Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce
CHARLES SAWYER, *Secretary*
U. S. Patent Office
JOHN A. MARZALL, *Commissioner*

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1947

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OF THE

UNITED STATES PATENT OFFICE

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CONTENTS

Page
DECISIONS IN PATENT AND TRADE-MARK CASES, March 4, 11, 18, 25 — 5, 141, 287, 443
TRADE-MARKS, PUBLISHED AND REGISTERED, March 4, 11, 18, 25 — 11, 147, 293, 463
REISSUES, March 4, 11, 18, 25 — 37, 185, 329, 503
PLANT PATENTS, March 4, 11, 18, 25 — 37, —, —, 504
PATENTS, March 4, 11, 18, 25 — 38, 186, 330, 505
DESIGNS, March 4, 11, 18, 25 — 132, 278, 429, 580

ANNOUNCEMENTS

Page
APPLICATIONS—Condition of pending — 4, 140, 286, 442
BULLETIN OF DECISIONS ON TRADE-MARKS — 459
NOTICES:
  Adverse decisions in interference — 446
  Cancellation notices — 8, 144, 289, 446
  Classification of inventions, Changes in, *Order No. 5207* — 447
  Disclaimers:
    Calva, Jose B — 144
    Davis, Charles C — 144
    Evans, Ralph L., et al — 8
    Hunt, George R — 447
    Keuffel, Adolf W., et al — 289
    Lindsay, Charles H., et al — 289
    Palmquist, Philip V — 8
    Rohrig, Ignatius A., et al — 8
    Stern Brothers — 144
    Wahlstrand, Harold A — 289
    Walker, Cranford P — 144
    Wilson, Harold M — 144
    Wolfram, John N — 144
    Woods, Arthur P — 144
  Effective dates of declassified printed matter — 144
  Notice of filing of application claiming matter disclosed but not claimed in patent, *Order No. 5200* — 7
  Patents, List of adjudicated — 289
  Order of examination where division of application has been required, *Order No. 5208* — 8
  Reciprocity with Norway, *Public Law 690* — 290
  Reciprocity with Switzerland, *Public Law 690* — 290
PATENT SUITS — 143, 288
REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE — 8, 144, 290, 456

TABLE OF CASES REPORTED

Page
* Ivins', J. S., Son, Inc., *v.* United Biscuit Co. of America — 141
* Ivins', J. S., Son, Inc., *v.* Lamont, Corliss & Company — 443
* Luxenberger et al., In re — 444
* Roddenbery Co., W. B., *v.* Kalich — 287
* Sheaffer, W. A., Pen Company, In re — 142
* Waite, In re — 5

[Decisions of the United States Court of Customs and Patent Appeals are indicated by an asterisk (*).]

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PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

Contents

Page
Issue of March 4, 1947 3
Patents Expiring 3
Applications Under Examination 4
Decisions of the U. S. Courts
In re Waite 5
Notices
Order No. 5200 7
Disclaimers 8
Commissioner's Order No. 5208 8
Notices of Cancellation 8
Register of Patents Available for Licensing or Sale 8
Trade-Marks Published (125 Applications) 11
Trade-Mark Registrations Granted 27
Trade-Mark Registrations Renewed 34
Reissues 37
Plant Patents 37
Patents Granted 38
Designs 132

March 4, 1947

Trade-Marks	113—No.	427,934	to No.	428,046,	inclusive
T. M. Renewals	53				
Reissues	2—No.	22,848	to No.	22,849,	inclusive
Plant Patents	2—No.	723	to No.	724,	inclusive
Patents	374—No.	2,416,665	to No.	2,417,038,	inclusive
Designs	18—No.	146,425	to No.	146,442,	inclusive
Total	562				

Patents expiring: Patent Numbers 1,748,937 to 1,749,748, inclusive, issued March 4, 1930, expire March 4, 1947

Condition of Applications Under Examination at Close of Business February 14, 1947

(Total number of applications awaiting action, excluding Trade-Mark Division, 139,107; Trade-Mark Division, 12,554. Oldest new case, June 8, 1945; oldest amended, June 11, 1945.)
(The dates given are 1945 except where † indicates 1946.)

Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action		No. of applications awaiting action
	New	Amended	
1. GOLDBERG, A. J., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	Aug. 2	Oct. 6	2757
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	Oct. 8	Oct. 15	3247
3. SCHIMMEL, J., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	Sept. 7	Oct. 1	2049
4. BISHOP, WALTER O., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Package and Article Carriers; Pneumatic Dispatch; Store Service; Mining, Quarrying, and Ice Harvesting.	Nov. 13	Aug. 24	2692
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	June 29	July 2	4194
6. GENIESSE, E. W., Carbon Chemistry (part)	Dec. 29	†Jan. 19	1864
7. HANLIN, GEORGE, Optics, Photography	†Feb. 28	†Jan. 12	1904
8. IMUS, A. E., Furniture; Kitchen and Table Articles; Racks and Cabinets	Sept. 18	Sept. 21	3541
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	Aug. 31	July 28	2216
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Modulators.	Nov. 13	Nov. 14	1454
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	†May 20	†May 28	770
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	Oct. 2	Oct. 13	2650
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	June 29	Aug. 2	2202
14. FREEHOF, H. B., Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	Nov. 21	Dec. 10	1498
15. HENKIN, B., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Heterocyclic Compounds (part); Plastics.	†Mar. 10	†Jan. 1	1251
16. LOVEWELL, N. N., Telegraphy; Telephony	†Jan. 11	Dec. 7	1250
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Sept. 21	Sept. 1	1211
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	July 31	July 25	1935
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Dec. 4	Dec. 22	1729
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	Sept. 15	Aug. 28	2108
21. THOMPSON, T. J., Textiles	†Mar. 18	†May 14	870
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Nov. 13	Nov. 2	1944
23. LEWIS, J. B., Cash Registers; Calculators (part)	Dec. 1	Sept. 8	244
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	June 19	July 1	1462
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Sept. 10	Oct. 15	1610
26. YOUNG, R. R., Electricity—Generation and Motive Power	Oct. 15	Oct. 23	2062
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	Nov. 13	Nov. 22	2243
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons.	Aug. 31	July 9	1568
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	Sept. 28	Oct. 24	2411
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	Nov. 13	Nov. 7	2373
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	Aug. 14	Aug. 10	765
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Nov. 14	Nov. 16	2307
33. KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	Oct. 10	Oct. 10	3326
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators	Nov. 8	Nov. 26	1308
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Oct. 20	Dec. 7	2174
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	Aug. 10	July 4	1829
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Nov. 14	Dec. 21	1479
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part); Rubber (part) Ornamentation	Nov. 16	Dec. 8	1420
39. WHITNEY, F. L., Fluid-Pressure Regulators; Valves; Water Distribution	Aug. 13	July 31	2513
40. DRUMMOND, E. J., Receptacles (part); Packages	Nov. 8	Nov. 20	2795
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Nov. 8	Oct. 29	869
42. MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters	†Mar. 5	†Apr. 4	988
43. STONE, I. G., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	Dec. 13	Nov. 5	1087
44. HARVEY, L. P., Refrigeration; Preserving	June 8	Aug. 6	1343
45. LISANN, I., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Spring, Weight and Horsepower Motors.	Sept. 24	Sept. 20	2453
46. MUSHAKE, W. I., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Dec. 3	Dec. 12	1627
47. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	Dec. 15	Nov. 15	2758
48. BERNSTEIN S., Electricity, General Applications; Electric Igniters	Aug. 11	Aug. 11	2034
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Nov. 14	Oct. 19	1525
50. LEVIN, SAMUEL, Synthetic Resins	†Jan. 17	†Jan. 17	2423
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae).	Oct. 3	Sept. 27	2229
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	Nov. 30	Nov. 5	3209
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	June 27	June 11	3961
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	Oct. 10	Oct. 9	2113
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	Sept. 14	Oct. 26	1845
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	Nov. 28	Nov. 21	1455
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	July 27	Sept. 4	2949
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	†Feb. 1	†Feb. 7	1385
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part)	Sept. 5	Sept. 12	2085
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	Sept. 19	Dec. 3	1878
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Marine Propulsion, Boats, Buoys and Ships.	Sept. 29	Oct. 12	2562
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	July 20	July 26	3962
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	Nov. 1	Oct. 19	1990
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	July 9	July 15	1017
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	Sept. 6	Sept. 18	2870
TRADE-MARKS: RICHMOND, F. A	†Mar. 21	†Aug. 29	12554
DESIGNS: KALUPY, H. H	†Jan. 17	†Oct. 11	7845

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Accles & Shelvoke Limited, Aston, Birmingham, England. Pistols. Serial No. 491,147; Mar. 4. Class 9.

Ace Company (Not Inc), The: *See*—
Campbell, Donald E.

Albright, William E., doing business as Bubalot Company, Chicago, Ill. Toy bubble kits. Serial No. 494,476; Mar. 4. Class 22.

Allied Shoe Machinery Corporation, Haverhill, Mass. Shoe sole-attaching cement. Serial No. 510,638; Mar. 4. Class 5.

American Beauty Aids Mfg. Co. Inc., New York, N. Y. Non-electric hair curlers. Serial No. 488,559; Mar. 4. Class 40.

American Writing Paper Corporation, Holyoke, Mass. Writing and printing paper. Serial No. 503,964; Mar. 4. Class 37.

Antoine de Paris, Inc., New York, N. Y. Toilet soap. Serial No. 502,178; Mar. 4. Class 4.

Auto Arc-Weld Manufacturing Co., The, Cleveland, Ohio. Automatic arc welding heads and fixtures. Serial No. 489,930; Mar. 4. Class 21.

Beggs & Cobb, Incorporated, Boston, Mass. Upper leather. Serial No. 495,948; Mar. 4. Class 1.

Beggs & Cobb, Incorporated, Boston, Mass. Upper leather. Serial No. 496,127; Mar. 4. Class 1.

Beggs & Cobb, Incorporated, Boston, Mass. Upper leather. Serial No. 497,445; Mar. 4. Class 1.

Beggs & Cobb, Incorporated, Boston, Mass. Upper leather. Serial No. 500,204; Mar. 4. Class 1.

Bennett-Ray Canning Company, Pharr, Tex. Canned tomatoes, grapefruit juice, a blend of grapefruit and orange juices, etc. Serial No. 488,988; Mar. 4. Class 46.

Blue Bell, Inc., Greensboro, N. C. Men's, women's, boys', and girls' overalls, jumpers, work jackets, etc. Serial No. 472,413; Mar. 4. Class 39.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Rubber cement. Serial No. 514,797; Mar. 4. Class 5.

Bubalot Company: *See*—
Albright, William E.

Bush, James P., doing business as Bush & Long Potato Chip Co., El Paso, Tex. Corn chips. Serial No. 502,620; Mar. 4. Class 46.

Bush & Long Potato Chip Co.: *See*—
Bush, James P.

C-B Tool Company, Lancaster, Pa. Germicidal lamps. Serial No. 494,952; Mar. 4. Class 44.

Calder, Caesar A., doing business as Time Savers, Montclair, N. J. Devices for the laundry. Serial No. 489,791; Mar. 4. Class 24.

California Electronics Co., Los Angeles, Calif. Electric soldering irons. Serial No. 490,996; Mar. 4. Class 21.

Campbell, Donald E., doing business as The Ace Company (Not Inc), Ocala, Fla. Portable hand-manipulated electric blower. Serial No. 487,500; Mar. 4. Class 21.

Capitol Products Company, Baltimore, Md. Mops. Serial No. 501,955; Mar. 4. Class 29.

Carpenter Paper Company, Omaha, Nebr. Correspondence envelopes. Serial No. 484,666; Mar. 4. Class 37.

Carr Manufacturing Company, San Antonio, Tex. Ladies' and girls' sportswear. Serial No. 507,106; Mar. 4. Class 39.

Carter, Jane, Inc., New York, N. Y. Blouses for girls. Serial No. 501,713; Mar. 4. Class 39.

Century Sportswear Co., Inc., Boston, Mass. Women's, misses', and junior skirts, shirts, shorts, etc. Serial No. 507,371; Mar. 4. Class 39.

Chrisman, E. L., Company: *See*—
Chrisman, Ernest L.

Chrisman, Ernest L., doing business as E. L. Chrisman Company, Los Angeles, Calif. Equipment for dry cleaning and commercial laundry. Serial No. 490,285; Mar. 4. Class 24.

Cohen Bros. Dress Corp., New York, N. Y. Womens' and misses' dresses. Serial No. 507,298; Mar. 4. Class 39.

Columbia Coat Company, Boston, Mass. Men's overcoats and top coats. Serial No. 490,290; Mar. 4. Class 39.

Columbia Tool Steel Company, Chicago Heights, Ill. Tool steel. Serial No. 502,689; Mar. 4. Class 14.

Compagnie des Montres Ardath, Dreyfuss & Cie (Ardath Watch Co. Dreyfuss & Co.), Geneva, Switzerland. Watches and watch movements. Serial No. 481,101; Mar. 4. Class 27.

Comptone Company, Ltd., New York, N. Y. Sunglasses, eyeglasses, spectacles, and parts thereof. Serial No. 504,332; Mar. 4. Class 26.

Continental Chemical Company, Sacramento, Calif. Soap. Serial No. 501,442; Mar. 4. Class 4.

Coro, Inc., New York, N. Y. Necklaces, bracelets, finger rings, etc. Serial No. 494,035; Mar. 4. Class 28.

Curran Cushion & Textile Co., Downers Grove, Ill. Seats and back rests of the sporting furniture type. Serial No. 490,294; Mar. 4. Class 32.

Danbury Rubber Co., Inc., Danbury, Conn. Shoe soles and heels. Serial No. 505,338; Mar. 4. Class 39.

Davis, Ronald G., doing business as The Spartan Company. Sponge mops. Serial No. 504,161; Mar. 4. Class 29.

Dinges, Wilton C., doing business as The Emeco Co., Baltimore, Md. Household chairs, breakfast sets, etc. Serial No. 507,112; Mar. 4. Class 32.

Dohrmann Hotel Supply Co., San Francisco, Calif. Janitorial supplies. Serial No. 500,745; Mar. 4. Class 29.

Donahue Manufacturing Co.: *See*—
Donahue, Thomas H.

Donahue, Thomas H., doing business as Donahue Manufacturing Co., Los Angeles, Calif. Insecticide. Serial No. 504,478; Mar. 4. Class 6.

Dorn, R. J., Company, New Orleans, La. Corrugated asbestos sheets, asbestos cement flat sheets, and asbestos shingles. Serial No. 495,597; Mar. 4. Class 12.

Durex Products, Incorporated, New York, N. Y. Applicators for placing measured dosages of medication in various body cavities. Serial No. 485,990; Mar. 4. Class 44.

Elmhurst Flower Growers, Inc., Elmhurst, Ill. Natural flowers. Serial Nos. 498,343–4; Mar. 4. Class 1.

Emeco Co., The: *See*—
Dinges, Wilton C.

Even-Pul Foundations, Inc., New York, N. Y. Brassières and bandeaux. Serial No. 494,965; Mar. 4. Class 39.

Folker Fabrics Corp., New York, N. Y. Ladies', misses', and girls' dresses, blouses, playsuits, etc. Serial No. 507,249; Mar. 4. Class 39.

Foster, Charles H., New York, N. Y. Optical goods. Serial No. 505,640; Mar. 4. Class 26.

Gardel Industries, New York, N. Y. Dolls. Serial No. 494,834; Mar. 4. Class 22.

General Aniline & Film Corporation, New York and Binghamton, N. Y. Photographic cameras. Serial No. 495,663; Mar. 4. Class 26.

General Aniline & Film Corporation, New York and Binghamton, N. Y. Sensitized photographic film. Serial No. 505,574; Mar. 4. Class 26.

General Gummed Products, Inc., New York and Richmond Hill, Long Island, N. Y. Gummed paper tape and gummed cloth tape. Serial No. 491,641; Mar. 4. Class 5.

Gibco Delta Pedigreed Seed Co.: *See*—
Gibson, T. A.

Gibco England Pedigreed Seed Co.: *See*—
Gibson, T. A.

Gibson, T. A., doing business as Gibco Delta Pedigreed Seed Co., England, Ark. Cotton planting seed. Serial No. 497,238; Mar. 4. Class 1.

Gibson, T. A., doing business as Gibco England Pedigreed Seed Co., England, Ark. Cotton planting seed. Serial No. 497,239; Mar. 4. Class 1.

Gift Wrappings, Inc., New York, N. Y. Fancy wrapping paper and felt wrapping paper. Serial No. 493,759; Mar. 4. Class 37.

Girdler Corporation, The, Louisville, Ky. Apparatus for producing high frequency electric currents, etc., and apparatus for utilizing such currents and fields. Serial No. 497,855; Mar. 4. Class 21.

Goldman, Wm. P., & Bros. Inc., New York, N. Y. Men's suits, sport coats, slacks, etc. Serial No. 506,357; Mar. 4. Class 39.

Goldstein, Walter, doing business as Zenith Optical Laboratory, New York, N. Y. Sunglasses. Serial No. 504,438; Mar. 4. Class 26.

Grad, David, Company, New York, N. Y. Costume jewelry. Serial No. 495,733; Mar. 4. Class 28.

Griffiths, Evelyn, Willaston, Wirral, England. Thermostatic apparatus. Serial No. 494,444; Mar. 4. Class 26.

Groves Shoe Co., Chicago, Ill. Shoes and slippers. Serial No. 503,364; Mar. 4. Class 39.

Gudebrod Bros. Silk Co., Incorporated: *See*—
Gudebrod Brothers Silk Company, Incorporated.

Gudebrod Brothers Silk Company, Incorporated, doing business as Gudebrod Bros. Silk Co., Incorporated, Philadelphia, Pa. Surgical sutures. Serial No. 494,674; Mar. 4. Class 44.

Haas-Miller Corporation, Philadelphia, Pa. Compound for general cleaning. Serial No. 501,573; Mar. 4. Class 4.

Hartford Rayon Corporation, The, Rocky Hill, Conn. Viscose rayon yarn. Serial No. 506,524; Mar. 4. Class 43.

Heribert, Herbert J., New York, N. Y. Printing ink and printing lacquer. Serial No. 496,139; Mar. 4. Class 11.

Hill-Behan Lumber Company, St. Louis, Mo. Roll roofing. Serial No. 475,849; Mar. 4. Class 12.

Howard Manufacturing Corporation, Council Bluffs, Iowa. Skate wheels. Serial No. 496,966; Mar. 4. Class 22.

Jacobus', A. G., Sons, Inc., Verona, N. J. Household brushes. Serial Nos. 505,417–18; Mar. 4. Class 29.

Jacoby, Meyer, New York, N. Y. Doll wigs. Serial No. 498,144; Mar. 4. Class 22.

Kellogg, P. P., & Co.: *See—*
United States Envelope Company.

Kerco Jewellery Limited, Montreal, Quebec, Canada. Jewelry and jewelry novelties. Serial No. 488,535; Mar. 4. Class 28.

Kinetic Chemicals, Inc., Wilmington, Del. Trifluoromethane or fluoroform, being fluorinated hydrocarbons. Serial No. 509,346; Mar. 4. Class 6.

Kinetic Chemicals, Inc., Wilmington, Del. Carbontetrafluoride, being fluorinated hydrocarbons. Serial No. 509,347; Mar. 4. Class 6.

Kinetic Chemicals, Inc., Wilmington, Del. Trifluoromethane or fluoroform, being fluorinated hydrocarbons. Serial No. 509,348; Mar. 4. Class 6.

Kleinert, I. B., Rubber Company, New York, N. Y. Men's casual and play shoes. Serial No. 505,306; Mar. 4. Class 39.

L. and S. Packing Co., Inc., Long Island City, N. Y. Olive oil, bottled peppers, bottled pimentos, etc. Serial No. 501,745; Mar. 4. Class 46.

Lear Avia, Inc., Piqua, Ohio, now by change of name to Lear, Incorporated. Mechanical driving systems. Serial No. 472,328; Mar. 4. Class 23.

Lear, Incorporated: *See—*
Lear Avia, Inc.

Les Parfums Verchere (Parfums Jérome) Société à Responsabilitée Limitée, St. Honore, Paris, France. Perfumes, toilet waters, rouge, etc. Serial No. 502,046; Mar. 4. Class 6.

Levenson, Herbert, New York, N. Y. Men's, women's and children's one piece pajamas, two piece pajama suits, night shirts and nightgowns. Serial No. 494,088; Mar. 4. Class 39.

Lighter-Lite Products, Chicago, Ill. Electric extension cords. Serial No. 492,064; Mar. 4. Class 21.

Lopez, Raphael, doing business as Maison Raphael, Paris, France. Perfumes, toilet waters, rouge, etc. Serial No. 504,114; Mar. 4. Class 6.

Marel Undergarment, Inc., New York, N. Y. Nightgowns, slips, pajamas, etc. Serial No. 506,177; Mar. 4. Class 39.

Mason, Au & Magenheimer Conf. Mfg. Co., Brooklyn, N. Y. Candies. Serial Nos. 505,708–9; Mar. 4. Class 46.

Merrill Candy Company, Merrill, Wis. Bar candy. Serial No. 489,814; Mar. 4. Class 46.

Minnesota Valley Canning Company, Le Sueur, Minn. Canned peas and corn. Serial No. 512,516; Mar. 4. Class 46.

Miracle Adhesives Corporation, Nework, N. J. Adhesives for household and industrial uses, rubber products, starches, or glues. Serial No. 514,556; Mar. 4. Class 5.

New River Company, The, assignee: *See—*
White Oak Coal Company.

Newton, Chambers & Company Limited, Near Sheffield, England. Perfumed soaps, liquid soaps, medicated soaps, etc. Serial No. 501,000; Mar. 4. Class 4.

Oneida Ltd., Sherrill and Oneida, N. Y. Silverplated flat tableware. Serial No. 504,784; Mar. 4. Class 28.

Oneida Ltd., Sherrill and Oneida, N. Y. Silverplated flat tableware. Serial No. 505,938; Mar. 4. Class 28.

Pacific Mills, Boston, Mass., and New York, N. Y. Face and bath towels and face cloths. Serial No. 501,403; Mar. 4. Class 42.

Parfait, Incorporated, Chicago, Ill. Lipstick. Serial No. 505,067; Mar. 4. Class 6.

Parke, Davis & Company, Detroit, Mich. Vitamin preparation. Serial No. 504,508; Mar. 4. Class 6.

Parrott & Co., San Francisco, Calif. Canned fruits. Serial No. 497,194; Mar. 4. Class 46.

Petoskey Tool and Engineering Company, Petoskey, Mich. Toy sails for toy boats. Serial No. 511,573; Mar. 4. Class 22.

Precision Diamond Tool Co.: *See—*
Taeyaerts, Jan.

Precision Diamond Tool Company, assignee: *See—*
Taeyaerts, Jan.

Primate Cigar Co., Brooklyn, N. Y. Cigars. Serial No. 503,753; Mar. 4. Class 17.

Pycopé, Inc., Jersey City, N. J. Gum massaging attachments. Serial No. 496,981; Mar. 4. Class 44.

Raphael, Maison: *See—*
Raphael, Lopez.

Raytheon Manufacturing Company: *See—*
Submarine Signal Company.

Riley Brothers, Kansas City, Mo. Combined high chair and stroller. Serial No. 502,844; Mar. 4. Class 32.

Rubel, Jack, New York, N. Y. Fur coats, fur capes, fur scarfs, etc. Serial No. 486,277; Mar. 4. Class 39.

Ryan Distributing Corporation, Brookline, Mass. Flexible wavers and curlers not electrical. Serial No. 492,468; Mar. 4. Class 40.

Sawyer, A. Neil, doing business as A. Neil Sawyer Co., New York, N. Y. Magazine published periodically. Serial No. 492,741; Mar. 4. Class 38.

Sawyer, A. Neil, Co.: *See—*
Sawyer, A. Neil.

Sears, Roebuck and Co., Chicago, Ill. Stable brushes. Serial No. 479,532; Mar. 4. Class 29.

Sekine, I., Company, Inc., New York, N. Y. Toothbrushes. Serial No. 501,014; Mar. 4. Class 29.

Sentinel Radio Corporation, Evanston, Ill. Radio receiving sets, intercommunicating radio apparatus, radio-phonograph combinations, etc. Serial No. 486,726; Mar. 4. Class 21.

Shepherd, Imogene, Ltd., Chicago, Ill. Nail oil. Serial No. 503,833; Mar. 4. Class 6.

Sossi, John, doing business as Sossi Mfg. Co., Bayside, Long Island, N. Y. Window locks. Serial No. 503,175; Mar. 4. Class 25.

Sossi Mfg. Co.: *See—*
Sossi, John.

Spartan Company, The: *See—*
Davis, Ronald G.

Standard Laboratories, Inc., assignor to Standard Laboratories, Inc., New York, N. Y. Hair dressings. Serial No. 487,871; Mar. 4. Class 6.

Star Ring Manufacturing Company, Buffalo, N. Y. Finger rings. Serial No. 476,583; Mar. 4. Class 28.

Steele, H., y Cia., S. A., Mexico City, Mexico. Jewelry for personal wear, not including watches; and sterling silver and silver-plated flatware and hollow ware. Serial No. 503,613; Mar. 4. Class 28.

Submarine Signal Company, Boston, Mass., now by change of name Raytheon Manufacturing Company, assignor to Submarine Signal Company. Electronic control apparatus. Serial No. 486,439; Mar. 4. Class 21.

Superb Glove Company, The, Johnstown, N. Y. Ladies', men's, and children's gloves. Serial No. 506,140; Mar. 4. Class 39.

Taeyaerts, Jan, doing business as Precision Diamond Tool Co., assignor to Precision Diamond Tool Company, Chicago, Ill. Abrasives in the form of wheels, disks, belts, etc. Serial No. 460,010; Mar. 4. Class 4.

Tailored Silk Undergarment Co. Inc., New York, N. Y. Women's and misses' slips and nightgowns, dresses, etc. Serial No. 506,971; Mar. 4. Class 39.

Tavart Company, Ltd., Los Angeles, Calif. Overhead door mounting hardware. Serial No. 506,972; Mar. 4. Class 13.

Tex-Rite Products Co., Detroit, Mich. Fountain pens. Serial No. 502,348; Mar. 4. Class 37.

Time Savers: *See—*
Calder, Caesar A.

United States Envelope Company, doing business as P. P. Kellogg & Co., Springfield, Mass. Correspondence paper and envelopes. Serial No. 493,902; Mar. 4. Class 37.

Viking Yarn Mills, Inc., Philadelphia, Pa. Yarn. Serial No. 505,372; Mar. 4. Class 43.

Vivaudou, Jean, Co. Inc., New York, N. Y. Perfume and sachet in perfumed containers. Serial No. 511,714; Mar. 4. Class 6.

Viz, Inc., Wichita, Kans. Projecting apparatus for slides and strip film; motion picture film for projectors; etc. Serial No. 498,960; Mar. 4. Class 26.

Vogue Luggage Company, Chicago, Ill. Luggage, particularly suitcases. Serial No. 502,777; Mar. 4. Class 3.

Weissman, Beth, New York, N. Y. Electric lamps. Serial No. 501,426; Mar. 4. Class 21.

White Oak Coal Company, assignor to The New River Company, Mount Hope, W. Va. Coal. Serial No. 454,617; Mar. 4. Class 1.

White Oak Coal Company, assignor to The New River Company, Mount Hope, W. Va. Coal. Serial No. 454,750; Mar. 4. Class 1.

Wilson Jones Company, Chicago, Ill. Posting trays for sheets used in machine bookkeeping. Serial No. 495,707; Mar. 4. Class 32.

Windsor Wax Company, Inc., Hoboken, N. J. Floor wax. Serial No. 500,920; Mar. 4. Class 16.

Wolf, Jacques, & Co., Clifton, N. J. Mixture of sodium formaldehyde sulfoxylate and leucotrope W for white discharge on indigo dyed goods in textile processing. Serial No. 503,852; Mar. 4. Class 6.

Wolf, Jacques, & Co., Clifton, N. J. Sulphonated oil with solvents used as a scouring agent. Serial No. 503,853; Mar. 4. Class 6.

Wolf, Jacques, & Co., Clifton, N. J. Mixture of vinylite compounds and higher polyalcohols. Serial No. 503,854; Mar. 4. Class 6.

Zenith Optical Laboratory: *See—*
Goldstein, Walter.

LIST OF REGISTRANTS OF TRADE-MARKS

Akron Manufacturing Company, Chicago, Ill. Fountain pens. 427,979; Mar. 4; Serial No. 499,308; published Dec. 17, 1946. Class 37.

All-Best Specialties Corp., New York, N. Y. Blanket fasteners comprising metallic clamps, safety straps, and reins. 428,029; Mar. 4. Class 40.

American Glossite Co., Inc., Putnam, Conn. Hat braids—straw and synthetic. 427,982; Mar. 4; Serial No. 499,603; published Dec. 17, 1946. Class 40.

American Hardware Corporation, The: *See—*
Russell & Erwin Manufacturing Company.

Amolin Chemical Company, New York, to The Norwich Pharmacal Company, Norwich, N. Y. Toilet powder. 59,178; re-renewed Jan. 1, 1947. O. G. Mar. 4. Class 6.

Amusement Enterprises, Inc., New York, N. Y. Coin-controlled amusement apparatus. 427,999; Mar. 4; Serial No. 506,082; published Dec. 17, 1946. Class 22.

Anchor Hocking Glass Corporation: *See—*
Putman, Henry W.

Aptaker, Simon, Atlanta, Ga. Lead pencils. 427,995–7; Mar. 4; Serial Nos. 502,482–4; published Dec. 17, 1946. Class 37.

Associated Knitted Outerwear Mills, Inc., New York, N. Y. Men's, boys', and children's bathing suits; trunks; knitted outerwear. 427,981; Mar. 4; Serial No. 499,466; published Dec. 17, 1946. Class 39.

Associated Lace Corporation, New York, N. Y. Non-adhesive textile tapes, and passementerie. 427,984; Mar. 4; Serial No. 499,939; published Dec. 17, 1946. Class 40.

Associated Spring Corporation: *See—*
Barnes, Wallace, Company, The.

Autographic Register Company, Hoboken, N. J. Plain, lithographed, and printed paper strips, leaves, and sheets. 222,873; renewed Jan. 11, 1947. O. G. Mar. 4. Class 37.

Barnes, Wallace, Company, The, to Associated Spring Corporation, Bristol, Conn. Springs—flat, spiral and torsion. 214,966; renewed July 6, 1946. O. G. Mar. 4. Class 23.

Batterton Coffee Company, Inc., Birmingham, Ala. Coffee and tea. 222,236; renewed Dec. 28, 1946. O. G. Mar. 4. Class 46.

Bear Brand Hosiery Co.: *See—*
Paramount Knitting Co.

Becker, Rodger F., doing business as Mercator Manufacturing Company, Kalamazoo, Mich. Flashlights. 427,941; Mar. 4; Serial No. 487,299; published Dec. 17, 1946. Class 21.

Black Hills Jewelry Co.: *See—*
Landstrom, Ivan E.

Boham, Harry D., doing business as The Ohio Printing Company, Dayton, Ohio. Letterheads, envelopes, and forms. 224,087; renewed Feb. 15, 1947. O. G. Mar. 4. Class 37.

Bomber Bait Co., Gainesville, Tex. Artificial fish lures. 428,006; Mar. 4; Serial No. 507,882; published Dec. 17, 1946. Class 22.

Booth Fisheries Company, to Booth Fisheries Corporation, Chicago, Ill. Malt extract. 221,713; renewed Dec. 7, 1946. O. G. Mar. 4. Class 46.

Booth Fisheries Corporation: *See—*
Booth Fisheries Company.

Borg-Warner Corporation: *See—*
Detroit Vapor Stove Co., The.

Bowen Manufacturing Company, to William M. Bowen, doing business as the Bowen Manufacturing Company, Prairie City, Iowa. Corn or callus remedy. 221,682; renewed Dec. 7, 1946. O. G. Mar. 4. Class 6.

Bowen, William M.: *See*
Bowen Manufacturing Company.

Braiding and Packing Works of America, Inc.: *See—*
Eureka Packing Company, The.

Brooks, Al R., Los Angeles, Calif. Crutches. 428,007; Mar. 4; Serial No. 508,026; published Dec. 17, 1946. Class 44.

Browne, Stewart R., Mfg. Co. Inc., New York, N. Y. Flashlight cases, extension lights, plugs, and sockets. 427,994; Mar. 4; Serial No. 501,307; published Dec. 17, 1946. Class 21.

Burgon & Ball Limited, Sheffield, England. Sheep-shears and other shears, sickles, hay-knives, etc. 57,407; re-renewed Nov. 13, 1946. O. G. Mar. 4. Class 23.

Burgon & Ball Limited, Sheffield, England. Sheep-shears, garden-shears, and butchers' knives. 57,528; re-renewed Nov. 13, 1946. O. G. Mar. 4. Class 23.

Cannon Shoe Company, Baltimore, Md. Shoes. 427,970–1; Mar. 4; Serial Nos. 498,883–4; published Dec. 17, 1946. Class 39.

Carolina Industrial Plastics Corporation, Mount Airy, N. C. Plastic coated cordage. 427,998; Mar. 4; Serial No. 505,333; published Dec. 17, 1946. Class 7.

Chop-N-Bloc Kit Company, Kansas City, Kans. Cutlery cabinets. 428,024; Mar. 4. Class 32.

Climax Publishing Corp., to Street & Smith Publications, Inc., New York, N. Y. Monthly magazine. 215,752; renewed July 27, 1946. O. G. Mar. 4. Class 38.

Cocanower, Clair D., Phoenix, Ariz. Playing cards. 428,003; Mar. 4; Serial No. 506,566; published Dec. 17, 1946. Class 22.

Coralite Dental Products Company, Chicago, Ill. Dental materials. 428,014; Mar. 4; Serial No. 511,599; published Dec. 17, 1946. Class 44.

Cox, John T., Topanga, Calif. Small toy boats. 428,034; Mar. 4. Class 22.

Daumit, Kay, Inc., Chicago, Ill. Cream shampoo preparations. 428,046; Mar. 4. Class 6.

Davis, David: *See—*
Pal Products Co. Inc.

Davis, Ronald G., doing business as The Spartan Company, Minneapolis, Minn. Vaporizers. 427,937; Mar. 4; Serial No. 481,525; published Dec. 18, 1945. Class 44.

Decro Products Company, The, Milwaukie, Oreg. Decorative material. 427,975; Mar. 4; Serial No. 499,211; published Nov. 19, 1946. Class 50.

Dee Dee Tex Company: *See—*
Purex Products Incorporated.

Denean, Harry J., Monterey Park, Calif. Wheeled canes for the blind. 427,942; Mar. 4; Serial No. 487,999; published Dec. 17, 1946. Class 41.

Desert Seed Co., El Centro, Calif. Garden and field seed. 427,936; Mar. 4; Serial No. 480,012; published Dec. 17, 1946. Class 1.

Detroit Vapor Stove Co., The, Detroit, Mich., to Borg-Warner Corporation, Chicago, Ill. Thermostatic heat controls. 223,305; renewed Feb. 1, 1947. O. G. Mar. 4. Class 26.

Deutschmann, Tobe, Corporation, Canton, Mass. Electrical capacitors. 427,948; Mar. 4; Serial No. 492,551; published Dec. 17, 1946. Class 21.

Dobeckmun Company, The, Cleveland, Ohio. Bags of Cellophane, paper, or other sheet materials. 428,008; Mar. 4; Serial No. 508,580; published Dec. 17, 1946. Class 2.

Douglas, H. A., M'f'g. Co., Bronson, Mich. Electric connectors, electric terminals, electric connecting plugs, etc. 427,940; Mar. 4; Serial No. 486,987; published Dec. 17, 1946. Class 21.

Dudley Paper Company, The, Lansing, Mich. Toilet paper. 220,052; renewed Dec. 21, 1946. O. G. Mar. 4. Class 37.

Duro-Test Corporation, North Bergen, N. J., and elsewhere. Fluorescent lamps and fluorescent lamp fixtures. 427,990; Mar. 4; Serial No. 500,971; published Dec. 17, 1946. Class 21.

Eckhart Manufacturing Company, Roselle Park, N. J. Electric motor driven domestic oil burners. 428,036; Mar. 4. Class 34.

Efengee Electrical Supply Company, Chicago, Ill. Hand manipulable electrically driven drills. 427,992; Mar. 4; Serial No. 501,246; published Dec. 17, 1946. Class 21.

Etablissements Rocca, Tassy & De Roux, Marseille, France. Refined coconut oil. 215,811; renewed July 27, 1946. O. G. Mar. 4. Class 46.

Eureka Packing Company, The, Camden, N. J., to Braiding and Packing Works, of America, Inc., Brooklyn, N. Y. Packing for steam or other engines and machinery. 58,947; re-renewed Dec. 25, 1946. O. G. Mar. 4. Class 35.

Evans, John R., & Company, Camden, N. J. Leather. 427,991; Mar. 4; Serial No. 501,175; published Dec. 17, 1946. Class 1.

Eximport Company of America, New York, N. Y. Strings for musical instruments. 427,976; Mar. 4; Serial No. 499,221; published Nov. 19, 1946. Class 36.

Fairchild, E. E., Corporation, Rochester, N. Y. Playing cards. 428,013; Mar. 4; Serial No. 511,205; published Dec. 17, 1946. Class 22.

Federal Press Company, Elkhart, Ind. Power presses. 222,765; renewed Jan. 11, 1947. O. G. Mar. 4. Class 23.

Fischer, Albert C., doing business as Servicised Products Company, Chicago, Ill. Bird houses; rubber kneeling pads, and tree protectors. 427,934; Mar. 4; Serial No. 459,927; published Dec. 3, 1946. Class 50.

Fleer, Frank H., Corporation, Philadelphia, Pa. Chewing gum. 222,935; renewed Jan. 11, 1947. O. G. Mar. 4. Class 46.

Foldene, Inc., Cleveland, Ohio. Catamenial receptacle. 428,004; Mar. 4; Serial No. 506,589; published Dec. 17, 1946. Class 44.

Frank Flour & Feed Mill: *See—*
Frank, William.

Frank, Lawrence: *See—*
Frank, William.

Frank, William, doing business as Jefferson Flour & Feed Mill, to Lawrence Frank, doing business as Frank Flour & Feed Mill, Jefferson, Wis. Poultry feed. 216,945; renewed Aug. 24, 1946. O. G. Mar. 4. Class 46.

French Saxon China Company, The, Sebring, Ohio. Porcelain dinnerware. 428,026; Mar. 4. Class 30.

Fuse Indicator Corporation, Washington, D. C. Illuminated switch plates. 428,045; Mar. 4. Class 21.

Garry Engineering Laboratories, Buffalo, N. Y. Preparation to be used as an additive. 428,044; Mar. 4. Class 6.

Gaylord Products, Incorporated, Chicago, Ill. Bobby pins and hairpins. 427,943; Mar. 4; Serial No. 490,532; published Dec. 17, 1946. Class 40.

Gem-Dandy, Inc., Madison, N. C. Garters, suspenders, garment belts, etc. 427,964; Mar. 4; Serial No. 498,003; published Dec. 17, 1946. Class 39.

General Export & Import Co.: *See*—
Lamberti, Enrico.

General Plastics Company: *See*—
Pawlcyn, Stephen.

Gleaner Harvester Corporation: *See*—
Gleaner Manufacturing Co., The.

Gleaner Manufacturing Co., The, to Gleaner Harvester Corporation, Independence, Mo. Combined harvester, thresher, and separator. 222,924; renewed Jan. 11, 1947. O. G. Mar. 4. Class 23.

Gold Seal Importers, Inc., New York, N. Y. Simulated leather. 427,963; Mar. 4; Serial No. 497,709; published Dec. 10, 1946. Class 50.

Gorton Coy, Inc., Elmira, N. Y. Electrical appliances. 428,025; Mar. 4. Class 21.

Gotham Record Corp., New York, N. Y. Mechanically grooved phonograph records. 427,986; Mar. 4; Serial No. 500,078; published Dec. 17, 1946. Class 36.

Graybar Electric Company, Inc., New York, N. Y. Electric flatirons and electric vacuum cleaners. 223,950; renewed Feb. 15, 1947. O. G. Mar. 4. Class 21.

Gretsch, Fred, Manufacturing Co., The, Brooklyn, N. Y. Violins, guitars, banjos, etc. 427,938; Mar. 4; Serial No. 482,531; published Dec. 3, 1946. Class 36.

Hart-Albin Company, Billings, Mont. Men's and boys' suits, overcoats, sweaters, etc. 223,847; renewed Feb. 15, 1947. O. G. Mar. 4. Class 39.

Havatampa Cigar Company: *See*—
Sanchez & Haya Co.

Heckethorn Manufacturing & Supply Co., Littleton, Colo. Diecasting metals. 427,977; Mar. 4; Serial No. 499,227; published Dec. 17, 1946. Class 14.

Heim, Joseph, Lynbrook, N. Y. Horse race game. 427,969; Mar. 4; Serial No. 498,842; published Dec. 17, 1946. Class 22.

Hill, C. V., & Company, Inc.: *See*—
Murphy, Jere J.

Hirsch, Albert W. H., Tampa, Fla. Word game. 427,950; Mar. 4; Serial No. 493,267; published Dec. 17, 1946. Class 22.

Hodge, T. Barry, Chicago, Ill. Children's playtoys. 427,954; Mar. 4; Serial No. 494,606; published Dec. 17, 1946. Class 22.

Hohner, M., Firm of, to M. Hohner, Inc., New York, N. Y. Mouth-harmonicas. 59,700; re-renewed Jan. 15, 1947. O. G. Mar. 4. Class 36.

Hohner, M., Inc.: *See*—
Hohner, M., Firm of.

Hollingshead, R. M., Co., The, to R. M. Hollingshead Corporation, Camden, N. J. Cleaning and polishing materials. 222,617; renewed Jan. 4, 1947. O. G. Mar. 4. Class 4.

Hollingshead, R. M., Corporation: *See*—
Hollingshead, R. M., Co., The.

Howard Manufacturing Corporation, Council Bluffs, Iowa. Skate wheels. 427,960; Mar. 4; Serial No. 496,963; published Dec. 17, 1946. Class 22.

Huron Gray Iron Foundry Company, Ypsilanti, Mich. Gray iron castings. 427,947; Mar. 4; Serial No. 492,498; published Dec. 17, 1946. Class 14.

I. & M. Co., Brooklyn, N. Y. Crinoline skirts. 427,955; Mar. 4; Serial No. 494,683; published Dec. 17, 1946. Class 39.

Ingraham, E., Company, The, Bristol, Conn. Clocks and watches. 223,255–6; renewed Jan. 25, 1947. O. G. Mar. 4. Class 27.

International Nickel Company, Inc., The, New York, N. Y. Welding rods. 427,959; Mar. 4; Serial No. 495,606; published Dec. 17, 1946. Class 14.

Interstate Aircraft and Engineering Corporation, El Segundo, Calif. Electric vacuum cleaners. 428,035; Mar. 4. Class 21.

Irving, H. A.: *See*—
Sea Pride Canning Co.

Jackman Cigar Mfg. Co., Detroit, Mich. Cigars. 427,953; Mar. 4; Serial No. 494,403; published Dec. 17, 1946. Class 17.

Jakku, E. A., Hood River, Oreg. Dolls. 428,005; Mar. 4; Serial No. 507,586; published Dec. 17, 1946. Class 22.

James Industries, Inc.: *See*—
James, Richard T.

James, Richard T., Brookline, assignor to James Industries, Inc., Germantown, Philadelphia, Pa. Spring toys. 427,951; Mar. 4; Serial No. 494,073; published Dec. 17, 1946. Class 22.

Jefferson Flour & Feed Mill: *See*—
Frank, William.

Johnson & Johnson, New Brunswick, N. J. Soap. 58,463; re-renewed Dec. 18, 1946. O. G. Mar. 4. Class 4.

Johnson, M. M., Co.: *See*—
Johnson, Manander M.

Johnson, Manander M., to M. M. Johnson Co., Clay Center, Nebr. Incubators and brooders. 56,540; re-renewed Oct. 2, 1946. O. G. Mar. 4. Class 50.

Johnston Carbide Tool Co.: *See*—
Rothe, William H.

Kalix Mills, Inc., Cambridge, Mass. Artificial leather. 427,965; Mar. 4; Serial No. 498,228; published Dec. 17, 1946. Class 50.

Katz, Meyer, and Company: *See*—
Katz, Meyer M.

Katz, Meyer M., doing business as Meyer Katz and Company, Philadelphia, Pa. Perfume atomizers. 428,012; Mar. 4; Serial No. 510,020; published Dec. 17, 1946. Class 44.

Kennedy, Raymond A., doing business as Kow-Kicker Manufacturing Company, Sioux City, Iowa. Snares for holding animals. 428,020; Mar. 4. Class 23.

Kinney, Edward C., Chicago, Ill. Writing paper, envelopes, and blank gummed labels. 427,989; Mar. 4; Serial No. 500,804; published Dec. 17, 1946. Class 37.

Kinney Electrical Manufacturing Company, Chicago, Ill. Electric panelboards. 428,015; Mar. 4. Class 21.

Kleitman, Sol, New York, N. Y. Shoulder pads. 428,041; Mar. 4. Class 40.

Kohler Manufacturing Co., Baltimore, Md., to Kohler Manufacturing Co., Inc., New York, N. Y. Medical preparation. 56,140; re-renewed Aug. 28, 1946. O. G. Mar. 4. Class 6.

Kohler Manufacturing Co., Inc.: *See*—
Kohler Manufacturing Co.

Kow-Kicker Manufacturing Company: *See*—
Kennedy, Raymond A.

Lamberti, Enrico, doing business as General Export & Import Co., New York, N. Y. Hosiery. 427,961; Mar. 4; Serial No. 497,547; published Dec. 17, 1946. Class 39.

Larus & Brother Company: *See*—
Reed Tobacco Company.

Leather Specialty Company: *See*—
Leather Specialty Company, The.

Leather Specialty Company, The, to Leather Specialty Company, Cincinnati, Ohio. Brief cases, portfolios, and bags. 222,232; renewed Dec. 28, 1946. O. G. Mar. 4. Class 3.

Leichter, Emil, New York, N. Y. Watches. 428,019; Mar. 4. Class 27.

Linck, Paul A., New York, N. Y. Toy building block sets. 427,952; Mar. 4; Serial No. 494,091; published Dec. 17, 1946. Class 22.

Lindstrom, Ivan E., doing business as Black Hills Jewelry Co., Rapid City, S. Dak. Finger rings, brooches, and other articles of jewelry. 428,038; Mar. 4. Class 28.

Lloyd Products Company, The, Providence, R. I. Holders for fluorescent lamps. 427,946; Mar. 4; Serial No. 492,065; published Dec. 17, 1946. Class 21.

Long, Edward J., doing business as Universal Dictating Machine Co., New York, N. Y. Dictating machines. 427,958; Mar. 4; Serial No. 495,483; published Dec. 3, 1946. Class 36.

Lux Clock Manufacturing Company, The, Waterbury, Conn. Clocks, clock movements, clock controlled automatic timer mechanisms, etc. 428,021; Mar. 4. Class 27.

M. C. F. Manufacturing Co., Peabody, Mass. Leather substitute. 427,983; Mar. 4; Serial No. 499,723; published Nov. 19, 1946. Class 50.

Madison Wire Company, Inc., Buffalo, N. Y. Hairpins. 427,987; Mar. 4; Serial No. 500,100; published Dec. 17, 1946. Class 40.

Mason Products Company, Inc., Louisville, Ky. Aluminum ladders. 427,988; Mar. 4; Serial No. 500,341; published Dec. 17, 1946. Class 50.

Mattson, Edward D., assignee: *See*—
Pawlcyn, Stephen.

Maxson Food Systems, Inc.: *See*—
Maxson, W. L., Corporation, The.

Maxson, W. L., Corporation, The, assignor to Maxson Food Systems, Inc., New York, N. Y. Electric ovens. 427,939; Mar. 4; Serial No. 482,689; published Dec. 17, 1946. Class 21.

McKesson & Robbins, to McKesson & Robbins, Incorporated, New York, N. Y. Chemical preparations. 52,729; re-renewed May 15, 1946. O. G. Mar. 4. Class 6.

McKesson & Robbins, Incorporated: *See*—
McKesson & Robbins.

Mercator Manufacturing Company: *See*—
Becker, Rodger F.

Micromaster Company, The, Chicago, Ill. Phonograph needles. 427,978; Mar. 4; Serial No. 499,259; published Nov. 19, 1946. Class 36.

Minot, Hooper & Co., New York, N. Y. Cotton sheeting. 58,596; re-renewed Dec. 18, 1946. O. G. Mar. 4. Class 42.

Model Heating Company, Philadelphia, to Richmond Radiator Company, Uniontown, Pa. Hot-water heaters and steam-boilers. 59,939; re-renewed Jan. 22, 1947; O. G. Mar. 4. Class 34.

Monarch Typewriter Company, The, Syracuse, to Remington Rand Inc., Buffalo, N. Y. Type-writer carbon-paper and typewriter ribbons. 59,490; re-renewed Jan. 8, 1947. O. G. Mar. 4. Class 11.

Monarch Typewriter Company, The, Syracuse, to Remington Rand Inc., Buffalo, N. Y. Type-writer carbon-paper and typewriter ribbons. 60,168; re-renewed Jan. 29, 1947. O. G. Mar. 4. Class 11.

Morris, Philip, & Co., Ltd. Incorporated, New York, N. Y. Smoking tobacco. 428,033; Mar. 4. Class 32.

Mosler Safe Company, The, Hamilton, Ohio. Antirust preparation and lubricant. 223,707; renewed Feb. 8, 1947. O. G. Mar. 4. Class 15.

Motor Tool Manufacturing Co., Detroit, Mich. Lock mechanism. 428,040; Mar. 4. Class 25.

Munising Paper Company, The, Munising, Mich., and Chicago, Ill. Perfumed sheets of paper. 428,028; Mar. 4. Class 40.

Murphy, Jere J., Naugatuck, Conn., to C. V. Hill & Company, Inc., Trenton, N. J. Refrigerators and refrigerator display cases. 217,302; renewed Aug. 31, 1946. O. G. Mar. 4. Class 31.

National Fireproofing Corporation, Pittsburgh, Pa. Building tile. 427,935; Mar. 4; Serial No. 479,489; published Dec. 17, 1946. Class 12.

National Hair Net Co.: *See*—
Oliner, Saul.

Nevelk Company, The, Hallowell, Maine. Shoes. 427,966; Mar. 4; Serial No. 498,537; published Dec. 17, 1946. Class 39.

New Orleans Coffee Co. Lmtd., New Orleans, La., to Penick & Ford, Ltd., Incorporated, New York, N. Y. Mollasses, syrup and sorghum. 58,655; re-renewed Dec. 18, 1946. O. G. Mar. 4. Class 46.

New Orleans Coffee Co. Ltd., New Orleans, La., to Penick & Ford, Ltd., Incorporated, New York, N. Y. Pure honey. 219,703; renewed Oct. 19, 1946. O. G. Mar. 4. Class 46.

New Yorker Leather Goods Corp., New York, N. Y. Automobile kits. 427,962; Mar. 4; Serial No. 497,557; published Dec. 17, 1946. Class 50.

Norwich Pharmacal Company, The: *See*—
Amolin Chemical Company.

Nutrena Feed Mills, Inc., to Nutrena Mills, Inc., Kansas City, Kans. Grain product. 223,850; renewed Feb. 15, 1947. O. G. Mar. 4. Class 46.

Nutrena Mills, Inc.: *See*—
Nutrena Feed Mills, Inc.

Ohio Printing Company, The: *See*—
Boham, Harry D.

Oliner, Saul, doing business as National Hair Net Co., New York, N. Y. Hair nets. 428,017; Mar. 4. Class 39.

Pakula and Company, Chicago, Ill. Watch straps. 427,967; Mar. 4; Serial No. 498,792; published Dec. 17, 1946. Class 40.

Pal Products Co.: *See*—
Pal Products Co. Inc.

Pal Products Co. Inc., to David Davis, doing business as Pal Products Co., Brooklyn, N. Y. Polishing powder. 223,879; renewed Feb. 15, 1947. O. G. Mar. 4. Class 4.

Paramount Knitting Co., Chicago, to Bear Brand Hosiery Co., Kankakee and Chicago, Ill. Hosiery. 56,142; re-renewed Aug. 28, 1946. O. G. Mar. 4. Class 39.

Parsons Company, The, Detroit, Mich. Kitchen combination assembly. 428,031; Mar. 4. Class 50.

Pawlcyn, Stephen, doing business as General Plastics Company, assignor to Edward D. Mattson, Minneapolis, Minn. Toy spinning tops. 428,010; Mar. 4; Serial No. 509,594; published Dec. 17, 1946. Class 22.

Penick & Ford, Ltd.: *See*—
New Orleans Coffee Co. Ltd.

Penick & Ford, Ltd., Incorporated: *See*—
New Orleans Coffee Co. Lmtd.

Peppy Footwear, Inc., New York, N. Y. Shoes and slippers. 427,980; Mar. 4; Serial No. 499,345; published Dec. 17, 1946. Class 39.

Pollak, Henry, Inc., New York, N. Y. Straw and felt hat bodies. 427,972; Mar. 4; Serial No. 499,148; published Dec. 17, 1946. Class 39.

Pollak, Henry, Inc., New York, N. Y. Hat braids and millinery braids. 427,973–4; Mar. 4; Serial Nos. 499,149–50; published Dec. 17, 1946. Class 40.

Poultry Food Products, Inc., Chicago, Ill. Fish bait. 428,030; Mar. 4. Class 1.

Products Development & Manufacturing Co., The, Cleveland, Ohio. Fishing rods. 428,011; Mar. 4; Serial No. 509,950; published Dec. 17, 1946. Class 22.

Purex Products Incorporated, doing business as Dee Dee Tex Company, Baltimore, Md. Insecticide. 428,023; Mar. 4. Class 6.

Putman, Henry W., New York, N. Y., to Anchor Hocking Glass Corporation, Lancaster, Ohio. Glass jars. 223,649; renewed Feb. 8, 1947. O. G. Mar. 4. Class 33.

Rand Kardex Bureau, Inc., Tonawanda, to Remington Rand, Inc., Buffalo, N. Y. Blank and partially-printed cards and forms for indexes, indexes, index cards, etc. 227,108; renewed Apr. 26, 1947. O. G. Mar. 4. Class 37.

Rand Kardex Bureau, Inc., Tonawanda, to Remington Rand Inc., Buffalo, N. Y. Blank and partially-printed cards and forms for indexes, indexes, index cards, etc. 228,057; renewed May 24, 1947. O. G. Mar. 4. Class 37.

Rayon Processing Co. of R. I. Inc., The, Central Falls, R. I. Irregularly cut or comminuted textile fibres. 427,949; Mar. 4; Serial No. 492,662; published Dec. 17, 1946. Class 1.

Reed Tobacco Company, to Larus & Brother Company, Richmond, Va. Cigarettes. 216,202; renewed Aug. 3, 1946. O. G. Mar. 4. Class 17.

Remington Rand Inc.: *See*—
Monarch Typewriter Company, The.
Rand Kardex Bureau, Inc.
Remington Typewriter Company.

Remington Typewriter Company, Ilion and New York, to Remington Rand Inc., Buffalo, N. Y. Adding and accounting machines. 227,965; renewed May 17, 1947. O. G. Mar. 4. Class 26.

Rench, L., Oakland, Calif. Paper bags. 428,001; Mar. 4; Serial No. 506,391; published Dec. 17, 1946. Class 2.

Richmond Radiator Company: *See*—
Model Heating Company.

Rogers Imports Inc., New York, N. Y. Leather cigarette cases. 428,027; Mar. 4. Class 8.

Rothe, William H., doing business as Johnston Carbide Tool Co., Kearny, N. J. Hair pins, bobby pins, and curl pins. 427,985; Mar. 4; Serial No. 499,969; published Dec. 17, 1946. Class 40.

Royal Petroleum Corporation, New York, N. Y. Gasoline. 427,956; Mar. 4; Serial No. 495,335; published Dec. 3, 1946. Class 15.

Royal Petroleum Corporation, New York, N. Y. Fuel oil. 427,957; Mar. 4; Serial No. 495,336; published Dec. 3, 1946. Class 15.

Russell & Erwin Manufacturing Company, to The American Hardware Corporation, New Britain, Conn. Cylinder-locks, night-latches, and padlocks. 60,566; re-renewed Feb. 12, 1947. O. G. Mar. 4. Class 25.

S-B Manufacturing Company, Milwaukee, Wis. Stand for holding upright a Christmas tree. 427,944; Mar. 4; Serial No. 491,029; published Dec. 3, 1946. Class 50.

Sanchez & Haya Co., to Havatampa Cigar Company, Tampa, Fla. Cigars. 219,829; renewed Oct. 26, 1946. O. G. Mar. 4. Class 17.

Sanderson, Wootson L., Meridian, Miss. Artificial stone and brick. 428,002; Mar. 4; Serial No. 506,553; published Dec. 17, 1946. Class 12.

Schoenfeld, L. Kenneth, doing business as Washington Furniture Manufacturing Co., assignor to Washington Furniture Manufacturing Co., Seattle, Wash. Upholstered furniture. 428,032; Mar. 4. Class 32.

Sea Pride Canning Co., Monterey, to H. A. Irving, San Francisco, Calif. Sardines (packed in cans). 216,949; renewed Aug. 24, 1946. O. G. Mar. 4. Class 46.

Security Mills, Inc., New York, N. Y., to Security Mills, Inc., Newton, Mass., and New York, N. Y. Pure woolen goods. 220,396; renewed Nov. 9, 1946. O. G. Mar. 4. Class 42.

Selenium Corporation of America, Los Angeles, Calif. Selenium rectifiers. 428,018; Mar. 4. Class 21.

Servicised Products Company: *See*—
Fischer, Albert C.

Sheldon Electric Co., Inc., Irvington, N. J. Infra-red heat lamps, spotlight and floodlight lamps, etc. 428,042; Mar. 4. Class 21.

Shyvers, Kenneth C., Seattle, Wash. Coin controlled electrically operated phonographs. 428,037–8; Mar. 4. Class 21.

Simmons-Boardman Publishing Company, to Simmons Boardman Publishing Corporation, New York, N. Y. Magazine published periodically. 222,153; renewed Dec. 21, 1946. O. G. Mar. 4. Class 38.

Simmons Boardman Publishing Corporation: *See*—
Simmons-Boardman Publishing Company.

Sinclair, John, Limited, Newcastle-on-Tyne, England. Cigars, cigarettes, and smoking, chewing, and leaf tobacco. 214,106–7; renewed June 15, 1946. O. G. Mar. 4. Class 17.

Spartan Company, The: *See*—
Davis, Ronald G.

Street & Smith Publications, Inc.: *See*—
Climax Publishing Corp.

Swift, B. & P., Limited, Ealing and London, England. Electrical machines for cutting, grinding, mashing, etc., food. 427,968; Mar. 4; Serial No. 498,811; published Nov. 5, 1946. Class 21.

Szabo, A., Company: *See*—
Szabo, Arthur.

Szabo, Arthur, doing business as A. Szabo Company, New York, N. Y. Casting gold for partial dentures. 428,022; Mar. 4. Class 44.

Tech-Art, Inc., Milford, Ohio. Toys. 428,000; Mar. 4; Serial No. 506,274; published Dec. 17, 1946. Class 22.

Theme Hosiery Company, to Theme Hosiery Company, Inc., Los Angeles, Calif. Hosiery. 212,782; renewed May 11, 1946. O. G. Mar. 4. Class 39.

Theme Hosiery Company, Inc.: *See*—
  Theme Hosiery Company.

Union Fork & Hoe Company, The, Columbus, Ohio. Hand operated tools. 428,016 ; Mar. 4. Class 23.

Universal Dictating Machine Co.: *See*—
  Long, Edward J.

Vivandou, Jean, Co., Inc., New York, N. Y. Toilet soap. 428,043 ; Mar. 4. Class 4.

Washington Furniture Manufacturing Co.: *See*—
  Schoenfeld, L. Kenneth.

Weatherford, Fred, Washington, D. C. Game. 427,993 ; Mar. 4 ; Serial No. 501,297 ; published Dec. 17, 1946. Class 22.

Weil, Lewis P., Germantown, Pa. Sachets. 427,945 ; Mar. 4 ; Serial No. 491,297 ; published Dec. 17, 1946. Class 40.

Wiseman, Anna J., doing business as The Wiseman Company, Memphis, Tenn. Dolls. 428,009 ; Mar. 4 ; Serial No. 509,065 ; published Dec. 17, 1946. Class 22.

Wiseman Company, The: *See*—
  Wiseman, Anna J.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Fish bait. Poultry Food Products, Inc. 428,030 ; Mar. 4.

Leather. John R. Evans & Company. 427,991 ; Mar. 4 ; Serial No. 501,175 ; published Dec. 17, 1946.

Seed, Garden and field. Desert Seed Co. 427,936 ; Mar. 4 ; Serial No. 480,012 ; published Dec. 17, 1946.

Textile fibres, Irregularly cut or comminuted. Rayon Processing Co. of R. I. Inc. 427,949 ; Mar. 4 ; Serial No. 492,662 ; published Dec. 17, 1946.

CLASS 2

Bags of Cellophane, paper or other sheet materials. Dobeckmun Company. 428,008 ; Mar. 4 ; Serial No. 508,580 ; published Dec. 17, 1946.

Bags, Paper. L. Rench. 428,001 ; Mar. 4 ; Serial No. 506,391 ; published Dec. 17, 1946.

CLASS 3

Brief cases, portfolios, and bags. Leather Specialty Company. 222,232 ; renewed Dec. 28, 1946. O. G. Mar. 4.

CLASS 4

Cleaning and polishing materials. R. M. Hollingshead Co. 222,617 ; renewed Jan. 4, 1947. O. G. Mar. 4.

Powder, Polishing. Pal Products Co. Inc. 223,879 ; renewed Feb. 15, 1947. O. G. Mar. 4.

Soap. Johnson & Johnson. 58,463 ; re-renewed Dec. 18, 1946. O. G. Mar. 4.

Soap, Toilet. Jean Vivaudou Co., Inc. 428,043 ; Mar. 4.

CLASS 6

Chemical preparations. McKesson & Robbins. 52,729 ; re-renewed May 15, 1946. O. G. Mar. 4.

Corn or callus remedy. Bowen Manufacturing Company. 221,682 ; renewed Dec. 7, 1946. O. G. Mar. 4.

Insecticide. Purex Products Incorporated. 428,023 ; Mar. 4.

Medical preparation. Kohler Manufacturing Co. 56,140 ; re-renewed Aug. 28, 1946. O. G. Mar. 4.

Powder, Toilet. Amolin Chemical Company. 59,178 ; re-renewed Jan. 1, 1947. O. G. Mar. 4.

Preparation to be used as an additive. Garry Engineering Laboratories. 428,044 ; Mar. 4.

Shampoo preparations, Cream. Kay Daumit, Inc. 428,046 ; Mar. 4.

CLASS 7

Cordage, Plastic coated. Carolina Industrial Plastics Corporation. 427,998 ; Mar. 4 ; Serial No. 505,333 ; published Dec. 17, 1946.

CLASS 8

Cigarette cases, Leather. Rogers Imports Inc. 428,027 ; Mar. 4.

CLASS 11

Carbon-paper and type-writer ribbons, Type-writer. Monarch Typewriter Company. 59,490 ; re-renewed Jan. 8, 1947. O. G. Mar. 4.

Carbon-paper and type-writer ribbons, Type-writer. Monarch Typewriter Company. 60,168 ; re-renewed Jan. 29, 1947. O. G. Mar. 4.

CLASS 12

Stone and brick, Artificial. W. L. Sanderson. 428,002 ; Mar. 4 ; Serial No. 506,553 ; published Dec. 17, 1946.

Tile, Building. National Fireproofing Corporation. 427,935 ; Mar. 4 ; Serial No. 479,489 ; published Dec. 17, 1946.

CLASS 14

Castings, Gray iron. Huron Gray Iron Foundry Company. 427,947 ; Mar. 4 ; Serial No. 492,498 ; published Dec. 17, 1946.

Metals, Diecasting. Heckethorn Manufacturing & Supply Co. 427,977 ; Mar. 4 ; Serial No. 499,227 ; published Dec. 17, 1946.

Rods, Welding. International Nickel Company, Inc. 427,959 ; Mar. 4 ; Serial No. 495,606 ; published Dec. 17, 1946.

CLASS 15

Antirust preparation and lubricant. Mosler Safe Company. 223,707 ; renewed Feb. 8, 1947. O. G. Mar. 4.

Gasoline. Royal Petroleum Corporation. 427,956 ; Mar. 4 ; Serial No. 495,335 ; published Dec. 3, 1946.

Oil, Fuel. Royal Petroleum Corporation. 427,957 ; Mar. 4 ; Serial No. 495,336 ; published Dec. 3, 1946.

CLASS 17

Cigarettes. Reed Tobacco Company. 216,202 ; renewed Aug. 3, 1946. O. G. Mar. 4.

Cigars. Jackman Cigar Mfg. Co. 427,953 ; Mar. 4 ; Serial No. 494,403 ; published Dec. 17, 1946.

Cigars. Sanchez & Haya Co. 219,829 ; renewed Oct. 26, 1946. O. G. Mar. 4.

Cigars, cigarettes, and smoking, chewing and leaf tobacco. John Sinclair Limited. 214,106–7 ; renewed June 15, 1946. O. G. Mar. 4.

Tobacco, Smoking. Philip Morris & Co. Ltd. Incorporated. 428,033 ; Mar. 4.

CLASS 21

Electric connectors, electric terminals, electric connecting plugs, etc. H. A. Douglas M'f'g. Co. 427,940 ; Mar. 4 ; Serial No. 486,987 ; published Dec. 17, 1946.

Electric ovens. W. L. Maxson Corporation. 427,939 ; Mar. 4 ; Serial No. 482,689 ; published Dec. 17, 1946.

Electric vacuum cleaners. Interstate Aircraft and Engineering Corporation. 428,035 ; Mar. 4.

Electrical appliances. Gorton Coy, Inc. 428,025 ; Mar. 4.

Electrical capacitors. Tobe Deutschmann Corporation. 427,948 ; Mar. 4 ; Serial No. 492,551 ; published Dec. 17, 1946.

Electrically driven drills, Hand manipulable. Efengee Electrical Supply Company. 427,992 ; Mar. 4 ; Serial No. 501,246 ; published Dec. 17, 1946.

Flashlight cases, extension lights, plugs, and sockets. Stewart R. Browne Mfg. Co. Inc. 427,994 ; Mar. 4 ; Serial No. 501,307 ; published Dec. 17, 1946.

Flashlights. R. F. Becker. 427,941 ; Mar. 4 ; Serial No. 487,299 ; published Dec. 17, 1946.

Flatirons and electric vacuum cleaners, Electric. Graybar Electric Company, Inc. 223,950 ; renewed Feb. 15, 1947. O. G. Mar. 4.

Holders for fluorescent lamps. Lloyd Products Company. 427,946 ; Mar. 4 ; Serial No. 492,065 ; published Dec. 17, 1946.

Lamps and fluorescent lamp fixtures, Fluorescent. Duro-Test Corporation. 427,990 ; Mar. 4 ; Serial No. 500,971 ; published Dec. 17, 1946.

Lamps, spotlight and floodlight lamps, etc., Infra-red heat. Sheldon Electric Co., Inc. 428,042 ; Mar. 4.

Machines for cutting, grinding, mashing, etc., food, Electrical. B. & P. Swift Limited. 427,968 ; Mar. 4 ; Serial No. 498,811 ; published Nov. 5, 1946.

Panelboards, Electric. Kinney Electrical Manufacturing Company. 428,015 ; Mar. 4.

Phonographs, Coin controlled electrically operated. K. C. Shyvers. 428,037–38 ; Mar. 4.

Rectifiers, Selenium. Selenium Corporation of America. 428,018 ; Mar. 4.

Switch plates, Illuminated. Fuse Indicator Corporation. 428,045 ; Mar. 4.

CLASS 22

Amusement apparatus, Coin-controlled. Amusement Enterprises, Inc. 427,999 ; Mar. 4 ; Serial No. 506,082 ; published Dec. 17, 1946.

Dolls. E. A. Jakku. 428,005 ; Mar. 4 ; Serial No. 507,586 ; published Dec. 17, 1946.

Dolls. A. J. Wiseman. 428,009 ; Mar. 4 ; Serial No. 509,065 ; published Dec. 17, 1946.

Fish lures, Artificial. Bomber Bait Co. 428,006 ; Mar. 4 ; Serial No. 507,882 ; published Dec. 17, 1946.

Fishing rods. Products Development & Manufacturing Co. 428,011 ; Mar. 4 ; Serial No. 509,950 ; published Dec. 17, 1946.

Game. F. Weatherford. 427,993 ; Mar. 4 ; Serial No. 501,297 ; published Dec. 17, 1946.

Game, Horse race. J. Helm. 427,969 ; Mar. 4 ; Serial No. 498,842 ; published Dec. 17, 1946.

Game, Word. A. W. H. Hirsch. 427,950 ; Mar. 4 ; Serial No. 493,267 ; published Dec. 17, 1946.

Playtoys, Children's. T. B. Hodge. 427,954 ; Mar. 4 ; Serial No. 494,606 ; published Dec. 17, 1946.

Playing cards. C. D. Cocanower. 428,003 ; Mar. 4 ; Serial No. 506,566 ; published Dec. 17, 1946.

Playing cards. E. E. Fairchild Corporation. 428,013 ; Mar. 4 ; Serial No. 511,205 ; published Dec. 17, 1946.

Skate wheels. Howard Manufacturing Corporation. 427,960 ; Mar. 4 ; Serial No. 496,963 ; published Dec. 17, 1946.

Toy boats, Small. J. T. Cox. 428,034 ; Mar. 4.

Toy building block sets. P. A. Linck. 427,952 ; Mar. 4 ; Serial No. 494,091 ; published Dec. 17, 1946.

Toy spinning tops. S. Pawlcyn. 428,010 ; Mar. 4 ; Serial No. 509,594 ; published Dec. 17, 1946.

Toys. Tech-Art, Inc. 428,000 ; Mar. 4 ; Serial No. 506,274 ; published Dec. 17, 1946.

Toys, Spring. R. T. James. 427,951 ; Mar. 4 ; Serial No. 494,073 ; published Dec. 17, 1946.

CLASS 23

Harvester, thrasher, and separator, Combined. Gleaner Manufacturing Co. 222,924 ; renewed Jan. 11, 1947. O. G. Mar. 4.

Presses, Power. Federal Press Company. 222,765 ; renewed Jan. 11, 1947. O. G. Mar. 4.

Sheep-shears and other shears, sickles, hay-knives, etc. Burgon & Ball Limited. 57,407 ; re-renewed Nov. 13, 1946. O. G. Mar. 4.

Sheep-shears, garden-shears, and butchers' knives. Burgon & Ball Limited. 57,528 ; re-renewed Nov. 13, 1946. O. G. Mar. 4.

Snares for holding animals. R. A. Kennedy. 428,020 ; Mar. 4.

Springs, flat, spiral, and torsion. Wallace Barnes Company. 214,960 ; renewed July 6, 1946. O. G. Mar. 4.

Tools, Hand operated. Union Fork & Hoe Company. 428,016 ; Mar. 4.

CLASS 25

Cylinder-locks, night-latches, and padlocks. Russell & Erwin Manufacturing Company. 60,566 ; re-renewed Feb. 12, 1947. O. G. Mar. 4.

Lock mechanism. Motor Tool Manufacturing Co. 428,040 ; Mar. 4.

CLASS 26

Adding and accounting machines. Remington Typewriter Company. 227,965 ; renewed May 17, 1947. O. G. Mar. 4.

Thermostatic heat controls. Detroit Vapor Stove Co. 223,305 ; renewed Feb. 1, 1947. O. G. Mar. 4.

CLASS 27

Clocks and watches. E. Ingraham Company. 223,255–6 ; renewed Jan. 25, 1947. O. G. Mar. 4.

Clocks, clock movements, clock controlled automatic timer mechanisms, etc. Lux Clock Manufacturing Company. 428,021 ; Mar. 4.

Watches. E. Leichter. 428,019 ; Mar. 4.

CLASS 28

Rings, brooches, and other articles of jewelry, Finger. I. E. Landstrom. 428,039 ; Mar. 4.

CLASS 30

Dinnerware, Porcelain. French Saxon China Company. 428,026 ; Mar. 4.

CLASS 31

Refrigerators and refrigerator display cases. J. J. Murphy. 217,302 ; renewed Aug. 31, 1946. O. G. Mar. 4.

CLASS 32

Cabinets, Cutlery. Chop-N-Bloc Kit Company. 428,024 ; Mar. 4.

Furniture, Upholstered. L. K. Schoenfeld. 428,032 ; Mar. 4.

CLASS 33

Jars, Glass. H. W. Putman. 223,649 ; renewed Feb. 8, 1947. O. G. Mar. 4.

CLASS 34

Burners, Electric motor driven domestic oil. Eckhart Manufacturing Company. 428,036 ; Mar. 4.

Heaters and steam-boilers, Hot-water. Model Heating Company. 59,939 ; re-renewed Jan. 22, 1947. O. G. Mar. 4.

CLASS 35

Packing for steam or other engines and machinery. Eureka Packing Company. 58,947 ; re-renewed Dec. 25, 1946. O. G. Mar. 4.

CLASS 36

Dictating machines. E. J. Long. 427,958 ; Mar. 4 ; Serial No. 495,483 ; published Dec. 3, 1946.

Mouth-harmonicas. Firm of M. Hohner. 59,700 ; re-renewed Jan. 15, 1947. O. G. Mar. 4.

Phonograph needles. Micromaster Company. 427,978 ; Mar. 4 ; Serial No. 499,259 ; published Nov. 19, 1946.

Phonograph records, Mechanically grooved. Gotham Record Corp. 427,986 ; Mar. 4 ; Serial No. 500,078 ; published Dec. 17, 1946.

Strings for musical instruments. Eximport Company of America. 427,976 ; Mar. 4 ; Serial No. 499,221 ; published Nov. 19, 1946.

Violins, guitars, banjos, etc. Fred Gretsch Manufacturing Co. 427,938 ; Mar. 4 ; Serial No. 482,531 ; published Dec. 3, 1946.

CLASS 37

Cards and forms for indexes, indexes, index cards, etc., Blanks and partially-printed. Rand Kardex Bureau, Inc. 227,108 ; renewed Apr. 26, 1947. O. G. Mar. 4.

Cards and forms for indexes, indexes, index cards, etc., Blank and partially-printed. Rand Kardex Bureau, Inc. 228,057 ; renewed May 24, 1947. O. G. Mar. 4.

Letterheads, envelopes, and forms. H. D. Roham. 224,087 ; renewed Feb. 15, 1947. O. G. Mar. 4.

Paper, envelopes, and blank gummed labels, Writing. E. C. Kinney. 427,989 ; Mar. 4 ; Serial No. 500,804 ; published Dec. 17, 1946.

Paper strips, leaves, and sheets, Plain, lithographed, and printed. Autographic Register Company. 222,873 ; renewed Jan. 11, 1947. O. G. Mar. 4.

Paper, Toilet. Dudley Paper Company. 220,052 ; renewed Dec. 21, 1946. O. G. Mar. 4.

Pencils, Lead. S. Aptaker. 427,995–7 ; Mar. 4 ; Serial Nos. 502,482–4 ; published Dec. 17, 1946.

Pens, Fountain. Akron Manufacturing Company. 427,979 ; Mar. 4 ; Serial No. 499,308 ; published Dec. 17, 1946.

CLASS 38

Magazine, Monthly. Climax Publishing Corp. 215,752 ; renewed July 27, 1946. O. G. Mar. 4.

Magazine published periodically. Simmons-Boardman Publishing Company. 222,153 ; renewed Dec. 21, 1946. O. G. Mar. 4.

CLASS 39

Garters, suspenders, garment belts, etc. Gem-Dandy, Inc. 427,964 ; Mar. 4 ; Serial No. 498,003 ; published Dec. 17, 1946.

Hat bodies, Straw and felt. Henry Pollak, Inc. 427,972 ; Mar. 4 ; Serial No. 499,148 ; published Dec. 17, 1946.

Hosiery. E. Lamberti. 427,961 ; Mar. 4 ; Serial No. 497,547 ; published Dec. 17, 1946.

Hosiery. Paramount Knitting Co. 56,142 ; re-renewed Aug. 28, 1946. O. G. Mar. 4.

Hosiery. Theme Hosiery Company. 212,782 ; renewed May 11, 1946. O. G. Mar. 4.

Nets, Hair. S. Oliner. 428,017 ; Mar. 4.

Shoes. Cannon Shoe Company. 427,970–1 ; Mar. 4 ; Serial Nos. 498,883–4 ; published Dec. 17, 1946.

Shoes. Nevelk Company. 427,966 ; Mar. 4 ; Serial No. 498,537 ; published Dec. 17, 1946.

Shoes and slippers. Peppy Footwear, Inc. 427,980 ; Mar. 4 ; Serial No. 499,345 ; published Dec. 17, 1946.

Skirts, Crinoline. I. & M. Co. 427,955 ; Mar. 4 ; Serial No. 494,683 ; published Dec. 17, 1946.

Suits, overcoats, sweaters, etc., Men's and boys'. Hart-Albin Company. 223,847 ; renewed Feb. 15, 1947. O. G. Mar. 4.

Suits ; trunks ; knitted outerwear, Men's, boys', and children's bathing. Associated Knitted Outerwear Mills, Inc. 427,981 ; Mar. 4 ; Serial No. 499,466 ; published Dec. 17, 1946.

CLASS 40

Braids, and millinery braids, Hat. Henry Pollak, Inc. 427,973–4 ; Mar. 4 ; Serial Nos. 499,149–50 ; published Dec. 17, 1946.

Braids—straw and synthetic, Hat. American Glossite Co., Inc. 427,982 ; Mar. 4 ; Serial No. 499,603 ; published Dec. 17, 1946.

Fasteners comprising metallic clamps, safety straps, and reins, Blanket. All-Best Specialties Corp. 428,029 ; Mar. 4.

Hairpins. Madison Wire Company, Inc. 427,987 ; Mar. 4 ; Serial No. 500,100 ; published Dec. 17, 1946.

Pads, Shoulder. S. Kleitman. 428,041 ; Mar. 4.

Pins and hairpins, Bobby. Gaylord Products, Incorporated. 427,943 ; Mar. 4 ; Serial No. 490,532 ; published Dec. 17, 1946.

Pins, bobby pins, and curl pins, Hair. W. H. Rothe. 427,985 ; Mar. 4 ; Serial No. 499,969 ; published Dec. 17, 1946.

Sachets. L. P. Weil. 427,945 ; Mar. 4 ; Serial No. 491,297 ; published Dec. 17, 1946.

Sheets of paper, Perfumed. Munising Paper Company. 428,028 ; Mar. 4.

Textile tapes, and passementerie, Non-adhesive. Associated Lace Corporation. 427,984 ; Mar. 4 ; Serial No. 499,939 ; published Dec. 17, 1946.

Watch straps. Pakula and Company. 427,967 ; Mar. 4 ; Serial No. 498,792 ; published Dec. 17, 1946.

CLASS 41

Canes for the blind, Wheeled. H. J. Deneau. 427,942 ; Mar. 4 ; Serial No. 487,999 ; published Dec. 17, 1946.

CLASS 42

Sheeting, Cotton. Minot, Hooper & Co. 58,596 ; re-renewed Dec. 18, 1946. O. G. Mar. 4.

Woolen goods, Pure. Security Mills, Inc. 220,396 ; renewed Nov. 9, 1946. O. G. Mar. 4.

CLASS 44

Atomizers, Perfume. M. M. Katz. 428,012; Mar. 4; Serial No. 510,020; published Dec. 17, 1946.
Catamenial receptacle. Foldene, Inc. 428,004; Mar. 4; Serial No. 506,589; published Dec. 17, 1946.
Crutches. A. R. Brooks. 428,007; Mar. 4; Serial No. 508,026; published Dec. 17, 1946.
Dental materials. Coralite Dental Products Company. 428,014; Mar. 4; Serial No. 511,599; published Dec. 17, 1946.
Gold for partial dentures, Casting. A. Szabo. 428,022; Mar. 4.
Vaporizers. D. G. Davis. 427,937; Mar. 4; Serial No. 481,525; published Dec. 18, 1945.

CLASS 46

Chewing gum. Frank H. Fleer Corporation. 222,935; renewed Jan. 11, 1947. O. G. Mar. 4.
Coconut oil, Refined. Establissements Rocca, Tassy & De Roux. 215,811; renewed July 27, 1946. O. G. Mar. 4.
Coffee and tea. Batterton Coffee Company, Inc. 222,236; renewed Dec. 28, 1946. O. G. Mar. 4.
Feed, Poultry. W. Frank. 216,945; renewed Aug. 24, 1946. O. G. Mar. 4.
Grain product. Nutrena Feed Mills, Inc. 223,850; renewed Feb. 15, 1947. O. G. Mar. 4.
Honey, Pure. New Orleans Coffee Co. Ltd. 219,703; renewed Oct. 19, 1946. O. G. Mar. 4.
Malt extract. Booth Fisheries Company. 221,713; renewed Dec. 7, 1946. O. G. Mar. 4.
Molasses, syrup, and sorghum. New Orleans Coffee Co. Lmtd. 58,655; re-renewed Dec. 18, 1946. O. G. Mar. 4.
Sardines (packed in cans). Sea Pride Canning Co. 216,949; renewed Aug. 24, 1946. O. G. Mar. 4.

CLASS 50

Decorative material. Decro Products Company. 427,975; Mar. 4; Serial No. 499,211; published Nov. 19, 1946.
Houses; rubber kneeling pads, and tree protectors. Bird. A. C. Fischer. 427,934; Mar. 4; Serial No. 459,927; published Dec. 3, 1946.
Incubators and brooders. M. M. Johnson. 56,540; re-renewed Oct. 2, 1946. O. G. Mar. 4.
Kitchen combination assembly. Parsons Company. 428,031; Mar. 4.
Kits, Automobile. New Yorker Leather Goods Corp. 427,962; Mar. 4; Serial No. 497,557; published Dec. 17, 1946.
Ladders, Aluminum. Mason Products Company, Inc. 427,988; Mar. 4; Serial No. 500,341; published Dec. 17, 1946.
Leather, Artificial. Kalix Mills, Inc. 427,965; Mar. 4; Serial No. 498,228; published Dec. 17, 1946.
Leather, Simulated. Gold Seal Importers, Inc. 427,963; Mar. 4; Serial No. 497,709; published Dec. 10, 1946.
Leather substitute. M. C. F. Manufacturing Co. 427,983; Mar. 4; Serial No. 499,723; published Nov. 19, 1946.
Stand for holding upright a Christmas tree. S-B Manufacturing Company. 427,944; Mar. 4; Serial No. 491,029; published Dec. 3, 1946.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 4TH DAY OF MARCH, 1947

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Backoff, William J.: *See*—
  Williams, Norman D., and Backoff.
Pure Oil Company, The, assignee: *See*—
  Williams, Norman D., and Backoff.
Wilder, Raymond S., Waltham, Mass. Illuminating unit for optical projectors. Re. 22,848; Mar. 4.
Williams, Norman D., Chicago, and W. J. Backoff, Elmhurst, assignors to The Pure Oil Company, Chicago, Ill. Stabilized lubricants. Re. 22,849; Mar. 4.

LIST OF PLANT PATENTEES

Etter, Albert F., Ettersburg, assignor to G. C. Roeding, Jr., Niles, Calif. Apple tree. 723; Mar. 4.
Etter, Albert F., Ettersburg, assignor to G. C. Roeding, Jr., Niles, Calif. Crab apple tree. 724; Mar. 4.
Roeding, George C., Jr., assignee: *See*—
  Etter, Albert F.

LIST OF DESIGN PATENTEES

Axel, Alfred, New York, N. Y. Brooch pin or similar article. 146,425; Mar. 4.
Berger, Martin, assignor to Metro Toy Company, New York, N. Y. Toy dog. 146,426; Mar. 4.
Berger, Martin, assignor to Metro Toy Company, New York, N. Y. Toy horse. 146,427; Mar. 4.
Berger, Martin, New York, N. Y. Toy rabbit. 146,428; Mar. 4.
Birmingham Small Arms Company Limited, The, assignee: *See*—
  Taylor, William H.
Collura, Francesco: *See*—
  Polivka, John N., and Collura.
Edwards, Earl, Monrovia, Calif. Gameboard. 146,429; Mar. 4.
Giegold, Andrew G., Jr., Mount Vernon, N. Y. Alphabet. 146,430; Mar. 4.
Liolich, Samuel N., Detroit, Mich. Putter head. 146,431; Mar. 4.
Metro Toy Company, assignee: *See*—
  Berger, Martin.
Moessner, Helen, assignee: *See*—
  Tullgren, Lester C.
Northeastern Plastics, Inc., assignee: *See*—
  Sandberg, Harry O.
Ohio Thermometer Company, The, assignee: *See*—
  Wappner, Ralph C.
Pielens, Eduard O., Chicago, Ill. Shoe. 146,432; Mar. 4.
Polivka, John N., Minneapolis, Minn., and F. Collura, New York, N. Y., assignor to General Mills, Inc. Handle for electric iron. 146,433; Mar. 4.
Sandberg, Harry O., assignor to Northeastern Plastics, Inc., Boston, Mass. Penholder or similar article. 146,434; Mar. 4.
Scott, Thomas, Glasgow, Scotland. Glass bottle. 146,435; Mar. 4.
Taylor, William H., Wednesbury, assignor to The Birmingham Small Arms Company Limited, Birmingham, England. Bicycle frame. 146,436; Mar. 4.
Taylor, William H., Wednesbury, assignor to The Birmingham Small Arms Company Limited, Birmingham, England. Bicycle frame. 146,437; Mar. 4.
Tullgren, Lester C., Minneapolis, Minn., assignor of one-half to H. Moessner, Menomonie, Wis. Shoe. 146,438; Mar. 4.
Wappner, Ralph C., assignor to The Ohio Thermometer Company, Springfield, Ohio. Thermometer. 146,439; Mar. 4.
Wappner, Ralph C., assignor to The Ohio Thermometer Company, Springfield, Ohio. Thermometer. 146,440; Mar. 4.
Wappner, Ralph C., assignor to The Ohio Thermometer Company, Springfield, Ohio. Thermometer. 146,441; Mar. 4.
Wright, John H., Philadelphia, Pa. Floating toy. 146,442; Mar. 4.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 4TH DAY OF MARCH, 1947

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

- Abbott, Walter D., assignee: *See*—
  - Parizo, Bert.
- Abramson, Harry L., Idaho Falls, Idaho. Turkey saddle. 2,416,726; Mar. 4.
- Accessories, Inc., assignee: *See*—
  - Archer, William J.
- Adams, Comfort A., Germantown, and J. R. Fetcher, Rosemont, Pa., and G. Stocker, Audubon, N. J., assignors to The Budd Company, Philadelphia, Pa. Alternating current bus bar construction. 2,416,670; Mar. 4.
- Adorjan, Paul, Kingston Hill, assignor, by mesne assignments, to Communication Patents Limited, London, England. Apparatus for radio direction finding and indicating. 2,416,727; Mar. 4.
- Albrecht, Gilmon F., Madison, Wis. Beverage vending machine. 2,416,728; Mar. 4.
- Allen, Edward A.: *See*—
  - Healy, Francis P., and Allen.
- Allied Chemical & Dye Corporation, assignee: *See*—
  - Cashion, Francis W.
- Allied Plastics Company, assignee: *See*—
  - Crane, Walton B.
- Almy, Richard, and G. E. Ehle, Lancaster Township, Lancaster County, assignors to Armstrong Cork Company, Lancaster, Pa. Device for treating shoe stiffener blanks. 2,416,671; Mar. 4.
- Alter, Harry, Company, The, assignee: *See*—
  - Schaefer, Harold W.
- Althaus, John, assignee, et al.: *See*—
  - Dowling, Clinton.
- Althaus, Robert K., assignee, et al.: *See*—
  - Dowling, Clinton.
- Amalgamated Wireless (Australasia) Limited, assignee: *See*—
  - Irish, Alfred J., and Lindsay.
- Amende, Joachim, and W. Ender, Ludwigshafen-on-the-Rhine, Germany; vested in the Attorney General of the United States. Manufacture of fibers and foils. 2,416,890; Mar. 4.
- American Cyanamid Company, assignee: *See*—
  - Crawford, Bruce D., and Jayne.
  - Lecher, H. Z., Scalera, and Forster.
  - Pollard, John D.
- American Steel Foundries, assignee: *See*—
  - Kinne, Edmund P.
  - Simanek, Edward J.
- Anaconda Wire and Cable Company, assignee: *See*—
  - Rosch, Samuel J.
- Andrews, Alvadore M., Camp White, Oreg. Hair drying helmet with flexible inner wall. 2,416,788; Mar. 4.
- Andrews, Weldon R., Seattle, Wash., assignor to Hartwell Aviation Supply Co., Los Angeles, Calif. Flush-type door latch. 2,416,889; Mar. 4.
- Anthony, David S., assignor to Anthony Tool Co., San Antonio, Tex. Toolholder. 2,416,975; Mar. 4.
- Anthony Tool Co., assignee: *See*—
  - Anthony, David S.
- Archer, William J., San Francisco, Calif., assignor, by mesne assignments, to Accessories, Inc. Wire hood forming machine. 2,416,672; Mar. 4.
- Armstrong Cork Company, assignee: *See*—
  - Almy, Richard, and Ehle.
- Arveson, Maurice H., Flossmoor, assignor to Standard Oil Company, Chicago, Ill. Catalyst technique. 2,416,729; Mar. 4.
- Arveson, Maurice H., Flossmoor, assignor to Standard Oil Company, Chicago, Ill. Multistage hydrocarbon conversion system. 2,416,730; Mar. 4.
- Asdell, Bernard K.: *See*—
  - Barrett, William H., and Asdell.
- Asnes, Benjamin, assignor to Dennison Manufacturing Company, Framingham, Mass. Decalcomania and making. 2,416,673; Mar. 4.
- Aspinook Corporation, The, assignee: *See*—
  - Hewitt, Frank C.
- Attorney General of the United States: *See*—
  - Joachim, Amende, and Ender.
  - Morgenstern, Alfred.
  - Reiner, Otto.
- Avery, Harold T., Oakland, Calif., assignor to Marchant Calculating Machine Company. Selective normalizing mechanisms for calculating machines. 2,416,809; Mar. 4.
- Babcock & Wilcox Company, The, assignee: *See*—
  - Bailey, Ervin G.
  - Fletcher, James.
- Bahler, Paul F.: *See*—
  - Lawler, Matthew M., and Bahler.
- Bailey, Ervin G., Easton, Pa., assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Attemperator. 2,416,674; Mar. 4.
- Bailey, Theodore, Habana, Cuba. Flour sifter. 2,416,810; Mar. 4.
- Bailey, Theodore, Habana, Cuba. Device for measuring and dispensing granular and pulverulent materials. 2,416,811; Mar. 4.
- Bailey, Theodore, Habana, Cuba. Baby's milk bottle and holder. 2,416,812; Mar. 4.
- Baker, Paul E., Grosse Pointe Farms, Mich., assignor to The Budd Company, Philadelphia, Pa. Triple wheel. 2,416,862; Mar. 4.
- Baldwin, Curtis C., Ottawa, Kans. Load carrying structure for tractors. 2,416,731; Mar. 4.
- Balsbaugh, Jayson C.: *See*—
  - Barnard, Kenneth H., Balsbaugh, and Blackwood.
- Banuelos, Hilario M., Mexico City, Mexico. Tens transfer mechanism. 2,416,891; Mar. 4.
- Barbieri, Cesare, New York, N. Y., assignor to Dixie Cup Company, Chicago, Ill. Container. 2,416,813; Mar. 4.
- Barbieri, Nicholas, Providence, R. I., assignor to Uncas Manufacturing Company. Picture frame and support. 2,416,976; Mar. 4.
- Barker, Eugene, assignor to The Jaeger Machine Company, Columbus, Ohio. Portable loading machine. 2,416,893; Mar. 4.
- Barnard, Kenneth H., Andover, J. C. Balsbaugh, Newton, and M. J. Blackwood, Andover, assignors to Pacific Mills, Boston, Mass. Compound dielectric material and manufacturing the same. 2,416,892; Mar. 4.
- Barnett, Louis, Brooklyn, assignor to L. Stern, New York, N. Y. Pocket key and coin purse. 2,416,732; Mar. 4.
- Barrett, William H., and B. K. Asdell, International Falls, assignors to Minnesota and Ontario Paper Company, Minneapolis, Minn. Apparatus for coating paper. 2,416,789; Mar. 4.
- Barron-Gray Packing Company, assignee: *See*—
  - Erickson, Arvid M., and Ryan.
- Barron, Joseph M., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Combined hydrogenation and dehydrogenation of hydrocarbons. 2,416,894; Mar. 4.
- Barrow, Wilmer L., Newton, Mass., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Transmission line bridge circuit. 2,416,790; Mar. 4.
- Bartelink, Everhard H. B., West Milton, N. Y., assignor to General Electric Company. Pulse signalling system. 2,416,895; Mar. 4.
- Beck, Alfred C., Red Bank, and H. T. Friis, Rumson, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Horn antenna system. 2,416,675; Mar. 4.
- Begtrup, Edward F., Elizabeth, N. J., assignor to Metal & Thermit Corporation, New York, N. Y. Preheating welding rails and mold therefor. 2,416,863; Mar. 4.
- Bell Aircraft Corporation, assignee: *See*—
  - MacAlpin, Donald R.
- Bell Telephone Laboratories, Incorporated: *See*—
  - Beck, Alfred C., and Friis.
  - Dickten, Emil, Jr.
  - Finch, Tudor R., and McLean.
  - Fry, Eugene M.
  - Goff, Harold W.
  - Hersey, Ralph E.
  - King, Archie P.
  - Kinkead, Fullerton S.
  - Myers, Oscar.
  - Parkinson, David B.
  - Pierce, John R.
  - Richard, Charles D.
  - Shockley, William.
  - Teal, Gordon K.
  - Watson, Edward F.
- Bemis Bro. Bag Company, assignee: *See*—
  - Geimer, William J.
- Bendix Aviation Corporation, assignee: *See*—
  - Eltgroth, George V.
- Bernardi, Dominic J., and R. T. Florence, Bronx, assignors to Interchemical Corporation, New York, N. Y. Printing ink. 2,416,676; Mar. 4.
- Berndt, Arthur A., Chicago, Ill. Choker sling. 2,416,733; Mar. 4.
- Betts & Company Limited, assignee: *See*—
  - Stather-Dunn, Eustace, and Menheneott.
- Beverage, Harold H., Riverhead, N. Y., assignor to Radio Corporation of America. Radio receiver system. 2,416,791; Mar. 4.
- Bierwirth, Rudolph A.: *See*—
  - Brown, George H., and Bierwirth.
- Biró, László J., assignor, by mesne assignments, to "Eterpen" Sociedad Anonima Financiera, also known as Eterpen, S. A., Buenos Aires, Argentina. Writing instrument. 2,416,896; Mar. 4.

- Blackburn, John L., East Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Internal-fault selective reclosing-relays. 2,416,677; Mar. 4.
- Blackwood, Melville J.: *See*—
  - Barnard, Kenneth H., Balsbaugh, and Blackwood.
- Bloch, Herman S.: *See*—
  - Thomas, Charles L., and Bloch.
- Boggs, Jesse K., Wilmington, Del., and G. H. Sullivan, assignors to Rapinwax Paper Company, Minneapolis, Minn. Greaseproof paper. 2,416,734; Mar. 4.
- Borg-Warner Corporation, assignee: *See*—
  - Zeidler, Reinhold C.
- Borse, Felix W., Oak Park, and H. S. Hermanson, Deerfield, Ill., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Diverting switch. 2,416,614; Mar. 4.
- Borsum, Adolph W., U. S. Navy. Electronic ratio bridge system repeater. 2,416,678; Mar. 4.
- Brady, Robert L., and A. C. Wall, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Electric switch. 2,416,897; Mar. 4.
- Brassert, H. A., & Company, assignee: *See*—
  - Ramseyer, Charles F.
- Breeze, Charles A., Aberdeen, Scotland. Fertilizer distributor. 2,416,898; Mar. 4.
- Brennen, Ronald F., Valley Stream, assignor to General Die-Stamping-Tool Company, New York, N. Y. Stator winding device. 2,416,735; Mar. 4.
- Bricker, Burton C., Rahway, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating wire-wound electrical resistors. 2,416,864; Mar. 4.
- Bronander, Wilhelm B., Montclair, N. J. Machine for forming and winding fin strips. 2,416,865; Mar. 4.
- Bronander, Wilhelm B., Montclair, N. J. Valve cooling mechanism. 2,416,866; Mar. 4.
- Brown, George H., Princeton, and R. A. Bierwirth, Kingston, N. J., assignors to Radio Corporation of America. Radio frequency wattmeter. 2,416,977; Mar. 4.
- Brown, William C., Watertown, assignor to Raytheon Manufacturing Company, Newton, Mass. Electronic discharge device of the magnetron type. 2,416,899; Mar. 4.
- Bruun, Knud I., assignee: *See*—
  - Volpin, Alexander S.
- Buckley, Eric S., Potters Bar, England. Electrical circuit making and breaking devices. 2,416,736; Mar. 4.
- Budan, Herman W., Los Angeles, Calif. Faucet spray nozzle. 2,416,737; Mar. 4.
- Budd Company, The, assignee: *See*—
  - Adams, Comfort A., Fletcher, and Stocker.
  - Baker, Paul E.
  - Coombes, Joseph H.
  - Eksergian, Carolus L.
  - Farr, Warren H.
  - Gaenssle, Paul W.
- Burgess, Charles F., Bokeelia, Fla., assignor, by mesne assignments, to O. W. Storey, Wheaton, as trustee for the partnership of O. W. Storey & Associates, Chicago, Ill. Capillary transducer. 2,416,978; Mar. 4.
- Burkitt, Henry L., assignee: *See*—
  - Mazzarelli, Augustine M.
- Burley, Joseph C., Milton, Mass. Electric cable. 2,416,979; 2,416,979; Mar. 4.
- Burns, Frank D., Long Beach, assignor to The Hays Corporation, Michigan City, Ind. Stabilizer for process controllers. 2,416,980; Mar. 4.
- Busby, Guy L., Glendale, Calif. Vacuum sealer. 2,416,900; Mar. 4.
- Calhoun, Ingram X., Oklahoma City, Okla. Drill pipe manipulator. 2,416,815; Mar. 4.
- California Research Corporation, assignee: *See*—
  - Farrington, Bruce B., Clayton, and Rutherford.
- Campagnano, Leo, Rockaway Park, N. Y. Bag. 2,416,816; Mar. 4.
- Carmody, Marie O., administratrix: *See*—
  - Carmody, William H.
- Carmody Research Laboratories, Inc., assignee: *See*—
  - Carmody, William H.
- Carmody, William H., deceased, by M. O. Carmody, administratrix, assignor to Carmody Research Laboratories, Inc., Springfield, Ohio. Hydrogenating pinene resin. 2,416,901; Mar. 4.
- Carmody, William H., deceased, by M. O. Carmody, administratrix, assignor to Carmody Research Laboratories, Inc., Springfield, Ohio. Hydrogenating pinene resin. 2,416,902; Mar. 4.
- Carmody, William H., deceased, by M. O. Carmody, administratrix, assignor to Carmody Research Laboratories, Inc., Springfield, Ohio. Hydrogenating coumarone-indene resin. 2,416,903; Mar. 4.
- Carmody, William H., deceased, by M. O. Carmody, administratrix, assignor to Carmody Research Laboratories, Inc., Springfield, Ohio. Hydrogenating coumarone-indene resin. 2,416,904; Mar. 4.
- Carmody, William H., deceased, by M. O. Carmody, administratrix, assignor to Carmody Research Laboratories, Inc., Springfield, Ohio. Hydrogenating coumarone-indene resin. 2,416,905; Mar. 4.
- Carter, Edwin C., Rio Grande City, Tex. Artificial limb. 2,416,817; Mar. 4.
- Carter, Elmer C., West Milton, and C. G. Dudis, assignors to The National Cash Register Company, Dayton, Ohio. Printing control means for cash registers. 2,416,792; Mar. 4.
- Carter, John C., Concord, assignor to Tide Water Associated Oil Company, San Francisco, Calif. Manufacture of alkaline earth sulphonates. 2,416,818; Mar. 4.
- Cashion, Francis W., Buffalo, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Preparation of N-substituted amides of beta-keto-carboxylic acids. 2,416,738; Mar. 4.
- Cayen, Charles R.: *See*—
  - Hewitt, Frank C., and Cayen.
- Celanese Corporation of America, assignee: *See*—
  - Welch, William E. D.
- Chain Belt Company, assignee: *See*—
  - Porter, Don C.
- Chandler, Edward F., Brooklyn, N. Y. Intermittent transmission. 2,416,739; Mar. 4.
- Chandler, Milton E., New Britain, assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Charge forming device. 2,416,906; Mar. 4.
- Chandler, Milton E., New Britain, assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Carburetor. 2,416,907; Mar. 4.
- Ciba Pharmaceutical Products, Inc., assignee: *See*—
  - Hartmann, Max, and von Meyenburg.
  - Ruzicka, Leopold.
- Cincinnati Milling Machine Co., The, assignee: *See*—
  - Shaw, Milton C.
- Clapp, Kenneth S., Cincinnati, Ohio. Concealed lubricant dispensing device. 2,416,819; Mar. 4.
- Clapp, Richard H., Danvers, assignor to Sylvania Electric Products, Inc., Salem, Mass. Fluorescent material. 2,417,038; Mar. 4.
- Clayton, James O.: *See*—
  - Farrington, Bruce B., Clayton, and Rutherford.
- Coberly, Carroll H., Denver, Colo. Combined sewage settling and digesting tank having an inclined apron discharging into the tank, an effluent channel, and an inverted V-shaped baffle extending across the tank between the apron and the channel. 2,416,867; Mar. 4.
- Combustion Control Corporation, assignee: *See*—
  - Thomson, Elihu C.
- Comfy Manufacturing Company, The, assignee: *See*—
  - Waranch, Theodore M.
- Communication Patents Limited, assignee: *See*—
  - Adorjan, Paul.
- Compton, Justin S., Lebanon, assignor to The National Cash Register Company, Dayton, Ohio. Calculating device. 2,416,793; Mar. 4.
- Coombes, Joseph H., Detroit, Mich., assignor to The Budd Company, Philadelphia, Pa. Brake arrangement. 2,416,820; Mar. 4.
- Copperweld Steel Company, assignee: *See*—
  - Selquist, Rolf.
- Cornelius, Yngve R., Portland, Oreg. Heat-treating furnace. 2,416,908; Mar. 4.
- Cotton, William, Limited, assignee: *See*—
  - Lynam, John E., and McCarthy.
- Coulthard, Charles E., W. F. Short, and R. Michaelis, Nottingham, assignors to Therapeutic Research Corporation of Great Britain Limited, London, England. Bacteriostatic substances. 2,416,821; Mar. 4.
- Crane Co., assignee: *See*—
  - Gleeson, Murray A.
- Crane, Walton B., Beverly Hills, assignor to Allied Plastics Company, Los Angeles, Calif. Handbag. 2,416,822; Mar. 4.
- Crawford, Bruce D., Greenwich, and D. W. Jayne, Jr., Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Froth flotation of phosphate ore. 2,416,909; Mar. 4.
- Crompton & Knowles Loom Works, assignee: *See*—
  - Turner, Richard G.
- Crosby, David R., Haddonfield, N. J., assignor to Radio Corporation of America. Radio frequency transmission line. 2,416,981; Mar. 4.
- Crosby, George A., Park Ridge, and A. I. Ericsson, assignors to Signode Steel Strapping Company, Chicago, Ill. Package-binding tool support. 2,416,910; Mar. 4.
- Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Transceiver system. 2,416,794; Mar. 4.
- Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Phase or amplitude modulation receiver. 2,416,795; Mar. 4.
- Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Carrier-exalted receiver. 2,416,911; Mar. 4.
- Crown Cork & Seal Company, Inc., assignee: *See*—
  - Gavin, Frank J.
- Curtis, George W., Wauwatosa, Wis. Jointless tracklayer suspension. 2,416,679; Mar. 4.
- Curtis, Russell H., St. Charles, Ill., assignor, by mesne assignments, to Hawley Products Company. Apparatus for making accreted fibrous products. 2,416,680; Mar. 4.
- Cutler-Hammer, Inc., assignee: *See*—
  - Pell, Eric.

- Dauber, Joseph: *See*—
  - Kaiser, Erwin J., and Dauber.
- Day, Jeremiah C., Lexington, Ky. Foot pad. 2,416,823; Mar. 4.
- De Curtis, Frank, Queens Village, N. Y. Drill support. 2,416,912; Mar. 4.
- De Forest, Taber, assignor to Magnaflux Corporation, Chicago, Ill. Magnetic inspection. 2,416,824; Mar. 4.
- Dekle, Samuel D., Atlantic Beach, Fla. Engine shaft actuated locomotive valve gear of the suspended eccentric rod type. 2,416,982; Mar. 4.
- Del Debbio, Bruno, and W. Lister, San Francisco, Calif. Linoleum knife. 2,416,913; Mar. 4.
- De Luca, Gaetano, Brooklyn, N. Y. Shoe and making the same. 2,416,868; Mar. 4.
- Dennison Manufacturing Company, assignee: *See*—
  - Asnes, Benjamin.
- Dickson, Ross O., Mexico City, Mexico. Artificial teeth. 2,416,983; Mar. 4.
- Dickten, Emil, Jr., Totowa, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Alternating current relays. 2,416,681; Mar. 4.
- Di-Noc Manufacturing Company, assignee: *See*—
  - Reese, Thomas S.
- Distillers Company Limited, The, assignee: *See*—
  - Tuerck, Karl H. W., and Lichtenstein.
- Dixie Cup Company, assignee: *See*—
  - Barbieri, Cesare.
- Dobbs, Richard H., Atlanta, Kans. Hydraulic jack. 2,416,796; Mar. 4.
- Dodson, Edward, Oaks, Puriton, near Bridgwater, England. Fuel injection system for internal-combustion engines. 2,416,797; Mar. 4.
- Donaldson, William J.: *See*—
  - Wright, Harold R, and Donaldson.
- Dow Chemical Company, The, assignee: *See*—
  - Griswold, Thomas, Jr., and McConica.
- Dowling, Clinton, Bethesda, Md., assignor of eight percent to J. K. Althaus, eight percent to R. K. Althaus, sixteen percent to R. A. Vogeley, sixteen percent to C. R. Meininger. Feeder and exerciser. 2,416,825; Mar. 4.
- Dudis, Charles G.: *See*—
  - Carter, Elmer C., and Dudis.
- Duke, Crawford R., Chicago, Ill. Gate for skip car charging chutes. 2,416,740; Mar. 4.
- Du Pont, E. I., de Nemours & Company, assignee: *See*—
  - Bricker, Burton C.
  - Howk, Benjamin W., and Richter.
  - Jilk, Lawrence T.
  - Lindsey, Richard V., Jr., and Scott.
  - Mortenson, Carl W.
  - Schreiber, Richard S., and Schroeder.
  - Schroeder, Herman E.
  - Weinmayr, Viktor.
  - Youker, Mortimer A.
- Dyer, Harry E.: *See*—
  - Jessop, Stuart M., and Dyer.
- Eaton, Thomas T., Haddon Heights, N. J., assignor to Radio Corporation of America. Electron discharge device. 2,416,914; Mar. 4
- Ehle, George E.: *See*—
  - Almy, Richard, and Ehle.
- Einson-Freeman Co., Inc., assignee: *See*—
  - Horr, John V.
- Ekserglan, Carolus L., Detroit, Mich., assignor to The Budd Company, Philadelphia, Pa. Brake arrangement. 2,416,869; Mar. 4.
- Electronic Laboratories, Inc., assignee: *See*—
  - Hings, Donald L.
- Ellis-Foster Company, assignee: *See*—
  - Wells, Franklin B.
- Eltgroth, George V., Towson, Md., assignor to Bendix Aviation Corporation, South Bend, Ind. Radio distance measuring apparatus. 2,416,741; Mar. 4.
- Ender, Willibald: *See*—
  - Amende, Joachim, and Ender.
- Endicott Johnson Corporation, assignee: *See*—
  - Rosenzweig, Henry G.
- Erickson, Arvid M., San Jose, and J. D. Ryan, Campbell, assignors to Barron-Gray Packing Company, San Jose, Calif. Sugar recovery process. 2,416,682; Mar. 4.
- Ericsson, Arvid I.: *See*—
  - Crosby, George A., and Ericsson.
- Ernst, Walter: *See*—
  - Tucker, Warren R., and Ernst.
- Eterpen, S. A., assignee: *See*—
  - Biró, László J.
- "Eterpen" Sociedad Anonima Financiera, assignee: *See*—
  - Biró, László J.
- Etron Industries, Inc., assignee: *See*—
  - Segal, Jacob H.
- Evans, Charles S., Atherton, assignor to T. Nelson, San Leandro, Calif. Single leg support for welding guns. 2,416,915; Mar. 4.
- Farmer, Paul M., Madison, N. J. Article assembly system for stores. 2,416,870; Mar. 4.
- Farr, Edward A., assignor to Noblitt-Sparks Industries, Inc., Columbus, Ind. Electric iron. 2,416,984; Mar. 4.
- Farr, Warren H., Detroit, Mich., assignor to The Budd Company, Philadelphia, Pa. Harrow disk. 2,416,742; Mar. 4.
- Farrington, Bruce B., J. O. Clayton, and J. T. Rutherford, Berkeley, assignors, by mesne assignments, to California Research Corporation, San Francisco, Calif. Compounded mineral oil. 2,416,985; Mar. 4.
- Fell, Raymond E.: *See*—
  - Miller, John W., and Fell.
- Ferguson, William C., assignor to The Presstite Engineering Company, St. Louis, Mo. Beading. 2,416,798; Mar. 4.
- Ferguson, William H., Malden, assignor to H. K. Porter, Inc., Everett, Mass. Dolly. 2,416,916; Mar. 4.
- Fetcher, John R.: *See*—
  - Adams, Comfort A., Fetcher, and Stocker.
- Field, Oscar S., and R. W. Hewes, assignors to General Railway Signal Company, Rochester, N. Y. Electro-manual railroad switch lock and signal circuit control with emergency release. 2,416,986; Mar. 4.
- Finch, Tudor R., Jackson Heights, N. Y., and D. A. McLean Chatham, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave transmission network. 2,416,683; Mar. 4.
- Fischer, Howard L., St. Paul, assignor of forty-nine per cent to G. Ulvick, Minneapolis, Minn. Fountain brush. 2,416,684; Mar. 4.
- Fleischer, Fred E., assignor to Gulf Research & Development Company, Pittsburgh, Pa. Gear pumping mechanism. 2,416,987; Mar. 4.
- Fletcher, James, Akron, Ohio, assignor to The Babcock & Wilcox Company, Newark, N. J. Atomizer. 2,416,685; Mar. 4.
- Florence, Robert T.: *See*—
  - Bernardi, Dominic J., and Florence.
- Food Machinery Corporation, assignee: *See*—
  - Stockdale, Harry C.
- Forgar, Albert H., Los Angeles, Calif. Glass press mold turning device. 2,416,743; Mar. 4.
- Forster, Warren S.: *See*—
  - Lecher, Hans Z., Scalera, and Forster.
- Foulds, Robinson P., and J. T. Marsh, assignors to Tootal Broadhurst Lee Company Limited, Manchester, England. Delustring and weighting textile materials. 2,416,988; Mar. 4.
- Foundry Equipment Company, The, assignee: *See*—
  - Lynch, Charles B.
- Francis, Charles B., Pittsburgh, Pa. Utilization of ferrous sulphate solutions in the manufacture of other sulphates. 2,416,744; Mar. 4.
- Fraser, Malcolm W., assignee, trustee: *See*—
  - Parsons, John B.
- Freedman, Benjamin H., New York, N. Y. Ticket strip and ticket. 2,416,686; Mar. 4.
- Friis, Harald T.: *See*—
  - Beck, Alfred C., and Friis.
- Fry, Eugene M., Matawan, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic focussing device. 2,416,687; Mar. 4.
- Fulmer, Ellis I., and L. A. Underkofler, Ames, Iowa, and R. J. Hickey, Terre Haute, Ind., assignors to Iowa State College Research Foundation, Ames, Iowa. Fermentative glycerol production. 2,416,745; Mar. 4.
- Gaenssle, Paul W., Grosse Pointe Farms, Mich., assignor to The Budd Company, Philadelphia, Pa. Hand brake arrangement. 2,416,871; Mar. 4.
- Gallaher, Felix A., assignor to W. J. Gallaher, Seattle, Wash. Excavator apparatus. 2,416,826; Mar. 4.
- Gallaher, William J., assignee: *See*—
  - Gallaher, Felix A.
- Garibay, Joseph U., Montebello, Calif. Welding tool. 2,416,872; Mar. 4.
- Gauthier, Marcel C., Montclair, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Making cores of magnetic material for electromagnetic coils. 2,416,989; Mar. 4.
- Gavin, Frank J., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Tube mill and operating same, including discharging. 2,416,746; Mar. 4.
- Geigy, J. R., A. G., assignee: *See*—
  - Martin, Henry, and Häfliger.
  - Martin, Henry, Häfliger, and Neracher.
  - Martin, Henry, and Neracher.
- Geimer, William J., Minneapolis, Minn., assignor to Bemis Bros. Bag Company, St. Louis, Mo. Bag. 2,416,747; Mar. 4.
- General Aniline & Film Corporation, assignee: *See*—
  - Reichel, Maximilian K.
  - Sweet, Monroe H.
- General Die-Stamping Tool Company, assignee: *See*—
  - Brennen, Ronald F.
- General Electric Company, assignee: *See*—
  - Batelink, Everhard H. B.
  - Kingdon, Kenneth H., and Lawton.
  - Prince, David C.
  - Welch, Douglas F., and Wilkinson.
  - Wright, George T.
- General Motors Corporation, assignee: *See*—
  - Schweller, Edmund F.
  - Stevens, Clarence C.
- General Railway Signal Company, assignee: *See*—
  - Field, Oscar S., and Hewes.

- Geophysical Development Corporation, assignee: *See*—
  - Krasnow, Shelley.
- George, Ralph W., Riverhead, N. Y., assignor to Radio Corporation of America. Transmission line having dead-end portion. 2,416,827; Mar. 4.
- Gerrard Steel Strapping Company, assignee: *See*—
  - Vining, Willard F., and Rowe.
- Giddings & Lewis Machine Tool Co., assignee: *See*—
  - Kaiser, Erwin J., and Dauber.
- Gleeson, Murray A., assignor to Crane Co., Chicago, Ill. Packing gland. 2,416,917; Mar. 4.
- Gnoerk, Adolph E., Evanston, assignor to Peters Machinery Company, Chicago, Ill. Carton folding mechanism. 2,416,748; Mar. 4.
- Goddard, Charles T., assignor to Western Electric Company, Incorporated, New York, N. Y. Electron discharge device. 2,416,799; Mar. 4.
- Godshalk, James B.: *See*—
  - Perley, George A., and Godshalk.
- Goff, Harold W., Manhasset, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Call transmitter. 2,416,688; Mar. 4.
- Goff, Lionel E.: *See*—
  - Wilson, Golder P., and Goff.
- Goldsmith, Alfred N., New York, N. Y. Television apparatus. 2,416,919; Mar. 4.
- Goldsmith, Alfred N., assignor to Radio Corporation of America, New York, N. Y. Color television system. 2,416,918; Mar. 4.
- Goodman Manufacturing Company, assignee: *See*—
  - Leroy, Louis, and Wood.
- Gorfin, Alex M., New York, N. Y. Cowling fastener. 2,416,873; Mar. 4.
- Gorin, Everett: *See*—
  - Gorin, Manuel H. and E.
- Gorin, Manuel H. and E., Dallas, Tex., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Production of styrene. 2,416,990; Mar. 4.
- Grady, Thomas M., Dorchester, Mass. Propulsion mechanism. 2,416,689; Mar. 4.
- Greene, Nat C.: *See*—
  - Katcher, Morris, and Greene.
- Green's Fuel, Incorporated, assignee: *See*—
  - Jones, Nelson M.
- Grey, Victor, assignor to Teletype Corporation, Chicago, Ill. Hollow milling machine. 2,416,749; Mar. 4.
- Griffith, Alan A., assignor to Rolls-Royce Limited, Derby, England. Suction pump operating means for removing boundary layer from airplane wings. 2,416,991; Mar. 4.
- Griswold, Thomas, Jr., and T. H. McConica, III, Midland, Mich., assignors to The Dow Chemical Company. Method and apparatus for condensing metallic vapors. 2,416,992; Mar. 4.
- Grove, Donald E., West Los Angeles, assignor of one-sixth to V. C. Hickson, Los Angeles, Calif. Making containers. 2,416,993; Mar. 4.
- Gulf Research & Development Company, assignee: *See*—
  - Fleischer, Fred E.
- H-P-M Development Corp., assignee: *See*—
  - Tucker, Warren R., and Ernst.
  - Waldie, George A.
- Häfliger, Franz: *See*—
  - Martin, Henry, and Häfliger.
  - Martin, Henry, Häfliger, and Neracher.
- Hamre, Glenn L., Billings, Mont. Fishing rod holder and fly tying vise. 2,416,828; Mar. 4.
- Hardy, Wilbert E., McKees Rocks, assignor to The McKay Company, Pittsburgh, Pa. Apparatus for handling welding rods or the like. 2,416,690; Mar. 4.
- Harper, Elmer E., deceased, Monrovia, Calif.; E. P. Harper, executrix. Automatic control for gravimetric feeders by the weight of the material in the supply container. 2,416,994; Mar. 4.
- Harper, Esther P., executrix: *See*—
  - Harper, Elmer E.
- Harris, Leonard B., Southold, and V. R. Pascale, New York, N. Y. Garment hanger. 2,416,750; Mar. 4.
- Harris Trust and Savings Bank, assignee: *See*—
  - Katcher, Morris, and Greene.
- Harris, William J., Newport, England. Electric discharge lamp and controlling means therefor. 2,416,751; Mar. 4.
- Hartley, Emmett C., assignor to The Parker Appliance Company, Cleveland, Ohio. Closure cap for tube fittings. 2,416,829; Mar. 4.
- Hartman, Max, Riehen, and H. von Meyenburg, Basel; Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. Manufacture of para-aminobenzenesulfonylguanidine. 2,416,995; Mar. 4.
- Hartwell Aviation Supply Co., assignee: *See*—
  - Andrews, Weldon R.
- Haseltine, Stacy B., LaGrange, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber. 2,416,691; Mar. 4.
- Hathaway, Jarrett L.: *See*—
  - Wolff, Irving, and Hathaway.
- Hawley Products Company, assignee: *See*—
  - Curtis, Russell H.
- Hawthorne, Charles W., Conneautville, Pa. Powder duster. 2,416,920; Mar. 4.
- Hays Corporation, The, assignee: *See*—
  - Burns, Frank D.
- Healy, Francis P., Springfield, and E. A. Allen, Westfield, assignors to Van Norman Company, Springfield, Mass. Boring bar guiding mechanism. 2,416,996; Mar. 4.
- Heimann, Heinrich: *See*—
  - Schaaff, Louis W., Heimann, and Wurzel.
- Hendrick, John M., Burbank, Calif. Wheeled suitcase. 2,416,752; Mar. 4.
- Hermanson, Henning S.: *See*—
  - Borse, Felix W., and Hermanson.
- Hersey, Ralph E., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Impulse transmitter. 2,416,692; Mar. 4.
- Heuberger, Josef F., Stockholm, Sweden. Iron-graphite contact. 2,416,830; Mar. 4.
- Hewes, Ralph W.: *See*—
  - Field, Oscar S., and Hewes.
- Hewitt, Frank C., Northampton, Mass., assignor, by mesne assignments, to The Aspinook Corporation, Jewett City, Conn. Decoration of fabric in multicolor relief. 2,416,997; Mar. 4.
- Hewitt, Frank C., Northampton, and C. R. Cayen, Easthampton, Mass., assignors, by mesne assignments, to The Aspinook Corporation, Jewett City, Conn. Cellulose solution and making the same. 2,416,998; Mar. 4.
- Hickey, Richard J.: *See*—
  - Fulmer, Ellis I., Underkofler, and Hickey.
- Hicks, Albertson, Miami, Fla. Counterbalance for ramps and like pivoted members. 2,416,753; Mar. 4.
- Hickson, Vincent C., assignee: *See*—
  - Grove, Donald E.
- Hills Bros. Coffee, Inc., assignee: *See*—
  - Hills, Leslie W.
- Hills, Leslie W., assignor to Hills Bros. Coffee, Inc., San Francisco, Calif. Container construction. 2,416,693; Mar. 4.
- Hingley, James W., Chester, Pa. Towing device. 2,416,921; Mar. 4.
- Hings, Donald L., Ottawa, Ontario, Canada, assignor to Electronic Laboratories, Inc., Indianapolis, Ind. Radio transmitter amplifier. 2,416,831; Mar. 4.
- Hofheimer, H. Clay, II, assignee: *See*—
  - Mallard, Logan L.
- Hoover Company, The, assignee: *See*—
  - White, Harry B.
- Horr, John V., North Tarrytown, assignor to Einson-Freeman Co., Inc., Long Island City, N. Y. Collapsible cardboard display device. 2,416,754; Mar. 4.
- Houdaille-Hershey Corporation, assignee: *See*—
  - Sebok, Joseph B.
- Howard, David A., Jr., Hartwell, Ga. Transmission line voltage indicator. 2,416,694; Mar. 4.
- Howk, Benjamin W., and H. J. Richter, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Treatment of interpolymers of vinyl chloride and esters of ethylenedicarboxylic acids. 2,416,874; Mar. 4.
- Hulburt, George D., assignor to Twentieth Century-Fox Film Corporation, Los Angeles, Calif. Nail straightening machine. 2,416,832; Mar. 4.
- Hydraulic Development Corporation, Inc., The, assignee: *See*—
  - Waldie, George A.
- Ideal Industries, Inc., assignee: *See*—
  - James, Gerald W.
- Imperial Chemical Industries Limited, assignee: *See*—
  - Wright, Harold R., and Donaldson.
- Interchemical Corporation, assignee: *See*—
  - Bernardi, Dominic J., and Florence.
- Iowa State College Research Foundation, assignee: *See*—
  - Fulmer, Ellis I., Underkofler, and Hickey.
- Irish, Alfred J., and D. G. Lindsay, Sydney, assignors to Amalgamated Wireless (Australasia) Limited, Sydney, New South Wales, Australia. Voltage regulating circuits. 2,416,922; Mar. 4.
- Jaeger Machine Company, The, assignee: *See*—
  - Barker, Eugene.
- James, Gerald W., assignor, by mesne assignments, to Ideal Industries, Inc., Sycamore, Ill. Battery. 2,416,755; Mar. 4.
- Jayne, David W., Jr.: *See*—
  - Crawford, Bruce D., and Jayne.
- Jenkins, Alexander F., assignor to The Alexander Milburn Company, Baltimore, Md. Spray gun. 2,416,923; Mar. 4.
- Jessop, Stuart M., Baltimore, and H. E. Dyer, Havre de Grace, Md. Method and apparatus for impregnating filter material. 2,416,695; Mar. 4.
- Johnson, Austin E., Bethune, Colo. Mailbox. 2,416,696; Mar. 4.
- Johnson, Norma C.: *See*—
  - Williams, Albert J., Jr., Tarpley, and Johnson.
- Johnston, Lawrence M., Indianapolis, Ind. Quick release parachute harness connector. 2,416,757; Mar. 4.
- Jolk, Lawrence T., Charleston, W. Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Continuous production of esters of methacrylic acid. 2,416,756; Mar. 4.
- Jones, Nelson M., assignor to Green's Fuel, Incorporated, Sarasota, Fla. Producing ebullition in liquefied petroleum gases. 2,416,924; Mar. 4.

Jordan, Richard H., Mansfield, Ohio, assignor to Dominion Electrical Manufacturing, Inc. Fan gear assembly. 2,417,303; Mar. 4.

Kaiser, Erwin J., Fond du Lac, Wis., and J. Dauber, Chicago, Ill., assignors to Giddings & Lewis Machine Tool Co., Fond du Lac, Wis. Telescope. 2,416,697; Mar. 4.

Katcher, Morris, New York, N. Y., and N. C. Greene, Fairfield, assignors, by mesne assignments, to Harris Trust and Savings Bank, Chicago, Ill., as trustee. Bicycle generator. 2,416,833; Mar. 4.

Kehoe, William R., Baytown, Tex. System for controlling flow of fluids. 2,416,875; Mar. 4.

Keith, Claude D., deceased, Lake Mahopac, N. Y.; I. M. Keith, administratrix, and J. F. O'Brien, Englewood, N. J.; said O'Brien assignor to said I. M. Keith, as administratrix. Bottle carrier. 2,416,999; Mar. 4.

Keith, Irene M., administratrix: *See—*
  Keith, Claude D., and O'Brien.

Kemp, Milton H., Oak Park, Ill., assignor to The Kendall Company, Boston, Mass. Pressure-sensitive adhesive sheet materials. 2,416,925; Mar. 4.

Kemp, Milton H., Oak Park, Ill., assignor to The Kendall Company, Boston, Mass. Pressure-sensitive adhesive tapes. 2,416,926; Mar. 4.

Kendall Company, The, assignee: *See—*
  Kemp, Milton H.

King, Archie P., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radiation and reception of microwaves. 2,416,698; Mar. 4.

Kingdom, Kenneth H., and E. J. Lawton, Schenectady, N. Y., assignors to General Electric Company. Gaseous discharge device. 2,416,927; Mar. 4.

Kinkead, Fullerton S., deceased, New York, by R. S. Kinkead, administratrix, Trudeau, assignor to Bell Telephone Laboratories, New York, N. Y. Station selector system. 2,416,699; Mar. 4.

Kinkead, Rita S.: *See—*
  Kinkead, Fullerton S.

Kinne, Edmund P., Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill. Draft gear. 2,416,928; Mar. 4.

Kjorsvik, Bertha M., Wabasso, Fla. Pocketknife. 2,416,929; Mar. 4.

Knowles, Eileen B., Forbestown, Calif. Yarn substitute for knitting or crocheting activities and making the same. 2,416,758; Mar. 4.

Kocher, Daniel W., Chicago, Ill., assignor, by mesne assignments, to Universal Atlas Cement Company, Indianapolis, Ind. Refractory concrete. 2,416,700; Mar. 4.

Kocher, Daniel W., Chicago, Ill., assignor, by mesne assignments, to Universal Atlas Cement Company, Indianapolis, Ind. Refractory concrete. 2,416,701; Mar. 4.

Koenig, Edgar A., Dallas, Tex., assignor, by mesne assignments, to Socony Vacuum Oil Company, Incorporated, New York, N. Y. Supporting and carrying filter elements. 2,417,000; Mar. 4.

Krasnow, Shelley, New York, N. Y., assignor to Geophysical Development Corporation, Washington, D. C. Apparatus and method for recording borehole radioactivity. 2,416,702; Mar. 4.

Kuenstler, Walter E., Cliffside Park, N. J. Casing for piezoelectric crystals. 2,416,876; Mar. 4.

Kuslich, John S., St. Paul, Minn. Artificial fish bait or lure. 2,416,834; Mar. 4.

Lallmang, Howard C., Eggertsville, N. Y. Garment. 2,416,930; Mar. 4.

Lathrop, Harry D., assignor to The Lathrop-Paulson Company, Chicago, Ill. Pivoted means for directing drying gas into the interior of hollow articles. 2,416,759; Mar. 4.

Lathrop-Paulson Company, The, assignee: *See—*
  Lathrop, Harry D.

Laughlin, Myron P., St. Petersburg, Fla. Aerial mine. 2,416,877; Mar. 4.

Lawler, Matthew M., Short Hills, and P. F. Bahler, Haworth, assignors to Worthington Pump and Machinery Corporation, Harrison, N. J. Fluid cooling apparatus. 2,416,760; Mar. 4.

Lawton, Elliot J.: *See—*
  Kingdon, Kenneth H., and Lawton.

Lecher, Hans Z., Plainfield, and M. Scalera and W. S. Forster, Sommerville, N. J., assignors to American Cyanamid Company, New York, N. Y. Ring closure of polynuclear quinones with tetrachlorides or tetrabromides of titanium or zirconium. 2,416,931; Mar. 4.

Leeds and Northrup Company, assignee: *See—*
  Perley, George A., and Godshalk.
  Williams, Albert J., Jr., Tarpley, and Johnson.

Le Lande, Lester R., Pasadena, Tex. Glare shield. 2,416,761; Mar. 4.

Leroy, Louis, Chicago, and F. J. Wood, Riverside, assignors to Goodman Manufacturing Company, Chicago, Ill. Blocker and coil handling device. 2,417,001; Mar. 4.

Leventhal, Jacob F., New York, N. Y., assignor to Leventhal Patents, Inc., Chattanooga, Tenn. Optical compensator. 2,417,002; Mar. 4.

Leventhal Patents, Inc., assignee: *See—*
  Leventhal, Jacob F.

Lewis Invisible Stitch Machine Company, assignee: *See—*
  Mueller, Charles W.

Lichtenstein, Hans J.: *See—*
  Tuerck, Karl H. W., and Lichtenstein.

Lieberherr, Hans, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland. Multicylinder opposed piston internal-combustion engine. 2,416,762; Mar. 4.

Lindsay, Donald G.: *See—*
  Irish, Alfred J., and Lindsay.

Lindsey, Richard V., Jr., and S. L. Scott, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Curing halogen containing linear polymers. 2,416,878; Mar. 4.

Lingel, Frederick J., assignor to The Triplett Electrical Instrument Company, Bluffton, Ohio. Electrical measuring instrument. 2,416,835; Mar. 4.

Lister, Walter: *See—*
  Del Debbio, Bruno, and Lister.

Litzenberg, David P., assignor to Motor Parts Company, Philadelphia, Pa. Oil burner. 2,416,932; Mar. 4.

Lynam, John E., Mapperley, and P. G. McCarthy, Whitwick, assignors to William Cotton Limited, Loughborough, England. Patterning mechanism. 2,416,933; Mar. 4.

Lynch, Charles B., assignor, by mesne assignments, to The Foundry Equipment Company, Cleveland, Ohio. Conveying means. 2,416,763; Mar. 4.

MacAlpin, Donald R., Lackawanna, assignor to Bell Aircraft Corporation, Buffalo, N. Y. Changeable pitch airscrew hub. 2,417,003; Mar. 4.

Madson, Harold R., Glen Ellyn, assignor to Welding Apparatus Company, Chicago, Ill. Welder's helmet. 2,416,764; Mar. 4.

Magnaflux Corporation, assignee: *See—*
  de Forest, Taber.

Mallard, Logan L., assignor of one-half to H. C. Hofheimer, II, Norfolk, Va. Ice cube tray. 2,416,934; Mar. 4.

Mallory, P. R., & Co., Inc., assignee: *See—*
  Brady, Robert L., and Wall.

Marchant Calculating Machine Company, assignee: *See—*
  Avery, Harold T.

Marini, Herman: *See—*
  Stroud, Charles E., and Marini.

Marsh, John T.: *See—*
  Foulds, Robinson P., and Marsh.

Marshall, Wilbert P., Cleveland Heights, Ohio. Crystal indexing fixture. 2,416,703; Mar. 4.

Martin, Henry, and O. Neracher, assignors to the firm of J. R. Geigy A. G., Basel, Switzerland. Manufacture of 4-aminobenzene-N^1-(3′:4′-Dimethylbenzoyl)-sulfonamide. 2,417,004; Mar. 4.

Martin, Henry, and F. Häfliger, assignors to J. R. Geigy A. G. Basel, Switzerland. Manufacture of P-aminobenzene sulfone-N_1-acylamides. 2,417,005; Mar. 4.

Martin, Henry, F. Häfliger, and O. Neracher, assignors to J. R. Geigy A. G., Basel, Switzerland. Manufacture of acylsulfonamides. 2,417,006; Mar. 4.

Mazzarelli, Augustine M., assignor to H. L. Burkitt, New York, N. Y. Applicator. 2,416,705; Mar. 4.

McCarthy, Patrick G.: *See—*
  Lynam, John E., and McCarthy.

McCollum, Henry J. D., deceased; T. McCollum, executrix, assignor to Stewart-Warner Corporation, Chicago, Ill. Altitude compensating heating system. 2,416,935; Mar. 4.

McCollum, Thelma, executrix: *See—*
  McCollum, Henry J. D.

McConica, Thomas H., III: *See—*
  Griswold, Thomas, Jr., and McConica.

McGill, Alryc U., Stuttgart, Ark. Mold-blanketing material. 2,416,836; Mar. 4.

McKay Company, The, assignee: *See—*
  Hardy, Wilbert E.

McKinley, Benjamin P., Manatee County, Fla., assignor to McKinley-Muckenhaupt Co., Chicago, Ill. Electrically heated soldering device. 2,416,936; Mar. 4.

McKinley-Muckenhaupt Co., assignee: *See—*
  McKinley, Benjamin P.

McLaughlin, John R., New Brunswick, N. J., assignor, by mesne assignments, to Tampax Incorporated, New York, N. Y. Compression drum for forming cotton and the like. 2,416,706; Mar. 4.

McLean, David A.: *See—*
  Finch, Tudor R., and McLean.

Meininger, Carl R., assignee, et al.: *See—*
  Dowling, Clinton.

Mell-O-Chime and Signal Corporation, assignee: *See—*
  Zuckerman, Joseph S.

Menheneott, Frank M.: *See—*
  Stather-Dunn, Eustace, and Menheneott.

Metal & Thermit Corporation, assignee: *See—*
  Begtrup, Edward F.

Metzner, Albert W., assignor to The Standard Register Company, Dayton, Ohio. Imprinting machine. 2,416,707; Mar. 4.

Meyer, Josef, Dietikon, Switzerland. Abrading machine for peeling potatoes. 2,416,837; Mar. 4.

Meyers, Charles O., Bartlesville, Okla., assignor to Phillips Petroleum Company. Absorption oil reclaimer. 2,417,007; Mar. 4.

Michaelis, Robert: *See—*
  Coulthard, Charles E., Short, and Michaelis.

Milburn, Alexander, Company, The, assignee: *See—*
  Jenkins, Alexander F.

Miller, Abba, Cleveland, Ohio. Parking device. 2,416,838; Mar. 4.

Miller, Andrew E., assignor to The Wabash Fibre Box Company, Terre Haute, Ind. Chick box spacer. 2,417,008; Mar. 4.

Miller, Bert C., Montclair, assignor to Bert C. Miller, Inc., East Orange, N. J. Coating with thermoplastic material. 2,417,009; Mar. 4.

Miller, Bert C., Inc., assignee: *See—*
  Miller, Bert C.

Miller, Henry E., Menan, Idaho. Potato harvester with vine lifter. 2,416,937; Mar. 4.

Miller, John W., assignor to Motor Wheel Corporation, Lansing, Mich. Draft regulator. 2,416,765; Mar. 4.

Miller, John W., and R. E. Fell, assignors to Motor Wheel Corporation, Lansing, Mich. Fuel supply and ignition control for combustion apparatus. 2,416,766; Mar. 4.

Mims, William J., Birmingham, Ala. Comb. 2,416,704; Mar. 4.

Miner, George A., Manchester, N. H., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe sewing machine. 2,416,767; Mar. 4.

Miner, W. H., Inc., assignee: *See—*
  Haseltine, Stacy B.

Minneapolis-Honeywell Regulator Company, assignee: *See—*
  Borse, Felix W., and Hermanson.

Minnesota and Ontario Paper Company, assignee: *See—*
  Barrett, William H., and Asdell.

Mobley, William R., Miami, Fla. Air circulating and conditioning device. 2,417,010; Mar. 4.

Moller, Berniece, Oakland, Calif. Hand covering cuff for babies. 2,416,800; Mar. 4.

Monner, Ray J., Denver, Colo., assignor, by mesne assignments, to C. A. Sorensen, Lincoln, Nebr. Machine gun cooling means. 2,416,768; Mar. 4.

Moore, Sidney A., assignor to The Prime Manufacturing Company, Milwaukee, Wis. Wire take-up reel. 2,416,708; Mar. 4.

Moreton, Henry H., Chicago, Ill. Display stand. 2,416,879; Mar. 4.

Morgenstern, Alfred, Rottenburg-on-the-Neckar, Germany; vested in the Attorney General of the United States. Needle bed for use in knitting machines. 2,416,938; Mar. 4.

Morrow, Charles T., Cambridge, Mass., assignor to the United States of America, as represented by the Executive Secretary of the Office of Scientific Research and Development. Speech transmitter for masks. 2,416,939; Mar. 4.

Mortenson, Carl W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polyvinyl alcohol insolubilized with chlorinated polymeric ethers. 2,416,880; Mar. 4.

Morton, James E., Harvey, Ill. Fluid pressure motor. 2,416,940; Mar. 4.

Motor Parts Company, assignee: *See—*
  Litzenberg, David P.

Motor Wheel Corporation, assignee: *See—*
  Miller, John W.

Mueller, Charles W., St. Louis, Mo., assignor to Lewis Invisible Stitch Machine Company. Blind-stitch machine. 2,416,941; Mar. 4.

Muhlhauser, Frederick P., Rochester, N. Y., assignor, by mesne assignments, to Superba Cravats. Necktie. 2,416,839; Mar. 4.

Muskat, Irving E., Plainfield, N. J. Treating tin bearing materials. 2,416,709; Mar. 4.

Myers, Oscar, Mount Vernon, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Marker circuit for cross bar telephone system. 2,416,710; Mar. 4.

Myers, Oscar, Mount Vernon, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Toll trunk selection. 2,416,711; Mar. 4.

Nasmith, John W., Heaton Mersey, Manchester, England. Combing machine for textile fibers. 2,416,840; Mar. 4.

National Cash Register Company, The, assignee: *See—*
  Carter, Elmer C., and Dudis.
  Compton, Justin S.

National Folding Box Company, Incorporated, assignee: *See—*
  Williamson, Marshall I.

Nelson, Ted, assignee: *See—*
  Evans, Charles S.
  Remmer, Herbert S.

Neracher, Otto: *See—*
  Martin, Henry, Häfliger, and Neracher.
  Martin, Henry, and Neracher.

Newcomer, Benjamin F., Washington, D. C. Combined steam and combustion gas turbine. 2,416,942; Mar. 4.

Nicolazzo, John, Bridgeport, Conn. Connector for conductor wires. 2,416,943; Mar. 4.

Niles-Bement-Pond Company, assignee: *See—*
  Chandler, Milton E.

Noblitt-Sparks Industries, Inc., assignee: *See—*
  Farr, Edward A.

Norlin, Clarence F., Chicago, Ill. Splash shield. 2,416,944; Mar. 4.

Northrop Aircraft, Inc., assignee: *See—*
  Pavlecka, Vladimir H.
  Sears, Williams R.

Nowicke, Frank J., Hanover, Md. Electrode holder. 2,416,841; Mar. 4.

Noyes, Harry A., Watertown, Mass. Concentrating coffee. 2,416,945; Mar. 4.

Nygren, Charles E., Waterbury, Conn. Window sash control. 2,416,946; Mar. 4.

O'Brien, Joseph F.: *See—*
  Keith, Claude D., and O'Brien.

Offen, Bernard, Chicago, Ill. Apparatus for drying webs. 2,417,011; Mar. 4.

O'Leary, Charles M., Houston, assignor to Herbert C. Otis, Dallas, Tex. Well cementing apparatus. 2,416,842; Mar. 4.

Olin Industries, Inc., assignee: *See—*
  Wilson, Golder P.
  Wilson, Golder P., and Goff.

Osborn, Merle L., Long Beach, Calif. Pressure regulating valve. 2,416,881; Mar. 4.

Otis, Herbert C., assignee: *See—*
  O'Leary, Charles M.

Ottawa Steel Products, Incorporated, assignee: *See—*
  Simmonds, Wayne W.

Pacific Mills, assignee: *See—*
  Barnard, Kenneth H., Balsbaugh, and Blackwood.

Palm, George H., assignor to Stewart-Warner Corporation, Chicago, Ill. Discharge pressure controlled hydraulically operated dispensing pump. 2,416,947; Mar. 4.

Palmer, Charles O., Bergholz, Ohio. Photographic attachment for firearms. 2,416,769; Mar. 4.

Pan A.-G., assignee: *See—*
  Wassmer, Albert.

Parizo, Bert, East Hartford, assignor of one-half to W. D. Abbott, West Hartford, Conn. Receiver for nut removing tools. 2,416,882; Mar. 4.

Parker Appliance Company, assignee: *See—*
  Hartley, Emmett C.

Parker, William H., Millville, N. J. Firearm chamber loading indicator. 2,416,712; Mar. 4.

Parkinson, David B., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Call transmitter. 2,416,713; Mar. 4.

Parsons, John B., assignor to M. W. Fraser, trustee, Toledo, Ohio. Electromagnetic pump for internal-combustion engines. 2,416,843; Mar. 4.

Pascale, Vito R.: *See—*
  Harris, Leonard B., and Pascale.

Pavlecka, Vladimir H., Pacific Palisades, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Hydraulic turbine type torque converter and fluid coupling. 2,416,948; Mar. 4.

Pell, Eric, Shorewood, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Current controlled polyphase induction motor braking system. 2,417,012; Mar. 4.

Pelton Water Wheel Company, The, assignee: *See—*
  White, Ira M.

Perley, George A., Wyncote, Pa., and J. B. Godshalk, Bowie, Md., assignors to Leeds and Northrup Company, Philadelphia, Pa. Cells for pH measurements. 2,416,949; Mar. 4.

Peters Machinery Company, assignee: *See—*
  Gnoerk, Adolph E.

Petersen, William, De Witt, Nebr. Toggle actuated sliding jaw wrench. 2,417,013; Mar. 4.

Philco Corporation, assignee: *See—*
  Tellier, Joseph C.

Phillips Petroleum Company, assignee: *See—*
  Meyers, Charles O.
  St. Clair, Theodore A.
  Whaley, Thomas H.

Pierce, John R., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 2,416,714; Mar. 4.

Pisculli, Ferdinand M., Yonkers, N. Y. Fountain pen. 2,416,770; Mar. 4.

Pittsburgh Plate Glass Company, assignee: *See—*
  Stroud, Charles E., and Marini.

Pohrman, Walter A., Vancouver, Wash. Portable scaffolding. 2,416,950; Mar. 4.

Pollard, John D., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Acidic solution of a partially polymerized melamine-formaldehyde condensation product in an aqueous aliphatic polyhydric alcohol solvent. 2,417,014; Mar. 4.

Porter, Don C., Tacoma, Wash., assignor to Chain Belt Company, Milwaukee, Wis. Concrete mixing and distributing apparatus. 2,416,771; Mar. 4.

Porter, H. K., Inc., assignee: *See—*
  Ferguson, William H.

Presstite Engineering Company, The, assignee: *See—*
  Ferguson, William C.

Prime Manufacturing Company, The, assignee: *See—*
  Moore, Sidney A.

Prince, David C., Schenectady, N. Y., assignor to General Electric Company. Switching means. 2,416,951; Mar. 4.

Radio Corporation of America, assignee: *See—*
  Beverage, Harold H.
  Brown, George H., and Bierwirth.
  Crosby, David R.
  Crosby, Murray G.
  Eaton, Thomas T.
  George, Ralph W.
  Goldsmith, Alfred N.
  Wolff, Irving, and Hathaway.

Ramseyer, Charles F., Old Greenwich, Conn., assignor to H. A. Brassert & Company, New York, N. Y. Reduction of magnesium. 2,416,952; Mar. 4.

Rapinwax Paper Company, assignee: *See—*
Boggs, Jesse K., and Sullivan.

Raytheon Manufacturing Company, assignee: *See—*
Brown, William C.

Razek, Joseph, Llanerch, Pa., assignor, by mesne assignments, to O. W. Storey, Wheaton, Ill., as trustee for the partnership of O. W. Storey & Associates, Chicago, Ill. Electrical telemetering system. 2,417,015; Mar. 4.

Reece, Franklin A., Brookline, Mass. Pilotage rotameter. 2,416,772; Mar. 4.

Reese, Thomas S., University Heights, assignor to The Di-Noc Manufacturing Company, Cleveland, Ohio. Ornamentation of rubber. 2,416,844; Mar. 4.

Reichel, Maximilian K., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Stabilized diazotype photoprinting. 2,416,773; Mar. 4.

Reid Brothers Company, Inc., assignee: *See—*
Woodbury, Stephen E.

Reiner, Otto, Rheinhausen-Nrh.-Hochemmerich, Germany; vested in the Attorney General of the United States. Reversing apparatus for furnaces. 2,416,953; Mar. 4.

Remmer, Herbert S., Oakland, assignor to Ted Nelson, San Leandro, Calif. Stud welding gun. 2,416,954; Mar. 4.

Reynolds, Ed.: *See—*
Shugart, Hardie L.

Richard, Charles D., West New Brighton, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone call transmitter. 2,416,715; Mar. 4.

Richard, William E., Evansville, Ind., assignor, by mesne assignments, to Seeger-Sunbeam Corporation. Refrigerator cabinet. 2,416,845; Mar. 4.

Richter, Charles, Tampa, Fla. Oscillating piston internal-combustion engine. 2,416,846; Mar. 4.

Richter, Henry J.: *See—*
Howk, Benjamin W., and Richter.

Robinson, James, assignor to Vickers Incorporated, Detroit, Mich. Hydraulic power transmission. 2,416,801; Mar. 4.

Rolls-Royce Limited, assignee: *See—*
Griffith, Alan A.

Roos, Delmar G., assignor to Willys-Overland Motors, Inc., Toledo, Ohio. Drive axle construction for independently sprung wheels. 2,417,325; Mar. 4.

Rosch, Samuel J., Yonkers, N. Y., assignor to Anaconda Wire and Cable Company. Heat-resistant electric insulation comprising rubber and chlorinated diphenyls. 2,416,955; Mar. 4.

Rosenblatt, David, North Carlton, Australia. Chuck and means for attaching tools thereto. 2,416,774; Mar. 4.

Rosenzweig, Henry G., Kirkwood, assignor to Endicott Johnson Corporation, Endicott, N. Y. Stitchdown shoe. 2,416,847; Mar. 4.

Ross, Kenneth B., Chicago, Ill. Apparatus for finishing piezoelectric crystals. 2,416,716; Mar. 4.

Rothery, James S., Ilford, England. Lifting jack. 2,416,848; Mar. 4.

Roung, Walter A., Bangor, Mich. Christmas tree holder and display device. 2,416,802; Mar. 4.

Rowe, Martin L.: *See—*
Vining, Willard F., and Rowe.

Rutherford, John T.: *See—*
Farrington, Bruce B., Clayton, and Rutherford.

Ruzicka, Leopold, Zurich, Switzerland, assignor to Ciba Pharmaceutical Products, Inc., Summit, N. J. Manufacture of unsaturated lactones of the cyclopentanopolyhydrophenanthrene series. 2,417,017; Mar. 4.

Ryan, John D.: *See—*
Erickson, Arvid M., and Ryan.

Sahyun, Melville, Detroit, Mich., assignor, by mesne assignments, to Sterling Drug Inc., Wilmington, Del. Separation of tryptophane form mixed amino acids. 2,416,956; Mar. 4.

St. Clair, Theodore A., Pontiac, Mich., assignor to Phillips Petroleum Company. High-pressure diaphragm relief valve. 2,416,855; Mar. 4.

Sarver, Emmett F., assignor of one-half to O. W. Wortman, Wichita, Kans. Cooled radiation thermocouple. 2,416,775; Mar. 4.

Scalera, Mario: *See—*
Lecher, Hans Z., Scalera, and Forster.

Schaaff, Louis W., Jackson Heights, H. Heimann, New York, and H. Wurzel, Bronx, assignors to Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Retaining ring. 2,416,852; Mar. 4.

Schaefer, Harold W., assignor to The Harry Alter Company, Chicago, Ill. Electric indicating and totalizing apparatus. 2,416,849; Mar. 4.

Schermuly, Alfred: *See—*
Schermuly, Conrad D., A., and C.

Schermuly, Charles: *See—*
Schermuly, Conrad D., A., and C.

Schermuly, Conrad D., A., and C., assignors to The Schermuly Pistol Rocket Apparatus Limited, Parkgate, Newdigate, England. Parachute and like flare. 2,416,957; Mar. 4.

Schermuly Pistol Rocket Apparatus Limited, The, assignee: *See—*
Schermuly, Conrad D., A. and C.

Schlotthauer, Herman, Chicago, Ill. Shaver. 2,416,776; Mar. 4.

Schott, Lawrence, Detroit, Mich. Rocking horse. 2,416,850; Mar. 4.

Schreiber, Richard S., and H. E. Schroeder, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Methylated methylolmelamine as a fixing agent for dyed cotton textiles. 2,416,884; Mar. 4.

Schroeder, Charles S., Philadelphia, Pa., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Lifting mechanism for industrial truck. 2,417,018; Mar. 4.

Schroeder, Herman E.: *See—*
Schreiber, Richard S., and Schroeder.

Schroeder, Herman E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Treatment of rubbery diene hydrocarbon polymers prior to the incorporation of compounding ingredients. 2,416,667; Mar. 4.

Schroeder, Herman E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Improving compounding characteristics of butadiene-1,3 copolymers by means of N-halogen amides. 2,416,668; Mar. 4.

Schweller, Edmund F., assignor to General Motors Corporation, Dayton, Ohio. Multiple temperature refrigerator. 2,416,777; Mar. 4.

Sciaky, David, assignor to Welding Research, Inc., Chicago, Ill. Circuit interrupting device with condensers. 2,416,669; Mar. 4.

Scientific Research and Development, United States of America, as represented by the Executive Secretary of the Office of, assignee: *See—*
Morrow, Charles T.

Scott, Samuel L.: *See—*
Lindsey, Richard V., Jr., and Scott.

Sears, William R., Inglewood, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Tailless airplane. 2,416,958; Mar. 4.

Sebok, Joseph B., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Air cleaner. 2,416,851; Mar. 4.

Seeger-Sunbeam Corporation, assignee: *See—*
Richard, William E.

Segal, Jacob H., Chicago, Ill., assignor to Etron Industries, Inc. Educational toy. 2,416,959; Mar. 4.

Selquist, Rolf, McKeesport, assignor to Copperweld Steel Company, Glassport, Pa. Rail bond or the like. 2,416,883; Mar. 4.

Semmler, Elmer F., Detroit, Mich. Coin controlled mechanism. 2,416,665; Mar. 4.

Shaw, Milton C., Hampton, Va., assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Mechanical activation. 2,416,717; Mar. 4.

Sherman, Donald W., Shorewood, assignor to A. O. Smith Corporation, Milwaukee, Wis. Automobile suspension. 2,417,019; Mar. 4.

Shipman, Frederic, New York, N. Y. Window mirror display. 2,416,666; Mar. 4.

Shockley, William, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pulse generator. 2,416,718; Mar. 4.

Short, Wallace F.: *See—*
Coulthard, Charles E., Short, and Michaelis.

Shugart, Hardie L., assignor of one-half to E. Reynolds, Oklahoma City, Okla. Grain unloader. 2,417,020; Mar. 4.

Signode Steel Strapping Company, assignee: *See—*
Crosby, George A., and Ericsson.

Simanek, Edward J., assignor to American Steel Foundries, Chicago, Ill. Brake. 2,416,960; Mar. 4.

Simmonds, Wayne W., assignor to Ottawa Steel Products, Incorporated, Ottawa, Kans. Power-lift attachment for tractors. 2,417,021; Mar. 4.

Sinclair Refining Company, assignee: *See—*
Watkins, Franklin M.

Skilbeck, Gerald W., Kenosha, Wis. Humidifier. 2,416,885; Mar. 4.

Smally, Emanuel C., Canton, Ohio. Incandescent lamp. 2,416,853; Mar. 4.

Smith, A. O., Corporation, assignee: *See—*
Sherman, Donald W.

Smith, Frank J., Colchester, Conn. Steel for Hawaiian guitars. 2,416,854; Mar. 4.

Societe Genevoise d'Instruments de Physique, assignee: *See—*
Turrettini, Fernand.

Socony-Vacuum Oil Company, Incorporated, assignee: *See—*
Gorin, Manuel H., and E.
Koenig, Edgar A.

Sorensen, Christian A., assignee: *See—*
Monner, Ray J.

Sperry Gyroscope Company, Inc., assignee: *See—*
Barrow, Wilmer L.

Spiegel, Jacob, Philadelphia, Pa. Landing stabilizer for aircraft. 2,416,961; Mar. 4.

Stagg, Allen, Vega, Tex. Windmill. 2,417,022; Mar. 4.

Standard Oil Company, assignee: *See—*
Arveson, Maurice H.

Standard Register Company, The, assignee: *See—*
Metzner, Albert W.

Stather-Dunn, Eustace, and F. M. Menheneott, London, assignors to Betts & Company Limited, London County, England. Making collapsible tubes. 2,416,962; Mar. 4.

Stelter, Francis C. W., New York, N. Y. Burglar alarm for cash drawers. 2,416,963; Mar. 4.

Sterling Drug Inc., assignee: *See—*
Sahyun, Melville.

Sterling Industries Limited, assignee: *See—*
Thomas, Percival E.

Stern, Louis, assignee: *See—*
Barnett, Louis.

Stevens, Clarence C., Forestville, Conn., assignor to General Motors Corporation, Detroit, Mich. Spindle mounting and driving unit. 2,416,886; Mar. 4.

Stewart-Warner Corporation, assignee: *See—*
McCollum, Henry J. DeN.
Palm, George H.

Stockdale, Harry C., Ravenna, Ohio, assignor to Food Machinery Corporation, San Jose, Calif. Spray gun. 2,416,719; Mar. 4.

Stocker, George: *See—*
Adams, Comfort A., Fetcher, and Stocker.

Storey, O. W., & Associates: *See—*
Burgess, Charles F.
Razek, Joseph.

Storey, Oliver W., trustee, assignee: *See—*
Burgess, Charles F.
Razek, Joseph.

Stroud, Charles E., Ford City, and H. Marini, New Kensington, Pa., assignors to Pittsburgh Plate Glass Company. Heated window panel. 2,416,778; Mar. 4.

Stull, John S., Chicago, Ill. Self-threading connector for articles. 2,416,964; Mar. 4.

Sullivan, George H.: *See—*
Boggs, Jesse K., and Sullivan.

Sulzer Frères, Société Anonyme, assignee: *See—*
Lieberherr, Hans.

Sundstrom, Harold C., Chicago, Ill. Clothes hanger attachment. 2,416,779; Mar. 4.

Superba Cravats, assignee: *See—*
Muhlhauser, Federick P.

Sweet, Monroe H., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Photoelectric electron multiplier tube photometer circuit. 2,417,023; Mar. 4.

Sylvania Electric Products, Inc., assignee: *See—*
Clapp, Richard H.

Tampax Incorporated, assignee: *See—*
McLaughlin, John R.

Tarpley, Raymond E.: *See—*
Williams, Albert J., Jr., Tarpley, and Johnson.

Teal, Gordon K., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrooptical device. 2,416,720; Mar. 4.

Teletype Corporation, assignee: *See—*
Grey, Victor.

Tellier, Joseph C., Drexel Hill, assignor to Philco Corporation, Philadelphia, Pa. Electrostatic meter shield. 2,416,780; Mar. 4.

Texas Company, The, assignee: *See—*
Barron, Joseph M.

Therapeutic Research Corporation of Great Britain Limited, assignee: *See—*
Coulthard, Charles E., Short, and Michaelis.

Thomas, Charles L., and Herman S. Bloch, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Isomerization of tetralin. 2,416,965; Mar. 4.

Thomas, Charles L., and Herman S. Bloch, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Isomerization of decalin. 2,416,966; Mar. 4.

Thomas, Percival E., Worcester Park, assignor to Sterling Industries Limited, London, England. Pipe coupling. 2,416,967; Mar. 4.

Thomsen, Hugo, Washington, D. C. Binder. 2,416,856; Mar. 4.

Thomson, Elihu V., Boston, assignor to Combustion Control Corporation, Cambridge, Mass. Flame failure safeguard. 2,416,781; Mar. 4.

Tibbetts Laboratories, Incorporated, assignee: *See—*
Tibbetts, Raymond W.

Tibbetts, Raymond W., assignor to Tibbetts Laboratories, Incorporated, Camden, Maine. Piezoelectric device. 2,416,887; Mar. 4.

Tide Water Associated Oil Company, assignee: *See—*
Carter, John C.

Tootal Broadhurst Lee Company Limited, assignee: *See—*
Foulds, Robinson P., and Marsh.

Trinkel, Benjamin H., Providence, R. I. Sleeping garment trousers. 2,416,857; Mar. 4.

Triplett Electrical Instrument Company, The, assignee: *See—*
Lingel, Frederick J.

Tucker, Warren R., Dayton, and W. Ernst, Mount Gilead, Ohio, assignors to H-P-M Development Corp., Wilmington, Del. Hydraulic testing apparatus. 2,416,858; Mar. 4.

Tuerck, Karl H. W., Banstead, and H. J. Lichtenstein, London, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. Manufacture of acrolein oxime and acrylonitrile. 2,417,024; Mar. 4.

Turbolite Company, assignee: *See—*
Volpin, Alexander S.

Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread control mechanism for weft replenishing looms. 2,416,803; Mar. 4.

Turrettini, Fernand, assignor to Societe Genevoise d'Instruments de Physique, Geneva, Switzerland. Stroboscopic device for determining electrically the positions of objects. 2,416,968; Mar. 4.

Twentieth Century-Fox Film Corporation, assignee: *See—*
Hulburt, George D.

Ulrich, Frederick, Hoskins, Nebr. Seeding machine discharger. 2,416,804; Mar. 4.

Ulvick, George, assignee: *See—*
Fischer, Howard L.

Uncas Manufacturing Company, assignee: *See—*
Barbieri, Nicholas.

Underkofler, Leland A.: *See—*
Fulmer, Ellis I., Underkofler, and Hickey.

United Shoe Machinery Corporation, assignee: *See—*
Miner, George A.
Walker, Myrl M.

Universal Atlas Cement Company, assignee: *See—*
Kocher, Daniel W.

Universal Oil Products Company, assignee: *See—*
Thomas, Charles L., and Bloch.

Upson, Charles A., assignor to The Upson Company, Lockport, N. Y. Apparatus and making resinous artificial board. 2,416,721; Mar. 4.

Upson Company, The, assignee: *See—*
Upson, Charles A.

Valish, Paul, Waterbury, Conn. Adjustable V-block. 2,416,782; Mar. 4.

Vallières, Lucien, Sherbrooke, Quebec, Canada. Collapsible valise. 2,416,783; Mar. 4.

Van Norman Company, assignee: *See—*
Healy, Francis P., and Allen.

Vickers Incorporated, assignee: *See—*
Robinson, James.

Vining, Willard F., Chicago, and M. L. Rowe, Oak Park, Ill., assignors to Gerrard Steel Strapping Company. Automatic wire tying machine. 2,416,859; Mar. 4.

Vogeley, Raymond A., assignee, et al.: *See—*
Dowling, Clinton.

Volpin, Alexander S., assignor to Knud I. Bruun, doing business as Turbolite Company, Houston, Tex. Hammerlock union. 2,417,025; Mar. 4.

Von Meyenburg, Harald: *See—*
Hartmann, Max, and von Meyenburg.

Wabash Fibre Box Company, The, assignee: *See—*
Miller, Andrew E.

Waldes Koh-I-Noor, Inc., assignee: *See—*
Schaaff, Louis W., Heimann, and Wurzel.

Waldie, George A., Marengo, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del. Valve for hydraulic circuits. 2,416,722; Mar. 4.

Waldie, George A., Edison, Ohio, assignor to The Hydraulic Development Corporation, Inc., Wilmington, Del. Remote control for hydraulic systems. 2,416,860; Mar. 4.

Walker, Myrl M., Auburn, N. Y., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe sole sewing machine. 2,416,784; Mar. 4.

Walker, Nevilles E., Portland, Oreg. Manipulatable toy airplane. 2,416,805; Mar. 4.

Wall, Alexander C.: *See—*
Brady, Robert L., and Wall.

Walter, William H., Lima, Ohio. Filling for and treatment of fractured masonry walls. 2,417,026; Mar. 4.

Waranch, Theodore M., assignor to The Comfy Manufacturing Company, Baltimore, Md. Slip cover. 2,416,806; Mar. 4.

Warmisham, Arthur, and C. G. Wynne, Leicester, England. Optical objective. 2,416,969; Mar. 4.

Wassmer, Albert, Geneva, assignor to The firm Pan A.-G., Glarus, Switzerland. Electric contact device. 2,416,970; Mar. 4.

Watkins, Franklin M., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Lubricant. 2,416,807; Mar. 4.

Watson, Edward F., Larchmont, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph system. 2,416,723; Mar. 4.

Weinmayr, Viktor, Pitman, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing chlorinated anthraquinones. 2,417,027; Mar. 4.

Weiss, Oscar, Johannesburg, Transvaal, Union of South Africa. Apparatus for measuring the density of liquids. 2,416,808; Mar. 4.

Welch, Douglas F., and K. J. R. Wilkinson, Rugby, England, assignor to General Electric Company. Ignition system. 2,416,971; Mar. 4.

Welch, William E. D., Rome, Ga., assignor, by mesne assignments, to Celanese Corporation of America. Bobbin arbor. 2,416,785; Mar. 4.

Welding Apparatus Company, assignee: *See—*
Madson, Harold R.

Welding Research, Inc., assignee: *See*—
Sciaky, David.

Wells, Franklin B., Verona, N. J., assignor to Ellis-Foster Company. Process for the treatment of metal surfaces and product thereof. 2,417,028; Mar. 4.

Wentworth, Pearl J., Fort Thomas, Ky. Manufacturing shoe soles and the like. 2,416,888; Mar. 4.

Western Electric Company, Incorporated, assignee: *See*—
Gauthier, Marcel C.
Goddard, Charles T.

Westinghouse Electric Corporation, assignee: *See*—
Blackburn, John L.

Whaley, Thomas H., Bartlesville, Okla., assignor to Phillips Petroleum Company. Fractionation apparatus. 2,416,724; Mar. 4.

White, Harry B., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,416,786; Mar. 4.

White, Ira M., Oakland, assignor to The Pelton Water Wheel Company, San Francisco, Calif. Valve. 2,416,787; Mar. 4.

Wilkinson, Kenneth J. R.: *See*—
Welch, Douglas F., and Wilkinson.

Williams, Albert J., Jr., R. E. Tarpley, and N. C. Johnson, assignors to Leeds and Northrup Company, Philadelphia, Pa. Multiple contact switch. 2,416,972; Mar. 4.

Williamson, Marshall I., New Haven, Conn., assignor, by mesne assignments, to National Folding Box Company, Incorporated. Multiple blank paperboard container. 2,416,725; Mar. 4.

Wilson, Golder P., Alton, Ill., assignor to Olin Industries, Inc. Electric induction heating apparatus for continuously heating a plurality of metal strips. 2,417,029; Mar. 4.

Wilson, Golder P., and L. E. Goff, Alton, Ill., assignors to Olin Industries, Inc. Electric induction furnace for continuously heating metal strips. 2,417,030; Mar. 4.

Witherell, Arthur E., Westhampton, Mass. Tractor boom. 2,417,031; Mar. 4.

Wolff, Irving, Merchantville, N. J., and J. L. Hathaway, Manhasset, N. Y., assignors to Radio Corporation of America. Electric altimeter. 2,417,032; Mar. 4.

Wolff, Irving, Princeton, N. J., and J. L. Hathaway, Manhassett, N. Y., assignors to Radio Corporation of America. Altimeter. 2,417,033; Mar. 4.

Wood, Frank J.: *See*—
Leroy, Louis, and Wood.

Woodbury, Stephen E., assignor to Reid Brothers Company, Inc., Beverly, Mass. Table reversing mechanism for grinding machines. 2,416,861; Mar. 4.

Worthington Pump and Machinery Corporation, assignee: *See*—
Lawler, Matthew M., and Bahler.

Wortman, O. W., assignee: *See*—
Sarver, Emmett F.

Wright, George T., Fort Wayne, Ind., assignor to General Electric Company. Centrifugal switch. 2,416,973; Mar. 4.

Wright, Harold R., and W. J. Donaldson, assignors to Imperial Chemical Industries Limited. Manufacture of mono-nitration products of toluene. 2,416,974; Mar. 4.

Wurzel, Hugo: *See*—
Schaaff, Louis W., Heimann, and Wurzel.

Wynne, Charles G.: *See*—
Warmisham, Arthur, and Wynne.

Yale & Towne Manufacturing Company, The, assignee: *See*—
Schroeder, Charles S.

Younker, Mortimer A., Cragmere, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Butadiene emulsion polymerization in the presence of water soluble complex metal cyanides. 2,417,034; Mar. 4.

Zeidler, Reinhold C., Detroit, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Clutch cover and operating lever assembly. 2,417,035; Mar. 4.

Zelenko, Robert B., New York, N. Y. Automobile hanger. 2,417,036; Mar. 4.

Zuckerman, Joseph S., assignor to Mell-O-Chime and Signal Corporation, Chicago, Ill. Electric chime signal. 2,417,037; Mar. 4.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 4TH DAY OF MARCH, 1947

Note.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Illuminating unit for optical projectors. R. S. Wilder. Re. 22,848; Mar. 4.

Lubricants, Stabilized. N. D. Williams and W. J. Backoff. Re. 22,849; Mar. 4.

LIST OF PLANT INVENTIONS

Apple tree. A. F. Etter. 723; Mar. 4.

Crab apple tree. A. F. Etter. 724; Mar. 4.

LIST OF DESIGN INVENTIONS

Alphabet. A. G. Giegold, Jr. 146,430; Mar. 4.

Bottle, Glass. T. Scott. 146,435; Mar. 4.

Frame, Bicycle. W. H. Taylor. 146,436–7; Mar. 4.

Gameboard. E. Edwards. 146,429; Mar. 4.

Handle for electric iron. J. N. Polivka and F. Collura. 146,433; Mar. 4.

Penholder or similar article. H. O. Sandberg. 146,434; Mar. 4.

Pin or similar article, Brooch. A. Axel. 146,425; Mar. 4.

Putter head. S. N. Liolich. 146,431; Mar. 4.

Shoe. E. O. Pielens. 146,432; Mar. 4.

Shoe. L. C. Tullgren. 146,438; Mar. 4.

Thermometer. R. C. Wappner. 146,439–41; Mar. 4.

Toy dog. M. Berger. 146,426; Mar. 4.

Toy, Floating. J. H. Wright. 146,442; Mar. 4.

Toy horse. M. Berger. 146,427; Mar. 4.

Toy rabbit. M. Berger. 146,428; Mar. 4.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 4TH DAY OF MARCH, 1947

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acidic solution of a partially polymerized melamine-formaldehyde condensation product in an aqueous aliphatic polyhydric alcohol solvent. J. D. Pollard. 2,417,014; Mar. 4.
Acrolein oxime and acrylonitrile, Manufacture of. K. H. Turck and H. J. Lichtenstein. 2,417,024; Mar. 4.
Acylsulfonamides, Manufacture of. H. Martin, F. Häflinger, and O. Neracher. 2,417,006; Mar. 4.
Aerial mine. M. P. Laughlin. 2,416,877; Mar. 4.
Agent for dyed cotton textiles, Methylated methylolmelamine as a fixing. R. S. Schreiber and H. E. Schroeder. 2,416,884; Mar. 4.
Air cleaner. J. B. Sebok. 2,416,851; Mar. 4.
Airplane, Tailless. W. R. Sears. 2,416,958; Mar. 4.
Alarm for cash drawers, Burgler. F. C. W. Stelter. 2,416,963; Mar. 4.
Alcohol insolubilized with chlorinated polymeric ethers, Polyvinyl. C. W. Mortenson. 2,416,880; Ma . 4.
Alkaline earth sulphonates, Manufacture of. J. C. Carter. 2,416,818; Mar. 4.
Alternating current bus bar construction. C. A. Adams, J. R. Fetcher, and G. Stocker. 2,416,670; Mar. 4.
Altimeter. I. Wolff and J. L. Hathaway. 2,417,033; Mar. 4.
Altitude compensating heating system. H. J. DeN. McCollum. 2,416,935; Mar. 4.
Amplifier, Radio transmitter. D. L. Hings. 2,416,831; Mar. 4.
Antenna system, Horn. A. C. Beck and H. T. Friis. 2,416,675; Mar. 4.
Apparatus for coating paper. W. H. Barrett and B. K. Asdell. 2,416,789; Mar. 4.
Apparatus for continuously heating a plurality of metal strips, Electric induction heating. G. P. Wilson. 2,417,029; Mar. 4.
Apparatus for drying webs. B. Offen. 2,417,011; Mar. 4.
Apparatus for finishing piezoelectric crystals. K. B. Ross. 2,416,716; Mar. 4.
Apparatus for furnaces, Reversing. O. Reiner. 2,416,953; Mar. 4.
Apparatus for handling welding rods or the like. W. E. Hardy. 2,416,690; Mar. 4.
Apparatus for making accreted fibrous products. R. H. Curtis. 2,416,680; Mar. 4.
Apparatus for making resinous artificial board. C. A. Upson. 2,416,721; Mar. 4.
Apparatus for measuring the density of liquids. O. Weiss. 2,416,808; Mar. 4.
Apparatus for radio direction finding and indicating. P. Adorjan. 2,416,727; Mar. 4.
Applicator. A. M. Mazzarelli. 2,416,705; Mar. 4.
Artificial limb. E. C. Carter. 2,416,817; Mar. 4.
Assembly system for stores, Article. P. M. Farmer. 2,416,870; Mar. 4.
Atomizer. J. Fletcher. 2,416,685; Mar. 4.
Attachment for tractors, Power-lift. W. W. Simmonds. 2,417,021; Mar. 4.
Attemperator. E. G. Bailey. 2,416,674; Mar. 4.
Automatic control for gravimetric feeders by the weight of the material in the supply container. E. E. Harper. 2,416,994; Mar. 4.
Automatic wire tying machine. W. F. Vining and M. L. Rowe. 2,416,859; Mar. 4.
Automobile hanger. R. B. Zelenko. 2,417,036; Mar. 4.
Bacteriostatic substances. C. E. Coulthard, W. F. Short and R. Michaelis. 2,416,821; Mar. 4.
Bag. L. Campagnano. 2,416,816; Mar. 4.
Bag. W. J. Geimer. 2,416,747; Mar. 4.
Battery. G. W. James. 2,416,755; Mar. 4.
Beading. W. C. Ferguson. 2,416,798; Mar. 4.
Bed for use in knitting machines, Needle. A. Morgenstern 2,416,938; Mar. 4.
Bicycle generator. M. Katcher and N. C. Greene. 2,416,833; Mar. 4.
Binder. H. Thomsen. 2,416,856; Mar. 4.
Blind-stitch machine. C. W. Mueller. 2,416,941; Mar. 4
Blocker and coil handling device. L. Leroy and F. J. Wood. 2,417,001; Mar. 4.
Bobbin arbor. W. E. D. Welch. 2,416,785; Mar. 4.
Boring bar guiding mechanism. F. P. Healy and E. A. Allen. 2,416,996; Mar. 4.
Bottle and holder, Babys' milk. T. Bailey. 2,416,812; Mar. 4.
Bottle carrier. C. D. Keith and J. F. O'Brien. 2,416,999; Mar. 4.
Brake. E. J. Simanek. 2,416,960; Mar. 4.
Brake arrangement. J. H. Coombes. 2,416,820; Mar. 4
Brake arrangement. C. L. Eksergian. 2,416,869; Mar. 4.
Brush, Fountain. H. L. Fischer. 2,416,684; Mar. 4.
Burner: *See*—
  Oil burner.
Butadiene emulsion polymerization in the presence of water soluble complex metal cyanides. M. A. Youker. 2,417,034; Mar. 4.
Cabinet: *See*—
  Refrigerator cabinet.
Cable: *See*—
  Electric cable.
Calculating device. J. S. Compton. 2,416,793; Mar. 4.
Cap for tube fittings, Closure. E. C. Hartley. 2,416,829; Mar. 4.
Carburetor. M. E. Chandler. 2,416,907; Mar. 4.
Carrier: *See*—
  Bottle carrier.
Carton folding mechanism. A. E. Gnoerk. 2,416,748; Mar. 4.
Casing for piezoelectric crystals. W. E. Kuenstler. 2,416,876; Mar. 4.
Catalyst technique. M. H. Arveson. 2,416,729; Mar. 4.
Cells for pH measurements. G. A. Perley and J. B. Godshalk. 2,416,949; Mar. 4.
Cellulose solution and method of making the same. F. C. Hewitt and C. R. Cayen. 2,416,998; Mar. 4.
Centrifugal switch. G. T. Wright. 2,416,973; Mar. 4.
Charge forming device. M. E. Chandler. 2,416,906; Mar. 4.
Chlorinated anthraquinones, Preparing. V. Weinmayr. 2,417,027; Mar. 4.
Chuck and means for attaching tools thereto. D. Rosenblatt. 2,416,774; Mar. 4.
Circuit: *See*—
  Transmission line bridge circuit.
Circuit for cross bar telephone systems, Marker. O. Myers. 2,416,710; Mar. 4.
Circuit interrupting device with condensers. D. Sciaky. 2,416,669; Mar. 4.
Circuits, Photoelectric electron multiplier tube photometer. M. H. Sweet. 2,417,023; Mar. 4.
Circuits, Voltage regulating. A. J. Irish and D. G. Lindsay. 2,416,922; Mar. 4.
Circulating and conditioning device, Air. W. R. Mobley. 2,417,010; Mar. 4.
Cleaner: *See*—
  Air cleaner.
  Suction cleaner.
Closure of polynuclear quinones with tetrachlorides or tatrabromides of titanium or zirconium, Ring. H. Z. Lecher, M. Scalera, and W. S. Forster. 2,416,931; Mar. 4.
Clothes hanger attachment. H. C. Sundstrom. 2,416,779; Mar. 4.
Coating with thermoplastic material. B. C. Miller. 2,417,009; Mar. 4.
Coffee, Concentrating. H. A. Noyes. 2,416,945; Mar. 4.
Coin controlled mechanism. E. F. Semmler. 2,416,665; Mar. 4.
Comb. W. J. Mims. 2,416,704; Mar. 4.
Compound dielectric material and manufacturing the same. K. H. Barnard, J. C. Balsbaugh, and M. J. Blackwood. 2,416,892; Mar. 4.
Compounding characteristics of butadiene-1,3 copolymers by means of n-halogen amides, Improving. H. E. Schroeder. 2,416,668; Mar. 4.
Concrete, Refractory. D. W. Kocher. 2,416,701; Mar. 4.
Connecter: *See*—
  Quick release parachute harness connecter.
Connector: *See*—
  Quick release parachute harness connector.
Connector for articles, Self-threading. J. S. Stull. 2,416,964; Mar. 4.
Connector for conductor wires. J. Nicolazzo. 2,416,943; Mar. 4.
Container: *See*—
  Multiple blank paperboard container.
Container. C. Barbieri. 2,416,813; Mar. 4.
Container construction. L. W. Hills. 2,416,693; Mar. 4.
Containers, Making. D. E. Grove. 2,416,993; Mar. 4.
Control for combustion apparatus, Fuel supply and ignition. J. W. Miller and R. E. Fell. 2,416,766; Mar. 4.
Control mechanism for weft replenishing looms, Thread. R. G. Turner. 2,416,803; Mar. 4.
Converter and fluid coupling, Hydraulic turbine type torque. V. H. Pavlecka. 2,416,948; Mar. 4.

Conveying means. C. B. Lynch. 2,416,763; Mar. 4.
Counterbalance for ramps and like pivoted members. A. Hicks. 2,416,752; Mar. 4.
Coupling: *See*—
  Pipe coupling.
Cover: *See*—
  Slip cover.
Cover and operating lever assembly, Clutch. R. C. Zeidler. 2,417,035; Mar. 4.
Cowling fastener. A. M. Gorfin. 2,416,873; Mar. 4.
Cuff for babies, Hand covering. B. Moller. 2,416,800; Mar. 4.
Decalcomania and making. B. Asnes. 2,416,673; Mar. 4.
Decalin, Isomerization of. C. L. Thomas and H. S. Bloch. 2,416,966; Mar. 4.
Device for determining electrically the positions of objects, Stroboscopic. F. Turrettini. 2,416,968; Mar. 4.
Device for measuring and dispensing granular and puverulent materials. T. Bailey. 2,416,811; Mar. 4.
Discharge device, Gaseous. K. H. Kingdon and E. J. Lawton. 2,416,927; Mar. 4.
Discharge pressure controlled hydraulically operated dispensing pump. G. H. Palm. 2,416,947; Mar. 4.
Discharger, Feeding machine. F. Ulrich. 2,416,804; Mar. 4.
Disk, Harrow. W. H. Farr. 2,416,742; Mar. 4.
Dispensing device, Concealed lubricant. K. S. Clapp. 2,416,819; Mar. 4.
Display device, Collapsible cardboard. J. V. Horr. 2,416,754; Mar. 4.
Display stand. H. H. Moreton. 2,416,879; Mar. 4.
Distributor, Fertilizer. C. A. Breeze. 2,416,898; Mar. 4.
Diverting switch. F. W. Borse and H. S. Hermanson. 2,416,814; Mar. 4.
Dolly. W. H. Ferguson. 2,416,916; Mar. 4.
Draft gear. E. P. Kinne. 2,416,928; Mar. 4.
Draft regulator. J. W. Miller. 2,416,765; Mar. 4.
Drill support. F. De Curtis. 2,416,912; Mar. 4.
Drum for forming cotton and the like, Compression. J. R. McLaughlin. 2,416,706; Mar. 4.
Duster, Powder. C. W. Hawthorne. 2,416,920; Mar. 4.
Ebullition in liquefied gases, Producing. N. M. Jones. 2,416,924; Mar. 4.
Electric altimeter. I. Wolff and J. L. Hathaway. 2,417,032; Mar. 4.
Electric cable. J. C. Burley. 2,416,979; Mar. 4.
Electric chime signal. J. S. Zuckerman. 2,517,037; Mar. 4.
Electric contact device. A. Wassmer. 2,416,970; Mar. 4.
Electric iron. E. A. Farr. 2,416,984; Mar. 4.
Electric switch. R. L. Brady and A. C. Wall. 2,416,897; Mar. 4.
Electrical circuit making and breaking devices. E. S. Buckley. 2,416,736; Mar. 4.
Electrical telemetering system. J. Razek. 2,417,015; Mar. 4.
Electrode holder. F. J. Nowicke. 2,416,841; Mar. 4.
Electron discharge device. T. T. Eaton. 2,416,914; Mar. 4.
Electron discharge device. C. T. Goddard. 2,416,799; Mar. 4.
Electron discharge device. J. R. Pierce. 2,416,714; Mar. 4.
Electronic discharge device of the magnetron type. W. C. Brown. 2,416,899; Mar. 4.
Electronic ratio bridge system repeater. A. W. Borsum. 2,416,678; Mar. 4.
Electrooptical device. G. K. Teal. 2,416,720; Mar. 4.
Engine: *See*—
  Multicylinder opposed-piston internal combustion engine.
  Oscillating piston internal-combustion engine.
Esters of methacrylic acid, Continuous production of. L. T. Jilk. 2,416,756; Mar. 4.
Excavator apparatus. F. A. Gallaher. 2,416,826; Mar. 4.
Fabric in multicolor, Decoration of. F. C. Hewitt. 2,416,997; Mar. 4.
Fastener: *See*—
  Cowling fastener.
Feeder and exerciser. C. Dowling. 2,416,825; Mar. 4.
Fibers and foils, Manufacture of. J. Amende and W. Ender. 2,416,890; Mar. 4.
Filter elements, Supporting and carrying. E. A. Koenig. 2,417,000; Mar. 4.
Firearm chamber loading indicator. W. M. Parker. 2,416,712; Mar. 4.
Fish bait or lure, Artificial. J. S. Kuslich. 2,416,834; Mar. 4.
Fixture, Crystal indexing. W. P. Marshall. 2,416,703; Mar. 4.
Fluid cooling apparatus. M. M. Lawler and P. F. Bahler. 2,416,760; Mar. 4.
Fluid pressure motor. J. E. Morton. 2,416,940; Mar. 4.
Fluorescent material. R. H. Clapp. 2,417,038; Mar. 4.
Flush-type door latch. W. R. Andrews. 2,416,889; Mar. 4.
Footpad. J. C. Day. 2,416,823; Mar. 4.
4-aminobenzene - N^{1}-(3′:4′-dimethylbenzoyl)-sulfonamide, Manufacture of. H. Martin and O. Neracher. 2,417,004; Mar. 4.
Fractionation apparatus. T. H. Whaley. 2,416,724; Mar. 4.
Frame and support, Picture. N. Barbieri. 2,416,976; Mar. 4.
Froth flotation of phosphate ore. B. D. Crawford and D. W. Jayne, Jr. 2,416,909; Mar. 4.
Fuel injection system for internal-combustion engines. E. Dodson. 2,416,797; Mar. 4.
Furnace: *See*—
  Heat-treating furnace.
Furnace for continuously heating metal strips, Electric induction. G. P. Wilson and L. E. Goff. 2,417,030; Mar. 4.
Garment. H. C. Lallmang. 2,416,930; Mar. 4.
Garment hanger. L. B. Harris and V. R. Pascale. 2,416,750; Mar. 4.
Gas, Combined steam and combustion. B. F. Newcomer. 2,416,942; Mar. 4.
Gate for skip car charging chutes. C. R. Duke. 2,416,740; Mar. 4.
Gear: *See*—
  Draft gear.
Gear of the suspended eccentric rod type, Engine shaft actuated locomotive valve. S. D. Dekle. 2,416,982; Mar. 4.
Gear pumping mechanism. F. E. Fleischer. 2,416,987; Mar. 4.
Generator: *See*—
  Bicycle generator.
  Pulse generator.
Gland, Packing. M. A. Gleeson. 2,416,917; Mar. 4.
Glass press mold turning device. A. H. Forgar. 2,416,743; Mar. 4.
Glycerol production, Fermentative. E. I. Fulmer, L. A. Underkofler, and R. J. Hickey. 2,416,745; Mar. 4.
Gun, Spray. A. F. Jenkins. 2,416,923; Mar. 4.
Gun, Spray. H. C. Stockdale. 2,416,719; Mar. 4.
Gun, Stud welding. H. S. Remmer. 2,416,954; Mar. 4.
Halogen containing linear polymers, Curing. R. V. Lindsey, Jr., and S. L. Scott. 2,416,878; Mar. 4.
Hammer-lock union. A. S. Volpin. 2,417,025; Mar. 4.
Handbag. W. B. Crane. 2,416,822; Mar. 4.
Hand brake arrangement. P. W. Gaenssle. 2,416,871; Mar. 4.
Hanger: *See*—
  Automobile hanger.
  Garment hanger.
Harvester with vine lifter, Potato. H. E. Miller. 2,416,937; Mar. 4.
Heat-treating furnace. Y. R. Cornelius. 2,416,908; Mar. 4.
Helmet, Welder's. H. R. Madson. 2,416,764; Mar. 4.
Helmet with flexible inner wall, Hair drying. A. M. Andrews. 2,416,788; Mar. 4.
High-pressure diaphragm relief valve. T. A. St. Clair. 2,416,855; Mar. 4.
Holder: *See*—
  Electrode holder.
Holder and display device, Christmas tree. W. A. Roung. 2,416,802; Mar. 4.
Holder and fly tying vise, Fishing rod. G. L. Hamre. 2,416,828; Mar. 4.
Hollow milling machine. V. Grey. 2,416,749; Mar. 4.
Hub, Changeable pitch airscrew. D. R. MacAlpin. 2,417,003; Mar. 4.
Humidifier. G. W. Skilbeck. 2,416,885; Mar. 4.
Hydraulic jack. R. H. Dobbs. 2,416,796; Mar. 4.
Hydraulic testing apparatus. W. R. Tucker and W. Ernst. 2,416,858; Mar. 4.
Hydrocarbon conversion system, Multistage. M. H. Arveson. 2,416,730; Mar. 4.
Hydrocarbons, Combined hydrogenation and dehydrogenation of. J. M. Barron. 2,416,894; Mar. 4.
Ignition system. D. F. Welch and K. J. R. Wilkinson. 2,416,971; Mar. 4.
Impregnating filter material, Method and apparatus for. S. M. Jessop and H. E. Dyer. 2,416,695; Mar. 4.
Imprinting machine. A. W. Metzner. 2,416,707; Mar. 4.
Incandescent lamp. E. C. Smally. 2,416,853; Mar. 4.
Indicating and totalizing apparatus, Electric. H. W. Schaefer. 2,416,849; Mar. 4.
Indicator: *See*—
  Firearm chamber loading indicator.
  Transmission line volting indicator.
Ink, Printing. D. J. Bernardi and R. T. Florence. 2,416,676; Mar. 4.
Insulation comprising rubber and chlorinated diphenyls, Heat resistant electric. S. J. Rosch. 2,416,955; Mar. 4.
Iron: *See*—
  Electric iron.
Iron-graphite contact. J. F. Heuberger. 2,416,830; Mar. 4.
Jack: *See*—
  Hydraulic jack.
  Lifting jack.
Key and coin purse, Pocket. L. Barnett. 2,416,782; Mar. 4.
Knife, Linoleum. B. Del Debbio and W. Lister. 2,416,913; Mar. 4.
Lactones of the cyclopentanopolyhydrophenanthrene series, Manufacture of unsaturated. L. Ruzicka. 2,417,017; Mar. 4.
Lamp: *See*—
  Incandescent lamp.
Lamp and controlling means therefor, Electric discharge. W. J. Harris. 2,416,751; Mar. 4.

Latch: *See—*
  Flush-type door latch.
Lifting jack. J. S. Rothery. 2,416,848; Mar. 4.
Load carrying structure for tractors. C. C. Baldwin. 2,416,731; Mar. 4.
Loading machine, Portable. E. Barker. 2,416,893; Mar. 4.
Lock and signal circuit control with emergency release, Electro-manual railroad switch. O. S. Field and R. W. Hewes. 2,416,986; Mar. 4.
Lubricant. F. M. Watkins. 2,416,807; Mar. 4.
Machine for forming and winding fin strips. W. B. Bronander. 2,416,865; Mar. 4.
Machine for peeling potatoes, Abrading. J. Meyer. 2,416,837; Mar. 4.
Machine for textile fibers, Combing. J. W. Nasmith. 2,416,840; Mar. 4.
Machine gun cooling means. R. J. Monner. 2,416,768; Mar. 4.
Magnesium, Reduction of. C. F. Ramseyer. 2,416,952; Mar. 4.
Magnetic focusing device. E. M. Fry. 2,416,687; Mar. 4.
Magnetic inspection. T. de Forest. 2,416,824; Mar. 4.
Magnetic materials for electromagnetic coils, Making cores of. M. C. Gauthier. 2,416,989; Mar. 4.
Mailbox. A. E. Johnson. 2,416,696; Mar. 4.
Manipulator, Drill pipe. I. X. Calhoun. 2,416,815; Mar. 4.
Measuring instrument, Electrical. F. J. Lingel. 2,416,835; Mar. 4.
Mechanical activation. M. C. Shaw. 2,416,717; Mar. 4.
Mechanism for grinding machines, Table reversing. S. E. Woodbury. 2,416,861; Mar. 4.
Mechanism for industrial truck, Lifting. C. S. Schroeder. 2,417,018; Mar. 4.
Mechanisms for calculating machines, Selective normalizing. H. T. Avery. 2,416,809; Mar. 4.
Metal surfaces and product thereof, Treatment of. F. B. Wells. 2,417,028; Mar. 4.
Metallic vapors, Method and apparatus for condensing. T. Griswold, Jr., and T. H. McConica, III. 2,416,992; Mar. 4.
Mill and operating same, including discharging, Tube. F. J. Gavin. 2,416,746; Mar. 4.
Mineral oil, Compounded. B. B. Farrington, J. O. Clayton, and J. T. Rutherford. 2,416,985; Mar. 4.
Mixing and distributing apparatus, Concrete. D. C. Porter. 2,416,771; Mar. 4.
Modulation receiver, Phase or amplitude. M. G. Crosby. 2,416,795; Mar. 4.
Mold-blanketing material. A. U. McGill. 2,416,836; Mar. 4.
Mono-nitration products of toluene, Manufacture of. H. R. Wright and W. J. Donaldson. 2,416,974; Mar. 4.
Motor: *See—*
  Fluid pressure motor.
Motor braking system, Current controlled polyphase induction. E. Pell. 2,417,012; Mar. 4.
Mounting and driving unit, Spindle. C. C. Stevens. 2,416,886; Mar. 4.
Multicylinder opposed-piston internal combustion engine. H. Lieberherr. 2,416,762; Mar. 4.
Multiple blank paperboard container. M. I. Williamson. 2,416,725; Mar. 4.
Multiple contact switch. A. J. Williams, Jr., R. E. Tarpley, and N. C. Johnson. 2,416,972; Mar. 4.
N-substituted amides of beta-keto-carboxylic acids, Preparation of. F. W. Cashion. 2,416,738; Mar. 4.
Nail straightening machine. G. D. Hulburt. 2,416,832; Mar. 4.
Necktie. F. P. Muhlhauser. 2,416,839; Mar. 4.
Nozzle, Faucet spray. H. W. Budan. 2,416,737; Mar. 4.
Oil burner. D. P. Litzenberg. 2,416,932; Mar. 4.
Oil reclaimer, Absorption. C. O. Meyers. 2,417,007; Mar. 4.
Optical compensator. J. F. Leventhal. 2,417,002; Mar. 4.
Optical objective. A. Warmisham and C. G. Wynne. 2,416,969; Mar. 4.
Oscillating piston internal-combustion engine. C. Richter. 2,416,846; Mar. 4.
P-aminobenzene sulfone-N_1-acylamides, Manufacture of. H. Martin and F. Häfliger. 2,417,005; Mar. 4.
Package-binding tool support. G. A. Crosby and A. I. Ericsson. 2,416,910; Mar. 4.
Paper, Greaseproof. J. K. Boggs and G. H. Sullivan. 2,416,734; Mar. 4.
Para-aminobenzene-sulfonylguanidine, Manufacture of. M. Hartmann and H. von Meyenburg. 2,416,995; Mar. 4.
Parachute and like flare. C. D., A., and C. Schermuly. 2,416,957; Mar. 4.
Parking device. A. Miller. 2,416,838; Mar. 4.
Patterning mechanism. J. E. Lynam and P. G. McCarthy. 2,416,933; Mar. 4.
Pen, Fountain. F. M. Pisculli. 2,416,770; Mar. 4.
Photographic attachment for firearms. C. O. Palmer. 2,416,769; Mar. 4.
Photoprinting materials, Stabilized diazotype. M. K. Reichel. 2,416,773; Mar. 4.
Piezoelectric device. R. W. Tibbetts. 2,416,887; Mar. 4.
Pinene resin, Hydrogenating. W. H. Carmody. 2,416,901–2; Mar. 4.
Pipe coupling. P. E. Thomas. 2,416,967; Mar. 4.
Pivoted means for directing drying gas into the interior of hollow articles. H. D. Lathrop. 2,416,759; Mar. 4.
Pocketknife. B. M. Kjorsvik. 2,416,929; Mar. 4.
Pressure regulating valve. M. L. Osborn. 2,416,881; Mar. 4.
Printing control means for cash registers. E. C. Carter and C. G. Dudis. 2,416,792; Mar. 4.
Propulsion mechanism. T. M. Grady. 2,416,689; Mar. 4.
Pulse generator. W. Shockley. 2,416,718; Mar. 4.
Pump: *See—*
  Discharge pressure controlled hydraulically operated dispensing pump.
Pump for internal-combustion engines, Electromagnetic. J. B. Parsons. 2,416,843; Mar. 4.
Pump operating means for removing boundary layer from airplane wings, Suction. A. A. Griffith. 2,416,991; Mar. 4.
Quick release parachute harness connector. L. M. Johnston. 2,416,757; Mar. 4.
Radiation and reception of microwaves. A. P. King. 2,416,698; Mar. 4.
Radioactivity, Apparatus and method for recording borehole. S. Krasnow. 2,416,702; Mar. 4.
Radio distance measuring apparatus. G. B. Eltgroth. 2,416,741; Mar. 4.
Radio receiver system. H. H. Beverage. 2,416,791; Mar. 4.
Rail bond or the like. R. Selquist. 2,416,883; Mar. 4.
Rails and mold therefor, Preheating welding. E. F. Begtrup. 2,416,863; Mar. 4.
Receiver, Carrier-exalted. M. G. Crosby. 2,416,911; Mar. 4.
Receiver for nut removing tools. B. Parizo. 2,416,882; Mar. 4.
Reclosing-relays, Internal-fault selective. J. L. Blackburn. 2,416,677; Mar. 4.
Reel: *See—*
  Wire take-up reel.
Refractory concrete. D. W. Kocher. 2,416,700; Mar. 4.
Refrigerator cabinet. W. E. Richard. 2,416,845; Mar. 4.
Refrigerator, Multiple temperature. E. F. Schweller. 2,416,777; Mar. 4.
Regulator: *See—*
  Draft regulator.
Relays, Alternating current. E. Dickten, Jr. 2,416,681; Mar. 4.
Remote control for hydraulic systems. G. A. Waldie. 2,416,860; Mar. 4.
Resin, Hydrogenating coumarone-indene. W. H. Carmody. 2,416,903–5; Mar. 4.
Resistors, Coating wire-wound electrical. B. C. Bricker. 2,416,864; Mar. 4.
Retaining ring. L. W. Schaaff, H. Heimann, and H. Wurzel. 2,416,852; Mar. 4.
Ring: *See—*
  Retaining ring.
Rocking horse. L. Schott. 2,416,850; Mar. 4.
Rotameter, Pilotage. F. A. Reece. 2,416,772; Mar. 4.
Rubber, Ornamentation of. T. S. Reese. 2,416,844; Mar. 4.
Rubbery diene hydrocarbon polymers prior to the incorporation of compounding ingredients. H. E. Schroeder. 2,416,667; Mar. 4.
Saddle, Turkey. H. L. Abramson. 2,416,726; Mar. 4.
Safeguard, Flame failure. E. C. Thomson. 2,416,781; Mar. 4.
Scaffolding, Portable. W. A. Pohrman. 2,416,950; Mar. 4.
Sealer, Vacuum. G. L. Busby. 2,416,690; Mar. 4.
Sewing machine, Shoe. G. A. Miner. 2,416,767; Mar. 4.
Sewing machine, Shoe sole. M. M. Walker. 2,416,784; Mar. 4.
Shaver. H. Schlotthauer. 2,416,776; Mar. 4.
Sheet materials, Pressure-sensitive adhesive. M. H. Kemp. 2,416,925; Mar. 4.
Shield, Electrostatic meter. J. C. Tellier. 2,416,780; Mar. 4.
Shield, Glare. L. R. Le Lande. 2,416,761; Mar. 4.
Shield, Splash. C. F. Norlin. 2,416,944; Mar. 4.
Shock absorber, Friction. S. B. Haseltine. 2,416,691; Mar. 4.
Shoe and method of making the same. G. De Luca. 2,416,868; Mar. 4.
Shoe soles and the like, Manufacturing. P. J. Wentworth. 2,416,888; Mar. 4.
Shoe stiffener blanks, Treating. R. Almy and G. E. Ehle. 2,416,671; Mar. 4.
Shoe, Stitchdown. H. G. Rosenzweig. 2,416,847; Mar. 4.
Sifter, Flour. T. Bailey. 2,416,810; Mar. 4.
Signal: *See—*
  Electric chime signal.
Signalling system, Pulse. E. H. B. Bartelink. 2,416,895; Mar. 4.
Sling, Choker. A. A. Berndt. 2,416,733; Mar. 4.
Slip cover. T. M. Waranch. 2,416,806; Mar. 4.
Soldering device, Electrically heated. B. P. McKinley. 2,416,936; Mar. 4.
Spacer, Chick box. A. E. Miller. 2,417,008; Mar. 4.
Stabilizer for aircraft, Landing. J. Spiegel. 2,416,961; Mar. 4.

Stabilizer for process controllers. F. D. Burns. 2,416,980; Mar. 4.
Stand: *See—*
  Display stand.
Station selector system. F. S. Kinkead. 2,416,699; Mar. 4.
Stator winding device. R. F. Brennen. 2,416,735; Mar. 4.
Steel for Hawaiian guitars. F. J. Smith. 2,416,854; Mar. 4.
Styrene, Production of. M. H. and E. Gorin. 2,416,990; Mar. 4.
Suction cleaner. H. B. White. 2,416,786; Mar. 4.
Sugar recovery process. A. M. Erickson and J. D. Ryan. 2,416,682; Mar. 4.
Suitcase, Wheeled. J. M. Hendrick. 2,416,752; Mar. 4.
Sulphate solutions in the manufacture of other sulphates, Utilization of ferrous. C. B. Francis. 2,416,744; Mar. 4.
Support: *See—*
  Drill support.
  Package-binding tool support.
Support for welding guns, Single leg. C. S. Evans. 2,416,915; Mar. 4.
Suspension, Automobile. D. W. Sherman. 2,417,019; Mar. 4.
Suspension, Jointless tracklayer. G. W. Curtis. 2,416,679; Mar. 4.
Switch: *See—*
  Centrifugal switch.
  Diverting switch.
  Electric switch.
  Multiple contact switch.
Switching means. D. C. Prince. 2,416,951; Mar. 4.
System for controlling flow of liquids. W. R. Kehoe. 2,416,875; Mar. 4.
Tank having an inclined apron discharging into the tank, an affluent channel, and an inverted V-shaped baffle extending across the tank between the apron and the channel. Combined sewage settling and digestive. C. H. Coberly. 2,416,867; Mar. 4.
Tapes. Pressure-sensitive adhesive. M. H. Kemp. 2,416,926; Mar. 4.
Teeth, Artificial. R. O. Dickson. 2,416,983; Mar. 4.
Telegraph system. E. F. Watson. 2,416,723; Mar. 4.
Telescope. E. J. Kaiser and J. Dauber. 2,416,697; Mar. 4.
Television apparatus. A. N. Goldsmith. 2,416,919; Mar. 4.
Television system, Color. A. N. Goldsmith. 2,416,918; Mar. 4.
Tetralin, Isomerization of. C. L. Thomas and H. S. Bloch. 2,416,965; Mar. 4.
Textile materials, Delustring and weighting. R. P. Foulds and J. T. Marsh. 2,416,988; Mar. 4.
Thermocouple, Cooled radiation. E. F. Sarver. 2,416,775; Mar. 4.
Ticket strip and ticket. B. H. Freedman. 2,416,686; Mar. 4.
Tin bearing materials, Treating. I. E. Muskat. 2,416,709; Mar. 4.
Toggle actuated sliding jaw wrench. W. Petersen. 2,417,013; Mar. 4.
Tool: *See—*
  Welding tool.
Toolholder. D. S. Anthony. 2,416,975; Mar. 4.
Towing device. J. W. Hingley. 2,416,921; Mar. 4.
Toy airplane, Manipulatable. N. E. Walker. 2,416,805; Mar. 4.
Toy, Educational. J. H. Segal. 2,416,959; Mar. 4.
Tractor boom. A. E. Witherall. 2,417,031; Mar. 4.
Transceiver system. M. G. Crosby. 2,416,794; Mar. 4.
Transducer, Capillary. C. F. Burgess. 2,416,978; Mar. 4.
Transfer mechanism, Tens. H. M. Banuelos. 2,416,891; Mar. 4.
Transmission, Hydraulic power. J. Robinson. 2,416,801; Mar. 4.
Transmission, Intermittent. E. F. Chandler. 2,416,739; Mar. 4.
Transmission line bridge circuit. W. L. Barrow. 2,416,790; Mar. 4.
Transmission line having dead-end portion. R. W. George. 2,416,827; Mar. 4.
Transmission line, Radio frequency. D. R. Crosby. 2,416,981; Mar. 4.
Transmission line volting indicator. D. A. Howard, Jr. 2,416,694; Mar. 4.
Transmitter, Call. H. W. Goff. 2,416,688; Mar. 4.
Transmitter, Call. D. B. Parkinson. 2,416,713; Mar. 4.
Transmitter for masks, Speech. C. T. Morrow. 2,416,693; Mar. 4.
Transmitter, Impulse. R. E. Hersey. 2,416,692; Mar. 4.
Transmitter, Telephone call. C. D. Richard. 2,416,715; Mar. 4.
Tray, Ice cube. L. L. Mallard. 2,416,934; Mar. 4.
Triple wheel. P. E. Baker. 2,416,862; Mar. 4.
Trousers, Sleeping garment. B. H. Trinkel. 2,416,857; Mar. 4.
Truck selection, Toll. O. Myers. 2,416,711; Mar. 4.
Trytophane from mixed amino acids, Separation of. M. Sahyun. 2,416,956; Mar. 4.
Tubes, Making collapsible. E. Stather-Dunn and F. M. Menheneott. 2,416,962; Mar. 4.
Unloader, Grain. H. L. Shugart. 2,417,020; Mar. 4.
V-block, Adjustable. P. Valish. 2,416,782; Mar. 4.
Valise, Collapsible. L. Vallières. 2,416,783; Mar. 4.
Valve: *See—*
  High-pressure diaphragm relief valve.
  Pressure regulating valve.
Valve. I. M. White. 2,416,787; Mar. 4.
Valve cooling mechanism. W. B. Bronander. 2,416,866; Mar. 4.
Valve for hydraulic circuits. G. A. Waldie. 2,416,722; Mar. 4.
Vending machine, Beverage. G. F. Albrecht. 2,416,728; Mar. 4.
Vinyl chloride and esters of ethylenedicarboxylic acids, Treatment of interpolymers. B. W. Howk and H. J. Richter. 2,416,874; Mar. 4.
Walls, Filler for and treatment of fractured masonry. W. H. Walter. 2,417,026; Mar. 4.
Wattmeter, Radio frequency. G. H. Brown and R. A Bierwirth. 2,416,977; Mar. 4.
Wave transmission network. T. R. Finch and D. A. McLean. 2,416,683; Mar. 4.
Welding tool. J. U. Garibay. 2,416,872; Mar. 4.
Well cementing apparatus. C. M. O'Leary. 2,416,842; Mar. 4.
Wheel: *See—*
  Triple wheel.
Windmill. A. Stagg. 2,417,022; Mar. 4.
Window mirror display. F. Shipman. 2,416,666; Mar. 4.
Window panel, Heated. C. E. Stroud and H. Marini. 2,416,778; Mar. 4.
Window sash control. C. E. Nygren. 2,416,946; Mar. 4.
Wire hood forming machine. W. J. Archer. 2,416,672; Mar. 4.
Wire take-up reel. S. A. Moore. 2,416,708; Mar. 4.
Wrench: *See—*
  Toggle actuated sliding jaw wrench.
Writing instrument. L. J. Biró. 2,416,896; Mar. 4.
Yarn substitute for knitting or chrocheting activities and the method of making the same. E. B. Knowles. 2,416,758; Mar. 4.

CLASSIFICATION OF PATENTS

ISSUED MARCH 4, 1947

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

2— 8: 2,416,764
146: 2,416,839
237: 2,416,857
3— 7: 2,416,817
8— 74: 2,416,884
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252— 32.7: Re.22,849
42.7: 2,416,807
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261— 24: 2,417,010
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114: 2,416,724
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266— 19: 2,416,952
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284— 19: 2,416,967
285— 75: 2,416,964
177: 2,417,025
286— 31: 2,416,917
287— 52: 2,416,852
292— 72: 2,416,946
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119: 2,416,685
140.1: 2,416,923
145: 2,416,737
301— 13: 2,416,862
304— 3: 2,416,950
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308— 189: 2,416,886
312— 48: 2,416,728
146: 2,416,845
315— 5: 2,416,714
10: 2,416,720
13: 2,416,914
99: 2,416,751
188: 2,416,971

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,416,703: 125— 35
2,416,714: 315— 5
2,416,720: 10
2,416,741: 250—1.68
2,416,749: 90— 56
2,416,760: 23—285
2,416,769: 95— 12
2,416,774: 29— 97
2,416,777: 62— 95
2,416,781: 122—504
2,416,802: 171— 97
2,416,811: 222—449
2,416,848: 248—170
2,416,862: 301— 13
2,416,883: 238—14.12
2,416,890: 260— 9
2,416,899: 250—27.5
2,416,914: 315— 13
2,416,957: 102—35.6
2,416,968: 88— 14
2,416,971: 315—188
2,417,011: 263— 3
2,417,023: 88— 14

CLASSIFICATION OF DESIGNS

D 7— 7: Des. 146,432
Des. 146,438
D34— 2: Des. 146,426
D34— 2: Des. 146,427
Des. 146,428
5: Des. 146,429
D34— 6: Des. 146,431
15: Des. 146,442
D45—19: Des. 146,425
D49— 6: Des. 146,433
D52— 7: Des. 146,439
Des. 146,440
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D58— 8: Des. 146,435
D64—12: Des. 146,430
D74—17: Des. 146,434
D90— 8: Des. 146,436
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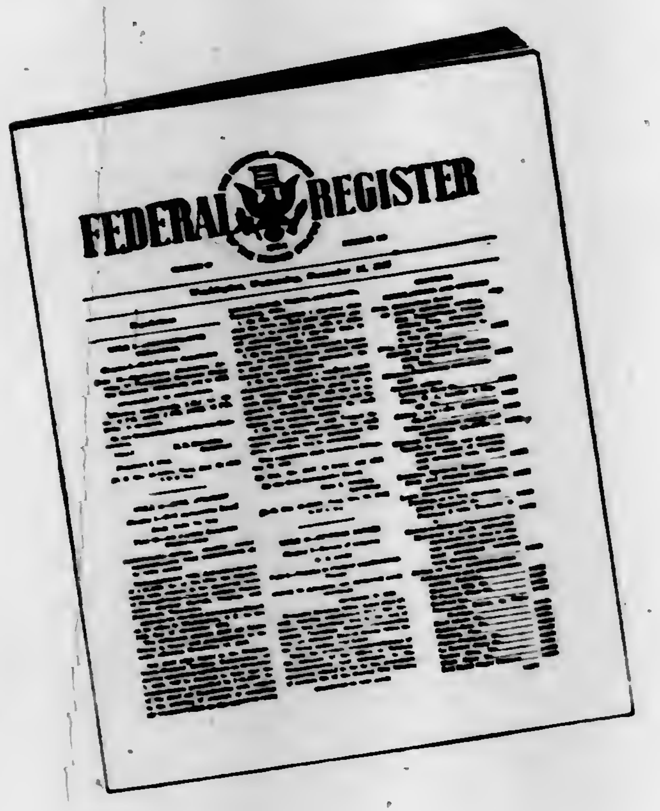

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DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE WAITE

No. 5,208. Decided December 9, 1946

[— F.(2d) —; 72 USPQ 123]

1. PATENTABILITY—PROCESS—MANUFACTURE OF NICKEL ANODE METAL.

Where the actual steps recited in appellant's claim to "the process of manufacturing nickel anode metal of good corrodibility for electroplating" had been applied in nickel plating, *Held* that the claim was unpatentable, the intended use of the deposit being immaterial.

2. SAME—NEW USE OF OLD COMPOSITION—ELECTRODEPOSITED NICKEL ANODE.

The specified composition being old, and merely the indicated use new, certain claims to "an electrodeposited nickel anode for electroplating" *Held* unpatentable.

3. SAME—SAME.

Held that under the decision in *In re Thuau*, 30 C. C. P. A. 979, 135 F.(2d) 344, 57 USPQ 324, 554 O. G. 14, "appellant would not be entitled to a patent on an old article, or composition, merely because he applied the composition to a new use, but if he, in fact, made a new composition and properly described and claimed it the Thuau case * * * has no application here."

APPEAL from the Patent Office. Affirmed.

Mr. Roy F. Steward for Waite.

Mr. W. W. Cochran (*Mr. H. S. Miller* of counsel) for the Commissioner of Patents.

GARRETT, *P. J.*:

Appellant here seeks review and reversal of the decision of the Board of Appeals of the United States Patent Office refusing certain claims of his application for patent on alleged improvements in anodes for electroplating.

Three process claims, numbered 12, 13, and 14, stand allowed.

Eight of the rejected claims, numbered 1, 4, 5, 6, 7, 9, 10, and 11, are process claims. Eleven, numbered 22 to 32, inclusive, are article claims.

At the hearing before us counsel for appellant moved to dismiss the appeal as to claims 1, 5, 6, 7, 9, 10, 11, 22 to 25, inclusive, 28 and 32. The motion will be granted.

So, we are called upon to consider only process claim 4 and article claims, numbered, 26, 27, 29, 30, and 31.

The case presents a somewhat unusual phase, in that while both tribunals of the Patent Office concurred in the view that appellant had made an invention they differed as to whether it lay in the article or in the method of making it.

The Examiner denied all the method claims but held article claims 26, 27, and 29 allowable, and said of claims 30 and 31 that they are substantially duplicates, respectively, of claims 26 and 27, and that "No reason is seen to exist for the allowance of these article claims, which, in so far as article features are concerned, are exact duplicates of allowed claims 26 and 27."

The Board, on the other hand, took the view that the invention lay only in the method of making the article. It, therefore, reversed the Examiner's allowance of article claims 26, 27, and 29 (stating, "A new rejection of allowed claims 26, 27, and 29 is made under rule 139"), and also reversed his rejection of process claims 12, 13, and 14, which now stand allowed.

We here quote claim 4, the only process claim befor us, and claims 26 and 31, which are illustrative of the article claims on appeal:

> 4. The process of manufacturing nickel anode metal of good corrodibility for electroplating, which comprises adding to a solution containing nickel a suitable proportion of an organic sulphur-containing compound which is soluble therein and of which the sulfur is at least partly in form available for co-electrodeposition with nickel from said solution in condition adapted to promote corrodibility, and passing an electric current through said solution from a nickel anode to a cathode until an electrodeposit of nickel having sulfur incorporated therewith in active or corrosion-promoting condition, in proportion that is small but sufficient to improve corrodibility, has been built up on the cathode to such substantial thickness that the deposit is sufficiently massive to be self-sustaining and has utility in its electrodeposited condition for anode purposes in the electroplating of nickel.
>
> 26. An electrodeposited nickel anode for electroplating, composed of nickel in electrodeposited condition analyzing at least 99 per cent nickel and containing distributed therethrough co-electrodeposited sulfur in active or corrosion-promoting condition and in proportion greater than 0.001 per cent but not more than about 0.10 per cent, the grain size of the metal being comparable to that of bright nickel; said anode exhibiting good corrosion characteristics when employed in a nickel plating bath of the Watts type at pH values ranging upward to at least about 5.0.
>
> 31. An electrodeposited nickel anode for electroplating, composed of nickel in electrodeposited condition analyzing at least 99 per cent nickel and containing distributed therethrough co-electrodeposited sulfur in active or corrosion-promoting condition and in proportion grester than 0.001 per cent but not more than about 0.10 per cent, together with a small amount of co-electrodeposited carbon, the grain size of the metal being comparable to that of bright nickel; said anode exhibiting good corrosion characteristics when employed in a nickel plating bath of the Watts type.

The statement of the Examiner submitted with the appeal to the Board embraces the following:

> A brief résumé of the art and the problems involved may be helpful in a consideration of this application. In electroplating with nickel, the work to be plated is made the negative electrode (cathode) in an aqueous acid solution containing dissolved nickel, and current is passed through the bath to the work from a positive nickel electrode (anode) immersed in the bath. The nickel ions necessary for the plating operation are supplied to the bath by dissolution or corrosion of the anode. However, the art

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> recognized that anodes made of pure nickel did not corrode satisfactorily, the principal difficulties being that passivity or insolubility would develop and small nickel particles would be detached from the anode and pass into the bath as such, which was not only wasteful of nickel but also likely to cause poor plating. Accordingly, the art sought methods of improving the corrodibility of the nickel anodes, especially when they were made of electro nickel sheet. Proposals looking to that end through annealing or other special heat treatments were made, but they offered no real practical solution of the problem. Then it was discovered that if the nickel contained a sulfur content of from 0.0025% to 0.005%, passivity was eliminated and good corrodibility was obtained. A controlled sulfur content has therefore been standard practice in the art for a number of years prior to the filing of the instant application.
>
> Providing this necessary percentage of sulfur in anode nickel has usually involved melting down some form of commercial nickel, usually pure electro nickel, and then incorporating into the melt the desired proportion of sulfur, the molten anode metal being then cast into anode form directly or into ingots to be hot rolled into anodes. It is alleged that the manufacture of nickel anodes in this way is expensive, because it involves first, producing high purity electro nickel sheet, in itself a costly operation, and then utilizing this highly refined form of nickel as the starting material in further manufacturing operations; namely, melting down the metal, introducing the required small amount of sulfur, and then casting the anode metal into molds; not to mention the subsequent mechanical working in the case of rolled anodes.
>
> Applicant alleges that he eliminates these expensive operations by his method because he produces anode nickel and nickel anodes containing sulfur in amount and condition conferring good corrosion characteristics directly by electrodeposition. He achieves this objective by electrodepositing nickel in a suitable form from a bath containing nickel and, in addition, a sulfur compound of such character and present in the bath in such proportion that sulfur is co-deposited with the nickel and is so associated therewith in the resultant electrodeposit as to give the latter excellent corrosion characteristics, when employed as an anode in an electroplating bath in its electrodeposited condition, that is, without melting down and casting as in prior practice.

Six references were listed in the respective decisions of the tribunals of the Patent Office as follows: Gronningsaeter, 2,001,385, May 14, 1935; Waite, 2,112,818, Mar. 29, 1938; Brown, 2,191,813, Feb. 27, 1940; Flett, 2,195,409, Apr. 2, 1940; Wesley, Electroplater's Monthly Review Preprint, August, 1938; Eckelmann, Metal Industry, vol. 32, No. 12, December, 1934, pages 416–418.

As we understand certain of the discussion in the Examiner's statement made following the appeal to the Board, he, in effect, discarded the Wesley publication as a reference and substituted the Eckelmann (Metal Industry publication) therefor. The Board did not refer specifically to either of the publications, but it did expressly hold that the Brown patent "is not a proper reference." It was one of the patents cited by the Examiner (the other two being, respectively, Waite and Flett) in the rejection of claim 4. The Board said, "The rejection on Brown is not affirmed," but it specifically agreed with the rejection on either Waite or Flett.

[1] The Examiner devoted more space to the discussion of process claim 1, which was withdrawn from the appeal to us, than he did to any other process claim, and the brief for appellant did likewise. However, claim 4 is similar to claim 1 and, under the Board's decision, stands rejected on the same references—that is, either Waite or Flett—and in the oral argument before us counsel for appellant advised the court that the discussion of claim 1 in his brief applies with equal force to claim 4. The Examiner said of claim 4:

> Claim 4 is slightly more restrictive than claim 1 in that the sulfur containing compound is recited as an "organic" compound. Since each of the references cited against claim 1 clearly describes the addition of an organic sulfur compound to the nickel bath, this claim is also rejected on those references.

The Waite patent is one which was issued to appellant (or his assignee) March 29, 1938, more than a year before the filing date of the instant application, July 24, 1939. It relates to the electrodeposition, or electroplating, of metals, particularly metals of the nickel group, while the instant application relates to the manufacture of nickel anode metal for use in such electroplating.

Stating the matter in a different way, appellant claims to have developed a patentable process of making a nickel article (also claimed to be patentable) adapted for use as an anode in electroplating other metal articles.

It is obvious that the use of the article defined in appellant's application differs from the use of the article defined in his patent, but in considering the method claim, the matter of use of the product is immaterial. The material question is whether the claim presents a process which differs from the process described in his patent and in that of Flett.

It was the view of the Examiner that the actual steps of appellant's process, as defined in claim 4, are found in the Waite patent and that the intended use of the deposit "cannot make an old process repatentable." He declared: "A process or method to be patentable should differ from the prior art in an actual procedural operation or step * * *." In his decision he pointed out certain disclosures of the Waite and Flett patents. They are epitomized in the brief of the Solicitor for the Patent Office before us as follows (reference pages omitted):

> The patent to Waite * * * discloses a process of nickel plating in which there is added to the plating solution a sulfonic acid compound. The patent states * * * that "Sulfonated aryl compounds in particular are found suitable, whether containing the benzene nucleus or the naphthalene nucleus." The patent states * * * that the amount of addition agent "may vary, in the case of the free sulfonic acids, for example, from 1 gram per liter up to saturation." The deposit of metal is "relatively thick" * * * or "nickel plate of any desired thickness and of exceptional brightness may be easily produced" * * *. The nickel deposited "also contains on the average in the neighborhood of 0.08 percent of carbon and 0.04 sulphur" * * *.
>
> The patent to Flett * * * relates to electrodeposition of metals "by having present in the electrolytic bath a nuclear alkyl derivative of the benzene series (as distinguished from nuclear alkyl derivatives of condensed polynuclear aromatic sulfonic acids, such as, those of the naphthalene series) * * *."

The Board obviously took the same view as that taken by the Examiner respecting claim 4.

We agree with that view. Claim 4 discloses no step which differs from the steps disclosed in the prior art cited—the Waite and Flett patents.

The new step is defined in claims 12, 13, and 14, and was pointed out by the Board in its allowance of those claims.

[2][3] As has been stated, the Examiner held article claims 26, 27, and 29 patentable and denied claims 30 and 31, only because he regarded their allowance unnecessary to the protection of appellant's invention since in all material "article features" they are substantially duplicates, respectively, of claims 26 and 27.

It appears from the record that claims 26, 27, and 29 were introduced by amendment during the prosecution of the application before the Primary Examiner, and that they were substituted for other claims, numbered, respectively, 17, 18, and 20. Apparently, this action was taken because of a suggestion contained in "Letter of Examiner, September 25, 1942" (which the Board refers to as "Paper 13"), reading:

> Claims 17 and 18, as now advised, might be considered allowable, if they were limited to definitely state that the nickel as deposited or in the deposited condition was used as the anode. Also the claims should definitely state that the sulfur is co-electrodeposited. When so corrected the claims may be allowed; * * *.

Appealed claim 29 took the place of original claim 20. It conforms, in substance, to claim 27.

During the prosecution of the case before the Examiner appellant introduced an affidavit of a chemical engineer (Dr. A. Kenneth Graham), and the Examiner in the letter of September 25, 1942, stated:

> The affidavit of Dr. Graham has been considered and it is primarily because of the statements therein that it is thought that article claims such as claims 17 and 18 might be allowable, if amended.

The Board's discussion of claims 26, 27, and 29 is as follows:

> We note from the record it appears that the allowance of claim 17 and 18 was indicated in Paper 13, if amended to include the use. This was before the date of the decision *In re Thuau*. These claims eventually became claims 26 and 27. We now are constrained to hold these claims unpatentable. The indicated use cannot confer patentability. Moreover, as previously pointed out, they and claim 29 are too broad because the lower limit of .001% would not assure a satisfactory corrodibility. Finally they do not distinguish from Waite. One of the limitations refers to "exhibiting good corrosion characteristics * * *." This is too indefinite a measure. The grain size does not distinguish from Waite since he has a lustrous bright finish and it is known that fine grain size accompanies such finish.

The Thuau case, supra, cited by the Board, is a decision of this court, rendered April 5, 1943, reported in 30 C. C. P. A. (Patents) 979, 135 F.(2d) 344, 57 USPQ 324, 554 O. G. 14, in which we affirmed a decision of the Board upholding a decision of the Examiner to the effect that the discovery of a new use for an old composition of matter did not entitle the discoverer of the new use to a patent upon the old composition.

Seemingly, the Board took the view that appellant's anode as described in such article claims as are here involved is a composition of matter old in the art and that the Examiner allowed the claim solely because of the new use to which appellant applied the article, which, in the opinion of the Board, was error, under the rule approved in the Thuau case, supra.

Counsel for appellant argues that the Board misconstrued the meaning of the Examiner's statement that the claims "might be considered allowable, if they were limited to definitely state that the nickel as deposited or in the deposited condition was used as the anode" and that the amendments made to conform to the Examiner's suggestion served "merely to emphasize the intended meaning of the claims as previously standing."

We quote the following from appellant's brief:

> * * * It is desired especially to emphasize that, leaving entirely out of account the introductory phrase "An electrodeposited nickel anode for electroplating" contained in each of claims 26, 27 and 29, there is nowhere to be found in the prior art cited by the Patent Office or known to appellant a disclosure of *any* article, whether an anode or not, "*composed of* (i. e. consisting of) electrodeposited nickel in electrodeposited condition" and having even the analysis merely, let alone the further distinguishing property of good corrodibility, set forth in the remained of each claim. *A self-sustaining body of electrolytic nickel, in its electrodeposited condition, containing co-electrodeposited sulphur in the proportions specified in these claims, is a product heretofore totally unknown, regardless of its intended use.* [Italics quoted.]

Under the decision in the Thuau case, supra (which, it may be said, did not establish any new doctrine or principle of law but merely approved, citing numerous decisions, a principle long followed by the Patent Office tribunals and the courts) appellant would not be entitled to a patent on an old article, or composition, merely because he applied the composition to a new use, but if he, in fact, made a new composition and properly described and claimed it the Thuau case, supra, has no application here.

We are not convinced that the product as defined in the article claims here involved is a composition of matter which is new. Neither of the tribunals of the Patent Office so regarded it and we do not find any statement in the affidavit of Dr. Graham indicating that the article is new. From a careful study of the affidavit we conclude that his discussion related to the process claims rather than to the article claims.

The appeal as to claims, numbered, respectively, 1, 5, 6, 7, 9, 10, 11, 22, 23, 24, 25, 28, and 32 is dismissed, and the decision of the Board respecting the other appealed claims is affirmed.

Affirmed.

NOTICES

Order No. 5200

Notice of Filing of Application Claiming Matter Disclosed but not Claimed in Patent

U. S. PATENT OFFICE, *Washington 25, D. C., Feb. 3, 1947.*

When, after obtaining a patent, the patentee files an application claiming subject matter disclosed but not claimed in his patent, he is required to place a notice in the file of the patent, as soon as the application has received a serial number, to the effect that such an application has been filed and to identify the application in the notice by its serial number and filing date. He is also required to identify in his application the patent in which the subject matter now claimed is disclosed.

CASPER W. OOMS,
Commissioner.

Disclaimers

2,352,524.—*Ralph L. Evans,* Bay Shore, and *Everett G. McDonough,* Yonkers, N. Y. Depilatory. Patent dated June 27, 1944. Disclaimer filed Feb. 6, 1947, by the assignee, *Sales Affiliates, Inc.*

Hereby enters this disclaimer to claims 6, 7, and 17 of the above-identified patent.

2,354,048.—*Philip V. Palmquist,* Minneapolis, Minn. Flexible Lenticular Optical Sheet. Patent dated July 18, 1944. Disclaimer filed Jan. 15, 1947, by the assignee, *Minnesota Mining & Manufacturing Company.*

Hereby enters this disclaimer to claims 1, 2, and 8 of said patent.

2,382,666.—*Ignatius A. Rohrig* and *Norman A. Kerstein,* Detroit, Mich. Manufacture of Diamond Tools. Patent dated Aug. 14, 1945. Disclaimer filed Jan. 31, 1947, by the inventors.

Hereby enter this disclaimer to claims 1, 2, 4, 6, and 8.

Commissioner's Order No. 5208

Order of Examination Where Division Has Been Required

U. S. Patent Office, *Washington 25, D. C., Feb. 11, 1947.*

Where any action by the Examiner upon an application is limited to a requirement for division, the application will thereafter be considered "special" until it has received an action upon the merits.

An appropriate shortened statutory period should be set for response to any such requirement for division.

Order No. 2670, June 24, 1921, is hereby superseded.

CASPER W. OOMS,
Commissioner.

Notices of Cancellation

U. S. Patent Office, *Washington, D. C., Jan. 31, 1947.*

Lion Brewery of New York City, its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by The Burger Brewing Company, Central Parkway and Liberty St., Cincinnati, Ohio, to effect the cancellation of trade-mark registration of Lion Brewery of New York City, Columbus Ave. & 108th St., New York, N. Y., No. 133,722, dated August 3, 1920 (renewed), and the notice of such proceeding sent by registered mail to the said Lion Brewery of New York City at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Lion Brewery of New York City, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the Official Gazette for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

U. S. Patent Office, *Washington, D. C., Feb. 5, 1947.*

Cherlax Co., its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Ormont Drug & Chemical Co. Inc., 36—31 33rd St., Long Island City, New York, N. Y., to effect the cancellation of trade-mark registration of Cherlax Co., 1109 Elizabeth Ave., Elizabeth, N. J., No. 267,524, dated February 25, 1930, and the notice of such proceeding sent by registered mail to the said address having been returned by the post office undeliverable, notice is hereby given that unless said Cherlax Co., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the Official Gazette for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,406,084. Ship or Vessel. Patented Aug. 20, 1946. The hull of the vessel is so designed that a number of separable sections or tanks assembled between the prow and stern of the hull comprise a complete vessel. Each of the tanks may be compartmented to separate ballast from cargo. The cargo may be introduced into the floating tanks or loaded at a point remote from the vessel. Provision is made to lock the assembly in place, to lift each tank section bodily from its assembled position, etc. (Owner) Abraham J. Levin, 2090 National Bank Bldg., Detroit 26, Mich. Group 37—31. Reg. No. 5,163.

Pat. 2,261,157. Traveler's Kit. Patented Nov. 4, 1941. A traveler's kit in which toilet articles are held on the under side of the cover. The "zipper" is set back in an upstanding flange extending above the top surface of the cover so that the articles may be removed by sliding them directly outward without contacting the "zipper" teeth. Articles need not be tilted for removal so bands are not stretched. (Owner) Rollin W. Holbrook, P. O. Box 823, Church Street Annex, New York, N. Y. Group 31—61. Reg. No. 5,164.

Pat. 1,832,517. Mail Separating and Distributing Machine. Patented Nov. 17, 1931. Machine is electrically operated by manipulating the keys. An operator channels each letter through a preselected passageway, which leads to a conveyor. A rotating suction nozzle picks up each letter and turns it edgewise before releasing it. The letter then drops down a delivery chute and through a preselected passageway to the conveyor. A plurality of hinged panels forming the back of the delivery chute also provide doors for the passageways. When a panel is moved to open position it guides the letter into the passageway. (Owner) Richard G. Werner, Printing Dept., General Post Office, Kansas City 8, Mo. Group 35—79. Reg. No. 5,165.

Pat. 1,897,093. Mail Separating and Facing Apparatus. Patented Feb. 14, 1933. Machine is electrically operated by manipulation of keys. Letters may be in four different positions when fed to the machine; that is, with the face or back forward, and with stamped ends at different corners of the chute. Letters passed through the machine will be properly faced, with the stamped ends aligned, and channeled into preselected ways of a conveyor so that they may be fed directly to a stamp canceling machine. Letters with the addresses facing the operator may be channeled according to destinations. Each letter is picked up by a nozzle head on a rotating nozzle arm and transferred to a distributor which has been simultaneously manipulated to remove the letter from the nozzle head and guide it into a preselected way of the conveyor. As nozzle arm rotates, the nozzle head may remain stationary or be rotated within predetermined limits to either turn the letter over edgewise or prevent it from turning. (Owner) Richard G. Werner, Printing Dept., General Post Office, Kansas City 8, Mo. Group 35—79. Reg. No. 5,166.

Pat. 2,406,178. Relief Valve. Patented Aug. 20, 1946. Valve is so constructed that it requires only a light, adjustable spring although substantial pressures may be controlled. The valve seat may be made of resilient plastic material. The valve which has an annular chamber is slid on a conduit tapped with a plurality of circumferentially aligned openings. Resilient sealing rings straddle the openings, the valve being held on the conduit by one or more set screws. A valve ring in the annular chamber slides on the conduit and one surface engages an annular valve seat. The valve ring may also carry a sealing ring in an annular recess. (Owner) Herbert H. Walley, Jr. Address correspondence to Barlow & Barlow, 2005 Industrial Trust Bldg., Providence 3, R. I. Group 33—61. Reg. No. 5,167.

Pat. 2,406,479. Juice Extractor. Patented Aug. 27, 1946. A manually operated device for extracting the juice from citrus fruit. Entirely self-contained and automatic to the extent that rotary motion for the operation of the reamer is derived from the interconnection between the reamer and the pedestal upon which it is reciprocally mounted. To use the device, a section of the citrus fruit is pressed downwardly causing the reamer to rotate. The fluted edges of the reamer tear the fruit so that the juice is extracted and caught by a cup which is an integral part of the reamer. (Owner) Christian J. Stahly, Curryville, Mo. Groups 32—29; 33—71; 34—41. Reg. No. 5,168.

Pat. 2,392,525. Metal Lath. Patented Jan. 8, 1946. A foundation for stucco or plaster. Prevents cracking and sagging due to settling of structure. Comprises a rectangular-shaped diagonally ribbed plate-like lath nailed to a number of consecutive partition members. Should one member start to sag the rib is thrown into tension and the load of the sagging rib is supported by the other members to which rib is nailed. (Owner) George E. Deatherage, 308 McQueen Blvd., St. Albans, W. Va. Group 33—81. Reg. No. 5,169.

Pat. 2,281,058. Cigarette Package Wrapper. Patented Apr. 28, 1942. The conventional outer transparent cigarette package wrapper is folded to form a pocket into which a match book may be inserted. The "pocket" also protects the match scratching surface of the book from moisture. Modifications given. (Owner) Clarence A. Winterbourne. Address correspondence to Harold G. Manning, 24 Central Ave., Waterbury 11, Conn. Group 35—59. Reg. No. 5,170.

Pat. 2,114,945. Means for Spreading Cotton or the Like. Patented Apr. 19, 1938. Groups 33—49—73; 35—22. Reg. No. 5,171.

Pat. 2,143,333. Means for Spreading Cotton or the Like. Patented Jan. 10, 1939. Groups 33—49—73; 35—22. Reg. No. 5,172.

These two patents provide an apparatus for simultaneously spreading a plurality of lines of cotton thread, twine, fine wire, or the like over newly planted ground, or around bushes or trees to act as a deterrent to birds. It consists of two arched frames having a number of guides or eye formations through which the thread or wire may be stretched back and forth. By placing one frame at the end of a row and then carrying the other frame away from this frame to other end of the row a plurality of lines are automatically paid out. Supply spools may be placed on integral spindles of the frame or placed on separate supports stuck in the ground. Several modifications are shown. Patent No. 2,143,333 provides an elongated container partitioned to provide a housing for several supply spools. The container is slotted so that lines from the several spools may be paid out simultaneously. (Owner) Roy C. Thomson. Address correspondence to A. J. Stephens, 15 Great James St., London W. C. 1, England.

Pat. 2,140,221. Trousers and the Like. Patented Dec. 13, 1938. A concealed means of adjusting the waist size of trousers, shorts, etc., by varying the depth of the front pleats of garment. The waistband is provided with folds, the ends of which correspond with edges of front pleats of garment. Two straps or tabs inside front of waistband pass across the folds and are fastened to one of a series of buttons which hold the folds flat against inside of waistband. Waistband remains smooth at all times. (Owner) John Leslie Cornish. Address correspondence to E. F. Wenderoth, W. L. & T. Bldg., 900 F St. N. W., Washington 4, D. C. Group 23—11—22—23—29. Reg. No. 5,173.

Pat. 1,862,967. Combination Window Awning and Ventilator. Patented June 14, 1932. Device may be readily attached to the window frame of a dwelling, trailer, or the like, to provide an effective screening against insects yet permit ventilation. Consists of a screen and housing, the screen being connected to the housing and to one side of the window sash. This permits the screen to be swung bodily through an arc with the up and down movement of the sash so that the ventilator is enclosed at all times. (Co-owner) Bertha N. Gleason. Address correspondence to George H. Corey, 20 Exchange Place, New York 5, N. Y. Group 25—61. Reg. No. 5,174.

Pat. 2,296,478. Piston. Patented Sept. 22, 1942. A piston for internal combustion engines. Head portion has two lug-like extensions which project into W-shaped pockets of skirt portion and are held together by a wrist pin. Head and skirt are held in alignment by pins which fit into recesses in extensions and slot in bottom wall. Walls are of substantially the same thickness, avoiding stresses set up in the metal by an uneven heating and expansion. Spaces between head and skirt reduce contact of parts and transfer of excess heat received by head portion during operation of engine. (Owner) William F. Morgan, 1401 South Jefferson Ave., Saginaw, Mich. Group 35—69. Reg. No. 5,175.

Pat. 2,123,971. Hosiery. Patented July 19, 1938. This patent refers to the manufacture of silk stockings. In conventional practice, in the case of breaks or runouts, the thread is retied with a knot common to the entire number of strands. A thickened portion results which often fails to pass through the eye of hosiery needles, causing a press-off of the partially finished stocking. If the knots pass through the eye the finished articles have flaws and must be sold as seconds or rejected entirely. These disadvantages may be overcome by providing single strand bobbins in which doubling and packaging knots are tied prior to twisting. A single strand knot in a multiple-strand, multiple-twist thread is insignificant. The process and mechanism are described in the patent. The stockings made by this process are uniform in quality. Inventor states that artificial silk stockings may be produced by the same methods. (Owner) Nathaniel Ely. Address correspondence to Hammond & Littell, 11 West 42d St. New York, N. Y. Group 22—23. Reg. No. 5,176.

Pat. 2,263,103. Automatic Valve. Patented Nov. 18, 1941. A direct acting adjustable thermostatically controlled valve for heating and cooling systems. Positive quick action is obtained by using heat from surrounding medium to act on a thermo element. A thermostatic motor is operative in valve housing. Comprises two portions—the interior is permanently and directly exposed to control medium. The exterior portions are exposed to surrounding atmosphere and the heat flowing from housing. Control may be thrown off all units from a central point for quick heating by raising pressure of heating system. (Owner) S. S. Rathbun, 40 Forest Place, Rockville Centre, N. Y. Group 33—66. Reg. No. 5,177.

Pat. 2,408,228. Impact Tool Mechanism. Patented Sept. 24, 1946. This patent applies to an impact mechanism such as an impact wrench. Unlike previous impact tools which are decelerated upon impact, this wrench is accelerated so that it is possible to deliver a greater force. The tendency to distort the hammer surface is overcome by maintaining the same angle of impact between the hammer and the anvil face. Other claimed advantages are that it absorbs the reaction of impact within itself and that it is capable of being driven by other than pneumatic power if necessary. (Owner) Carroll H. Richards, 42 Peterboro St., Boston, Mass. Group 35—43. Reg. No. 5,178.

Pat. 2,409,268. Shoe Rack. Patented Oct. 15, 1946. A collapsible rack for shoes so arranged that air circulates around the shoe. Main support has a W-shaped portion at top for fastening to a wall, closet door or other support. The parallel side leg portions have two pairs of spaced looped portions to which auxiliary supports are secured to support a shoe. The end of leg portions are soldered or welded together and form attaching means when another rack is added. May be made of wire or colored plastic to harmonize with furnishings of room and in any number of units. (Owner) Stephen Gerlich, 2554 Wentworth Ave., Chicago, Ill. Groups 33—12; 39—81. Reg. No. 5,179.

Pat. 2,399,053. Right Angled Aligning and Assembling and Assembling Fastener Bracket. Patented Apr. 23, 1946. Reg. No. 5,180.

Pat. 2,404,857. Fastener for Positioning, Aligning, and Securing Plates for Welding. Patented July 30, 1946. Reg. No. 5,181.

These two patents relate to fastener brackets designed for positioning, lining up and securing plates and the like for welding. In 2,404,857 the bracket includes two end plates connected by an intermediate plate angularly related with respect to the end plates. One end plate is adapted for spot welding to the work, and the second end plate has apertures to accommodate a drift pin. In 2,399,053 the construction is simplified so that the two end plates or abutments coordinate with wide flanges so that they may be easily tack-welded. (Owner) Helen H. McLaren, 30 W. Haddon Ave., Oaklyn, Camden, N. J. Group 33—59.

Pat. 2,223,706. Comb Cleaner. Patented Dec. 3, 1940. A cleaner attachment for a comb. An elongated plate of metal or other rigid material has prongs across lower end which extend between comb teeth when mounted thereon. Held on comb by a dove-tail connection and permits easy sliding thereon. A knob is provided on cleaner for moving up and down, removing any dirt accumulated thereon. (Owner) Hing Seto, 902 Wheaton St., Savannah, Ga. Groups 33—73; 39—81; 40. Reg. No. 5,182.

Pat. 2,406,572. Explosive Perchlorates of Aliphatic Nitrogenous Compounds. Patented Aug. 27, 1946. This patent covers an explosive containing as its essential constituent a perchlorate of basic nitrogenous compound of an ethylenic hydrocarbon, such compound having more than two basic nitrogenous groups, only a part of which are combined with perchloric acid. Several examples are set forth in the patent. (Owner) Ralph E. Svoboda, 1501–18 City National Bank Bldg., Omaha, Nebr. Group 33—X2. Reg. No. 5,183.

Pat. 2,406,573. Explosive and Process of Making. Patented Aug. 27, 1946. This patent covers an explosive and process of making. The explosive contains as its essential constituent a compound of ethylene diamine in which one amino group of the diamine is linked to perchloric acid and the second amino group is combined with a polynitroaromatic body of acid character. Examples are set forth in the patent. (Owner) Ralph E. Svoboda, 1501–18 City National Bank Bldg., Omaha, Nebr. Group 33—X2. Reg. No. 5,184.

Pat. 2,397,644. Means for Sharpening Safety Razor Blades. Patented Apr. 2, 1946. A safety razor with a stropping attachment has two parallel slots provided in the guard plate. A pin in the center of each slot has a leather arm extending outwardly therefrom. To sharpen blade the guard plate is loosened, the arms and pin rotated until arms point in reverse direction, whereupon arms are pushed between guard plate and blade. The ends of arms have a finger piece so as to slide the leather along the blade, thus stropping the blade. (Owner) Ernest A. Brooke. Address correspondence to F. B. Bosshardt, 31 Regent House, Cannon St., Manchseter 4, England. Groups 31—99; 33—51. Reg. No. 5,185.

Pat. 2,372,635. Safety Razor. Patented Mar. 27, 1945. A conventional safety razor with a disconnectable two-piece springy tubular handle. Each part is the same length as guard plate and provided with longitudinal silts for fitting over edges of razor and form a compact device. To store razor the handle is unscrewed from post and the two parts pulled together. The lower half of handle is slid onto one edge of guard plate, blade and backing plate, so they enter the slits in handle. The edges of slit grip the handle and prevent sliding off. The other half of handle is applied in the same way to other edge of razor. The knob on handle is inverted and screwed on post to form a guard against displacement of parts. (Owner) Ernest A. Brooke. Address correspondence to F. B. Bosshardt, 31 Regent House, Cannon St., Manchester 4, England. Group 33—51. Reg. No. 5,186.

Pat. 2,110,552. Fuse for Aerial Drop-Bombs. Patented Mar. 8, 1938. A timing fuse for an aerial bomb actuated by changes in atmospheric pressure. The timing head of this bomb differs from those using clockwork to actuate the fuse, and which therefore cannot be reset once the clockwork has been started, in that it may be repeatedly set for firing at different targets. Since the bomb operates entirely on changes in altitude, the calculation of time required to follow a trajectory between the point of launching and the objective is unnecessary. (Owner) Arthur G. Hayden. Address correspondence to Harry C. Schroeder, Central Bank Bldg., Oakland 12, Calif. Group 33—X2. Reg. No. 5,187.

Pat. 2,392,001. Cutting Tool. Patented Jan. 1, 1946. Machine tool has an improved torsional factor whereby the chips travel upwardly and outwardly in a smooth uniform manner and which reduces the number of cutting operations by virtue of the fact, among others, that the tool is capable of cutting larger chips. (Owner) John R. Raper. Address correspondence to C. G. Stratton, 433 South Spring St., Los Angeles 13, Calif. Group 35—41. Reg. No. 5,188.

TRADE-MARKS

OFFICIAL GAZETTE, MARCH 4, 1947

[Vol. 596. No. 1]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

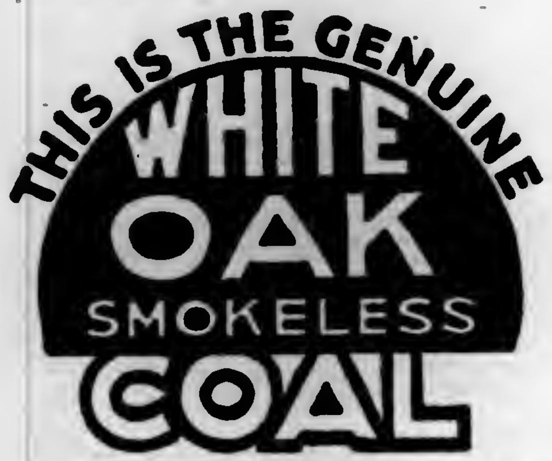
Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 454,617. White Oak Coal Company, Mount Hope, W. Va., assignor to The New River Company, Mount Hope, W. Va., a corporation of West Virginia. Filed July 30, 1942.

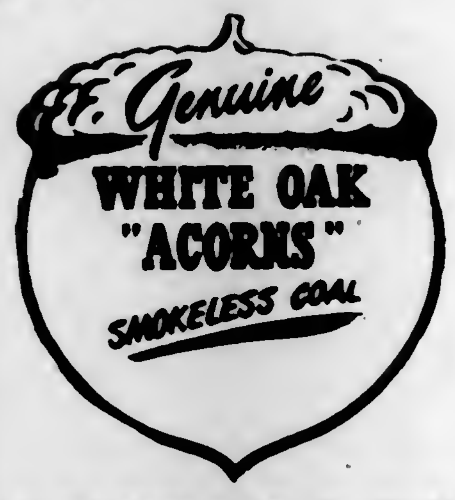


Applicant is the owner of Reg. No. 55,108 (renewed). No claim is made to the words "This is the Genuine," "Smokeless," "Coal" apart from the mark as a whole; applicant reserving the common-law rights in the premises.

FOR COAL.

Claims use since January 1942.

Ser. No. 454,750. White Oak Coal Company, Mount Hope, W. Va., assignor to The New River Company, Mount Hope, W. Va., a corporation of West Virginia. Filed Aug. 5, 1942.



Applicant is the owner of Reg. No. 55,108 (renewed).

No claim is made to the words "Genuine" and "Smokeless Coal" apart from the mark as a whole; applicant reserving the rights in the premises.

FOR COAL.

Claims use since May 13, 1942.

Ser. No. 495,948. Beggs & Cobb, Incorporated, Boston, Mass. Filed Feb. 4, 1946.

WEDGEMERE

FOR UPPER LEATHER.

Claims use since Aug. 16, 1944.

Ser. No. 496,127. Beggs & Cobb, Incorporated, Boston, Mass. Filed Feb. 7, 1946.

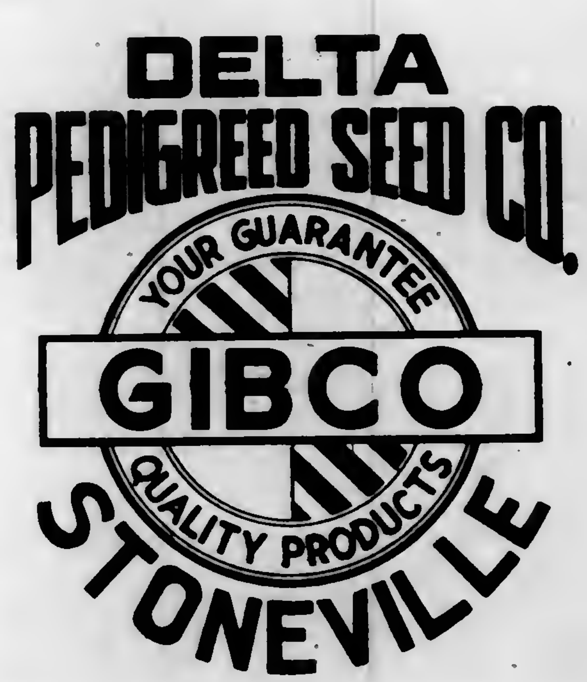
KOMFI KIPS

The word "Kips" is disclaimed apart from the mark thus shown.

FOR UPPER LEATHER.

Claims use since July 6, 1943.

Ser. No. 497,238. T. A. Gibson, doing business as Gibco Delta Pedigreed Seed Co., England, Ark. Filed Feb. 26, 1946.

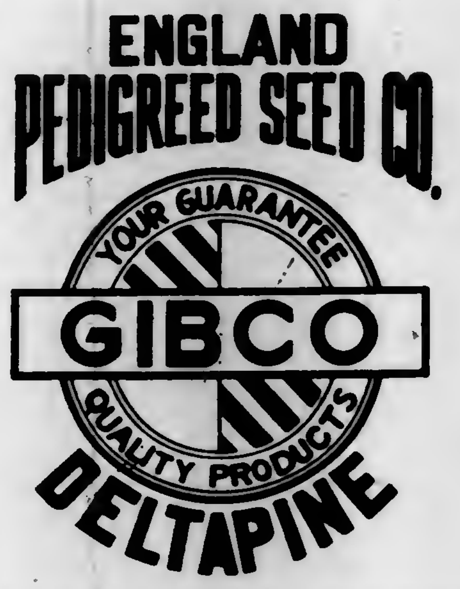


No claim is made to any of the wording shown except the word "Gibco."

FOR COTTON PLANTING SEED.

Claims use since 1934.

Ser. No. 497,239. T. A. Gibson, doing business as Gibco England Pedigreed Seed Co., England, Ark. Filed Feb. 26, 1946.

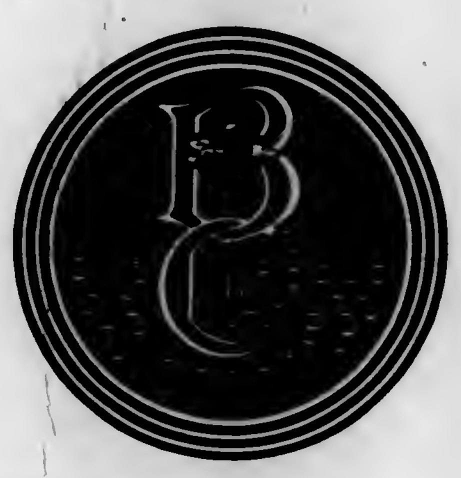


No claim is made, apart from the mark as shown on the drawing, to any of the wording displayed except the word "Gibco" without relinquishing any common-law rights thereto.

FOR COTTON PLANTING SEED.

Claims use since 1934.

Ser. No. 497,445. Beggs & Cobb, Incorporated, Boston, Mass. Filed Mar. 1, 1946.



FOR UPPER LEATHER.

Claims use since Dec. 1, 1910.

Ser. No. 498,343. Elmhurst Flower Growers, Inc., Elmhurst, Ill. Filed Mar. 16, 1946.

CUSTOM

FOR NATURAL FLOWERS—NAMELY, ORCHIDS AND GARDENIAS.

Claims use since Jan. 1, 1942.

Ser. No. 498,344. Elmhurst Flower Growers, Inc., Elmhurst, Ill. Filed Mar. 16, 1946.

ORDENIA

FOR NATURAL FLOWERS—NAMELY, ORCHIDS AND GARDENIAS.

Claims use since Jan. 1, 1942.

Ser. No. 500,204. Beggs & Cobb, Incorporated, Boston, Mass. Filed Apr. 15, 1946.

LEISURITE

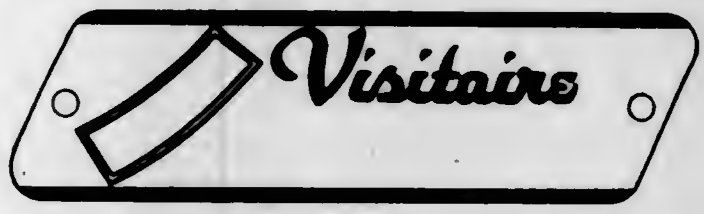
FOR UPPER LEATHER.

Claims use since Mar. 10, 1946.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 502,777. Vogue Luggage Company, Chicago, Ill. Filed May 25, 1946.



Applicant makes no claim to the exclusive use of the representation of a name plate apart from the mark.

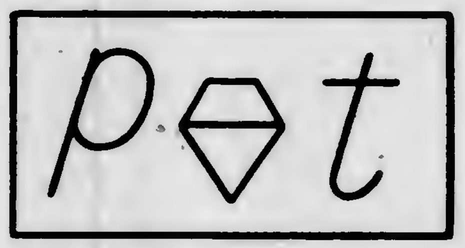
FOR LUGGAGE, PARTICULARLY SUITCASES.

Claims use since Feb. 9, 1946.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 460,010. Jan Tabyaberts, doing business as Precision Diamond Tool Co., Chicago, Ill., assignor to Precision Diamond Tool Company, Chicago, Ill., a corporation of Illinois. Filed Apr. 19, 1943.



No exclusive right to the representation of the diamond apart from that here shown is claimed.

FOR ABRASIVES IN THE FORM OF WHEELS, DISKS, BELTS, PENCILS, SHAFTS, AND THE LIKE FOR USE IN GRINDING, DRESSING, CUTTING, MILLING, BURRING, COUNTERSINKING, SAWING AND CHIP BREAKING.

Claims use since September 1942.

Ser. No. 501,000. Newton, Chambers & Company Limited, near Sheffield, England. Filed Apr. 26, 1946.

IZAL

FOR PERFUMED SOAPS, LIQUID SOAPS, MEDICATED SOAPS, SOFT SOAP, AND SOFT AND HARD DISINFECTANT SOAPS.

Claims use since 1898.

Ser. No. 501,442. Continental Chemical Company, Sacramento, Calif. Filed May 4, 1946.

DET

FOR SOAP FOR LAUNDRY AND HOUSEHOLD USE.

Claims use since Apr. 17, 1946.

Ser. No. 501,573. Haas-Miller Corporation, Philadelphia, Pa. Filed May 7, 1946.

HAMITERGE

FOR COMPOUND FOR GENERAL CLEANING OF WINDOWS, WOODWORK, RUGS, AND FOR SCOURING TEXTILES.

Claims use since Feb. 20, 1946.

Ser. No. 502,178. Antoine de Paris, Inc., New York, N. Y. Filed May 16, 1946.

FEMME

FOR TOILET SOAP.

Claims use since Apr. 20, 1946.

CLASS 5

ADHESIVES

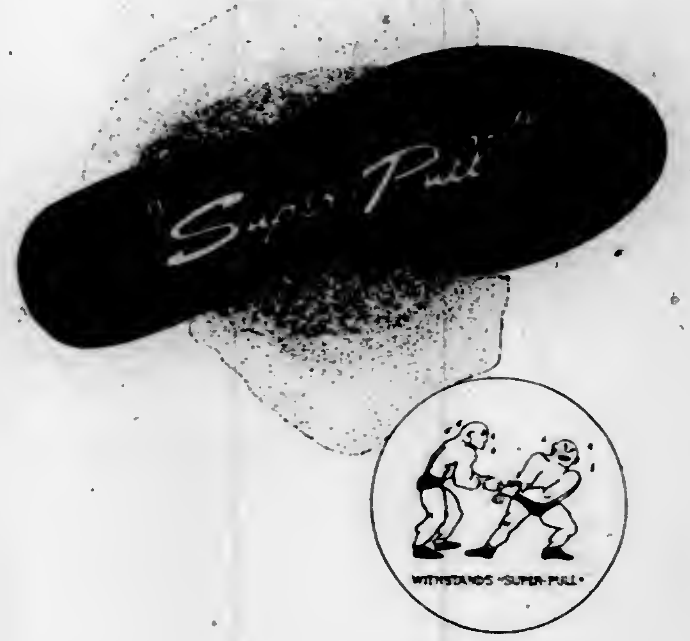
Ser. No. 491,641. General Gummed Products, Inc., New York and Richmond Hill, Long Island, N. Y. Filed Nov. 15, 1945.

,,ATOMIC''

FOR GUMMED PAPER TAPE AND GUMMED CLOTH TAPE FOR GENERAL USE.

Claims use since Nov. 5, 1945.

Ser. No. 510,638. Allied Shoe Machinery Corporation, Haverhill, Mass. Filed Oct. 11, 1946.



The words "Withstands 'Super-Pull,'" and the representation of a shoe sole are disclaimed apart from the mark.

FOR SHOE SOLE-ATTACHING CEMENT.

Claims use since Jan. 4, 1946.

Ser. No. 514,556. Miracle Adhesives Corporation, Newark, N. J. Filed Dec. 19, 1946.

Miracle

FOR ADHESIVES FOR HOUSEHOLD AND INDUSTRIAL USES MADE OF RESINOUS MATERIALS, RUBBER PRODUCTS, STARCHES, OR GLUES.

Claims use since June 1938.

Ser. No. 514,797. The Brunswick-Balke-Collender Company, Chicago, Ill. Filed Dec. 26, 1946.

BRUBALCOL

FOR RUBBER CEMENT.

Claims use since Oct. 19, 1946.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 487,871. STANDARD LABORATORIES, INC., New York, N. Y., assignor to Standard Laboratories, Inc., New York, N. Y., a corporation of Delaware. Filed Aug. 31, 1945.

SL INC

FOR HAIR DRESSINGS.
Claims use since July 31, 1945.

Ser. No. 502,646. LES PARFUMS VERCHERE (PARFUMS JÉROME) SOCIÉTÉ A RESPONSABILITÉE LIMITÉE, St. Honore, Paris, France. Filed May 23, 1946.

Parfums VERCHERE

No claim is made to the word "Parfums" apart from the mark as shown.
FOR PERFUMES, TOILET WATERS, ROUGE, LIPSTICK AND FACE CREAM.
Claims use since Mar. 20, 1945.

Ser. No. 503,833. IMOGENE SHEPHERD, LTD., Chicago, Ill. Filed June 13, 1946.

NAVITA

FOR NAIL OIL.
Claims use since July 7, 1936.

Ser. No. 503,852. JACQUES WOLF & Co., Clifton, N. J. Filed June 13, 1946.

INDIGOLITE

FOR MIXTURE OF SODIUM FORMALDEHYDE SULFOXYLATE AND LEUCOTROPE W FOR WHITE DISCHARGE ON INDIGO DYED GOODS IN TEXTILE PROCESSING.
Claims use since January 1919.

Ser. No. 503,853. JACQUES WOLF & Co., Clifton, N. J. Filed June 13, 1946.

LOUPOLE

FOR A SULPHONATED OIL WITH SOLVENTS USED AS A SCOURING AGENT FOR SYNTHETIC AND NATURAL FIBRES AND AS A PENETRATOR AND EMULSIFIER IN TEXTILE PROCESSING.
Claims use since April 1922.

Ser. No. 503,854. JACQUES WOLF & Co., Clifton, N. J. Filed June 13, 1946.

LUMERCINE

FOR MIXTURE OF VINYLITE COMPOUNDS AND HIGHER POLYALCOHOLS USED IN MERCERIZATION OF COTTON SKEINS AND COTTON CLOTH.
Claims use since Jan. 15, 1946.

Ser. No. 504,114. RAPHAEL LOPEZ, doing business as Maison Raphael, Paris, France. Filed June 18, 1946.

CYNIQUE

FOR PERFUMES, TOILET WATERS, ROUGE, LIPSTICK, AND FACE CREAMS.
Claims use since Nov. 24, 1944.

Ser. No. 504,478. THOMAS H. DONAHUE, doing business as Donahue Manufacturing Co., Los Angeles, Calif. Filed June 24, 1946.

MITROL

FOR INSECTICIDE.
Claims use since Feb. 25, 1946.

Ser. No. 504,508. PARKE, DAVIS & COMPANY, Detroit, Mich. Filed June 24, 1946.

PALADAC

FOR VITAMIN PREPARATION.
Claims use since May 15, 1946.

Ser. No. 505,067. PARFAIT, INCORPORATED, Chicago, Ill. Filed July 3, 1946.

Pink Camellia

No claim is made to the word "Pink" apart from the mark.
FOR LIPSTICK.
Claims use since April 1946.

Ser. No. 509,346. KINETIC CHEMICALS, INC., Wilmington, Del. Filed Sept. 19, 1946.

F-23

FOR TRIFLUOROMETHANE OR FLUOROFORM, BEING FLUORINATED HYDROCARBONS USED AS REFRIGERANTS, PROPELLANTS, AND FIRE EXTINGUISHING PREPARATIONS.
Claims use since Dec. 13, 1945.

Ser. No. 509,347. KINETIC CHEMICALS, INC., Wilmington, Del. Filed Sept. 19, 1946.

F-14

FOR CARBONTETRAFLUORIDE, BEING FLUORINATED HYDROCARBONS USED AS REFRIGERANTS, PROPELLANTS, AND FIRE EXTINGUISHING PREPARATIONS.
Claims use since Feb. 13, 1946.

Ser. No. 509,348. KINETIC CHEMICALS, INC., Wilmington, Del. Filed Sept. 19, 1946.

FREON-23

FOR TRIFLUOROMETHANE OR FLUOROFORM, BEING FLUORINATED HYDROCARBONS USED AS REFRIGERANTS, PROPELLANTS, AND FIRE EXTINGUISHING PREPARATIONS.
Claims use since Dec. 13, 1945.

Ser. No. 511,714. JEAN VIVAUDOU CO. INC., New York, N. Y. Filed Oct. 29, 1946.

GOLD CAMELLIA

Applicant disclaims sole use of the word "Gold" apart from the mark.
FOR PERFUME AND SACHET IN PERFUMED CONTAINERS.
Claims use since June 1, 1946.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Ser. No. 491,147. ACCLES & SHELVOKE LIMITED, Aston, Birmingham, England. Filed Nov. 6, 1945.

CASH

FOR PISTOLS FOR STUNNING ANIMALS PREPARATORY TO SLAUGHTERING.
Claims use since Dec. 31, 1913.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 496,139. HERBERT J. HERIBERT, New York, N. Y. Filed Feb. 7, 1946.

HERIBOL

FOR PRINTING INK AND PRINTING LACQUER, PARTICULARLY FOR USE ON PLASTIC SHEETED ARTICLES, FOR INSTANCE TABLE CLOTH, SHOWER CURTAINS AND THE LIKE, MADE OF PLASTICS.
Claims use since Jan. 24, 1946.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 475,849. HILL-BEHAN LUMBER COMPANY, St. Louis, Mo. Filed Oct. 30, 1944.

HI-BE-CO

FOR ROLL ROOFING COMPOSED OF A RAG FELT BASE SATURATED WITH ASPHALT FLUX OILS AND COATED WITH ASPHALT, PLASTER BOARD, CAULKING COMPOUND AND LOOSE ROCK WOOL FOR THERMAL INSULATION PURPOSES.
Claims use since March 1936.

Ser. No. 495,597. R. J. DORN COMPANY, New Orleans, La. Filed Jan. 29, 1946.

ASBESTONE

FOR CORRUGATED ASBESTOS SHEETS USED FOR ROOFING AND SIDING, ASBESTOS CEMENT FLAT SHEETS, AND ASBESTOS SHINGLES FOR ROOFING AND SIDING.
Claims use since Aug. 29, 1923.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 506,972. TAVART COMPANY, LTD., Los Angeles, Calif. Filed Aug. 6, 1946.

TAVART

FOR OVERHEAD DOOR MOUNTING HARDWARE.
Claims use since Apr. 1, 1945.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 502,689. COLUMBIA TOOL STEEL COMPANY, Chicago Heights, Ill. Filed May 24, 1946.

FORMITE

FOR TOOL STEEL.
Claims use since Jan. 8, 1934.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 500,920. WINDSOR WAX COMPANY, INC., Hoboken, N. J. Filed Apr. 25, 1946.

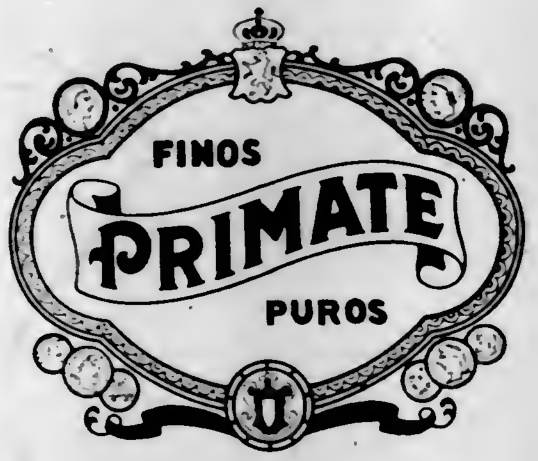
WOODEE

FOR FLOOR WAX.
Claims use since Sept. 5, 1942.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 503,753. PRIMATE CIGAR CO., Brooklyn, N. Y. Filed June 12, 1946.



Applicant is the owner of Reg. No. 231,739. The words "Finos" and "Puros" are disclaimed apart from the mark.
FOR CIGARS.
Claims use since July 15, 1937.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 486,439. SUBMARINE SIGNAL COMPANY, Boston, Mass., now by change of name Raytheon Manufacturing Company, assignor to Submarine Signal Company, Boston, Mass., a corporation of Delaware. Filed July 28, 1945.

Applicant disclaims all wording in the trade-mark as shown in the drawing except the word "Servotron."
FOR ELECTRONIC CONTROL APPARATUS FOR REGULATING VOLTAGE, SPEED AND FREQUENCY OF ELECTRICAL GENERATORS AND MOTORS.
Claims use since July 3, 1945.

Ser. No. 486,726. SENTINEL RADIO CORPORATION, Evanston, Ill. Filed Aug. 4, 1945.

Sentinel

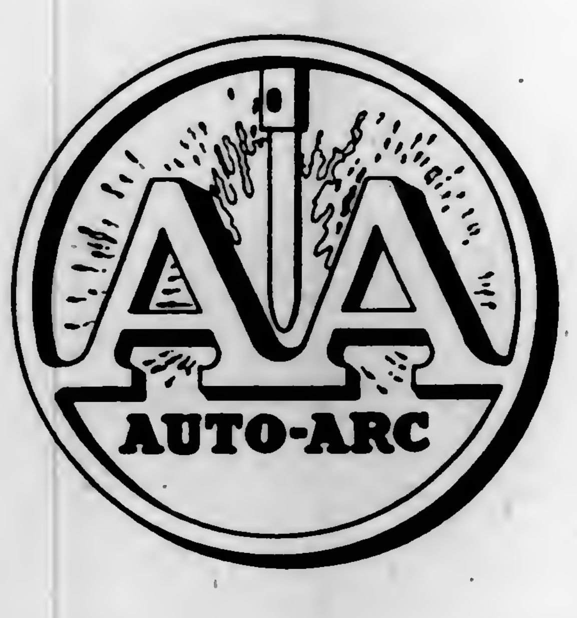
FOR RADIO RECEIVING SETS, INTERCOMMUNICATING RADIO APPARATUS FOR HOMES AND OFFICES, RADIO-PHONOGRAPH COMBINATIONS, ELECTRIC PHONOGRAPHS, AND HOME ELECTRIC RECORD RECORDING APPARATUS AND PARTS THEREOF AND THEREFOR.
Claims use in radio receiving sets since Sept. 1, 1926; on radio-phonograph combinations and electric phonographs since the year 1928; on intercommunicating radio apparatus for homes and offices, and home electric record recording apparatus since the year 1938.

Ser. No. 487,500. DONALD E. CAMPBELL, doing business as The Ace Company (Not Inc.), Ocala, Fla. Filed Aug. 24, 1945.

ACE

FOR A PORTABLE HAND-MANIPULATED ELECTRIC BLOWER FOR BLOWING DIRT AND OTHER PARTICLES FROM INDUSTRIAL MACHINERY OPERATING IN FACTORIES.
Claims use since May 8, 1945.

Ser. No. 489,930. THE AUTO ARC-WELD MANUFACTURING Co., Cleveland, Ohio. Filed Oct. 15, 1945.



The expression "Auto-Arc" and the representation of the goods are disclaimed apart from the mark as shown.
FOR AUTOMATIC ARC WELDING HEADS AND FIXTURES.
Claims use since Nov. 15, 1944.

Ser. No. 490,996. CALIFORNIA ELECTRONICS Co., Los Angeles, Calif. Filed Nov. 3, 1945.

Caltronic

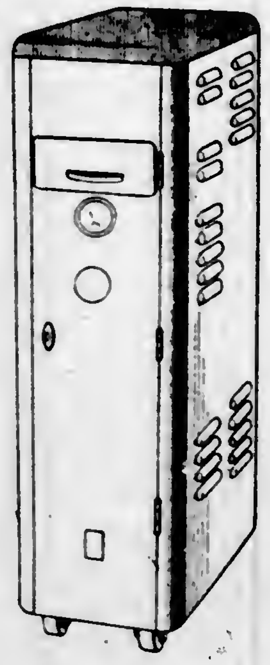
FOR ELECTRIC SOLDERING IRONS.
Claims use since January 1945.

Ser. No. 492,064. LIGHTER-LITE PRODUCTS, Chicago, Ill. Filed Nov. 23, 1945.

Lighter LITE

No exclusive claim is made to the word "Lite" except in connection with the mark as shown.
FOR ELECTRIC EXTENSION CORDS.
Claims use since Nov. 5, 1945.

Ser. No. 497,855. THE GIRDLER CORPORATION, Louisville, Ky. Filed Mar. 8, 1946.



The drawing is lined for red, and the mark consists of a relatively narrow band of red color extending around the upper portion of the casing and continuing across the top and painted or otherwise formed thereon; no claim is made to the representation of a casing.
FOR APPARATUS FOR PRODUCING HIGH FREQUENCY ELECTRIC CURRENTS AND HIGH FREQUENCY ELECTRIC AND MAGNETIC FIELDS AND APPARATUS FOR UTILIZING SUCH CURRENTS AND FIELDS IN THE HEATING OR OTHER TREATMENT OF MATERIALS.
Claims use since July 1, 1944.

Ser. No. 501,426. BETH WEISSMAN, New York, N. Y. Filed May 3, 1946.

BETHWOOD

FOR ELECTRIC LAMPS.
Claims use since June 15, 1939.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 494,476. WILLIAM E. ALBRIGHT, doing business as Bubalot Company, Chicago, Ill. Filed Jan. 9, 1946.

BUBALOT

FOR TOY BUBBLE KITS CONSISTING OF A BUBBLE FORMING LIQUID AND A WAND FOR MAKING BUBBLES.
Claims use since Sept. 1, 1945.

Ser. No. 494,834. GARDEL INDUSTRIES, New York, N. Y. Filed Jan. 16, 1946.

MELO-DEARS

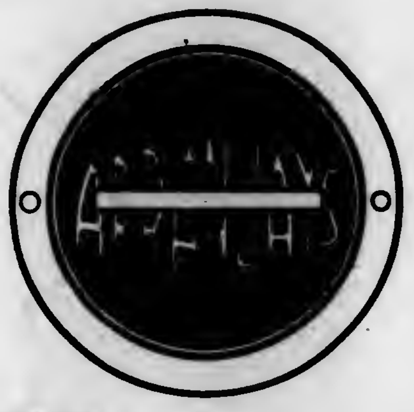
FOR DOLLS.
Claims use since September 1945.

Ser. No. 496,968. HOWARD MANUFACTURING CORPORATION, Council Bluffs, Iowa. Filed Feb. 20, 1946.

Speedmaster

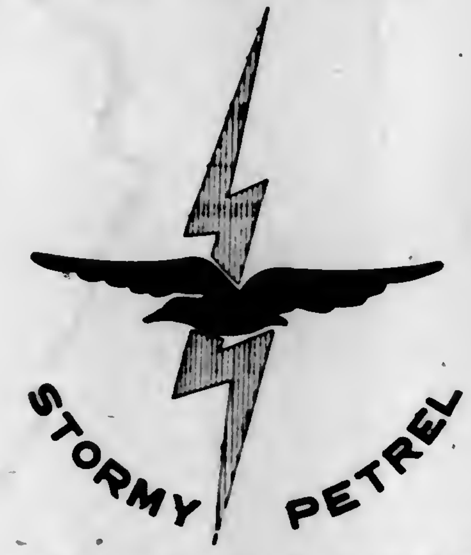
FOR SKATE WHEELS.
Claims use since October 1945.

Ser. No. 498,144. MEYER JACOBY, New York, N. Y. Filed Mar. 13, 1946.



FOR DOLL WIGS.
Claims use since Dec. 7, 1925.

Ser. No. 511,573. PETOSKEY TOOL AND ENGINEERING COMPANY, Petoskey, Mich. Filed Oct. 26, 1946.



The lining shown on the drawing is used for shading purposes only.
FOR TOY SAILS FOR TOY BOATS.
Claims use since Aug. 14, 1946.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 472,328. LEAR AVIA, INC., Piqua, Ohio, now by change of name to Lear, Incorporated. Filed July 17, 1944.

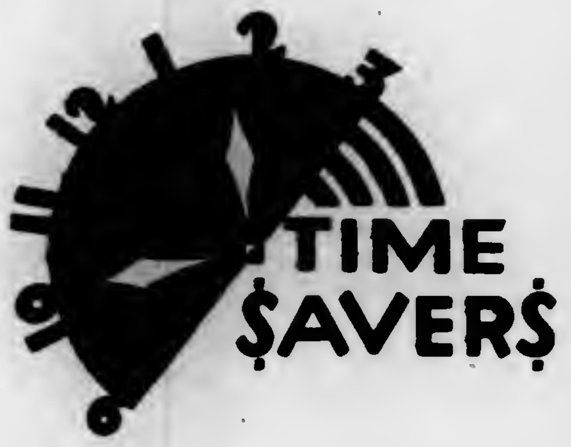
ROTA-BRAKE

The term "Brake" is disclaimed separate and apart from the mark.
FOR MECHANICAL DRIVING SYSTEMS—NAMELY, CLUTCHES AND MECHANICAL BRAKES AND ELECTROMECHANICAL CLUTCH AND BRAKE UNITS FOR MACHINERY OTHER THAN VEHICLES.
Claims use since October 1943.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 489,791. CAESAR A. CALDER, doing business as Time Savers, Montclair, N. J. Filed Oct. 11, 1945.



FOR DEVICES FOR THE LAUNDRY, TO-WIT: SHIRT FINISHING AND FOLDING TABLES, SHIRT FOLDING TABLES, SHIRT FOLDING BOARD AND PARTS THEREFOR, SHIRT CARRIAGES, ROUTE DIVIDERS FOR ROUTING LAUNDRY, INSULATED ALLIGATOR SHIRT CLIPS, CLIPS FOR HOLDING SHIRTS UNBUTTONED, LAUNDRY DRYER CLIPS, BELT CONVEYOR FOR TRANSPORTING FINISHED ARTICLES FROM PRESS OPERATORS TO FINISHERS, LAUNDRY BAG AND NET HOLDER, AND WATER-PRESSURE MOISTENING GUN FOR IRONING BOARDS.
Claims use since Mar. 25, 1938.

Ser. No. 490,285. ERNEST L. CHRISMAN, doing business as E. L. Chrisman Company, Los Angeles, Calif. Filed Oct. 22, 1945.

E
L
CCO

FOR EQUIPMENT FOR DRY CLEANING AND COMMERCIAL LAUNDRY—NAMELY, VALVES, SPOTTING GUNS FOR SPOTTING CLOTHES WITH STEAM, PUFF SETS, OR PUFF IRONS USED FOR FINISHING GARMENTS OR PARTS OF GARMENTS THAT CANNOT BE FINISHED ON A REGULAR GARMENT PRESS, AND PLATES.
Claims use since July 1, 1943.

CLASS 25

LOCKS AND SAFES

Ser. No. 503,175. JOHN SOSSI, doing business as Sossi Mfg. Co., Bayside, Long Island, N. Y. Filed June 1, 1946.

S. O. S.

FOR WINDOW LOCKS.
Claims use since Feb. 1, 1946.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 494,444. EVELYN EDWIN GRIFFITHS, Willaston, Wirral, England. Filed Jan. 8, 1946.

KETASTAT

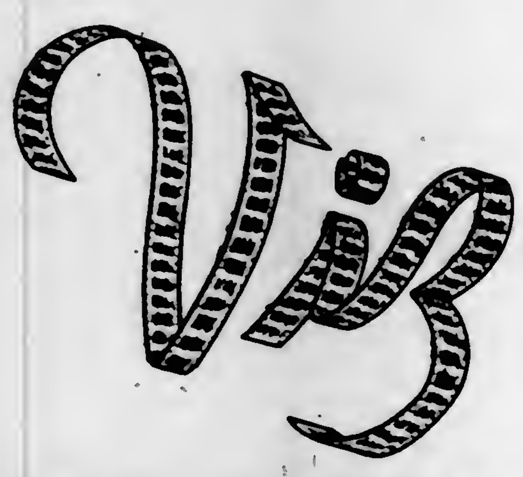
FOR THERMOSTATIC APPARATUS, CONSISTING OF A STEAM PIPE LEADING TO A THERMOSTAT AND A HEAT CONTROLLER OPERATED BY THE THERMOSTAT AND FOR USE FOR CONTROLLING THE RATE OF BOILING OF LIQUIDS IN A KETTLE, STEAMER OR STEW PAN.
Claims use since 1943.

Ser. No. 495,663. GENERAL ANILINE & FILM CORPORATION, New York and Binghamton, N. Y. Filed Jan. 30, 1946.

SPEEDEX
JUNIOR

Applicant is the owner of Reg. Nos. 108,075 (renewed), 377,352, and 409,390.
FOR PHOTOGRAPHIC CAMERAS.
Claims use since May 23, 1940.

Ser. No. 498,960. VIZ, INC., Wichita, Kans. Filed Mar. 25, 1946.



FOR PROJECTING APPARATUS FOR SLIDES AND STRIP FILM, MOTION PICTURE FILM FOR PROJECTORS; FILM AND SLIDES FOR PROJECTING APPARATUS HAVING TEXT MATTER THEREON TO BE PROJECTED ONTO SCREENS OF SAID PROJECTING APPARATUS.
Claims use since Aug. 15, 1945.

Ser. No. 504,332. COMPTONE COMPANY, LTD., New York, N. Y. Filed June 21, 1946.

PEEK-A-BOO

FOR SUNGLASSES, EYEGLASSES, SPECTACLES AND PARTS THEREOF.
Claims use since June 1, 1946.

Ser. No. 504,438. WALTER GOLDSTEIN, doing business as Zenith Optical Laboratory, New York, N. Y. Filed June 22, 1946.

ZENO RAY

The word "Ray" is disclaimed apart from the mark.
FOR SUNGLASSES.
Claims use since May 8, 1946.

Ser. No. 505,574. GENERAL ANILINE & FILM CORPORATION, New York and Binghamton, N. Y. Filed July 13, 1946.

ISCONA

FOR SENSITIZED PHOTOGRAPHIC FILM.
Claims use since June 27, 1946.

Ser. No. 505,640. CHARLES H. FOSTER, New York, N. Y. Filed July 15, 1946.

PEEPERS

FOR OPTICAL GOODS—NAMELY, LENSES, SPECTACLES, SUNGLASSES, EYE SHADES, AND PARTS THEREOF.
Claims use since Dec. 21, 1944.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 481,101. COMPAGNIE DES MONTRES ARDATH, DREYFUSS & CIE (ARDATH WATCH CO., DREYFUSS & CO.), Geneva, Switzerland. Filed Mar. 20, 1945.

ARDATH

FOR WATCHES AND WATCH MOVEMENTS.
Claims use since Jan. 1, 1935.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 476,583. STAR RING MANUFACTURING COMPANY, Buffalo, N. Y. Filed Nov. 17, 1944.

Star

FOR FINGER RINGS.
Claims use since Nov. 1, 1919.

Ser. No. 488,535. KERCO JEWELLERY LIMITED, Montreal, Quebec, Canada. Filed Sept. 15, 1945.

KERCO

FOR JEWELRY AND JEWELRY NOVELTIES NOT INCLUDING WATCHES, MADE OF GOLD, SILVER AND PRECIOUS AND SEMI-PRECIOUS METAL, AND CONSISTING OF RINGS, PENDANTS, EARRINGS, BRACELETS, COMPACTS, NECK AND WATCH CHAINS, PEN KNIVES, CIGARETTE CASES, BROOCHES, CROSSES, SCARF PINS, DRESS SHIRT SETS, COLLAR HOLDERS, DIAMOND RINGS, WATCH STRAPS, WATCH BRACELETS, BRACELET SETS, CLIPS, ROSARIES, LIGHTERS, TIE HOLDERS, BUCKLE SETS, LINKS FOR LENGTHENING NECK AND WATCH CHAINS.
Claims use since Feb. 12, 1928.

Ser. No. 494,035. CORO, INC., New York, N. Y. Filed Dec. 29, 1945.

VANITY FAIR

FOR NECKLACES, BRACELETS, FINGER RINGS, EARRINGS, JEWELRY CLIPS, BROOCHES, LOCKETS, AND THE FOLLOWING GOODS MADE IN WHOLE OR IN PART OF PRECIOUS METALS OR PLATED WITH THE SAME: BEADS, PINS, HAT ORNAMENTS, HAIR ORNAMENTS, HOLDERS FOR FACE POWDER COMPACTS, COMB CASES, CIGARETTE CASES, FANCY BUCKLES AND JEWELRY INITIALS.
Claims use since Oct. 1, 1945.

Ser. No. 495,733. DAVID GRAD COMPANY, New York, N. Y. Filed Jan. 31, 1946.

COSTUME
jewelry
by
Donna

No claim is made to the words "Costume Jewelry by" except as shown.
FOR COSTUME JEWELRY.
Claims use since Jan. 10, 1946.

Ser. No. 503,613. H. STEELE Y CIA., S. A., Mexico City, Mexico. Filed June 10, 1946.

HASTE

FOR JEWELRY FOR PERSONAL WEAR, NOT INCLUDING WATCHES; AND STERLING SILVER AND SILVERPLATED TABLE FLAT WARE AND HOLLOW WARE.
Claims use since June 15, 1945.

Ser. No. 504,784. ONEIDA LTD., Sherrill and Oneida, N. Y. Filed June 28, 1946.

TOGETHER

FOR SILVERPLATED FLAT TABLEWARE.
Claims use since June 12, 1946.

Ser. No. 505,938. ONEIDA LTD., Sherrill and Oneida, N. Y. Filed July 11, 1946.

Evening Star

FOR SILVERPLATED FLAT TABLEWARE.
Claims use since June 25, 1946.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 479,532. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Feb. 7, 1945.

The portrait shown is fanciful.
FOR STABLE BRUSHES.
Claims use since Jan. 15, 1941.

Ser. No. 500,745. DOHRMANN HOTEL SUPPLY CO., San Francisco, Calif. Filed Apr. 23, 1946.

DOHRCO

FOR JANITORIAL SUPPLIES—NAMELY, BROOMS, MOPS, FLOOR AND FURNITURE BRUSHES, AND FEATHER DUSTERS.
Claims use since Mar. 1, 1928.

Ser. No. 501,014. I. SEKINE COMPANY, INC., New York, N. Y. Filed Apr. 26, 1946.

VITALON

FOR TOOTHBRUSHES.
Claims use since August 1942.

Ser. No. 501,955. CAPITOL PRODUCTS COMPANY, Baltimore, Md. Filed May 13, 1946.

PRESTO

FOR MOPS.
Claims use since May 1, 1946.

Ser. No. 504,161. RONALD GAGE DAVIS, doing business as The Spartan Company, Minneapolis, Minn. Filed June 19, 1946.

Spartan

The mark consists of the word "Spartan."
FOR SPONGE MOPS.
Claims use since Dec. 19, 1945.

Ser. No. 505,417. A. G. JACOBUS' SONS, INC., Verona, N. J. Filed July 11, 1946. Under 10-year proviso.

JACOBUS

FOR HOUSEHOLD BRUSHES—NAMELY, BATH BRUSHES, CLOTHES BRUSHES, DUST BRUSHES, FLOOR BRUSHES, FURNITURE BRUSHES, LAMPSHADE BRUSHES, PAINT BRUSHES, RADIATOR BRUSHES, SCRUB BRUSHES, SHOE BRUSHES, SILVER BRUSHES, AND WINDOW BRUSHES.
Claims use since 1835.

Ser. No. 505,418. A. G. JACOBUS' SONS, INC., Verona, N. J. Filed July 11, 1946. Under 10-year proviso.

SINCE 1835
fine
brushes
by
JACOBUS

FOR HOUSEHOLD BRUSHES—NAMELY, BATH BRUSHES, CLOTHES BRUSHES, DUST BRUSHES, FLOOR BRUSHES, FURNITURE BRUSHES, LAMPSHADE BRUSHES, PAINT BRUSHES, RADIATOR BRUSHES, SCRUB BRUSHES, SHOE BRUSHES, SILVER BRUSHES, AND WINDOW BRUSHES.
Claims use since 1835.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 490,294. CURRAN CUSHION & TEXTILE CO., Downers Grove, Ill. Filed Oct. 22, 1945.

LOAFER

FOR SEATS AND BACK RESTS OF THE SPORTING FURNITURE TYPE FOR BEACHES AND SIMILAR USES.
Claims use since Sept. 1, 1945.

Ser. No. 495,707. WILSON JONES COMPANY, Chicago, Ill. Filed Jan. 30, 1946.

Liberty

FOR POSTING TRAYS FOR SHEETS USED IN MACHINE BOOKKEEPING.
Claims use since Jan. 2, 1934.

Ser. No. 502,844. RILEY BROTHERS, Kansas City, Mo. Filed May 27, 1946.

HI-LO-GO

FOR COMBINED HIGH CHAIR AND STROLLER FOR INFANTS.
Claims use since Mar. 11, 1946.

Ser. No. 507,112. WILTON C. DINGES, doing business as The Emeco Co., Baltimore, Md. Filed Aug. 9, 1946.

HOUR GLASS

FOR HOUSEHOLD CHAIRS, BREAKFAST SETS, COMPOSED OF TABLES AND CHAIRS, UTILITY TABLES, DINETTE TABLES, KITCHEN CABINETS, CHAISE LOUNGES, BENCHES, AND STOOLS.
Claims use since June 25, 1946.

CLASS 37

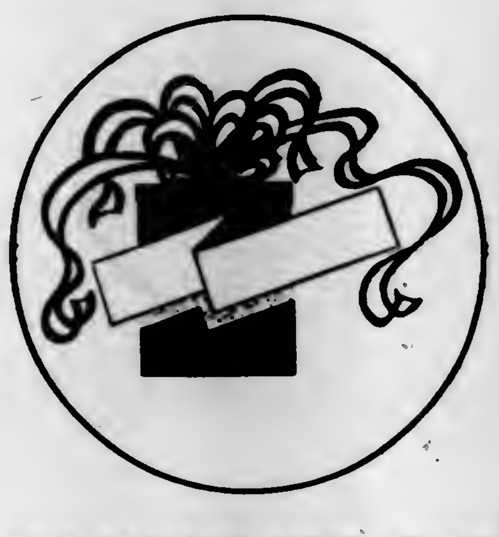
PAPER AND STATIONERY

Ser. No. 484,666. CARPENTER PAPER COMPANY, Omaha, Nebr. Filed June 18, 1945.

OPEEK-OPAKE

Applicant is the owner of Reg. No. 289,953. No claim is made to the word "Opake" apart from the mark.
FOR CORRESPONDENTS ENVELOPES.
Claims use since Jan. 16, 1945.

Ser. No. 493,759. GIFT WRAPPINGS, INC., New York, N. Y. Filed Dec. 22, 1945.



FOR FANCY WRAPPING PAPER AND FOIL WRAPPING PAPER SOLD IN SHEET AND ROLL FORM.
Claims use since Dec. 12, 1945.

Ser. No. 493,902. UNITED STATES ENVELOPE COMPANY, doing business under the name and style of one of its divisions, P. P. Kellogg & Co., Springfield, Mass. Filed Dec. 26, 1945.

Flowering Meadow

FOR CORRESPONDENCE PAPER AND ENVELOPES.
Claims use since Aug. 14, 1944.

Ser. No. 502,348. TEX-RITE PRODUCTS Co., Detroit, Mich. Filed May 17, 1946.

TEX-RITE

The term "Rite" is disclaimed apart from the mark.
FOR FOUNTAIN PENS.
Claims use since May 28, 1945.

Ser. No. 503,964. AMERICAN WRITING PAPER CORPORATION, Holyoke, Mass. Filed June 15, 1946.

EAGLE-A DANDESIGN

FOR WRITING AND PRINTING PAPER.
Claims use since May 2, 1946.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 492,741. A. NEIL SAWYER, doing business as A. Neil Sawyer Co., New York, N. Y. Filed Dec. 5, 1945.

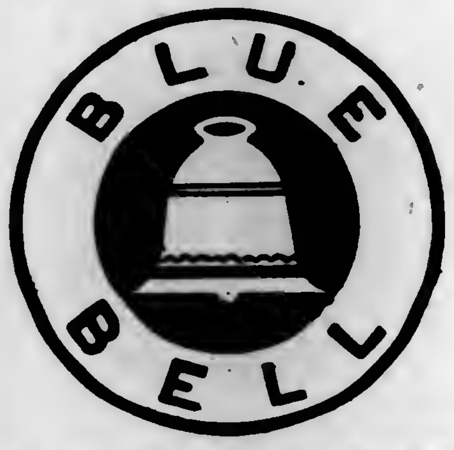
Sweet SIXTEEN

FOR MAGAZINE PUBLISHED PERIODICALLY.
Claims use since Nov. 29, 1945.

CLASS 39

CLOTHING

Ser. No. 472,413. BLUE BELL, INC., Greensboro, N. C. Filed July 20, 1944.



FOR MEN'S, WOMEN'S, BOYS' AND GIRLS' OVERALLS, JUMPERS, WORK JACKETS, WORK SHIRTS, WORK PANTS, MATCHED SHIRTS, MATCHED PANTS, DUNGAREES, BLANKET LINED COATS, COSSACK STYLE COATS AND ONE-PIECE SUITS.

Claims use on the goods stated of the words "Blue Bell" since July 10, 1908; of the picture of a bell associated with the word "Bell" since Feb. 1, 1903; and of the picture of the bell on a red background in conjunction with the words "Blue Bell" on a blue background since August 1943.

Ser. No. 486,277. JACK RUBEL, New York, N. Y. Filed July 25, 1945.

TAM TYPICAL AMERICAN MISS...

The term "Typical American Miss" is hereby disclaimed apart from the mark as shown.
FOR FUR COATS, FUR CAPES, FUR SCARFS, FUR MUFFS, AND FUR SUITS.
Claims use since June 1945.

Ser. No. 490,290. COLUMBIA COAT COMPANY, Boston, Mass. Filed Oct. 22, 1945.

Velair

The mark consists of the word "Velair."
FOR MEN'S OVERCOATS AND TOP COATS.
Claims use since Feb. 1, 1945.

Ser. No. 494,088. HERBERT LEVENSON, New York, N. Y. Filed Dec. 29, 1945.

SLUMBERTEENS

FOR MEN'S, WOMEN'S, AND CHILDREN'S ONE PIECE PAJAMAS, TWO PIECE PAJAMA SUITS, NIGHT SHIRTS, AND NIGHT GOWNS.
Claims use since Nov. 1, 1945.

Ser. No. 494,965. EVEN-PUL FOUNDATIONS, INC., New York, N. Y. Filed Jan. 18, 1946.

"Rocket"

FOR BRASSIÈRES AND BANDEAUX.
Claims use since Dec. 20, 1945.

Ser. No. 501,713. JANE CARTER, INC., New York, N. Y. Filed May 9, 1946.

BARCEE

FOR BLOUSES FOR GIRLS.
Claims use since Apr. 28, 1946.

Ser. No. 503,364. GROVES SHOE Co., Chicago, Ill. Filed June 6, 1946.

Eileen

FOR SHOES AND SLIPPERS CONSTRUCTED OF LEATHER, FABRIC, AND STRAW.
Claims use since Aug. 26, 1943.

Ser. No. 505,306. I. B. KLEINERT RUBBER COMPANY, New York, N. Y. Filed July 9, 1946.

Off-Timers

FOR MEN'S CASUAL AND PLAY SHOES.
Claims use since Mar. 20, 1940.

Ser. No. 505,338. DANBURY RUBBER Co., INC., Danbury, Conn. Filed July 10, 1946.

DANOLITE

FOR SHOE SOLES AND HEELS.
Claims use since June 1, 1946.

Ser. No. 506,140. THE SUPERB GLOVE COMPANY, Johnstown, N. Y. Filed July 23, 1946.

BUTTONAIRE

FOR LADIES', MEN'S, AND CHILDREN'S GLOVES OF LEATHER, FABRIC, AND COMBINATIONS THEREOF.
Claims use since Mar. 27, 1945.

Ser. No. 506,177. MABEL UNDERGARMENT, INC., New York, N. Y. Filed July 24, 1946.

Loc-Tex

FOR NIGHTGOWNS, SLIPS, PAJAMAS, NEGLIGEES, ROBES, PANTIES, BRASSIÈRES, AND GIRDLES.
Claims use since June 18, 1946.

Ser. No. 506,357. WM. P. GOLDMAN & BROS. INC., New York, N. Y. Filed July 26, 1946.

Glen Guard

FOR MEN'S SUITS, SPORT COATS, SLACKS, TOPCOATS, OVERCOATS, AND LEISURE JACKETS.
Claims use since March 1936.

Ser. No. 506,971. TAILORED SILK UNDERGARMENT CO. INC., New York, N. Y. Filed Aug. 6, 1946.

SHAR-LOO
TRILLIUM

Applicant is the owner of Reg. No. 387,390 and Reg. No. 149,256 (renewed).
FOR WOMEN'S AND MISSES' SLIPS AND NIGHTGOWNS, DRESSES, BLOUSES, PAJAMAS, AND BATH ROBES.
Claims use since Feb. 6, 1941.

Ser. No. 507,106. CARR MANUFACTURING COMPANY, San Antonio, Tex. Filed Aug. 9, 1946.

Carrcraft

FOR LADIES' AND GIRLS' SPORTSWEAR—NAMELY, SUITS, COATS, AND SLACK SUITS.
Claims use since Jan. 5, 1945.

Ser. No. 507,249. FOLKER FABRICS CORP., New York, N. Y. Filed Aug. 12, 1946. Under the act of February 20, 1905, as amended June 10, 1938.

BILLIONAIRE

FOR LADIES', MISSES', AND GIRLS' DRESSES, BLOUSES, PLAYSUITS, JUMPERS, SKIRTS, NEGLIGEES, AND MEN'S AND BOYS' SPORT SHIRTS, NECKTIES, AND SCARFS.
Claims use since Nov. 15, 1945.

Ser. No. 507,298. COHEN BROS. DRESS CORP., New York, N. Y. Filed Aug. 13, 1946.

Evanna

The mark consists of the word "Evanna."
FOR WOMEN'S AND MISSES' DRESSES.
Claims use since June 3, 1946.

Ser. No. 507,371. CENTURY SPORTSWEAR CO., INC., Boston, Mass. Filed Aug. 14, 1946.

"notables"

FOR WOMEN'S, MISSES', AND JUNIOR SKIRTS, SHIRTS, SHORTS, SLACKS, SUITS, JACKETS, VESTS, AND JERKINS.
Claims use since May 13, 1946.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 488,559. AMERICAN BEAUTY AIDS MFG. CO. INC., New York, N. Y. Filed Sept. 17, 1945.

Softies

FOR NON-ELECTRIC HAIR CURLERS.
Claims use since Aug. 10, 1945.

Ser. No. 492,468. RYAN DISTRIBUTING CORPORATION, Brookline, Mass. Filed Nov. 30, 1945.

Jiffy

FOR FLEXIBLE WAVERS AND CURLERS NOT ELECTRICAL.
Claims use since Aug. 15, 1941.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 501,403. PACIFIC MILLS, Boston, Mass., and New York, N. Y. Filed May 8, 1946.

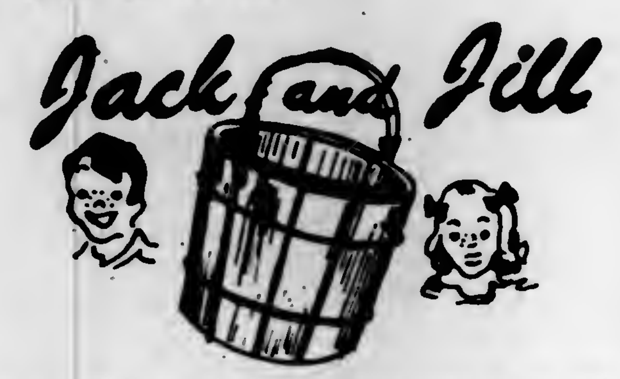
Supersorb

FOR FACE AND BATH TOWELS AND FACE CLOTHS.
Claims use since Apr. 5, 1946.

CLASS 43

THREAD AND YARN

Ser. No. 505,372. VIKING YARN MILLS, INC., Philadelphia, Pa. Filed July 10, 1946.



Pictures of the boy and girl appearing in the mark are fanciful.
FOR YARN.
Claims use since Sept. 15, 1945.

Ser. No. 506,524. THE HARTFORD RAYON CORPORATION, Rocky Hill, Conn. Filed July 30, 1946.

FEATHERAY

FOR VISCOSE RAYON YARN.
Claims use since May 3, 1946.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 485,990. DUREX PRODUCTS, INCORPORATED, New York, N. Y. Filed July 19, 1945.

METRI-DOSE

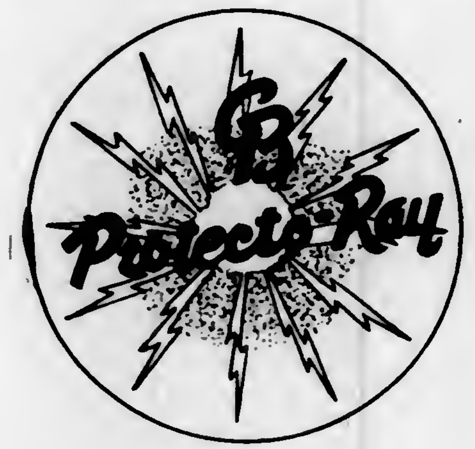
The word "Dose" is disclaimed apart from the mark as shown.
FOR APPLICATORS FOR PLACING MEASURED DOSAGES OF MEDICATION IN VARIOUS BODY CAVITIES.
Claims use since August 1941.

Ser. No. 494,674. GUDEBROD BROTHERS SILK COMPANY, INCORPORATED, doing business as Gudebrod Bros. Silk Co., Incorporated, Philadelphia, Pa. Filed Jan. 12, 1946.

Mintraumatic

FOR SURGICAL SUTURES.
Claims use since Jan. 15, 1945.

Ser. No. 494,952. C-B TOOL COMPANY, Lancaster, Pa. Filed Jan. 18, 1946.



The word "Ray" is disclaimed apart from the mark as shown.
FOR GERMICIDAL LAMPS.
Claims use since Oct. 15, 1945.

Ser. No. 496,981. PYCOPÉ, INC., Jersey City, N. J. Filed Feb. 20, 1946.

Py-co-Tip

The word "Tip" is disclaimed apart from the mark.
FOR GUM MASSAGING ATTACHMENTS FOR TOOTHBRUSHES.
Claims use since Feb. 15, 1946.

CLASS 46

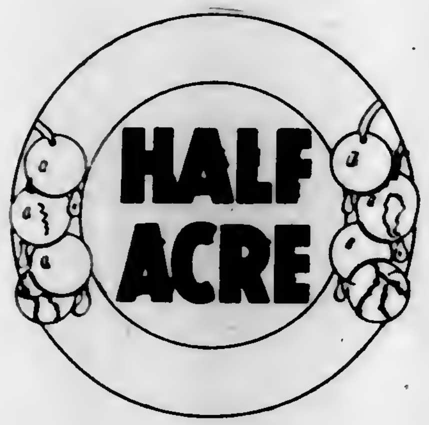
FOODS AND INGREDIENTS OF FOODS

Ser. No. 488,988. BENNETT-RAY CANNING COMPANY, Pharr, Tex. Filed Sept. 26, 1945.

DonRio

FOR CANNED TOMATOES, GRAPEFRUIT JUICE, A BLEND OF GRAPEFRUIT AND ORANGE JUICES, TOMATO JUICE AND TOMATO PURÉE.
Claims use since May 27, 1944.

Ser. No. 489,814. MERRILL CANDY COMPANY, Merrill, Wis. Filed Oct. 11, 1945.



No claim is made to the representation of the cherries apart from the mark.

FOR BAR CANDY.

Claims use since Sept. 12, 1932.

Ser. No. 497,194. PARROTT & Co., San Francisco, Calif. Filed Feb. 25, 1946.

Applicant is the owner of Reg. No. 88,358.

FOR CANNED FRUITS.

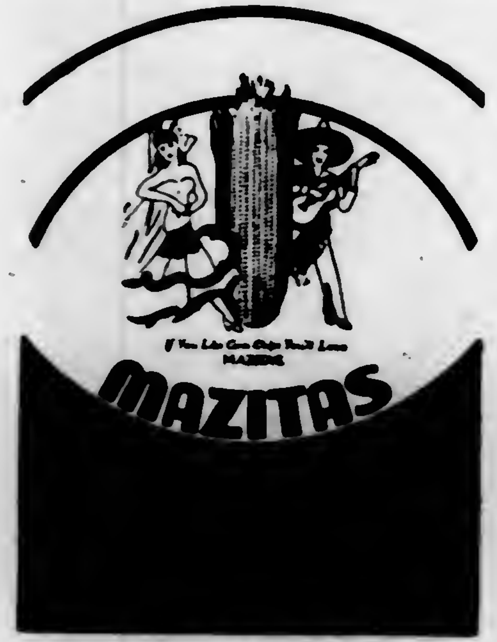
Claims use since Apr. 1, 1915.

Ser. No. 501,745. L. AND S. PACKING CO., INC., Long Island City, N. Y. Filed May 9, 1946.

FOR OLIVE OIL, BOTTLED PEPPERS, BOTTLED PIMENTOS, OLIVES, MARASCHINO CHERRIES, AND BOTTLED BELL PEPPERS.

Claims use since Apr. 15, 1946.

Ser. No. 502,620. JAMES P. BUSH, doing business as Bush & Long Potato Chip Co., El Paso, Tex. Filed May 23, 1946.



Applicant is the owner of Reg. No. 399,442. No claim is made to the exclusive right to use the words "corn chips" or the representation of the ear of corn, apart from the mark as shown. The representations of the persons illustrated in the drawing are fanciful.

FOR CORN CHIPS.

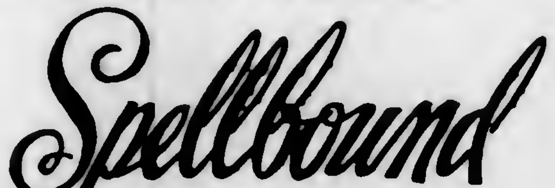
Claims use since Feb. 10, 1946.

Ser. No. 505,708. MASON, AU & MAGENHEIMER CONF. MFG. Co., Brooklyn, N. Y. Filed July 16, 1946.

FOR CANDIES.

Claims use since June 7, 1946.

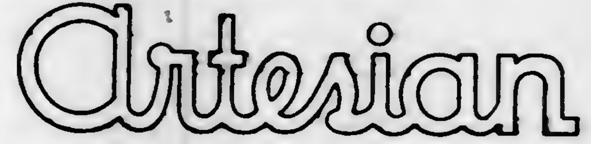
Ser. No. 505,709. MASON, AU & MAGENHEIMER CONF. MFG. Co., Brooklyn, N. Y. Filed July 16, 1946.



FOR CANDIES.

Claims use since May 3, 1946.

Ser. No. 512,516. MINNESOTA VALLEY CANNING COMPANY, Le Sueur, Minn. Filed Nov. 13, 1946.



FOR CANNED PEAS AND CORN.

Claims use since July 31, 1903.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

MARCH 4, 1947

427,934. BIRD HOUSES; RUBBER KNEELING PADS FOR PROTECTION OF THE KNEES WHEN KNEELING; AND TREE PROTECTORS, ETC. ALBERT C. FISCHER, doing business as Servicised Products Company, Chicago, Ill.
Filed April 16, 1943. Serial No. 459,927. PUBLISHED DECEMBER 3, 1946. Class 50.

427,935. BUILDING TILE. NATIONAL FIREPROOFING CORPORATION, Pittsburgh, Pa.
Filed February 6, 1945. Serial No. 479,489. PUBLISHED DECEMBER 17, 1946. Class 12.

427,936. GARDEN AND FIELD SEED. DESSERT SEED Co., El Centro, Calif.
Filed February 20, 1945. Serial No. 480,012. PUBLISHED DECEMBER 17, 1946. Class 1.

427,937. VAPORIZERS FOR MEDICAMENTS WHICH CAN ALSO BE USED AS HUMIDIFIERS. RONALD GAGE DAVIS, doing business as The Spartan Company, Minneapolis, Minn.
Filed March 30, 1945. Serial No. 481,525. PUBLISHED DECEMBER 18, 1945. Class 44.

427,938. VIOLINS, GUITARS, BANJOS, UKULELES, MANDOLINS, DRUMS, CORNETS, TRUMPETS, SAXOPHONES, AND CLARINETS. THE FRED GRETSCH MANUFACTURING Co., Brooklyn, N. Y.
Filed April 24, 1945. Serial No. 482,531. PUBLISHED DECEMBER 3, 1946. Class 36.

427,939. ELECTRIC OVENS EQUIPPED WITH ELECTRIC HEATING ELEMENTS AND WITH HOT AIR BLAST CIRCULATING FANS, ETC. THE W. L. MAXSON CORPORATION, New York, N. Y., assignor to Maxson Food Systems, Inc., New York, N. Y.
Filed April 27, 1945. Serial No. 482,689. PUBLISHED DECEMBER 17, 1946. Class 21.

427,940. ELECTRIC CONNECTORS, ELECTRIC TERMINALS, ELECTRIC CONNECTING PLUGS, ELECTRIC SOCKETS, ELECTRIC WIRING OUTFITS, ETC. H. A. DOUGLAS M'F'G. Co., Bronson, Mich.
Filed August 10, 1945. Serial No. 486,987. PUBLISHED DECEMBER 17, 1946. Class 21.

427,941. FLASHLIGHTS. RODGER F. BECKER, doing business as Mercator Manufacturing Company, Kalamazoo, Mich.
Filed August 20, 1945. Serial No. 487,299. PUBLISHED DECEMBER 17, 1946. Class 21.

427,942. WHEELED CANES FOR THE BLIND. HARRY J. DENEAU, Monterey Park, Calif.
Filed September 5, 1945. Serial No. 487,999. PUBLISHED DECEMBER 17, 1946. Class 41.

427,943. BOBBY PINS AND HAIRPINS (SAID BOBBY PINS AND HAIRPINS BEING MORE PARTICULARLY DESCRIBED AS COMPOSED AND MADE OF STEEL, ETC. GAYLORD PRODUCTS, INCORPORATED, Chicago, Ill.
Filed October 26, 1945. Serial No. 490,532. PUBLISHED DECEMBER 17, 1946. Class 40.

427,944. STAND FOR HOLDING UPRIGHT A CHRISTMAS TREE DURING THE PERIOD OF ITS USE. S-B MANUFACTURING COMPANY, Milwaukee, Wis.
Filed November 3, 1945. Serial No. 491,029. PUBLISHED DECEMBER 3, 1946. Class 50.

427,945. SACHETS. LEWIS P. WEIL, Germantown, Pa.
Filed November 8, 1945. Serial No. 491,297. PUBLISHED DECEMBER 17, 1946. Class 40.

427,946. HOLDERS FOR FLUORESCENT LAMPS. THE LLOYD PRODUCTS COMPANY, Providence, R. I.
Filed November 23, 1945. Serial No. 492,065. PUBLISHED DECEMBER 17, 1946. Class 21.

427,947. GRAY IRON CASTINGS. HURON GRAY IRON FOUNDRY COMPANY, Ypsilanti, Mich.
Filed December 1, 1945. Serial No. 492,498. PUBLISHED DECEMBER 17, 1946. Class 14.

427,948. ELECTRICAL CAPACITORS. TOBE DEUTSCHMANN CORPORATION, Canton, Mass.
Filed December 3, 1945. Serial No. 492,551. PUBLISHED DECEMBER 17, 1946. Class 21.

427,949. IRREGULARLY CUT OR COMMINUTED TEXTILE FIBRES—NAMELY, COTTON, RAYON, OR WOOL USED AS A SURFACE COATING FLOCK FOR SURFACES. THE RAYON PROCESSING CO. OF R. I. INC., Central Falls, R. I.
Filed December 4, 1945. Serial No. 492,662. PUBLISHED DECEMBER 17, 1946. Class 1.

427,950. WORD GAME CONSISTING OF A GAME BOARD AND MOVABLE PIECES. ALBERT W. H. HIRSCH, Tampa, Fla.
Filed December 14, 1945. Serial No. 493,267. PUBLISHED DECEMBER 17, 1946. Class 22.

427,951. SPRING TOYS. RICHARD T. JAMES, Brookline, Pa., assignor to James Industries, Inc., Germantown, Philadelphia, Pa., a corporation of Pennsylvania.
Filed December 29, 1945. Serial No. 494,073. PUBLISHED DECEMBER 17, 1946. Class 22.

427,952. TOY BUILDING BLOCK SETS FOR CONSTRUCTING TOY HOUSES. PAUL A. LINCK, New York, N. Y.
Filed Dceember 29, 1945. Serial No. 494,091. PUBLISHED DECEMBER 17, 1946. Class 22.

427,953. CIGARS. JACKMAN CIGAR MFG. Co., Detroit, Mich.
Filed January 7, 1946. Serial No. 494,403. PUBLISHED DECEMBER 17, 1946. Class 17.

427,954. CHILDREN'S PLAYTOYS, A SET OF WHICH CONSISTS OF A CARDBOARD BOAT AND EIGHT PLASTIC SOLDIERS. T. BARRY HODGE, Chicago, Ill.
Filed January 11, 1946. Serial No. 494,606. PUBLISHED DECEMBER 17, 1946. Class 22.

427,955. CRINOLINE SKIRTS. I. & M. Co., Brooklyn, N. Y.
Filed January 12, 1946. Serial No. 494,688. PUBLISHED DECEMBER 17, 1946. Class 39.

427,956. GASOLINE. ROYAL PETROLEUM CORPORATION, New York, N. Y.
Filed January 24, 1946. Serial No. 495,335. PUBLISHED DECEMBER 3, 1946. Class 15.

427,957. FUEL OIL FOR DOMESTIC AND INDUSTRIAL USE, AND BUNKER OIL. ROYAL PETROLEUM CORPORATION, New York, N. Y.
Filed January 24, 1946. Serial No. 495,336. PUBLISHED DECEMBER 3, 1946. Class 15.

427,958. DICTATING MACHINES. EDWARD J. LONG, doing business as Universal Dictating Machine Co., New York, N. Y.
Filed January 26, 1946. Serial No. 495,483. PUBLISHED DECEMBER 3, 1946. Class 36.

427,959. WELDING RODS—NAMELY, WELDING RODS MADE OF A NICKEL ALLOY FOR HARD SURFACING OF FERROUS PRODUCTS. The International Nickel Company, Inc., New York, N. Y.

Filed January 29, 1946. Serial No. 495,606. PUBLISHED DECEMBER 17, 1946. Class 14.

427,960. SKATE WHEELS. Howard Manufacturing Corporation, Council Bluffs, Iowa.

Filed February 20, 1946. Serial No. 496,963. PUBLISHED DECEMBER 17, 1946. Class 22.

427,961. MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY. Enrico Lamberti, doing business as General Export & Import Co., New York, N. Y.

Filed March 2, 1946. Serial No. 497,547. PUBLISHED DECEMBER 17, 1946. Class 39.

427,962. AUTOMOBILE KITS CONSISTING OF: SMALL TOOLS, CLOTHES BRUSH, DUST CLOTH, CLEANING FLUID, WORKING GLOVES, ETC. New Yorker Leather Goods Corp., New York, N. Y.

Filed March 2, 1946. Serial No. 497,557. PUBLISHED DECEMBER 17, 1946. Class 50.

427,963. SIMULATED LEATHER. Gold Seal Importers, Inc., New York, N. Y.

Filed March 6, 1946. Serial No. 497,709. PUBLISHED DECEMBER 10, 1946. Class 50.

427,964. GARTERS, SUSPENDERS, GARMENT BELTS, ARM BANDS, AND NECKTIES. Gem-Dandy, Inc., Madison, N. C.

Filed March 11, 1946. Serial No. 498,003. PUBLISHED DECEMBER 17, 1946. Class 39.

427,965. ARTIFICIAL LEATHER. Kalix Mills, Inc., Cambridge, Mass.

Filed March 14, 1946. Serial No. 498,228. PUBLISHED DECEMBER 17, 1946. Class 50.

427,966. SHOES MADE OF LEATHER, FABRIC, RUBBER, AND COMBINATIONS THEREOF. The Nevelk Company, Hallowell, Maine.

Filed March 19, 1946. Serial No. 498,537. PUBLISHED DECEMBER 17, 1946. Class 39.

427,967. WATCH STRAPS MADE OF LEATHER. Pakula and Company, Chicago, Ill.

Filed March 22, 1946. Serial No. 498,792. PUBLISHED DECEMBER 17, 1946. Class 40.

427,968. ELECTRICAL MACHINES FOR CUTTING, SLICING, MINCING, CHIPPING, CHOPPING, MIXING, CRUSHING, GRINDING, MASHING, PEELING, KNEADING, OR GRATING FOOD. B. & P. Swift Limited, Ealing and London, England.

Filed March 22, 1946. Serial No. 498,811. PUBLISHED NOVEMBER 5, 1946. Class 21.

427,969. HORSE RACE GAME. Joseph Heim, Lynbrook, N. Y.

Filed March 23, 1946. Serial No. 498,842. PUBLISHED DECEMBER 17, 1946. Class 22.

427,970. SHOES MADE OF LEATHER, FABRIC, RUBBER, AND/OR ANY COMBINATIONS THEREOF. Cannon Shoe Company, Baltimore, Md.

Filed March 25, 1946. Serial No. 498,883. PUBLISHED DECEMBER 17, 1946. Class 39.

427,971. SHOES MADE OF LEATHER, FABRIC, RUBBER, AND/OR ANY COMBINATIONS THEREOF. Cannon Shoe Company, Baltimore, Md.

Filed March 25, 1946. Serial No. 498,884. PUBLISHED DECEMBER 17, 1946. Class 39.

427,972. STRAW AND FELT HAT BODIES. Henry Pollak, Inc., New York, N. Y.

Filed March 28, 1946. Serial No. 499,148. PUBLISHED DECEMBER 17, 1946. Class 39.

427,973. HAT BRAIDS AND MILLINERY BRAIDS. Henry Pollak, Inc., New York, N. Y.

Filed March 28, 1946. Serial No. 499,149. PUBLISHED DECEMBER 17, 1946. Class 40.

427,974. HAT BRAIDS AND MILLINERY BRAIDS. Henry Pollak, Inc., New York, N. Y.

Filed March 28, 1946. Serial No. 499,150. PUBLISHED DECEMBER 17, 1946. Class 40.

427,975. DECORATIVE MATERIAL CONSISTING OF DYED SAWDUST FOR USE IN DECORATING POTTED HOUSE PLANTS. The Decro Products Company, Milwaukie, Oreg.

Filed March 29, 1946. Serial No. 499,211. PUBLISHED NOVEMBER 19, 1946. Class 50.

427,976. STRINGS FOR MUSICAL INSTRUMENTS. Eximport Company of America, New York, N. Y.

Filed March 29, 1946. Serial No. 499,221. PUBLISHED NOVEMBER 19, 1946. Class 36.

427,977. DIECASTING METALS. Heckethorn Manufacturing & Supply Co., Littleton, Colo.

Filed March 29, 1946. Serial No. 499,227. PUBLISHED DECEMBER 17, 1946. Class 14.

427,978. PHONOGRAPH NEEDLES. The Micromaster Company, Chicago, Ill.

Filed March 29, 1946. Serial No. 499,259. PUBLISHED NOVEMBER 19, 1946. Class 36.

427,979. FOUNTAIN PENS. Akron Manufacturing Company, Chicago, Ill.

Filed March 30, 1946. Serial No. 499,308. PUBLISHED DECEMBER 17, 1946. Class 37.

427,980. SHOES AND SLIPPERS MADE OF LEATHER OR FABRIC, OR COMBINATIONS THEREOF. Peppy Footwear, Inc., New York, N. Y.

Filed March 30, 1946. Serial No. 499,345. PUBLISHED DECEMBER 17, 1946. Class 39.

427,981. MEN'S, BOYS', AND CHILDREN'S BATHING SUITS; TRUNKS; KNITTED OUTERWEAR—NAMELY, SWEATERS, INCLUDING PULLOVERS AND BUTTONED SWEATERS; JACKETS; AND SPORT COATS. Associated Knitted Outerwear Mills, Inc., New York, N. Y.

Filed April 2, 1946. Serial No. 499,466. PUBLISHED DECEMBER 17, 1946. Class 39.

427,982. HAT BRAIDS—STRAW AND SYNTHETIC. American Glossite Co., Inc., Putnam, Conn.

Filed April 4, 1946. Serial No. 499,603. PUBLISHED DECEMBER 17, 1946. Class 40.

427,983. LEATHER SUBSTITUTE. M. C. F. Manufacturing Co., Peabody, Mass.

Filed April 5, 1946. Serial No. 499,723. PUBLISHED NOVEMBER 19, 1946. Class 50.

427,984. BRAIDS, NON-ADHESIVE TEXTILE TAPES, AND PASSEMENTERIE USED IN TRIMMING GARMENTS AND DRAPERIES, AND USED AS UPHOLSTERY TRIMMINGS. Associated Lace Corporation, New York, N. Y.

Filed April 10, 1946. Serial No. 499,939. PUBLISHED DECEMBER 17, 1946. Class 40.

427,985. HAIR PINS, BOBBY PINS, AND CURL PINS MADE OF NON-PRECIOUS METAL AND NOT EMBOSSED WITH PRECIOUS STONES. William H. Rothe, doing business as Johnston Carbide Tool Co., Kearny, N. J.

Filed April 10, 1946. Serial No. 499,969. PUBLISHED DECEMBER 17, 1946. Class 40.

427,986. MECHANICALLY GROOVED PHONOGRAPH RECORDS. Gotham Record Corp., New York, N. Y.

Filed April 12, 1946. Serial No. 500,078. PUBLISHED DECEMBER 17, 1946. Class 36.

427,987. HAIRPINS NOT OF PRECIOUS METAL OR METALS AND NOT EMBOSSED WITH PRECIOUS STONES. Madison Wire Company, Inc., Buffalo, N. Y.

Filed April 12, 1946. Serial No. 500,100. PUBLISHED DECEMBER 17, 1946. Class 40.

427,988. ALUMINUM LADDERS. Mason Products Company, Inc., Louisville, Ky.

Filed April 9, 1946. Serial No. 500,341. PUBLISHED DECEMBER 17, 1946. Class 50.

427,989. WRITING PAPER, ENVELOPES, AND BLANK GUMMED LABELS. Edward C. Kinney, Chicago, Ill.

Filed April 24, 1946. Serial No. 500,804. PUBLISHED DECEMBER 17, 1946. Class 37.

427,990. FLUORESCENT LAMPS AND FLUORESCENT LAMP FIXTURES. Duro-Test Corporation, North Bergen, N. J., and elsewhere.

Filed April 26, 1946. Serial No. 500,971. PUBLISHED DECEMBER 17, 1946. Class 21.

427,991. LEATHER. John R. Evans & Company, Camden, N. J.

Filed April 30, 1946. Serial No. 501,175. PUBLISHED DECEMBER 17, 1946. Class 1.

427,992. HAND MANIPULABLE ELECTRICALLY DRIVEN DRILLS. Efengee Electrical Supply Company, Chicago, Ill.

Filed May 1, 1946. Serial No. 501,246. PUBLISHED DECEMBER 17, 1946. Class 21.

427,993. GAME CONSISTING OF PLAYING BOARDS WITH PIECES USED IN CONNECTION THEREWITH. Fred Weatherford, Washington, D. C.

Filed May 1, 1946. Serial No. 501,297. PUBLISHED DECEMBER 17, 1946. Class 22.

427,994. FLASHLIGHT CASES, EXTENSION LIGHTS, PLUGS, AND SOCKETS. Stewart R. Browne Mfg. Co. Inc., New York, N. Y.

Filed May 2, 1946. Serial No. 501,307. PUBLISHED DECEMBER 17, 1946. Class 21.

427,995. LEAD PENCILS. Simon Aptaker, Atlanta, Ga.

Filed May 21, 1946. Serial No. 502,482. PUBLISHED DECEMBER 17, 1946. Class 37.

427,996. LEAD PENCILS. Simon Aptaker, Atlanta, Ga.

Filed May 21, 1946. Serial No. 502,483. PUBLISHED DECEMBER 17, 1946. Class 37.

427,997. LEAD PENCILS. Simon Aptaker, Atlanta, Ga.

Filed May 21, 1946. Serial No. 502,484. PUBLISHED DECEMBER 17, 1946. Class 37.

427,998. PLASTIC COATED CORDAGE, IN DIFFERENT SIZES, SUITABLE FOR USE AS CLOTHES LINE, WELL ROPE, AWNING CORD, SASH CORD, SWINGS, TENNIS NETS, DOG LEASHES, ETC. Carolina Industrial Plastics Corporation, Mount Airy, N. C.

Filed July 10, 1946. Serial No. 505,333. PUBLISHED DECEMBER 17, 1946. Class 7.

427,999. COIN-CONTROLLED AMUSEMENT APPARATUS. Amusement Enterprises, Inc., New York, N. Y.

Filed July 23, 1946. Serial No. 506,082. PUBLISHED DECEMBER 17, 1946. Class 22.

428,000. TOYS—NAMELY, TOY TRUCKS, TOY DUMP VEHICLES, AND TOY HOIST VEHICLES. Tech-Art, Inc., Milford, Ohio.

Filed July 25, 1946. Serial No. 506,274. PUBLISHED DECEMBER 17, 1946. Class 22.

428,001. PAPER BAGS. L. Rench, Oakland, Calif.

Filed July 27, 1946. Serial No. 506,391. PUBLISHED DECEMBER 17, 1946. Class 2.

428,002. ARTIFICIAL STONE AND BRICK. Wootson L. Sanderson, Meridian, Miss.

Filed July 30, 1946. Serial No. 506,553. PUBLISHED DECEMBER 17, 1946. Class 12.

428,003. PLAYING CARDS. Clair D. Cocanower, Phoenix, Ariz.

Filed July 16, 1946. Serial No. 506,566. PUBLISHED DECEMBER 17, 1946. Class 22.

428,004. CATAMENIAL RECEPTACLE ADAPTED TO BE INSERTED INTO THE VAGINAL PASSAGE AND ACCOMMODATED THEREIN FOR RECEPTION OF THE MENSTRUAL FLOW. Foldene, Inc., Cleveland, Ohio.

Filed July 31, 1946. Serial No. 506,589. PUBLISHED DECEMBER 17, 1946. Class 44.

428,005. DOLLS. E. A. Jakku, Hood River, Oreg.

Filed August 17, 1946. Serial No. 507,586. PUBLISHED DECEMBER 17, 1946. Class 22.

428,006. ARTIFICIAL FISH LURES. Bomber Bait Co., Gainesville, Tex.

Filed August 23, 1946. Serial No. 507,882. PUBLISHED DECEMBER 17, 1946. Class 22.

428,007. CRUTCHES. Al R. Brooks, Los Angeles, Calif.

Filed August 26, 1946. Serial No. 508,026. PUBLISHED DECEMBER 17, 1946. Class 44.

428,008. BAGS OF CELLOPHANE, PAPER, OR OTHER SHEET MATERIALS. The Dobeckmun Company, Cleveland, Ohio.

Filed September 6, 1946. Serial No. 508,580. PUBLISHED DECEMBER 17, 1946. Class 2.

428,009. DOLLS. Anna Jane Wiseman, doing business as The Wiseman Company, Memphis, Tenn.

Filed September 13, 1946. Serial No. 509,065. PUBLISHED DECEMBER 17, 1946. Class 22.

428,010. TOY SPINNING TOPS. Stephen Pawlcyn, doing business as General Plastics Company, Minneapolis, Minn., assignor to Edward D. Mattson, Minneapolis, Minn.

Filed September 23, 1946. Serial No. 509,594. PUBLISHED DECEMBER 17, 1946. Class 22.

428,011. FISHING RODS. The Products Development & Manufacturing Co., Cleveland, Ohio.

Filed September 28, 1946. Serial No. 509,950. PUBLISHED DECEMBER 17, 1946. Class 22.

428,012. PERFUME ATOMIZERS. Meyer M. Katz, doing business as Meyer Katz and Company, Philadelphia, Pa.

Filed October 1, 1946. Serial No. 510,020. PUBLISHED DECEMBER 17, 1946. Class 44.

428,013. PLAYING CARDS. E. E. Fairchild Corporation, Rochester, N. Y.

Filed October 21, 1946. Serial No. 511,205. PUBLISHED DECEMBER 17, 1946. Class 22.

428,014. DENTAL MATERIALS USED IN MAKING INTRA-ORAL REPRODUCTIONS OF THE HUMAN MOUTH. Coralite Dental Products Company, Chicago, Ill.

Filed October 28, 1946, Serial No. 511,599. PUBLISHED DECEMBER 17, 1946. Class 44.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

428,015. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) KINNEY ELECTRICAL MANUFACTURING COMPANY, Chicago, Ill. Filed Mar. 11, 1944. Serial No. 468,206.

UNI-BREAKER

FOR ELECTRIC PANELBOARDS.
Claims use since Oct. 12, 1939.

428,016. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS AND PARTS THEREOF.) THE UNION FORK & HOE COMPANY, Columbus, Ohio. Filed Mar. 17, 1944. Ser. No. 468,400.

PLY-WELD

FOR HAND OPERATED TOOLS—NAMELY, AXES, CULTIVATORS, CUTTERS, LETTUCE CUTTERS, THISTLE, DOCK AND WEED CUTTERS, D-HANDLES FOR TOOLS, DRAGS, MANURE DRAGS, POTATO DRAGS, PHOSPHATE DRAGS, STONE DRAGS, EDGERS, LAWN EDGERS, TURF EDGERS, FORKS, LIGHT AND HEAVY FORKS, ALFALFA FORKS, ASPHALT FORKS, BALING FORKS, BALLAST FORKS, BARLEY FORKS, BEET FORKS, CLOVER FORKS, COAL FORKS, COAL SCOOP FORKS, COKE FORKS, COTTON SEED FORKS, ENGLISH DIGGING FORKS, ENSILAGE FORKS, FISH FORKS, FLORAL SPADING FORKS, GRAIN FORKS, HAY FORKS, HEADER FORKS, MANURE FORKS, MILL FORKS, PHOSPHATE FORKS, POTATO DIGGING FORKS, PULP FORKS, SHAVING FORKS, SPADING FORKS, STREET FORKS, STONE FORKS, STONE PICKER FORKS, TANNERS' FORKS, TAR FORKS, VEGETABLE SCOOP FORKS, FLORAL GARDEN TOOLS, ICE CHISELS, HOES, BEET HOES, BLACKLAND HOES, BOYS' HOES, CORN HOES, COTTON HOES, COTTON CHOPPER HOES, CULTIVATOR HOES, EYE HOES, FIELD HOES, FLORAL HOES, GARDEN HOES, GRADING HOES, GRAPE HOES, GRUB HOES, HANDLED SPROUTING HOES, HANDLED SQUARE EYE HOES, LADIES' HOES, MATTOCK HOES, MEADOW HOES, MORTAR HOES, MORTAR MIXER HOES, NURSERY HOES, NURSERYMEN'S HOES, ONION HOES, PLANTER HOES, RHODE ISLAND HOES, RIVETED HOES, SCUFFLE HOES, SPROUTING HOES, STRAWBERRY HOES, STREET HOES, SUGAR BEET HOES, THINNING HOES, TOBACCO HOES, WARREN HOES, WEEDING HOES, WHIRLWIND HOES, CLAM HOOKS, GARBAGE HOOKS, MANURE HOOKS, NURSERYMEN'S HOOKS, PHOSPHATE HOOKS, POTATO HOOKS, REFUSE HOOKS, STONE HOOKS, LAWN COMBS, POKERS, RAKES, ASPHALT RAKES, BRUME RAKES, CLAM RAKES, CURVED TOOTH RAKES, DANDELION RAKES, FLAT BOW RAKES, FLORAL RAKES, GARDEN RAKES, GRAVEL RAKES, LAWN RAKES, LEVEL HEAD RAKES, MALLEABLE RAKES, PINE NEEDLE RAKES, ROAD RAKES, ROUND BOW RAKES, SINGLE SHANK RAKES, STEEL RAKES, STONE RAKES, TAR RAKES, TWO-MAN RAKES, WIRE LAWN RAKES, SEEDLING SETTERS, SCOOPS, SCRAPERS, BARN FLOOR SCRAPERS, CHICKEN HOUSE SCRAPERS, DECK SCRAPERS, FLOOR SCRAPERS, SHIP SCRAPERS, SHOVELS, FIRE SHOVELS, FLORAL SHOVELS, SIDE WALK CLEANERS, SOD LIFTERS, SPADES, CONCRETE SPADES, HAND SPADES, TOOL HANDLES AND PARTS THEREOF, TROWELS, GARDEN TROWELS, NURSERYMEN'S TROWELS, TRANSPLANTING TROWELS, WEEDERS, DANDELION WEEDERS, HAND WEEDERS, ONION WEEDERS.
Claims use since Jan. 24, 1944.

428,017. (CLASS 39. CLOTHING.) SAUL OLINER, doing business as National Hair Net Co., New York, N. Y. Filed July 17, 1944. Serial No. 472,334.

National Hair Nets

FOR HAIR NETS.
Claims use since Mar. 27, 1915.

428,018. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) SELENIUM CORPORATION OF AMERICA, Los Angeles, Calif. Filed Oct. 2, 1944. Serial No. 474,832.

DUAL
SEALED-IN

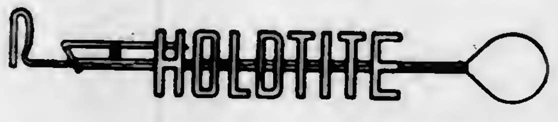
FOR SELENIUM RECTIFIERS.
Claims use since Aug. 16, 1944.

428,019. (CLASS 27. HOROLOGICAL INSTRUMENTS.) EMIL LEICHTER, New York, N. Y. Filed Mar. 3, 1945. Serial No. 480,460.

RELIGIOUS
MEDAL

FOR WATCHES.
Claims use since April 1944.

428,020. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) RAYMOND A. KENNEDY, doing business as Kow-Kicker Manufacturing Company, Sioux City, Iowa. Filed May 29, 1945. Serial No. 483,905.



FOR SNARES FOR HOLDING ANIMALS PARTICULARLY HOGS.
Claims use since Feb. 1, 1945.

428,021. (CLASS 27. HOROLOGICAL INSTRUMENTS.) THE LUX CLOCK MANUFACTURING COMPANY, Waterbury, Conn. Filed Aug. 9, 1945. Serial No. 486,962.

MINUTE METER

Applicant is the owner of Reg. No. 336,750.
FOR CLOCKS, CLOCK MOVEMENTS, CLOCK CONTROLLED AUTOMATIC TIMER MECHANISMS, CLOCK CONTROLLED MECHANISMS USED FOR TIMING COOKING OPERATIONS AND OTHER SUCH TIMING DEVICES.
Claims use since July 1, 1924.

428,022. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) ARTHUR SZABO, doing business as A. Szabo Company, New York, N. Y. Filed Sept. 5, 1945. Serial No. 488,005.

VERIBEST

FOR CASTING GOLD FOR PARTIAL DENTURES.
Claims use since June 15, 1945.

428,023. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACAL PREPARATIONS.) PUREX PRODUCTS INCORPORATED, doing business as Dee Tex Company, Baltimore, Md. Filed Sept. 24, 1945. Serial No. 488,931.

DEAD FAST

FOR INSECTICIDE.
Claims use since June 6, 1944.

428,024. (CLASS 32. FURNITURE AND UPHOLSTERY.) CHOP-N-BLOC KIT COMPANY, Kansas City, Kans. Filed Oct. 1, 1945. Serial No. 489,202.

CHOP-N-BLOC
KIT

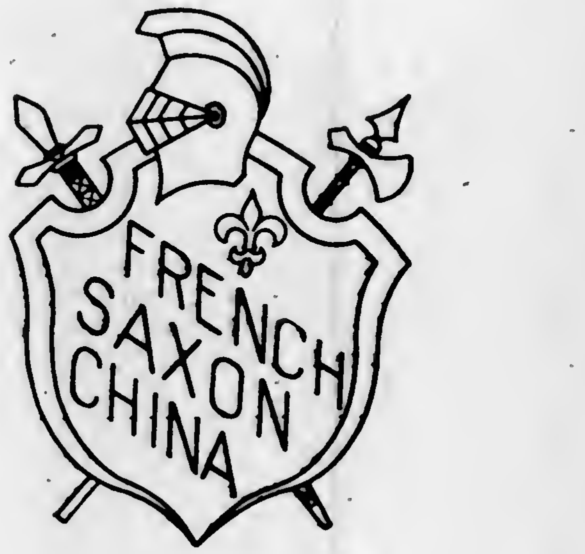
FOR CUTLERY CABINETS EQUIPPED WITH A CUTTING BOARD.
Claims use since June 20, 1945.

428,025. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GORTON COX, INC., Elmira, N. Y. Filed Oct. 2, 1945. Serial No. 489,261.

Gorton's
ELECTRICAL CITY

FOR ELECTRICAL APPLIANCES—NAMELY, STOVES, HEATERS, IRONS, HOT WATER HEATERS, RADIO RECEIVING SETS AND/OR RADIO TRANSMITTING SETS, PHONOGRAPHS, CURLING IRONS, AND ELECTRIC BLANKETS.
Claims use since Sept. 24, 1945.

428,026. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) THE FRENCH SAXON CHINA COMPANY, Sebring, Ohio. Filed Oct. 8, 1945. Serial No. 489,575.



FOR PORCELAIN DINNERWARE, WHICH IS OF THE SEMI-VITREOUS PORCELAIN TYPE.
Claims use since the year 1936.

428,027. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) ROGERS IMPORTS INC., New York, N. Y. Filed Oct. 9, 1945. Serial No. 489,682.

Rogerpak

FOR LEATHER CIGARETTE CASES.
Claims use since Aug. 9, 1945.

428,028. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) THE MUNISING PAPER COMPANY, Munising, Mich., and Chicago, Ill. Filed Nov. 19, 1945. Serial No. 491,874.

SACHET
Petals

FOR PERFUMED SHEETS OF PAPER FOR USE IN THE NATURE OF A SACHET.
Claims use since Oct. 26, 1945.

428,029. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) All-Best Specialties Corp., New York, N. Y. Filed Nov. 23, 1945. Serial No. 492,015.

Baby's Favorite

FOR BLANKET FASTENERS COMPRISING METALLIC CLAMPS COVERED WITH FABRIC, SAFETY STRAPS AND REINS MADE OF WEBBED TAPE.
Claims use since Feb. 1, 1945.

428,030. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) Poultry Food Products, Inc., Chicago, Ill. Filed Nov. 23, 1945. Serial No. 492,093.

CHICK-N-BAIT

FOR FISH BAIT IN THE NATURE OF CHICKEN BY-PRODUCTS.
Claims use since Nov. 1, 1945.

428,031. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) The Parsons Company, Detroit, Mich. Filed Dec. 22, 1945. Serial No. 493,820.

Pureaire

FOR KITCHEN COMBINATION ASSEMBLY—NAMELY, A COMBINATION KITCHEN UNIT CONSISTING OF AN ELECTRIC STOVE, A SINK, A REFRIGERATOR AND ASSOCIATED SHELVES AND DRAWERS.
Claims use since 1929.

428,032. (CLASS 32. FURNITURE AND UPHOLSTERY.) L. Kenneth Schoenfeld, doing business as Washington Furniture Manufacturing Co., Seattle, Wash., assignor to Washington Furniture Manufacturing Co., Seattle, Wash., a corporation of Washington. Filed Jan. 19, 1946. Serial No. 495,102.

Craftmaster

FOR UPHOLSTERED FURNITURE — NAMELY, DAVENPORTS, CHAIRS AND SOFA BEDS.
Claims use since Dec. 5, 1945.

428,033. (CLASS 17. TOBACCO PRODUCTS.) Philip Morris & Co. Ltd. Incorporated, New York, N. Y. Filed Jan. 23, 1946. Serial No. 495,251.

FLOWER
OF
FLEETWOOD

FOR SMOKING TOBACCO.
Claims use since Jan. 7, 1946.

428,034. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) John T. Cox, Topanga, Calif. Filed Jan. 30, 1946. Serial No. 495,656.

SEA SCOOTER

FOR SMALL TOY BOATS.
Claims use since Oct. 1, 1945.

428,035. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) Interstate Aircraft and Engineering Corporation, El Segundo, Calif. Filed Feb. 15, 1946. Serial No. 496,625.

Compact

FOR ELECTRIC VACUUM CLEANERS.
Claims use since Dec. 25, 1945.

428,036. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) Eckhart Manufacturing Company, Roselle Park, N. J. Filed Feb. 19, 1946. Serial No. 496,898.

SILENT
KORTH
OIL HEAT

The drawing is lined to denote an inner pointed circle of red and an outer pointed circle of gold.

FOR ELECTRIC MOTOR DRIVEN DOMESTIC OIL BURNERS.
Claims use since Nov. 13, 1939.

428,037. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) Kenneth C. Shyvers, Seattle, Wash. Filed Feb. 25, 1946. Serial No. 497,203.

MULTIPHONE

FOR COIN CONTROLLED ELECTRICALLY OPERATED PHONOGRAPHS.
Claims use since Sept. 1, 1945.

428,038. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) Kenneth C. Shyvers, Seattle, Wash. Filed Feb. 25, 1946. Serial No. 497,204.

MULTIPLE MUSIC

FOR COIN CONTROLLED ELECTRICALLY OPERATED PHONOGRAPHS.
Claims use since Oct. 1, 1945.

428,039. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) Ivan E. Landstrom, doing business as Black Hills Jewelry Co., Rapid City, S. Dak. Filed Feb. 26, 1946. Serial No. 497,254.

Black Hills Gold

FOR FINGER RINGS, BROOCHES, AND OTHER ARTICLES OF JEWELRY FOR PERSONAL ADORNMENT, NOT INCLUDING WATCHES.
Claims use since 1938.

428,040. (CLASS 25. LOCKS AND SAFES.) Motor Tool Manufacturing Co., Detroit, Mich. Filed May 3, 1946. Serial No. 501,399.

CAB-LOC

FOR LOCK MECHANISM.
Claims use since Nov. 25, 1945.

428,041. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) Sol Kleitman, New York, N. Y. Filed May 4, 1946. Serial No. 501,460.

the
SLIT
that
FITS

FOR SHOULDER PADS FOR WEARING APPAREL.
Claims use since November 1945.

428,042. (CLASS 21. ELECTRICAL APPARATUS, MACHINES AND SUPPLIES.) Sheldon Electric Co., Inc., Irvington, N. J. Filed May 4, 1946. Serial No. 501,479.

Sheldon

FOR INFRA-RED HEAT LAMPS, SPOTLIGHT AND FLOODLIGHT LAMPS, VACUUM TUBE PARTS, FLUORESCENT LAMPS, FLUORESCENT LAMP FIXTURES, STARTERS FOR FLUORESCENT LAMPS AND PARTS OF FLUORESCENT FIXTURES.
Claims use since about Oct. 17, 1935.

428,043. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) Jean Vivaudou Co., Inc., New York, N. Y. Filed May 24, 1946. Serial No. 502,729.

ATTAR of PETALS

FOR TOILET SOAP.
Claims use since December 1941.

428,044. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) Garry Engineering Laboratories, Buffalo, N. Y. Filed May 27, 1946. Serial No. 502,818.

RUSTPRUF

FOR PREPARATION, TO BE USED AS AN ADDITIVE, TO PREVENT AND ELIMINATE RUST; SCALE AND MINERAL DEPOSITS FROM RADIATORS AND OTHER WATER CIRCULATING SYSTEMS.
Claims use since Oct. 1, 1931.

428,045. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) Fuse Indicator Corporation, Washington, D. C. Filed June 11, 1946. Serial No. 503,646.

SWITCHLITE

FOR ILLUMINATED SWITCH PLATES.
Claims use since Nov. 9, 1945.

428,046. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) Kay Daumit, Inc., Chicago, Ill. Filed June 15, 1946. Serial No. 503,974.

Lustre-Creme

FOR CREAM SHAMPOO PREPARATIONS.
Claims use since Mar. 11, 1944.

TRADE-MARK REGISTRATIONS RENEWED

52,729. **GUAIAQUIN.** CHEMICAL PREPARATIONS FOR THE TREATMENT OF CERTAIN DISEASES. Registered May 15, 1906. McKesson & Robbins. Re-renewed May 15, 1946, to McKesson & Robbins, Incorporated, New York, N. Y., a corporation of Maryland. Class 6.

56,140. **DR. KOHLER'S ANTIDOTE.** MEDICAL PREPARATION FOR THE CURE OF HEADACHE AND NEURALGIA. Registered Aug. 28, 1906. Kohler Manufacturing Co., Baltimore, Md. Re-renewed Aug. 28, 1946, to Kohler Manufacturing Co., Inc., New York, N. Y., a corporation of Maryland. Class 6.

56,142. **BEAR SKIN.** HOSIERY. Registered Aug. 28, 1906. Paramount Knitting Co., Chicago, Ill. Re-renewed Aug. 28, 1946, to Bear Brand Hosiery Co., Kankakee and Chicago, Ill., a corporation of Illinois. Class 39.

56,540. **"THE OLD TRUSTY" ETC. AND DRAWING.** INCUBATORS AND BROODERS. Registered Oct. 2, 1906. Manander M. Johnson. Re-renewed Oct. 2, 1946, to M. M. Johnson Co., Clay Center, Nebr., a partnership. Class 50.

57,407. **"BURGON & BALL" ETC. AND DESIGN.** SHEEP-SHEARS AND OTHER SHEARS, SICKLES, HAY-KNIVES, SCYTHES, CHALK-KNIVES, AND DRAWING KNIVES. Registered Nov. 13, 1906. Burgon & Ball Limited, Sheffield, England, a United Kingdom corporation. Re-renewed Nov. 13, 1946. Class 23.

57,528. **"W WILKINSON" AND DESIGN.** SHEEP-SHEARS, GARDEN-SHEARS, AND BUTCHERS' KNIVES. Registered Nov. 13, 1906. Burgon & Ball Limited, Sheffield, England, a United Kingdom corporation. Re-renewed Nov. 13, 1946. Class 23.

58,463. **LISTER'S.** SOAP. Registered Dec. 18, 1906. Johnson & Johnson, New Brunswick, N. J., a corporation of New Jersey. Re-renewed Dec. 18, 1946. Class 4.

58,596. **"GREAT FALLS MAN'G. CO." AND DESIGN.** COTTON SHEETING. Registered Dec. 18, 1906. Minot, Hooper & Co., New York, N. Y., a firm. Re-renewed Dec. 18, 1946. Class 42.

58,655. **WOMAN'S CLUB.** MOLASSES, SYRUP AND SORGHUM. Registered Dec. 18, 1906. New Orleans Coffee Co. Lmtd., New Orleans, La. Re-renewed Dec. 18, 1946, to Penick & Ford, Ltd., Incorporated, New York, N. Y., a corporation of Delaware. Class 46.

58,947. **"EUREKA" AND DESIGN.** PACKING FOR STEAM OR OTHER ENGINES AND MACHINERY. Registered Dec. 25, 1906. The Eureka Packing Company, Camden, N. J., Re-renewed Dec. 25, 1946, to Braiding and Packing Works of America, Inc., Brooklyn, N. Y., a corporation of New York. Class 35.

59,178. **AMOLIN.** TOILET POWDER. Registered Jan. 1, 1907. Amolin Chemical Company, New York, N. Y. Re-renewed Jan. 1, 1947, to The Norwich Pharmacal Company, Norwich, N. Y., a corporation of New York. Class 6.

59,490. **MONARCH.** TYPE-WRITER CARBON-PAPER AND TYPE-WRITER RIBBONS. Registered Jan. 8, 1907. The Monarch Typewriter Company, Syracuse, N. Y. Re-renewed Jan. 8, 1947, to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware. Class 11.

59,700. **THE TRUMPET CALL.** MOUTH-HARMONICAS. Registered Jan. 15, 1907. Firm of M. Hohner. Re-renewed Jan. 15, 1947, to M. Hohner, Inc., New York, N. Y., a corporation of New York. Class 36.

59,939. **"MODEL HEATING CO." ETC. AND DESIGN.** HOT-WATER HEATERS AND STEAM-BOILERS FOR HEATING PURPOSES. Registered Jan. 22, 1907. Model Heating Company, Philadelphia, Pa., Re-renewed Jan. 22, 1947, to Richmond Radiator Company, Uniontown, Pa., a corporation of Delaware. Class 34.

60,168. **VISIBLE.** TYPE-WRITER CARBON-PAPER AND TYPE-WRITER RIBBONS. Registered Jan. 29, 1907. The Monarch Typewriter Company, Syracuse, N. Y. Re-renewed Jan. 29, 1947, to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware. Class 11.

60,566. **RUSSWIN.** CYLINDER-LOCKS, NIGHT-LATCHES, AND PADLOCKS. Registered Feb. 12, 1907. Russell & Erwin Manufacturing Company. Re-renewed Feb. 12, 1947, to The American Hardware Corporation, New Britain, Conn., a corporation of Connecticut. Class 25.

212,782. **"THIEME HOSIERY" AND DESIGN.** HOSIERY. Registered May 11, 1926. Theme Hosiery Company. Renewed May 11, 1946, to Theme Hosiery Company, Inc., Los Angeles, Calif., a corporation of Indiana. Class 39.

214,106. **FLEETWING.** CIGARS, CIGARETTES, AND SMOKING, CHEWING, AND LEAF TOBACCO. Registered June 15, 1926. John Sinclair Limited, Newcastle-on-Tyne, England, a corporation of Great Britain. Renewed June 15, 1946. Case 17.

214,107. **"OLD CASTLE" AND DRAWING.** CIGARS, CIGARETTES, AND SMOKING, CHEWING, AND LEAF TOBACCO. Registered June 15, 1926. John Sinclair Limited, Newcastle-on-Tyne, England, a corporation of Great Britain. Renewed June 15, 1946. Class 17.

214,966. **"WB" AND DESIGN.** SPRINGS—FLAT, SPIRAL, AND TORSION—AS USED IN SPRING MOTORS, MACHINERY, AND PARTS THEREOF. Registered July 6, 1926. The Wallace Barnes Company. Renewed July 6, 1946, to Associated Spring Corporation, Bristol, Conn., a corporation of Delaware. Class 23.

215,752. **COWBOY STORIES.** MONTHLY MAGAZINE. Registered July 27, 1926. Climax Publishing Corp. Renewed July 27, 1946, to Street & Smith Publications, Inc., New York, N. Y., a corporation of New York. Class 38.

215,811. **VÉGÉTALINE.** REFINED COCONUT OIL USED AS A COOKING FAT. Registered July 27, 1926. Etablissements Rocca, Tassy & De Roux, Marseille, France, a corporation of France. Renewed July 27, 1946. Class 46.

216,202. **"GOLD LEAF" AND DRAWING.** CIGARETTES. Registered Aug. 3, 1926. Reed Tobacco Company. Renewed Aug. 3, 1946, to Larus & Brother Company, Richmond, Va., a corporation of Virginia. Class 17.

216,945. **"ROSE COMB" AND DRAWING.** POULTRY FEED. Registered Aug. 24, 1926. William Frank, doing business as Jefferson Flour & Feed Mill. Renewed Aug. 24, 1946, to Lawrence Frank, doing business as Flank Flour & Feed Mill, Jefferson, Wis. Class 46.

216,949. **SEA PRIDE.** SARDINES (PACKED IN CANS). Registered Aug. 24, 1926. Sea Pride Canning Co., Monterey, Calif. Renewed Aug. 24, 1946, to H. A. Irving, San Francisco, Calif. Class 46.

217,302. **ELECTROFROST.** REFRIGERATORS AND REFRIGERATOR DISPLAY CASES. Registered Aug. 31, 1926. Jere J. Murphy, Naugatuck, Conn. Renewed Aug. 31, 1946, to C. V. Hill & Company, Inc., Trenton, N. J., a corporation of New Jersey. Class 31.

219,703. **MOUNTAIN DEW.** PURE HONEY. Registered Oct. 19, 1926. New Orleans Coffee Co., Ltd., New Orleans, La. Renewed Oct. 19, 1946, to Penick & Ford, Ltd., Incorporated, New York, N. Y., a corporation of Delaware. Class 46.

219,829. **"AMERICUS" AND DRAWING.** CIGARS. Registered Oct. 26, 1926. Sanchez & Haya Co. Renewed Oct. 26, 1946, to Havatampa Cigar Company, Tampa, Fla., a corporation of Florida. Class 17.

220,052. **"SNOWHITE" AND DRAWING.** TOILET PAPER. Registered Dec. 21, 1926. The Dudley Paper Company, Lansing, Mich., a corporation of Michigan. Renewed Dec. 21, 1946. Class 37.

220,396. **HEATH MOOR.** PURE WOOLEN GOODS IN THE PIECE. Registered Nov. 9, 1926. Security Mills, Inc., New York, N. Y. Renewed Nov. 9, 1946, to Security Mills, Inc., Newton, Mass., and New York, N. Y., a corporation of Maine. Class 42.

221,682. **WONDER.** CORN OR CALLUS REMEDY. Registered Dec. 7, 1926. Bowen Manufacturing Company. Renewed Dec. 7, 1946, to William M. Bowen, doing business as the Bowen Manufacturing Company, Prairie City, Iowa. Class 6.

221,713. **"BLACK DIAMOND BRAND" AND DESIGN.** MALT EXTRACT FOR FOOD PURPOSES. Registered Dec. 7, 1926. Booth Fisheries Company. Renewed Dec. 7, 1946, to Booth Fisheries Corporation, Chicago, Ill., a corporation of Delaware. Class 46.

222,153. **RAILWAY ENGINEERING AND MAINTENANCE.** MAGAZINE PUBLISHED PERIODICALLY. Registered Dec. 21, 1926. Simmons-Boardman Publishing Company. Renewed Dec. 21, 1946, to Simmons Boardman Publishing Corporation, New York, N. Y., a corporation of Delaware. Class 38.

222,232. **"WEAR BEST" ETC. AND DESIGN.** BRIEF CASES, PORTFOLIOS, AND BAGS. Registered Dec. 28, 1926. The Leather Specialty Company. Renewed Dec. 28, 1946, to Leather Specialty Company, Cincinnati, Ohio, a partnership. Class 3.

222,236. **ROYAL CUP.** COFFEE AND TEA. Registered Dec. 28, 1926. Batterton Coffee Company, Inc., Birmingham, Ala., a corporation of Alabama. Renewed Dec. 28, 1946. Class 46.

222,617. **"WHIZ" AND DESIGN.** CLEANING AND POLISHING MATERIALS IN PASTE, LIQUID, POWDER, AND SOLID FORMS FOR LEATHER ARTICLES AND IMITATION LEATHER ARTICLES, WINDSHIELDS AND LENSES FOR AUTOMOBILE LAMPS, ARTICLES OF GLASS, STOVES, METAL PARTS, DRY CLEANERS; AND CERTAIN OTHER NAMED POLISHING, ABRASIVE AND DETERGENT MATERIALS. Registered Jan. 4, 1927. The R. M. Hollingshead Co. Renewed Jan. 4, 1947, to R. M. Hollingshead Corporation, Camden, N. J., a corporation of New Jersey. Class 4.

222,765. **FEDERAL.** POWER PRESSES. Registered Jan. 11, 1927. Federal Press Company, Elkhart, Ind., a corporation of Indiana. Renewed Jan. 11, 1947. Class 23.

222,873. **AUTOFOLD.** PLAIN, LITHOGRAPHED, AND PRINTED PAPER STRIPS, LEAVES, AND SHEETS FOR USE IN MANIFOLDING REGISTERS, IN TYPEWRITERS, AND IN OTHER MACHINES. Registered Jan. 11, 1927. Autographic Register Company, Hoboken, N. J., a corporation of New Jersey. Renewed Jan. 11, 1947. Class 37.

222,924. **THE GLEANER.** COMBINED HARVESTER, THRASHER, AND SEPARATOR. Registered Jan. 11, 1927. The Gleaner Manufacturing Co. Renewed Jan. 11, 1947, to Gleaner Harvester Corporation, Independence, Mo., a corporation of Delaware. Class 23.

222,935. **"3 CHEERS" AND DESIGN.** CHEWING GUM. Registered Jan. 11, 1927. Frank H. Fleer Corporation, Philadelphia, Pa., a corporation of Delaware. Renewed Jan. 11, 1947. Class 46.

223,255. **ARTCRAFT.** CLOCKS AND WATCHES. Registered Jan. 25, 1927. The E. Ingraham Company, Bristol, Conn., a corporation of Connecticut. Renewed Jan. 25, 1947. Class 27.

223,256. **VICEROY.** CLOCKS AND WATCHES. Registered Jan. 25, 1927. The E. Ingraham Company, Bristol, Conn., a corporation of Connecticut. Renewed Jan. 25, 1947. Class 27.

223,305. **HEET-MASTER.** THERMOSTATIC HEAT CONTROLS FOR OIL, GAS, AND ELECTRIC RANGES. Registered Feb. 1, 1927. The Detroit Vapor Stove Co., Detroit, Mich. Renewed Feb. 1, 1947, to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois. Class 26.

223,649. **LIGHTNING.** GLASS JARS. Registered Feb. 8, 1927. Henry W. Putnam, New York, N. Y. Renewed Feb. 8, 1947, to Anchor Hocking Glass Corporation, Lancaster, Ohio, a corporation of Delaware. Class 33.

223,707. **"MOSLER RUST RESISTOR" AND DRAWING.** ANTIRUST PREPARATION AND LUBRICANT. Registered Feb. 8, 1927. The Mosler Safe Company, Hamilton, Ohio, a corporation of New York. Renewed Feb. 8, 1947. Class 15.

223,847. **"HARTSHIRE" ETC. AND DESIGN.** MEN'S AND BOYS' SUITS, OVERCOATS, SWEATERS, AND RAINCOATS. Registered Feb. 15, 1927. Hart-Albin Company, Billings, Mont., a corporation of Montana. Renewed Feb. 15, 1947. Class 39.

223,850. **NUTRENA.** GRAIN PRODUCT FOR HUMAN CONSUMPTION—NAMELY, ROLLED OATS. Registered Feb. 15, 1927. Nutrena Feed Mills, Inc. Renewed Feb. 15, 1947, to Nutrena Mills, Inc., Kansas City, Kans., a corporation of Kansas. Class 46.

223,879. **MY PAL.** POLISHING POWDER FOR FINISHED SURFACES. Registered Feb. 15, 1927. Pal Products Co. Inc. Renewed Feb. 15, 1947, to David Davis, doing business as Pal Products Co., Brooklyn, N. Y. Class 4.

223,950. **GRAYBAR.** ELECTRIC FLATIRONS AND ELECTRIC VACUUM CLEANERS. Registered Feb. 15, 1927. Graybar Electric Company, Inc., New York, N. Y., a corporation of New York. Renewed Feb. 15, 1947. Class 21.

224,087. **"THE OHIO PRINTING CO" AND DESIGN.** LETTERHEADS, ENVELOPES, AND FORMS. Registered Feb. 15, 1927. Harry D. Boham, doing business as The Ohio Printing Company, Dayton, Ohio. Renewed Feb. 15, 1947. Class 37.

227,108. **CHAINDEX.** BLANK AND PARTIALLY-PRINTED CARDS AND FORMS FOR INDEXES, INDEXES CONSISTING OF BLANK OR PARTIALLY-PRINTED FORMS OR CARDS, INDEX CARDS OF THE ARTICULATED TYPE, AND CASE FRAMES AND HOLDERS FOR INDEX CARDS. Registered Apr. 26, 1927. Rand Kardex Bureau, Inc., Tonawanda, N. Y. Renewed Apr. 26, 1947, to Remington Rand, Inc., Buffalo, N. Y., a corporation of Delaware. Class 37.

227,965. **"STANDARD REMINGTON" ETC. AND DESIGN.** ADDING AND ACCOUNTING MACHINES. Registered May 17, 1927. Remington Typewriter Company, Ilion and New York, N. Y. Renewed May 17, 1947, to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware. Class 26.

228,057. **"CHAINDEX" AND DESIGN.** BLANK AND PARTIALLY-PRINTED CARDS AND FORMS FOR INDEXES, INDEXES CONSISTING OF BLANKS OR PARTIALLY-PRINTED FORMS OR CARDS, INDEX CARDS OF THE ARTICULATED TYPE, AND CASE FRAMES AND HOLDERS FOR INDEX CARDS. Registered May 24, 1927. Rand Kardex Bureau, Inc., Tonawanda, N. Y. Renewed May 24, 1947, to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware. Class 37.

REISSUES

MARCH 4, 1947

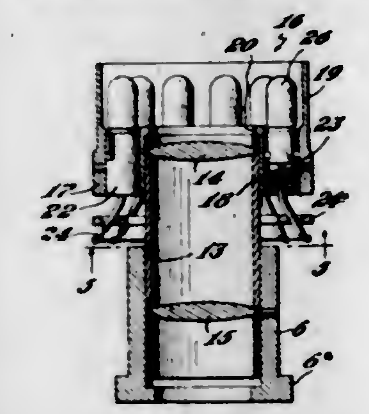
22,848

ILLUMINATING UNIT FOR OPTICAL PROJECTORS

Raymond S. Wilder, Waltham, Mass.

Original No. 2,409,328, dated October 15, 1946, Serial No. 560,387, October 26, 1944. Application for reissue December 7, 1946, Serial No. 714,751

2 Claims. (Cl. 88—24)



1. A micro-projector of the kind wherein the image of an object supported upon a work table is projected onto a screen by an objective lens mounted in a tubular support, characterized in having an illuminating unit mounted on the lens support and comprising an annular housing having an inner cylindrical wall defining an aperture designed to receive the upper end of the tubular lens housing with a sliding fit, said inner wall having a stop shoulder engageable with the end of the tubular support to limit axial movement of the housing, the housing also having a radially extending web portion provided with a series of spaced lamp sockets whose axes are parallel to that of the housing, the sockets being disposed symmetrically with respect to the optical axis of the lens and being so spaced laterally from said axis that lamps disposed in the sockets are out of the field of vision of the lens, the housing also having an outer cylindrical wall of a depth greater than the heights of the filaments of lamps disposed in the sockets, said outer wall being of an internal diameter such as to afford approximately just sufficient space for the lamps arranged in the sockets and having an inner reflecting surface.

22,849

STABILIZED LUBRICANTS

Norman D. Williams, Chicago, and William J. Backoff, Elmhurst, Ill., assignors to The Pure Oil Company, Chicago, Ill., a corporation of Ohio

No Drawing. Original No. 2,375,060, dated May 1, 1945, Serial No. 569,628, December 23, 1944. Application for reissue October 18, 1945, Serial No. 623,154

18 Claims. (Cl. 252—32.7)

1. Method of preparing a lubricant additive which comprises reacting wool grease with phosphorus sesquisulfide, in an amount equivalent to 1.5 to 4% by weight of phosphorus based on the wool grease, at a temperature not exceeding 240° F. until the reaction product has good copper strip corrosion, then saponifying it with crystalline barium hydroxide in amount sufficient to saponify at least 50% of the wool grease-phosphorus sesquisulfide reaction product but insufficient to completely saponify it.

PLANT PATENTS

GRANTED MARCH 4, 1947

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

723

APPLE TREE

Albert F. Etter, Ettersburg, Calif., assignor to George C. Roeding, Jr., Niles, Calif.

Application June 23, 1944, Serial No. 541,691

1 Claim. (Cl. 47—62)

A new variety of apple tree substantially as herein disclosed having strong, medium sized and abundant foliage and characterized by fruit having the shape of a Bellflower and the size of a Northfield, with transparent skin which glows with the color of the pink flesh beneath.

724

CRAB APPLE TREE

Albert F. Etter, Ettersburg, Calif., assignor to George C. Roeding, Jr., Niles, Calif.

Application June 23, 1944, Serial No. 541,692

1 Claim. (Cl. 47—62)

A new variety of crab apple tree substantially as herein described characterized by the color, form, and flavor of its fruit, being brilliant red, oblong in shape, and sugary sweet, highly flavored, and juicy.

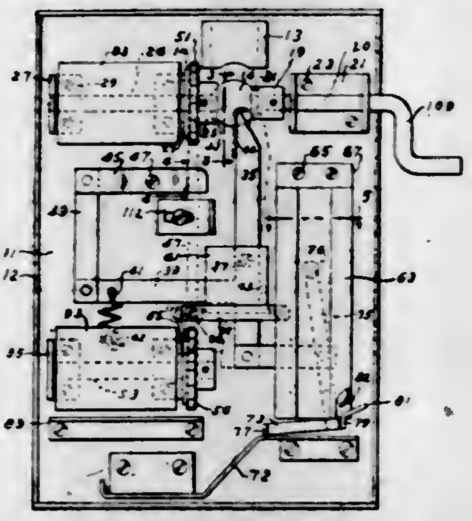
PATENTS

GRANTED MARCH 4, 1947

2,416,665

COIN CONTROLLED MECHANISM

Elmer F. Semmler, Detroit, Mich.
Application July 3, 1944, Serial No. 543,311
5 Claims. (Cl. 194—85)



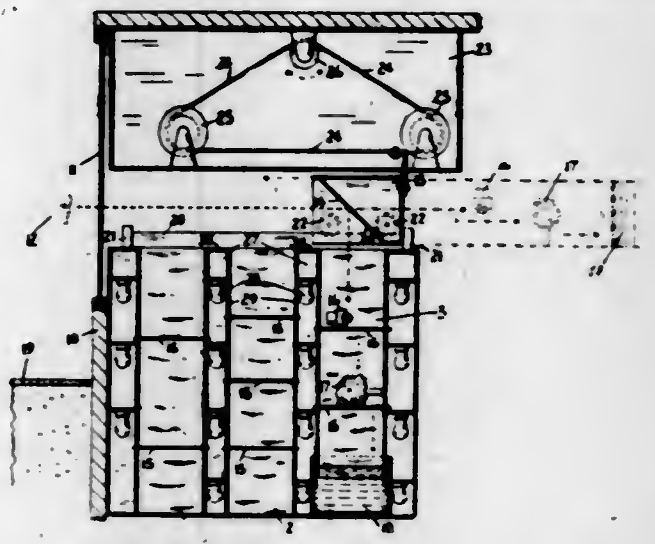
2. A coin controlled mechanism comprising, a coin chute of suitable cross-sectional dimensions for passing a coin of a predetermined denomination, said coin chute being suitably positioned for passing coins therethrough by gravity, a rotary driving member having one end disposed adjacent the lower end of said coin chute for receiving a coin passed through the chute, a rotary driven member in substantial axial alignment with said driving member and spaced therefrom at a distance less than the diameter of coins to be passed through said chute, a pair of coin receiving slots arranged in complementary fashion one in each of the spaced apart rotary members, said slots opening towards each other and being formed of suitable depths into said rotary members so that the distance between the bottoms of the pair of slots is greater than a coin diameter, the slot in said driven member being so arranged angularly with reference to its rotation that when the driven member has completed a desired cycle of operation the slot is suitably aligned with the chute to receive a coin from the chute, a coin retainer movably mounted under the space between said members for retaining a coin in the slots between said rotary members, means actuated by said driven rotary member for moving said coin retainer to release a coin when a predetermined cycle of operations has been completed by said driven member, a second rotary driven member spaced from said first mentioned rotary driven member, chain wheels on both of said rotary driven members, a chain passing over and between said chain wheels, a catch on said chain for moving said coin retainer to releasing position for releasing the coin from between the two spaced apart members when the first mentioned rotary driven member has completed a desired cycle of operation, and base support means for mounting and supporting said rotary members, the coin retainer and the coin chute in cooperative positions.

2,416,666

WINDOW MIRROR DISPLAY

Frederic Shipman, New York, N. Y.
Application July 6, 1944, Serial No. 543,629
12 Claims. (Cl. 272—13)

1. A mirror display consisting of an open top cabinet, a couple of mirrors in said cabinet inclined to two of the opposite side walls of said cabinet and formed into a V with the apex of the V at the bottom, transparent shelves intermediate said mirrors at various heights, means disposed along the other side walls of said cabinet for illuminating its interior, a chamber on top of said cabinet having an open front and an open bottom, and a mirror in said chamber at an angle of 45 degrees to the horizontal and perpendicular to said first mentioned side walls, whereby any article lying prone on one of said shelves, together with all of its reflections, appears in an upright position to an observer looking through the open front of said chamber.



2,416,667

TREATMENT OF RUBBERY DIENE HYDROCARBON POLYMERS PRIOR TO THE INCORPORATION OF COMPOUNDING INGREDIENTS

Herman Elbert Schroeder, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 5, 1944, Serial No. 538,875
27 Claims. (Cl. 260—36)

1. Process for bringing a rubbery, unvulcanized polymer of an acyclic conjugated diene hydrocarbon into condition for the incorporation of compounding ingredients which comprises masticating, a mixture of said polymer with a small amount of a polyvalent heavy metal salt of an N-halogen amide wherein the halogen is selected from the class consisting of chlorine, bromine, and iodine.

2,416,668

PROCESS OF IMPROVING COMPOUNDING CHARACTERISTICS OF BUTADIENE-1,3 COPOLYMERS BY MEANS OF N-HALOGEN AMIDES

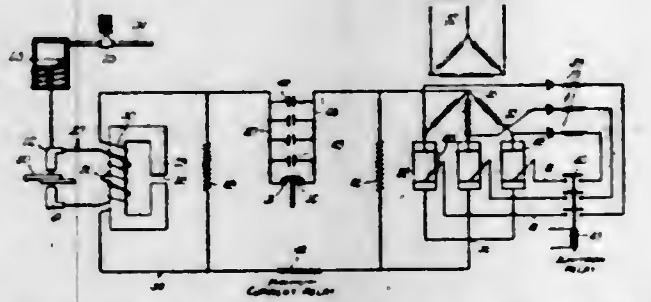
Herman Elbert Schroeder, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 5, 1944, Serial No. 538,876
11 Claims. (Cl. 260—36)

1. Process for bringing a hydrocarbon polymer of butadiene-1,3 into condition for the incorporation of compounding agents which comprises masticating a mixture of said polymer and a small amount, of the order of 0.25 to 5%, based on the weight of the polymer, of an N-halogen amide wherein the halogen is selected from the class consisting of chlorine, bromine, and iodine.

2,416,669

CIRCUIT INTERRUPTING DEVICE WITH CONDENSERS

David Sciaky, Chicago, Ill., assignor to Welding Research, Inc., Chicago, Ill., a corporation of Illinois
Application January 31, 1944, Serial No. 520,492
14 Claims. (Cl. 219—4)

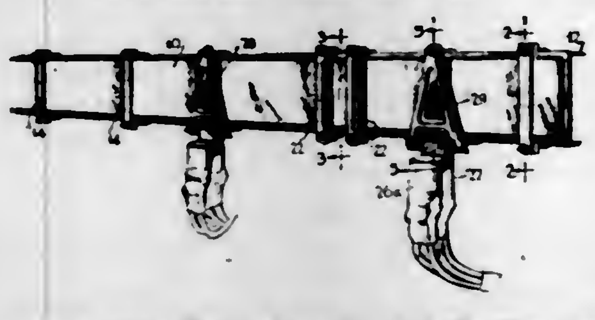


1. In a method of resistance welding in which energy is stored in an electromagnetic storage system having a primary winding, the steps which consist in connecting the primary winding to a source of direct current to cause a charging current to flow through said winding until a preset maximum is reached, rapidly interrupting the flow of said current to prevent ionization of the medium surrounding the contacts at the interruption, providing a parallel circuit of condenser capacity in shunt relation with said contacts to avoid arcing, reducing the inductance of the condenser circuit by locating the interrupting means beyond the condensers, whereby the charging current must flow past the terminals of the condensers and then through the interrupting means, preventing said condensers from discharging back into said source of direct current supply, and shunting said condenser discharge current through a resistance path connected across the terminals of the primary circuit so that said discharge current may flow through the primary winding.

2,416,670

ALTERNATING CURRENT BUS BAR CONSTRUCTION

Comfort A. Adams, Germantown, and John R. Fetcher, Rosemont, Pa., and George Stocker, Audubon, N. J., assignors to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application September 24, 1941, Serial No. 412,160
10 Claims. (Cl. 171—97)

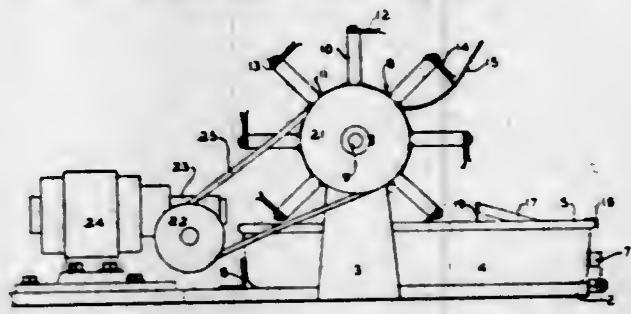


1. In an electrical circuit distribution system supplied by a source of alternating current, a pair of bus bars adapted for series transmission of current to a load from said source, an insulating material between said bars, a metal clamp pressing said bars together upon said material, said clamp being insulated from at least one of said bars and having a portion contiguous one of said bars formed of magnetic material, said insulating material having a thickness of less than a fifth of an inch whereby heating in said clamp is reduced to negligible values.

2,416,671

DEVICE FOR TREATING SHOE STIFFENER BLANKS

Richard Almy and George E. Ehle, Lancaster Township, Lancaster County, Pa., assignors to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application October 20, 1943, Serial No. 506,986
7 Claims. (Cl. 91—46)

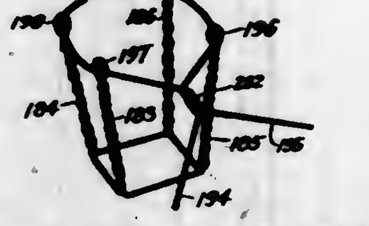


1. In a conditioning machine for shoe stiffener blanks, the combination of a rotatable member having a plurality of spokes extending radially therefrom, resilient fingers disposed on said spokes to yieldingly hold shoe stiffener blanks in position to pass through conditioning solution during the rotation of said member, a receptacle for the conditioning solution, and means engageable with the blanks during rotation of the fingers to extract the blanks from said fingers after the blanks are passed through the conditioning solution.

2,416,672

WIRE HOOD FORMING MACHINE

William J. Archer, San Francisco, Calif., assignor, by mesne assignments, to Accessories, Inc., a corporation of California
Application May 15, 1945, Serial No. 593,927
20 Claims. (Cl. 140—71)

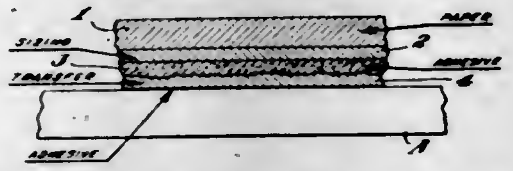


1. A machine in the class described including a main frame and motive means; a mandrel mounted on said frame and adapted to be raised and swung laterally and lowered by said motive means; a pair of annular plates in concentric relation to said mandrel and held in yielding relation to each other on said frame and having registering grooves in their meeting faces, with divergent inlet and outlet openings into and from said grooves; a wire feeding means on said frame in operative relation to said groove inlet and driven by said motive means in synchronism with the operation of said mandrel and adapted to feed a length of wire into said grooves; radial plungers on said frame guided between said plates and adapted to abut the wire in said grooves and move it into contact with said mandrel; radial twister shafts on said frame interspaced between said plungers and having resilient clamps engageable

with said wire in the grooves; and driving means actuated by said motive means for synchronously advancing said plungers and rotating said twister shafts.

2,416,673
DECALCOMANIA AND METHOD OF MAKING

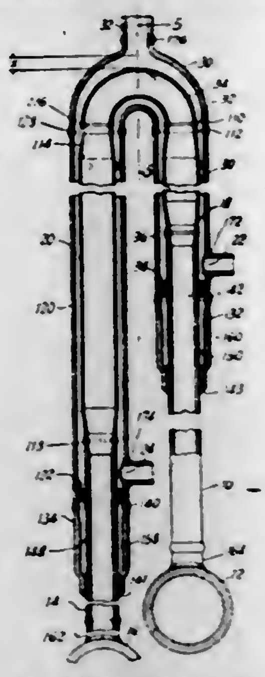
Benjamin Asnes, Framingham, Mass., assigner to Dennison Manufacturing Company, Framingham, Mass., a corporation of Massachusetts
Application June 3, 1943, Serial No. 489,486
24 Claims. (Cl. 41—33)



1. In the art of decalcomanias of the type in which the transfer contains an ink vehicle and the outer face of the transfer is applied to a surface and the backing is then removed to expose the inner face of the transfer by dissolving the intermediate coating of adhesive with water absorbed through the backing, the method of rendering said inner face relatively non-specular which comprises incorporating in said coating finely divided particles which are insoluble in water and in the ink vehicle of the transfer and which are large enough to roughen the outer surface of the coating, drying the coating to solidify it in this roughened condition, applying the transfer to said roughened surface in fluid form so as to conform in contour therewith, and drying the transfer to solidify it in this contour, whereby when the transfer is applied as aforesaid its exposed surface is not shiny.

2,416,674
ATTEMPERATOR

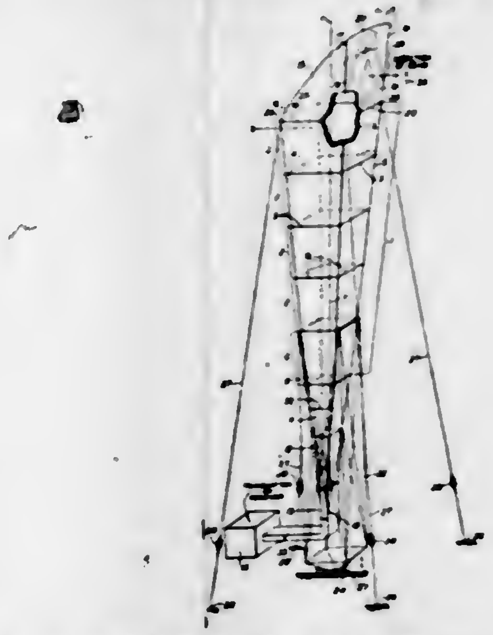
Ervin G. Bailey, Easton, Pa., assignor to The Babcock & Wilcox Company, Rockleigh, N. J., a corporation of New Jersey
Application June 2, 1943, Serial No. 489,337
2 Claims. (Cl. 257—221)



1. In an attemperator for high pressure steam; a plurality of inverted U-tube constructions arranged in a narrow upright wall-like formation; each of said constructions including an inverted inner U-tube one leg of which constitutes an inlet for high pressure superheated steam, the lower end of the other leg of the inner U-tube constituting a superheated steam outlet, an outer U-tube presenting a separate annular envelope for each inner tube, each outer tube enclosing an inner U-tube so as to provide a closed annular cooling chamber in each leg of the construction, means conducting water to the lower part of each cooling chamber, and a steam and water outlet communicating with the upper ends of said chambers, the arrangement presenting two water flow paths for each steam flow path and the water entering the cooling chambers having a temperature materially less than that of the superheated steam.

2,416,675
HORN ANTENNA SYSTEM

Alfred C. Beck, Red Bank, and Harald T. Friis, Rumson, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 26, 1941, Serial No. 420,454
14 Claims. (Cl. 250—11)



1. A quadrangular horn antenna having metallic walls each of varying width and an aperture in one wall at its wide end, said horn antenna having a sectorial cross section in the plane of said aperture.

2,416,676
PRINTING-INK

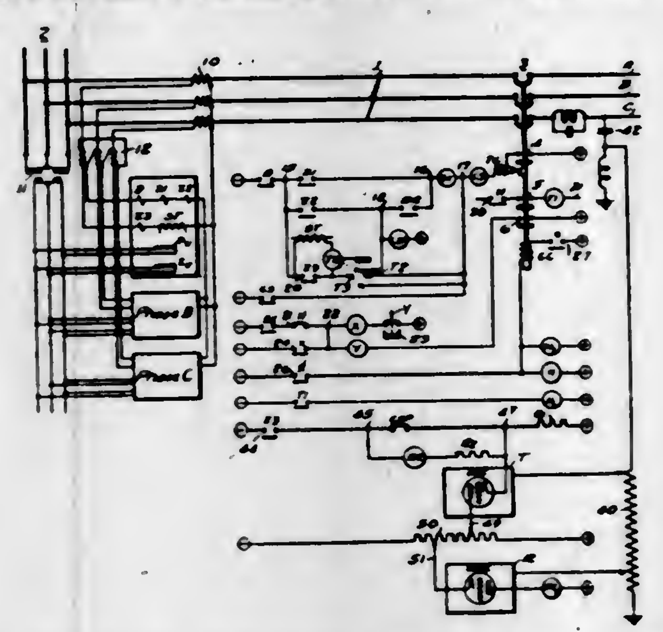
Dominic J. Bernardi and Robert T. Florence, Bronx, N. Y., assignors to Interchemical Corporation, New York, N. Y., a corporation of Ohio
No Drawing. Application March 9, 1944, Serial No. 525,768
3 Claims. (Cl. 106—29)

1. A printing ink vehicle of the oxidizing type, which normally contains a drying oil as its major constituent, the major constituent of which is tall oil reacted with from 2 to 7% of its weight of hydrated lime, inks made therefrom being characterized by drying speed and printability approximating that of similar inks in which the limed tall oil is replaced by linseed oil.

2,416,677
INTERNAL-FAULT SELECTIVE RECLOSING-RELAY

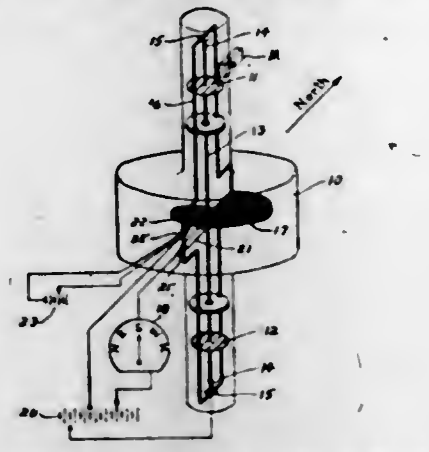
John L. Blackburn, East Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 29, 1944, Serial No. 524,348
4 Claims. (Cl. 175—294)

1. Terminal protective equipment for protecting a terminal of a transmission-line section, comprising the combination, with a line-sectionalizing circuit-interrupting means at that terminal of the line-section, of internal-fault-responsive relaying-means for selectively energizing an internal-fault trip-circuit conductor in response to an internal fault on the protected line-section, external-fault-responsive relaying-means for selectively energizing an external-fault trip-circuit conductor in response to an external fault elsewhere on the transmission system, a selector-relay having an operating-coil, circuit-means for connecting the operating-coil of the selector-relay between the two trip-circuit conductors, opening-means energized from one of said trip-circuit conductors for effecting an opening operation of said circuit-interrupting means, and closing-means responsive to said selector-relay for effecting a reclosing operation of said circuit-interrupting means only in the event of an energization of said internal-fault trip-circuit conductor.



2,416,678
ELECTRONIC RATIO BRIDGE SYSTEM REPEATER

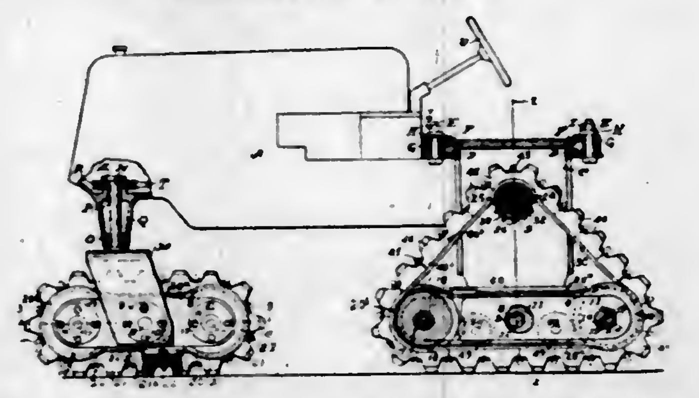
Adolph W. Borsum, United States Navy
Application December 17, 1941, Serial No. 423,359
17 Claims. (Cl. 177—351)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A space discharge device comprising an electron emissive cathode, a plurality of anodes spaced from said cathode, beam forming means for restricting to a beam the stream of electrons reaching said anodes, and means for obtaining relative rotation between said beam and said anodes to generate an angle, said anodes being serially positioned about the axis of rotation and the adjacent edges of adjacent portions of said anodes having a configuration to cause the ratio of the beam affected area of one of said anodes to the beam affected area of an adjacent anode to vary as the tangent function of said generated angle.

2,416,679
JOINTLESS TRACKLAYER SUSPENSION

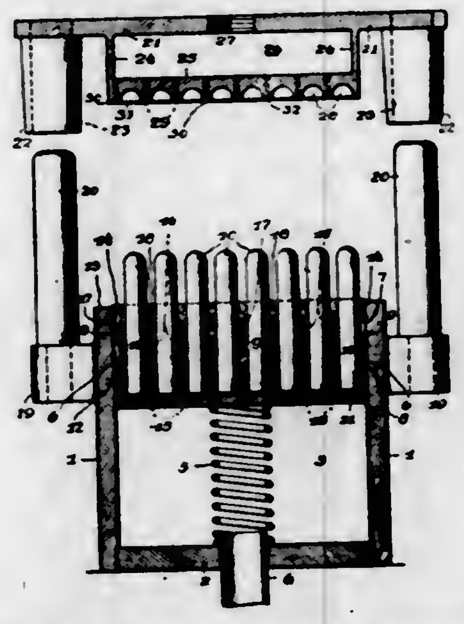
George W. Curtis, Wauwatosa, Wis.
Application March 1, 1943, Serial No. 477,559
19 Claims. (Cl. 305—9)



1. An endless tracklaying unit for use on a vehicle comprising a frame, spaced guiding members rotatably mounted on said frame, an endless metal band supported by said spaced guiding members, said band having straight stretches extending between the guiding members and having longitudinally curved portions cooperable with the guiding members, said band being inherently curved in cross-section to present a transversely convex outer surface and a transversely concave inner surface on the straight stretches, and said band having the inherent characteristic of temporarily changing to a straight cross-section at its longitudinally curved portions which cooperate with the guiding members, and ground engaging means movable with the band and braced against inward pressures by one of the straight stretches of said band.

2,416,680
APPARATUS FOR MAKING ACCRETED FIBROUS PRODUCTS

Russell H. Curtis, St. Charles, Ill., assignor, by mesne assignments, to Hawley Products Company, a corporation of Delaware
Application August 14, 1943, Serial No. 498,687
8 Claims. (Cl. 92—54)



1. In apparatus for forming accreted fibrous products having a large number of relatively closely spaced apertures, a foraminous felting former having a fixed perforated plate and side

walls providing a felting depression, a spring-pressed perforated member disposed below the plate and carrying a plurality of upstanding pins aligned with the perforations in the plate with the pins being of such length as to extend through and above the plate and felting depression to form well defined apertures in the fibrous product being accreted, a suction chamber below and communicating through the perforations of both the plate and member providing drainage from the depression, a foraminous transfer device adapted to be lowered to engage and depress the pins and member and engage the article, means for aligning the transfer device with the former and pins, and suction means associated with the transfer device whereby the latter picks up the article and removes it from the depression.

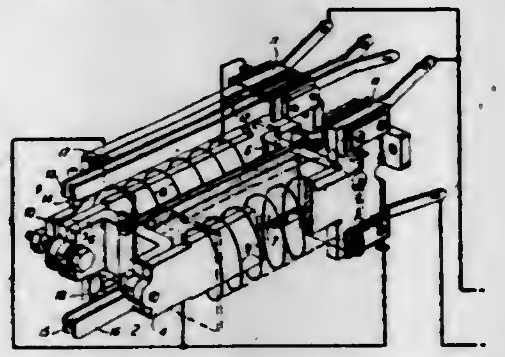
2,416,681

ALTERNATING CURRENT RELAY

Emil Dickten, Jr., Totowa, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application October 5, 1943, Serial No. 505,026

10 Claims. (Cl. 175—339)



1. In an alternating current relay a pair of magnetic cores, a magnetic bridge member interconnecting one end of each core, a second magnetic member interconnecting the other ends of said cores thus constituting a closed magnetic circuit, an armature pivotally supported from one bridge member and attractable to the other bridge member, a permanent magnet interconnecting said bridge members, and means including a winding on each of said cores for subjecting said cores and bridge members to successive half waves of alternating current whereby a unidirectional magnetic flux is caused to flow in said armature.

2,416,682

SUGAR RECOVERY PROCESS

Arvid M. Erickson, San Jose, and John D. Ryan, Campbell, Calif., assignors to Barron-Gray Packing Company, San Jose, Calif., a corporation of California

No Drawing. Application December 16, 1942, Serial No. 469,230

15 Claims. (Cl. 127—46)

1. In the process of purifying impure sucrose compositions comprising glucose and other impurities, the steps which comprise adding to an aqueous solution comprising the impure sucrose composition a divalent alkaline defecating agent in an amount sufficient to increase the pH of the sucrose solution to substantially the pH above 10 at which a break occurs and which results in the formation subsequently of a granular, readily filterable and washable precipitate, then when the reaction at this pH is complete adding an acid defecating agent in an amount sufficient to reduce the pH of the sucrose solution to a pH between about pH 9.2 and the minimum pH of the natural juices of any plant producing sucrose and glucose in combination and at which pH the aforementioned granular, readily filterable and washable precipitate is obtained, then separating the precipitate so formed to leave a clear liquid, said composition being maintained at a temperature below about 54° C., at least during the time when it has a pH above about 9.2.

2,416,683

WAVE TRANSMISSION NETWORK

Tudor R. Finch, Jackson Heights, N. Y., and David A. McLean, Chatham, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application October 26, 1944, Serial No. 560,508

20 Claims. (Cl. 178—44)

1. A wave transmission network comprising a form made of insulating material, an inductor wound on said form, a layer of organic insulating enamel over said inductor, and an adherent, conducting coating applied over said enamel and firmly bonded thereto, said inductor being a continuous, closely spaced winding extending substantially from one end of said form to the other and said conducting coating extending in uniform width substantially from one end of said inductor to the other and part way only around said inductor.

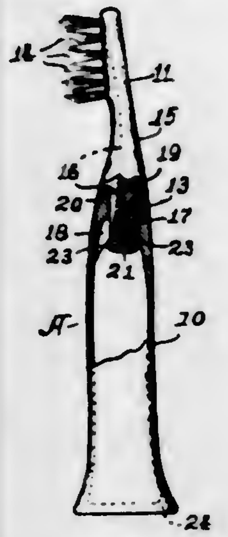
2,416,684

FOUNTAIN BRUSH

Howard L. Fischer, St. Paul, Minn., assignor of forty-nine per cent to George Ulvick, Minneapolis, Minn.

Application September 4, 1943, Serial No. 501,335

4 Claims. (Cl. 15—138)



1. A toothbrush of the character described, including, a dentifrice containing body having an open neck portion, the internal wall defining the neck portion being formed with an inwardly facing groove having one of its ends opening into the body and its opposite end terminating spaced from the free end of said neck portion and a detachable bristle supporting head having a reduced bifurcated portion resiliently and rotatably mounted within the neck portion of the body, said bristle supporting head being formed with a longitudinally extending outwardly facing groove having one of its ends terminating intermediate the ends of one leg of the reduced bifurcated portion, whereby said last named end of the outwardly facing groove is moved into and out of alinement with the inwardly facing groove of the neck portion of the body during predetermined rotative movements of the bristle supporting head relative to said body.

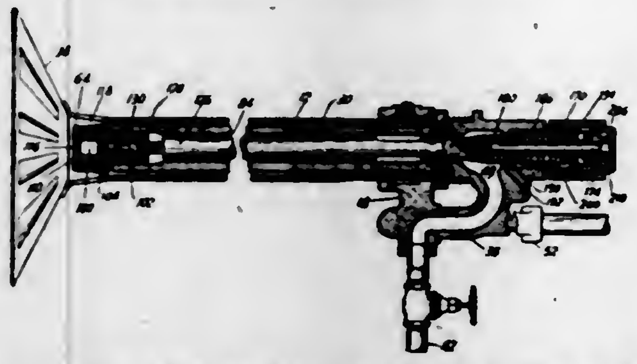
2,416,685

ATOMIZER

James Fletcher, Akron, Ohio, assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey

Application March 1, 1941, Serial No. 381,217

12 Claims. (Cl. 299—119)



1. In a liquid atomizer, means forming a whirl chamber having an outlet orifice in an end wall thereof and a series of tangentially directed inlet ports for liquid distributed longitudinally thereof in an enclosing cylindrical wall, means for varying the effective flow area of said ports comprising a plunger telescoping with said first named means and having a valving edge movable forwardly in the direction of said orifice for progressively decreasing the amount of port area effective for the flow of liquid into said chamber, means for moving said plunger including a movable spindle having an axially adjustable connection therewith, and means limiting the forward movement of said spindle and thereby the port area decreasing movement of said valving edge to a position rendering a predetermined amount of said port area continuously effective.

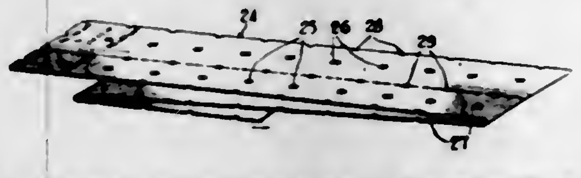
2,416,686

TICKET STRIP AND TICKET

Benjamin H. Freedman, New York, N. Y.

Application December 19, 1944, Serial No. 568,887

6 Claims. (Cl. 283—53)



6. A ticket strip having a longitudinally extending weakened line defining two longitudinally extending stub areas and having printed matter to define successive ticket unit areas, there being two feed pin openings along the division between successive ticket unit areas but spaced from the longitudinally extending weakened line, also openings at the intersection between said longitudinally extending weakened line and the divisions between successive ticket unit areas, and recesses at the edges of the strip at the ends of the divisions between successive ticket unit areas to facilitate determining the successive ticket unit areas from one another without presenting a weakened area to the feed pins with the accompanying danger of jamming the ticket dispensing machine should an unintentional resisting force cause the feed pin to tear along the weakened line while disposed in a feed pin receiving opening, and folds in said strip intermediate the divisions between successive ticket unit areas, the folds being formed in cyclical groups, each group consisting of a plurality of sections of said strip, each section in turn consisting of a plurality of successive unit areas between successive folds, and each section varying successively in length, said feed pin receiving openings being spaced from the longitudinally extending weakened line.

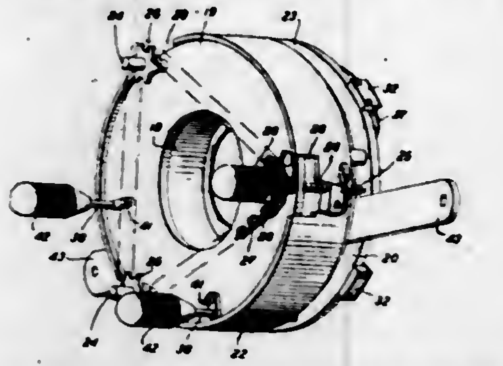
2,416,687

MAGNETIC FOCUSSING DEVICE

Eugene M. Fry, Matawan, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application March 30, 1944, Serial No. 528,697

19 Claims. (Cl. 250—161)



1. In combination, a cathode-ray device including means to develop a beam of electrons and a fluorescent screen on which said beam impinges and a magnetic structure surrounding said device for focussing and centering said beam on said screen comprising an annular core member of high magnetic flux density, a metallic shunt sleeve surrounding said core member, means for adjusting said sleeve with respect to said core member to vary the flux distribution, an annular metallic plate supported on one end of said core member, and means adjacent said core member engaging said plate for transversely moving it whereby the axis of said plate is laterally displaced with respect to the axis of said core member.

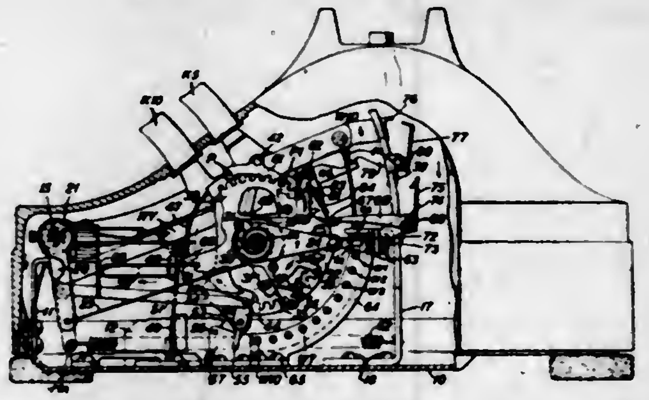
2,416,688

CALL TRANSMITTER

Harold W. Goff, Manhasset, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application May 10, 1944, Serial No. 534,856

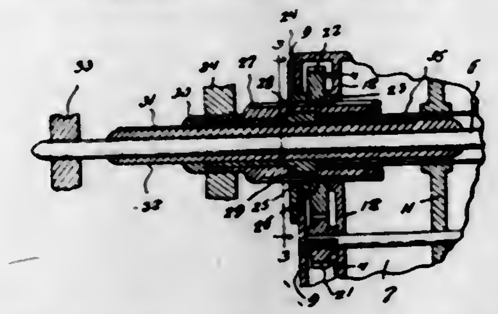
10 Claims. (Cl. 177—380)



1. In a switching device; a contact, a time mechanism having an escapement wheel, an anchor member, a balance wheel and a spiral spring, a set of numbered key members manually operable individually for tensioning said spiral spring and means operable for starting and stopping the

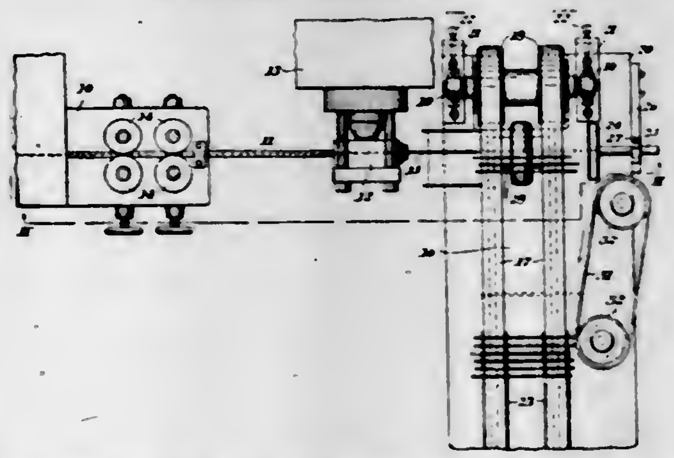
operation of said balance wheel for controlling the number of make and break of said contact according to the operated key member in said set.

2,416,689
PROPULSION MECHANISM
Thomas M. Grady, Dorchester, Mass.
Application September 27, 1944, Serial No. 556,021
4 Claims. (Cl. 170—135.5)



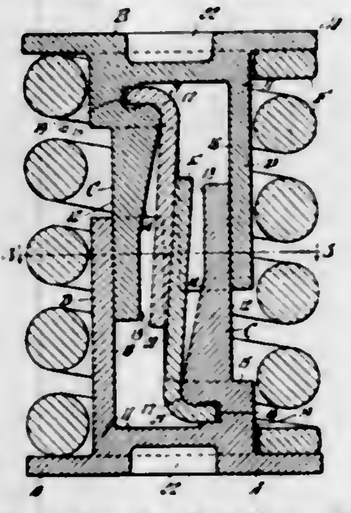
1. In an aircraft engine including a housing therefor and having propellers operatively mounted on said engine in tandem fashion, said engine having a crank shaft extension projecting forwardly beyond said housing and having the forward propeller fixedly mounted on said crank shaft in a forward position, in combination with a tubular fixed support mounted on the housing and containing an intermediate portion of said crank shaft extension, a slidable sleeve slidably splined on said tubular fixed support, a rotating sleeve having an annular groove in association with said slidable sleeve and mounted on said tubular support said slidable sleeve having a circumferential enlargement received in the annular groove of said rotating sleeve, the forward end of said rotating sleeve having the rear propeller fixedly mounted thereon, means connected to said circumferential enlargement for adjustably sliding said slidable sleeve and said rotary sleeve and its rear propeller as a unit to and fro relative to said forward propeller, in further combination with gear mechanism propelled by said crank shaft to rotate said rear propeller in a direction of rotation opposite from that of the forward propeller, said gear mechanism being actuated by a spur gear mounted on the rear end of said crank shaft.

2,416,690
APPARATUS FOR HANDLING WELDING RODS OR THE LIKE
Wilbert E. Hardy, McKees Rocks, Pa., assignor to The McKay Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application March 9, 1943, Serial No. 478,566
4 Claims. (Cl. 198—20)



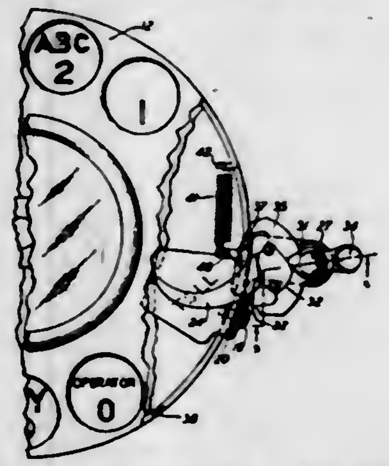
1. Apparatus for handling magnetic rods discharged longitudinally in free flight and in rapid succession from a feeding mechanism, comprising a conveyor below the discharge path of said rods moving generally normal to said path, a target adjacent said conveyor adapted to arrest said rods in flight, and a magnet below said conveyor serving to attract said rods onto the conveyor on rebounding from said target.

2,416,691
FRICTION SHOCK ABSORBER
Stacy B. Haseltine, La Grange, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application February 4, 1944, Serial No. 521,023
17 Claims. (Cl. 267—9)



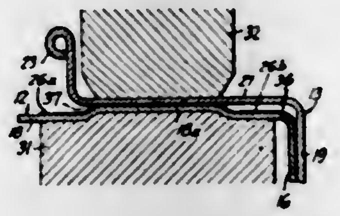
1. In a friction shock absorber, the combination with relatively lengthwise movable pairs of friction elements having cooperating friction surfaces, the elements of each pair being rigid and rigidly connected to each other; of spring means forcing said elements of one pair laterally in one direction and the elements of the other pair laterally in the opposite direction into tight frictional engagement with each other; and spring means opposing relative lengthwise movement of said pairs of elements toward each other.

2,416,692
IMPULSE TRANSMITTER
Ralph E. Hersey, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 11, 1945, Serial No. 615,539
7 Claims. (Cl. 179—90)



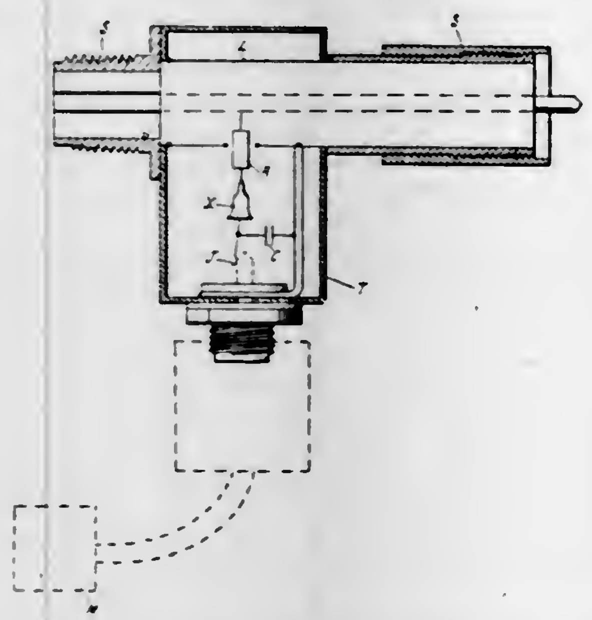
1. In a telephone dial, the combination of a dial casing, a finger-stop, and means for mounting said finger-stop on said casing comprising a carriage slidably supported on said casing, means for mounting said finger-stop on said carriage, and manually engageable means fixed to said finger-stop by means of which said carriage may be moved on its support relative to said casing.

2,416,693
CONTAINER CONSTRUCTION
Leslie W. Hills, San Francisco, Calif., assignor to Hills Bros. Coffee, Inc., San Francisco, Calif., a corporation of California
Application August 6, 1943, Serial No. 497,641
10 Claims. (Cl. 220—81)



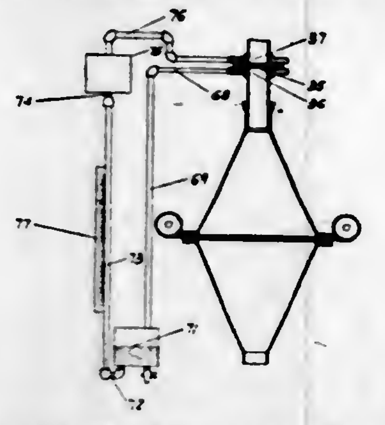
5. In a container construction wherein a metal wall part of the container is provided with an opening for access into the interior of the container, a cover part formed with an annular portion proportioned to have frictional engagement with the opening and also having a wall portion in juxtaposition with a region of the wall part surrounding the opening, solder repellent surface areas formed on one of the parts in said region, said areas being separated by a narrow continuous strip of metal adapted to receive solder and surrounding the opening, a solder seal formed between the strip of metal and the other part, and means carried by the cover to enable prying of the same to break the solder seal.

2,416,694
TRANSMISSION LINE VOLTAGE INDICATOR
David A. Howard, Jr., Hartwell, Ga.
Application January 2, 1945, Serial No. 571,059
4 Claims. (Cl. 171—95)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



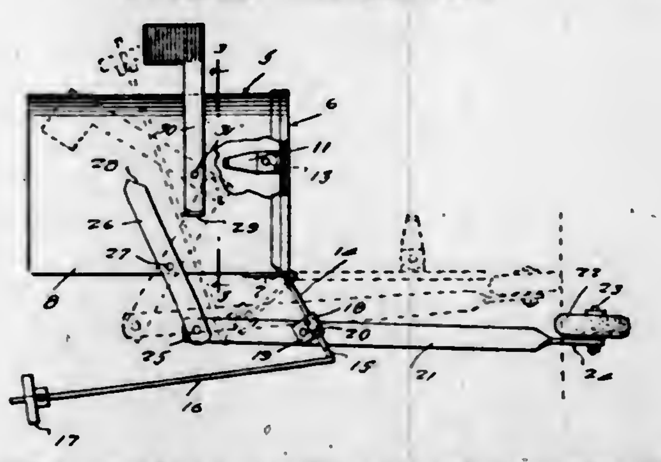
1. An instrument for indicating the presence and magnitude of standing waves on a transmission line comprising a housing, a section of coaxial line mounted thereon and extending therethrough and provided with end connectors exterior to said housing whereby said instrument may be selectively inserted in a transmission line, a circuit in said housing and including said section of coaxial line, a resistor in said circuit, a crystal rectifier in series with said resistor in said circuit, a condenser in series with said resistor and said rectifier in said circuit, and a jack in said circuit for plug-in connection.

2,416,695
METHOD AND APPARATUS FOR IMPREGNATING FILTER MATERIAL
Stuart M. Jessop, Baltimore, and Harry E. Dyer, Havre de Grace, Md.
Application January 6, 1936, Serial No. 57,732
17 Claims. (Cl. 117—16)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



14. The method of impregnating fine carbon particles into a continuous sheet of filter material having a variable resistance to flow of air therethrough so as to have a substantially constant resistance to air flow through the impregnated sheet, comprising moving the sheet of filter material through a stream of gas laden with fine carbon particles continuously measuring the resistance of the filter material to air flow during its passage through the stream of gas, and varying the speed of the filter material through the stream of gas in accordance with variations in the air resistance.

2,416,696
MAILBOX
Austin E. Johnson, Bethune, Colo.
Application August 21, 1945, Serial No. 611,806
3 Claims. (Cl. 232—35)



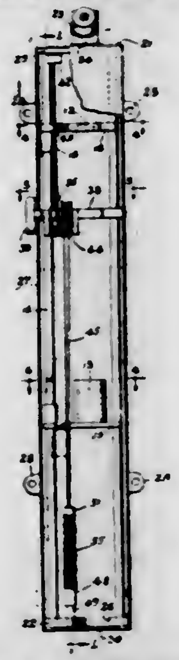
1. The combination with a mail box or the like having a casing and a door hinged at its lower edge to the front opening of the casing and a flag pivoted on one side of the casing and normally positioned in a raised position, a weighted rod secured to said door and extending rearwardly alongside of the casing for gravitationally returning the door to closed from open position, a flag-lowering lever pivoted intermediate its ends on the side of the casing, a horizontal bar pivoted intermediate its ends on a portion of said weighted rod and pivoted at its rearward end to the lower end of said lever, the pivotal points being arranged so that when said horizontal rod is pushed rearwardly from its rest position with the door closed, said weighted rod will be elevated to open the door and said lever will be swung on its pivot to engage the flag and pivot the flag from its raised to a depressed position.

2,416,697
TELESCOPE

Erwin J. Kaiser, Fond du Lac, Wis., and Joseph Dauber, Chicago, Ill., assignors to Giddings & Lewis Machine Tool Co., Fond du Lac, Wis., a corporation of Wisconsin

Application March 24, 1943, Serial No. 480,318

7 Claims. (Cl. 88—32)



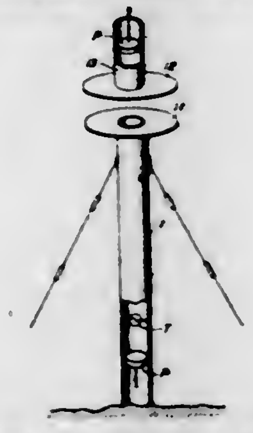
4. A telescope having, in combination, a rigid frame including end members connected by parallel guide members, an optical element stationarily supported on one end member, a pair of carriers mounted on said guide members for independent movement, an optical element mounted on each carrier, the other of said end members having a viewing window alined on the optical axis of said elements, focusing mechanism including a shaft disposed transversely of the optical axis of the elements and rotatably supported on said guide members, a pair of drums fixed on said shaft, cables wound on said drums and operatively connected to the respective carriers so as to shift the carriers toward or away from each other in response to rotation of the drums in one direction or the other, and manually operable means for rotating said shaft and said drums.

2,416,698
RADIATION AND RECEPTION OF MICROWAVES

Archie P. King, Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Original application April 29, 1938, Serial No. 204,960, now Patent No. 2,283,935, dated May 26, 1942. Divided and this application May 25, 1942, Serial No. 444,393

6 Claims. (Cl. 250—11)



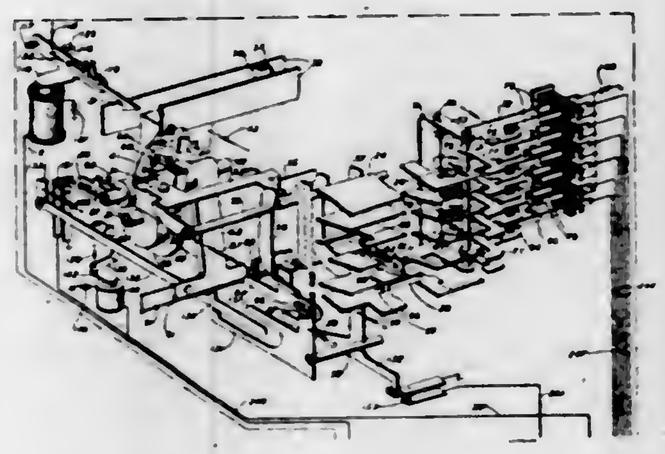
3. An antenna system comprising a pair of vertically separated, laterally extended conductive expanses in capacitive relation, the region between said expanses being open to free space at the outer edges of said expanses, means for energizing said expanses with the waves to be radiated or for receiving intercepted radio waves therefrom, and a conductively bounded chamber apart from and opening into the space between said expanses, said chamber being so proportioned and dimensioned as to enhance the exchange of wave energy between free space and said energizing or receiving means.

2,416,699
STATION SELECTOR SYSTEM

Fullerton S. Kinkead, deceased, late of New York, N. Y., by Rita Smith Kinkead, administratrix, Trudeau, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application December 8, 1942, Serial No. 468,210

22 Claims. (Cl. 178—2)



1. In a communication system, a communication channel, a plurality of telegraph stations associated with said channel, a printing telegraph recorder at each station, means in each recorder for suppressing printing operation thereof, a relay at each station operable to disable said suppressing means, a second relay at each station operable to estop operation of unoperated ones of said disabling relays, a plurality of signal responsive selector elements in each of said recorders, a selectable member directly responsive to said selector elements for controlling one of said relays, a plurality of sets of electrical contacts controllable by said selector elements in accordance with the signal responsive operation of said elements, a plurality of relays controlled by said electrical contacts, and means controlled by the last-mentioned relays for selectively establishing an energizing circuit for the other of the two first-mentioned relays.

2,416,700
REFRACTORY CONCRETE

Daniel W. Kocher, Chicago, Ill., assignor, by mesne assignments, to Universal Atlas Cement Company, Indianapolis, Ind., a corporation of Indiana

No Drawing. Application August 26, 1944, Serial No. 551,447

15 Claims. (Cl. 106—64)

1. A mix for forming refractory concrete comprising calcium aluminate cement from 5 to 60% by weight of the mix and topaz containing at least 1% by weight of fluorine from .5 to 95% by weight of the mix.

2,416,701
REFRACTORY CONCRETE

Daniel W. Kocher, Chicago, Ill., assignor, by mesne assignments, to Universal Atlas Cement Company, Indianapolis, Ind., a corporation of Indiana

No Drawing. Application August 26, 1944, Serial No. 551,448

19 Claims. (Cl. 106—64)

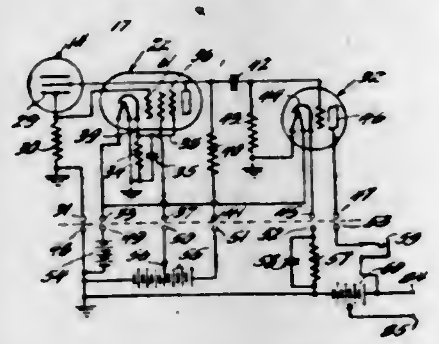
1. A mix for forming refractory concrete comprising calcium silicate cement from 5 to 60% by weight of mix and topaz containing at least 1% by weight of fluorine from .5 to 95% by weight of the mix.

2,416,702
APPARATUS AND METHOD FOR RECORDING BOREHOLE RADIOACTIVITY

Shelley Krasnow, New York, N. Y., assignor to Geophysical Development Corporation, Washington, D. C., a corporation of Delaware

Application November 26, 1941, Serial No. 420,584

11 Claims. (Cl. 250—83.6)



1. In an apparatus for the measurement of radioactivity within a deep narrow borehole, an assemblage containing an element sensitive to radioactivity, and an auxiliary amplifying tube operated thereby, the said tube and said element requiring a multiplicity of diverse voltages for operation the said assemblage having narrow lateral dimensions and lowerable below the surface of the ground, a cable having conductors serving to connect the assemblage to apparatus at the surface of the earth, and energizing means at the surface of the earth, the said means providing through the intermediacy of the cable all of the multiplicity of diverse voltages and all of the electrical energy required for operation of the assemblage below ground, the output of the said amplifying tube being transmitted through the same cable, at least one of the conductors thereof serving a plural power conveying and signalling function.

2,416,703
CRYSTAL INDEXING FIXTURE

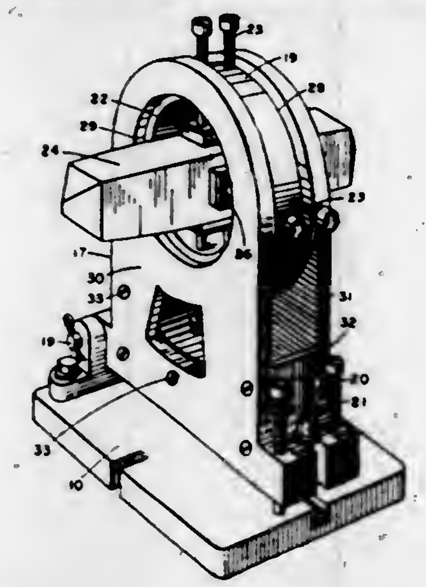
Wilbert P. Marshall, Cleveland Heights, Ohio

Application June 22, 1945, Serial No. 601,051

4 Claims. (Cl. 51—217)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A crystal indexing fixture comprising a carriage, a support pivotally mounted on the carriage to swing about an axis fixed relative to the carriage, said support comprising a pair of upright front and rear plates spaced apart parallel and having circular, openings with rabbeted rims facing each other, a ring form crystal holder mounted between said plates with its opposite ends fitted into said rabbeted rims for rotation therein, a plurality of pairs of clamping screws extending radially through the holder between the plates, each pair terminating within the holder at a work-clamping shoe supported at spaced points on the ends of the screws for slight universal movement relative thereto, whereby a crystal may be clamped in the ring-form holder and adjusted angularly with respect to the axis of the ring-form holder.

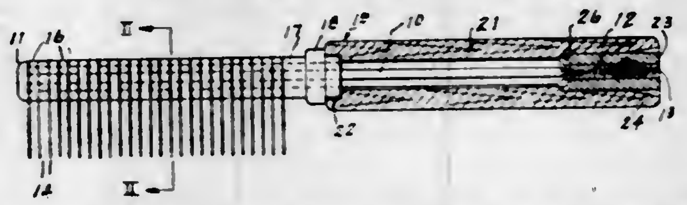


2,416,704
COMB

William J. Mims, Birmingham, Ala.

Application September 20, 1945, Serial No. 617,496

2 Claims. (Cl. 132—16)



2. In a comb embodying a row of metal teeth with spacers between the teeth, all slidably mounted on a mounting rod, a head on the rod at the outer end of the row of teeth against which the row of teeth bear, an elongated cuff slidably mounted on the rod and bearing against the inner end of the row of teeth, a wooden handle on the rod bearing against the cuff and having a bore therein substantially larger in diameter than the rod and forming therewith a substantial dead air space, a threaded pointed outer end on the mounting rod, and an internally threaded sleeve mounted within the outer end of the handle and covered thereby, said sleeve having its end inside the handle funnel shaped whereby to receive the pointed end of the mounting rod.

2,416,705
APPLICATOR

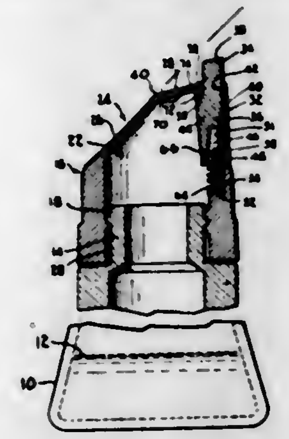
Augustine M. Mazzarelli, New York, N. Y., assignor to Henry L. Burkitt, New York, N. Y.

Application January 17, 1942, Serial No. 427,106

10 Claims. (Cl. 15—139)

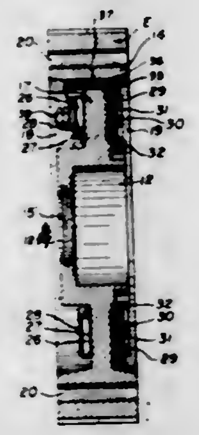
5. A dispensing spreader for fluid, the spreader comprising a body having an end wall and a side wall forming a cavity therewithin, the end wall having a pair of substantially planar faces, the faces being angularly disposed with relation to each other to define substantially an obtuse angle therebetween, one of the faces having an opening therethrough to provide a passage for fluid, the opening being located adjacent an edge of that face removed from the other faces, flow-controlling means cooperating with and movable into and out of flow-cut-off position with relation to the opening, and means between the flow-con-

trolling means and the body to guide the flow-controlling means in its movements with relation to the opening, the guiding means being arranged to provide drainage for fluid away from the operating parts of the flow-controlling means and the guiding means when the dispensing spreader is normally inoperative.



2,416,706
COMPRESSION DRUM FOR FORMING COTTON AND THE LIKE

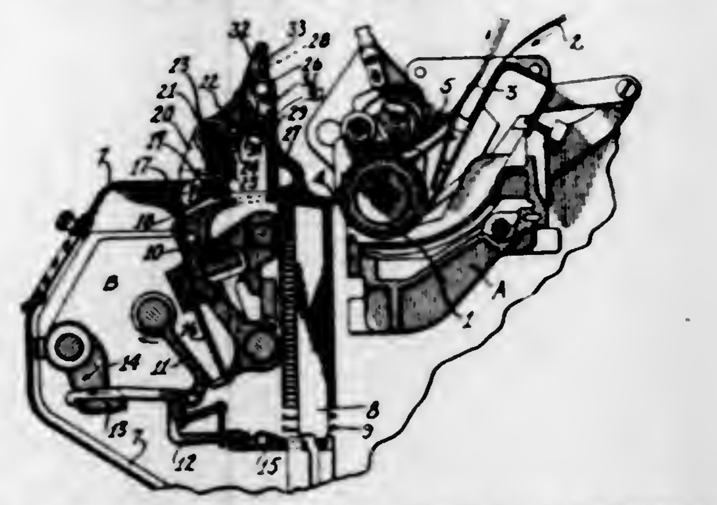
John R. McLaughlin, New Brunswick, N. J., assignor, by mesne assignments, to Tampax Incorporated, New York, N. Y., a corporation of Delaware
Application October 23, 1942, Serial No. 463,093
9 Claims. (Cl. 18—5)



1. An apparatus for forming and compressing fibrous material into catamenial tampons embodying a rotatable drum having a peripheral rim portion provided with an annular series of material-receiving open bores serving as pockets; means for successively closing one end of said bores, plunger means confronting said bore and closing means with said drum therebetween for compressing fibrous material in said bores, an electric heating element mounted on a lateral face of said drum below said peripheral rim and adjacent said pockets; an annular contact member mounted on the other face of said drum and having electrical connection with said heating element; stationary electric current conducting means alongside said drum having operative connection with said contact member during rotation of said drum; thermo-responsive means adjacent said heating element; and a switch interposed in said current conducting means and having operative connection with said thermo-responsive means, whereby said material receiving pockets are maintained heated to preset the fibrous material in its compressed form corresponding to the shape of said pockets in said drum.

2,416,707
IMPRINTING MACHINE

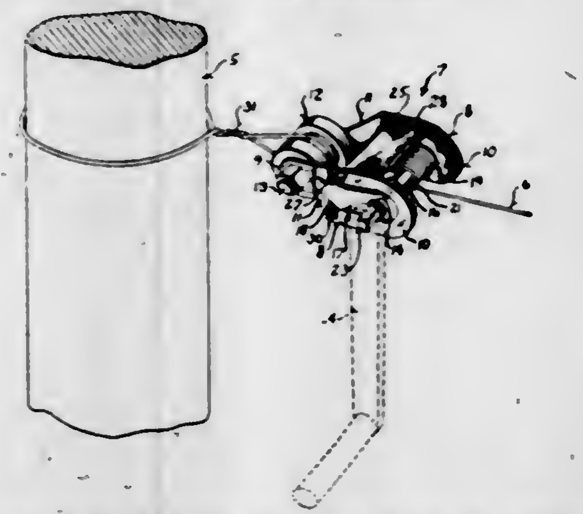
Albert W. Metzner, Dayton, Ohio, assignor to The Standard Register Company, Dayton, Ohio, a corporation of Ohio
Application July 20, 1942, Serial No. 451,542
5 Claims. (Cl. 101—93)



2. A recording apparatus of the type wherein a plurality of predetermined character imprinting elements are automatically aligned in printing position for engagement with record material progressively advanced past an imprinting position wherein it receives successive lineal impressions of aligned imprinting elements under influence of individual impact operating devices for the character imprinting elements, including a plurality of vertical line imprinting elements operative between different adjacent character imprinting elements, the respective character imprinting element operating devices being common to an adjacent line imprinting element for effecting simultaneous imprinting engagement of the character imprinting elements and certain optionally selected vertical line imprinting elements and selective means for rendering the common operating devices ineffective to operate a character imprinting element or a line imprinting element at will.

2,416,708
WIRE TAKE-UP REEL

Sidney A. Moore, Milwaukee, Wis., assignor to The Prime Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin
Application November 4, 1944, Serial No. 561,885
3 Claims. (Cl. 254—161)



2. In a take-up reel of the character described: a frame including a pair of opposed identical stamped arms; a spool type insulator positioned between the arms at one end thereof to hold the arms spaced apart; a bolt passing through aligned holes in the insulator and the arms for holding the arms connected with the insulator; bearings on the arms aligning on an axis parallel to the bolt axis but at the opposite end of the arms; a reel disposed between the arms and having trunnion portions received in said bearings whereby the reel is rotatably supported from the frame between said arms; a stamped plate bridging the space between the arms substantially medially between the bolt and reel axes and lying in a plane parallel to said axes but with its ends extending crosswise of and abutting against each arm, said plate having a width substantially equal to the width of the arms so that the ends of the plate bear against substantially the full width of the arms; tangs projecting from points adjacent to the opposite extremities of said ends of the plate and passing through suitable apertures in each of the arms so as to rigidly hold the arms against turning on the bolt axis to thereby assure free rotation of the reel in the use of the device; a ratchet on the reel; a pawl pivotally mounted between the arms and engageable with the ratchet teeth; and means for turning the reel.

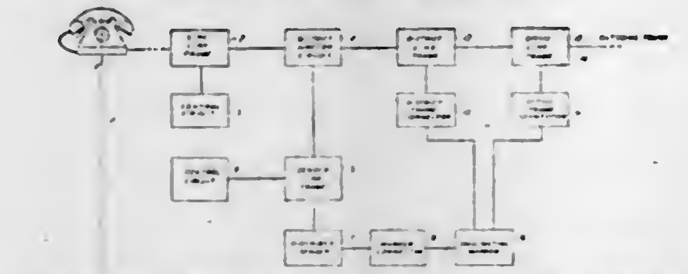
2,416,709
METHOD OF TREATING TIN BEARING MATERIALS

Irving E. Muskat, Plainfield, N. J.
No Drawing. Application September 6, 1945, Serial No. 614,825
24 Claims. (Cl. 23—53)

15. In the method of recovering tin from a low grade tin ore containing a substantial amount of metallic impurities including iron and a substantial quantity of inert components and at least about 5% of tin in a form in which it is in a substantially aqueous alkali-insoluble state, the steps comprising heating such ore in a finely divided state in a reducing atmosphere at a temperature below that at which the ore fuses under conditions such that reduced ore containing tin in dispersed small particles in a form soluble in aqueous alkali solution is produced, and reacting the product of such treatment containing the said soluble tin with an aqueous solution of an alkali metal hydroxide, at a temperature of at least about 75° C., so as to convert the tin to a water-soluble tin compound which may be dissolved without solution of iron in objectionable amounts.

2,416,710
MARKER CIRCUIT FOR CROSSBAR TELEPHONE SYSTEMS

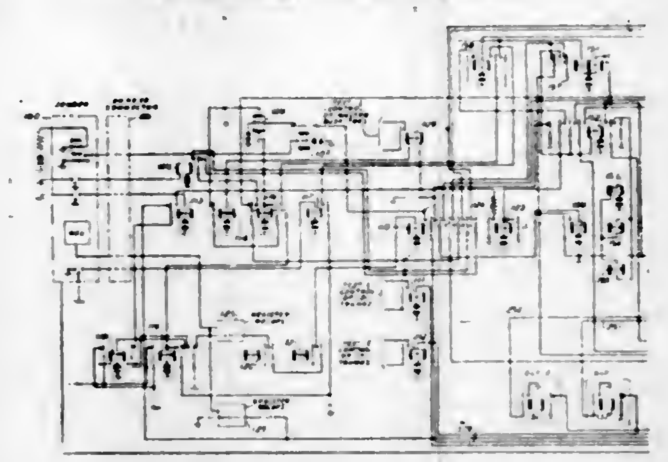
Oscar Myers, Mount Vernon, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 28, 1943, Serial No. 515,917
11 Claims. (Cl. 179—22)



1. In an electrical control system, a master control circuit, a plurality of connectors through which said master control circuit may exercise control over other circuits, means in said master control circuit for simultaneously starting the seizure of a plurality of idle ones of said connectors, and means operating through a busy one of said connectors for identifying in said master control circuit another of said connectors.

2,416,711
TOLL TRUNK SELECTION

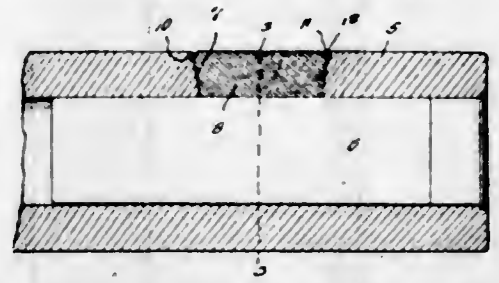
Oscar Myers, Mount Vernon, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 7, 1945, Serial No. 614,957
10 Claims. (Cl. 179—27)



1. In a telephone system, an automatic switching office, a plurality of other offices, said automatic switching office having incoming trunks from said other offices and outgoing trunks to said other offices in groups according to the code designation of said other offices, control means common to said trunks, trunk testing means in said control means, means responsive to the registration of the code designation of one of said offices in said control means to connect said trunk testing means with the trunks outgoing to said office, means under the control of said trunk testing means normally effective to select any idle one of said group of outgoing trunks to route a call to said one office, means to render a plurality of said outgoing trunks unavailable to said selecting means, an operator's position, and means under the control of said operator's position to render all of said trunks available to said selecting means.

2,416,712
FIREARM CHAMBER LOADING INDICATOR

William H. Parker, Millville, N. J.
Application November 3, 1944, Serial No. 561,739
1 Claim. (Cl. 42—76)



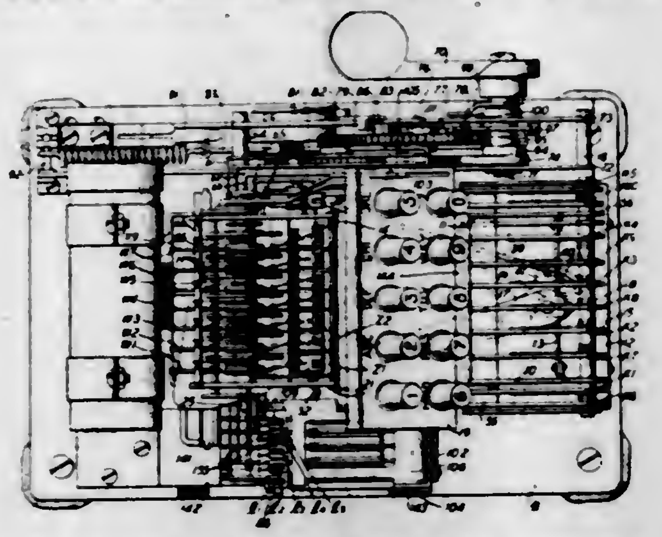
A barrel for firearms of a type including a cartridge chamber adapted for firing a cartridge, said cartridge chamber having an opening in its wall in the region of the cartridge, a transparent plug fitted in said opening, the walls of said opening and the edges of said plug having grooves formed therein and a snap ring seated in said grooves.

2,416,713
CALL TRANSMITTER

David B. Parkinson, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 30, 1943, Serial No. 496,747
14 Claims. (Cl. 177—380)

1. In a call transmitter, a set of key members, a plurality of code wheels, an actuating spring

for each of said wheels, a handle means actuated by the operation of said handle for rotating said wheels for collectively tensioning said actuating springs, means for holding said wheels in normal position against the tension of said actuating springs, each of said key members having a cam, an escapement mechanism responsive to



the operation of each of said key members for successively operating said holding means to cause the operation of said wheels by said actuating springs, and other means actuated differentially by the cams of said key members for controlling the movement of said code wheels to positions for setting a call.

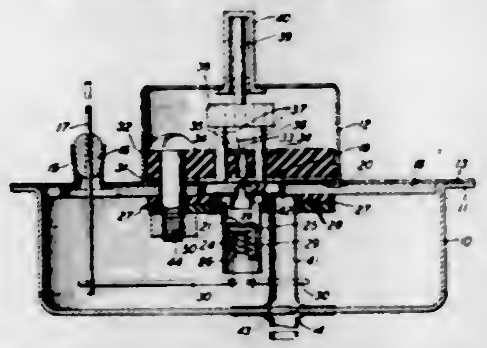
2,416,714

ELECTRON DISCHARGE DEVICE

John R. Pierce, Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application February 22, 1943, Serial No. 476,677

10 Claims. (Cl. 250—27.5)



1. An electron discharge device comprising an enclosing vessel and a unitary assembly within said vessel, said assembly comprising a foundation member, a cavity resonator having opposed wall portions provided with aligned restricted apertures, an electron gun opposite one of said wall portions and axially aligned with said apertures, a repeller electrode opposite the other of said wall portions and axially aligned with said apertures, and means separate from said vessel fixedly securing said resonator, gun and repeller electrode to said foundation member.

2,416,715

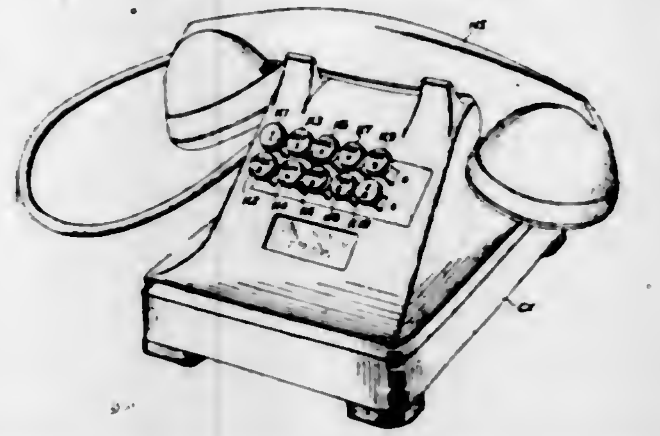
TELEPHONE CALL TRANSMITTER

Charles D. Richard, West New Brighton, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application November 28, 1944, Serial No. 565,459

21 Claims. (Cl. 179—90)

1. A call transmitter comprising a set of key members, a step bar and gear sector unit, a pulsing mechanism geared to the sector of said unit, a motor, means actuated by the operation of one of said key members to start the operation of said motor for actuating said pulsing mechanism, and means set by the individual operation of said key



members for holding the depressed key in the operated position and for engaging one step in the step bar of said unit for stopping the operation of said pulsing mechanism and releasing the operated key.

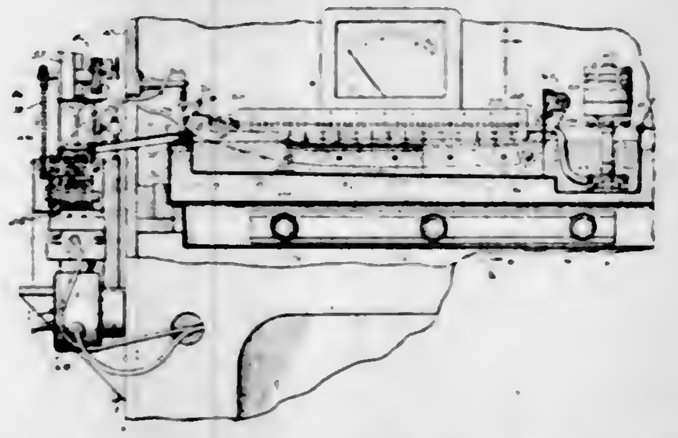
2,416,716

APPARATUS FOR FINISHING PIEZOELECTRIC CRYSTALS

Kenneth B. Ross, Chicago, Ill.

Application March 6, 1944, Serial No. 525,276

22 Claims. (Cl. 171—327)



1. In an apparatus for finishing piezoelectric crystals, the combination of a conveyor, means to drive said conveyor at a constant speed, means for applying an etching solution to crystals carried by said conveyor, means for determining the extent of etching of a crystal slab required to increase its frequency of oscillation to a predetermined value, means adjacent said conveyor for indicating the extent that a crystal placed on said conveyor at various positions therealong will be subjected to the action of said etching solution, means for removing said crystal slabs from said conveyor when they have been conveyed to a predetermined position, and means for washing said crystal slabs promptly after their removal from said conveyor.

2,416,717

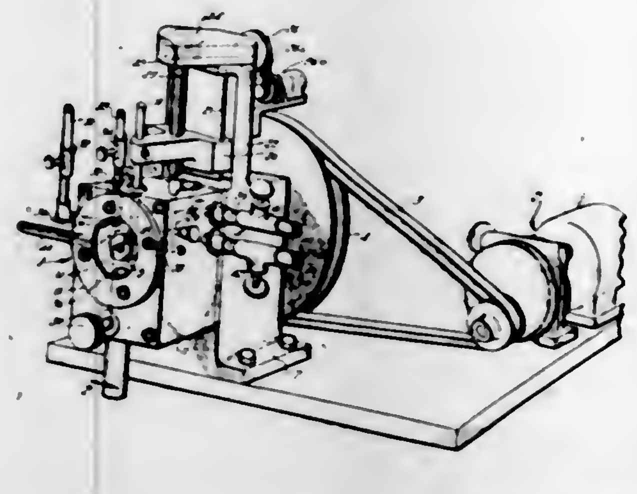
MECHANICAL ACTIVATION

Milton C. Shaw, Hampton, Va., assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio, a corporation of Ohio

Application April 3, 1942, Serial No. 437,607

15 Claims. (Cl. 260—658)

1. In the art of manufacturing chemical compositions the steps of introducing a reactant solid metallic body into a chamber, continually cutting chips from the body within said chamber, supplying simultaneously liquid reactant to surfaces of said chips while said surfaces are being formed, to cause the liquid reactant and the solid reactant, subjected to conditions existing during and created by the cutting action such as the conditions of the high localized pressures and temperatures caused by the cutting action, to react readily at said surfaces, subjecting the chips thus formed to a body of the liquid reactant in said chamber to cause the reaction thus initiated to proceed, and collecting a product of the reaction.



8. The method of manufacturing hexachlorethane comprising the steps of continually cutting chips from a solid body of aluminum within a chamber and supplying simultaneously carbon tetrachloride to surfaces of the chips while such surfaces are being formed whereby the aluminum and carbon tetrachloride, subjected to conditions existing during and created by the cutting action, react at said surfaces, and subjecting said chips to a body of carbon tetrachloride maintained at a temperature favorable to the reaction between the chips and the carbon tetrachloride to produce hexachlorethane.

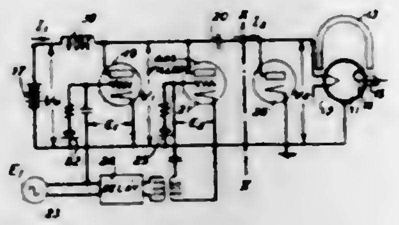
2,416,718

PULSE GENERATOR

William Shockley, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application October 1, 1942, Serial No. 460,328

12 Claims. (Cl. 250—36)



2. A pulse generator comprising a source of current, an inductor, a capacitor, and a load circuit connected in series with each other, switching means for first establishing a path for the flow of current from said source through said inductor and next interrupting said circuit to cause said capacitor to be charged to a high voltage by the energy stored in said inductor, and current operated switching means for closing a path for the discharge of said capacitor through said load circuit.

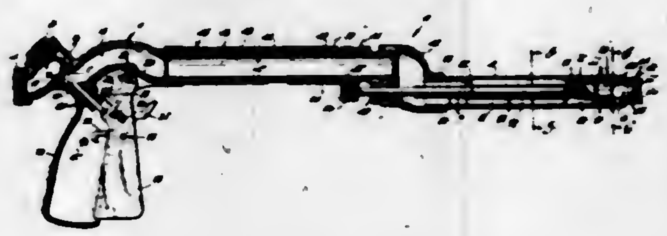
2,416,719

SPRAY GUN

Harry C. Stockdale, Ravenna, Ohio, assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware

Original application July 31, 1940, Serial No. 348,749. Divided and this application March 26, 1943, Serial No. 480,613

6 Claims. (Cl. 299—112)



1. In a spray gun, the combination of: a stationary barrel; a stationary nozzle on the end of said barrel; two grip means on said gun which are located conveniently with reference one to the other, so that the gun may be supported and manipulated in directing the spray therefrom on the objects being sprayed by gripping one of said grip means in the right hand and the other in the left hand; axially shiftable spray control means disposed within said barrel for modifying the character of spray issuing from said nozzle; means extending rearwardly from said spray control means and connecting the same with one of said grip means so that said control means may be actuated by the hand engaging said grip means without disturbing the normal engagement of said grip means and said hand in the manipulation of said gun; a valve for shutting off or starting a flow of liquid through said barrel; and means for operatively connecting said valve with the second of said grip means so that said flow of liquid may be started or shut off by the hand engaging said second grip means without disturbing the normal engagement of said hand with said second grip means in the support and manipulation of said gun.

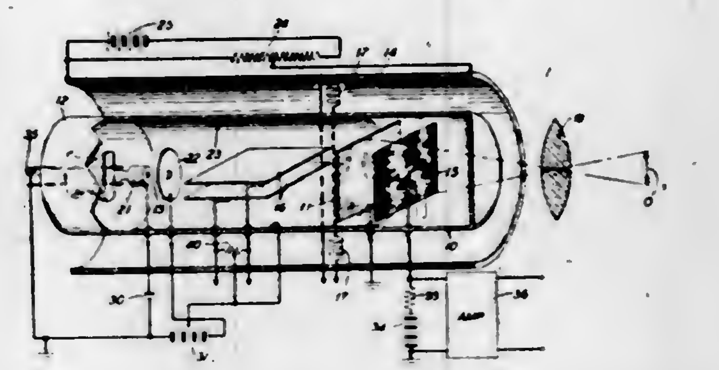
2,416,720

ELECTROOPTICAL DEVICE

Gordon K. Teal, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application January 30, 1943, Serial No. 474,206

10 Claims. (Cl. 250—167)



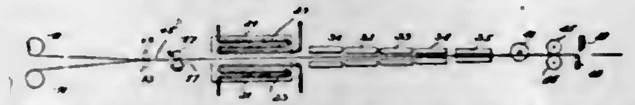
1. A target member for electrons comprising a metallic member having a multiplicity of apertures, and a photo-E. M. F. cell surrounding each aperture at one end thereof and also extending into the apertures along the walls thereof.

2,416,721
APPARATUS AND PROCESS FOR MAKING RESINOUS ARTIFICIAL BOARD

Charles A. Upson, Lockport, N. Y., assignor to The Upson Company, Lockport, N. Y., a corporation of New York

Application May 14, 1941, Serial No. 393,364

12 Claims. (Cl. 117—65)



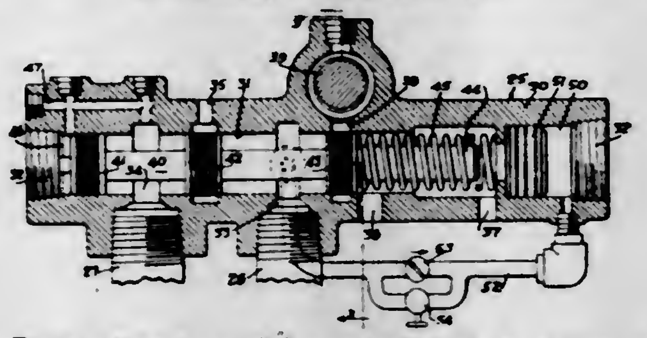
1. The process of treating a web of sheet material coated with heat-curing resin which includes the step of advancing the coated web continuously and subjecting it, while advancing, to the action of heat and progressively increasing pressure acting against the coated surface of the web in sliding relation thereto to produce an ironing and smoothing action on said coated surface.

2,416,722
VALVE FOR HYDRAULIC CIRCUIT

George A. Waldie, Marengo, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del., a corporation of Delaware

Application April 17, 1944, Serial No. 531,327

21 Claims. (Cl. 60—52)



1. In a release and bypass valve, a valve casing, a release passage and a bypass passage in said casing, a single valve member movable in said casing into a first position simultaneously to interrupt said passages or, into a second position to establish said passages or, into a third position to interrupt said bypass passage while maintaining said release passage, means operable automatically initially to move said valve member into said first position, thereafter to move it into said second position and finally gradually to move said valve member into said third position.

15. In a hydraulic circuit; a fluid operable ram having advancing and retracting means; a surge valve for establishing a free connection between said advancing means and exhaust; a first and a second release passage between said advancing means and exhaust; a restricted bypass passage between said retracting means and exhaust; and means responsive to a predetermined pressure in said retracting means for establishing said bypass passage and the first of said release passages, and for thereafter gradually closing off said bypass passage while gradually establishing the second of said release passages, and finally for completely closing off said bypass passage while opening said surge valve.

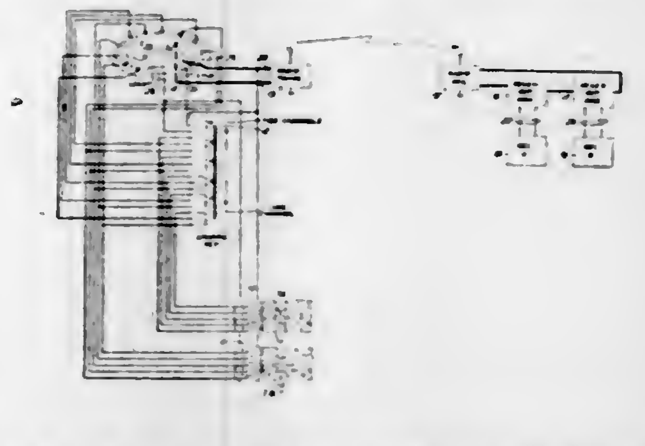
2,416,723
TELEGRAPH SYSTEM

Edward F. Watson, Larchmont, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application December 6, 1943, Serial No. 513,003

15 Claims. (Cl. 178—53.1)

1. In a multichannel start-stop multiplex system, a telegraph transmitting station, a start-stop multiplex distributor, connections extending therefrom to a plurality of transmitters, apparatus for sending a single synchronizing pulse for each revolution of said distributor, switching apparatus for transferring the connections from said distributor to said multiplicity of transmitters to a single one of said transmitters, apparatus operative incident to the operation of said switching apparatus for varying the length of said synchronizing pulse.

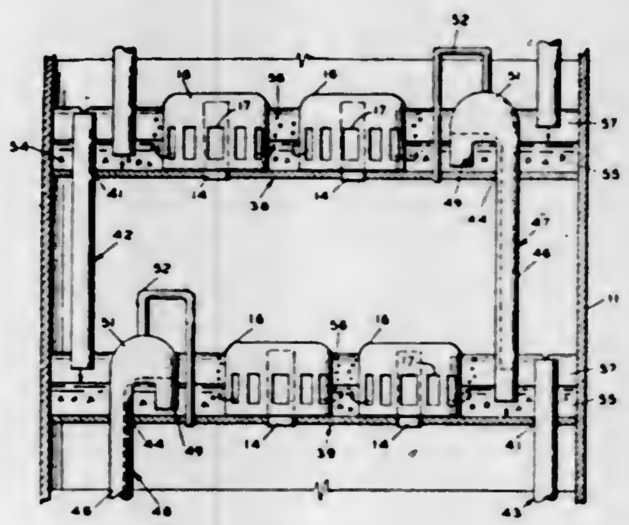


2,416,724
FRACTIONATION APPARATUS

Thomas H. Whaley, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application October 9, 1944, Serial No. 557,911

7 Claims. (Cl. 261—114)



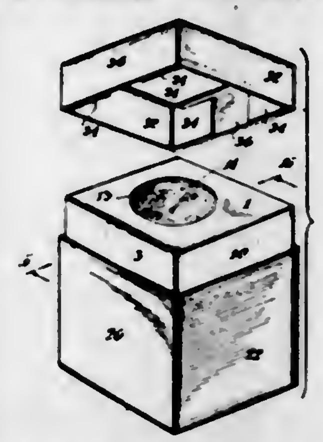
1. A bubble column for contact of vapors and liquids comprising in combination a vertical shell, vertically spaced substantially horizontal bubble trays extending across said shell, said trays having perforations therethrough, a bubble cap on each tray operatively connected to one of said perforations, an inverted J tube on each tray having its long leg extending through another of said perforations and sealed to said tray, the end of the short leg of said J being disposed adjacent the top of said tray, the end of the long leg of said J being disposed adjacent the top of the next lower tray, a conduit connecting the top of the bend of said J and the space below the tray to which said J is sealed and a downtake pipe extending through another of said perforations on each of said trays from a point above the intake of said short leg of the J on the same tray to a point below the intake of the downtake pipe on the next lower tray and sealed to said tray.

2,416,725
MULTIPLE BLANK PAPERBOARD CONTAINER

Marshall I. Williamson, New Haven, Conn., assignor, by mesne assignments, to National Folding Box Company, Incorporated, a corporation of Connecticut

Application July 29, 1943, Serial No. 496,536

5 Claims. (Cl. 229—23)



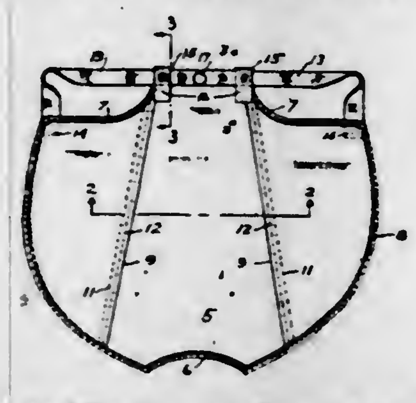
1. An improved paperboard container comprising, an inner shell having a top wall provided with a dispensing opening, a transparent membrane secured to said top wall and temporarily closing said top opening, two side wall panels hinged to opposite edges of said top wall, and side wall forming flaps hinged to the side edges of said first named side wall panels and to said top wall, said side wall forming flaps being secured together to form two further opposed side walls, the side walls defining an open end for filling of the inner shell with contents when in inverted position, and a pair of locking flaps extending from the lower edges of opposite side wall panels; and an outer shell having a bottom wall and enclosing side wall panels adapted snugly to receive the lower portions of said inner shell in telescoping position therein, two of said opposite side wall panels of the outer shell having complementary securing flaps extending inwardly from the side edges thereof and secured to the inside face of the adjacent side wall panels of the outer shell, said securing flaps each having a notched cut-out at the lower end thereof together forming complementary recesses to receive said locking flaps and presenting abutment edges adapted to abut the edges of said locking flaps to lock the inner shell in telescoped position within the outer shell.

2,416,726
TURKEY SADDLE

Harry L. Abramson, Idaho Falls, Idaho

Application April 21, 1944, Serial No. 532,149

1 Claim. (Cl. 119—143)



A turkey saddle formed from a single piece of flexible fabric having its surface divided into a central back panel and two side panels of substantially equal areas by means of longitudinally extending toe beads, the front end of the saddle having spaced wing recesses separated by a forwardly extending projection, a wing strap attached at its ends to the outer ends of the fabric, defining the wing recesses, in position to pass over the forwardly extending projection, the forward end of the projection of the central part having spaced openings for slidably receiving the central portion of the strap, and a two part fastener, one part of which is secured to that part of the projection between the openings and the other part of which is secured to the strap at about its central part, the fastener serving as means for retaining the strap in a fixed position relative to the central projection.

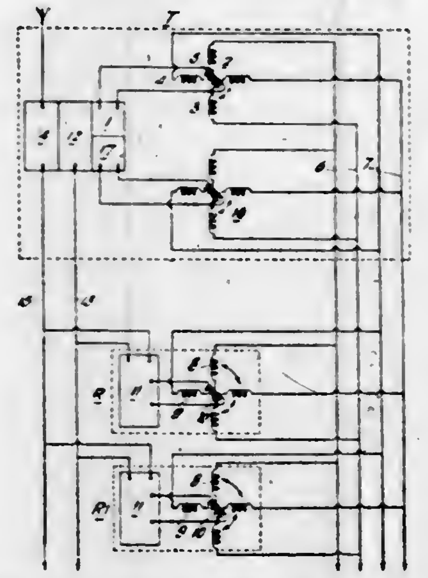
2,416,727
APPARATUS FOR RADIO DIRECTION FINDING AND INDICATING

Paul Adorjan, Kingston Hill, England, assignor, by mesne assignments, to Communication Patents Limited, London, England

Application September 8, 1941, Serial No. 410,056

In Great Britain February 21, 1940

13 Claims. (Cl. 35—1)



1. Apparatus for instructing students in the art of direction finding by radio, said apparatus comprising means for developing two electric wave signals of the same frequency, at least one receiver means responsive to said signals, and means adjustable to vary a functional relationship of the two signals to simulate at the receiver means the phenomenon of variable functional relationship of signal components that is characteristic of the reception of a radio signal during relative orientation of a radio direction finding apparatus and a radio transmitter.

2,416,728
BEVERAGE VENDING MACHINE

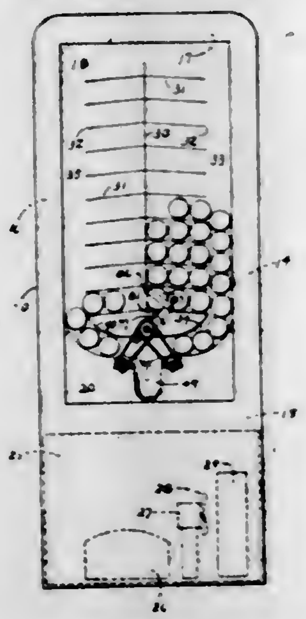
Gilmon F. Albrecht, Madison, Wis.

Application April 21, 1945, Serial No. 589,588

5 Claims. (Cl. 312—48)

5. A device of the character described comprising; a chamber having a transversely centrally positioned vertically arranged partition, a number of vertically spaced shelves on opposite sides of said partition each adapted to hold a number of elongated circular containers, said shelves terminating at their outer ends in a downwardly extending passageway in the chamber adapted to receive containers from the shelves, said shelves being mounted at an inclination to cause the containers to roll by gravity into the passageways first from the upper shelf and then serially

from each succeeding shelf, inwardly curved extensions to the bottom of said passageways each terminating at a dispensing cylinder with a number of grooves whereby the lowermost container



to be dispensed will lie in a groove, a common discharge opening between side cylinders, manually operating means adapted to selectively engage and turn a cylinder whereby a single container may be dispensed.

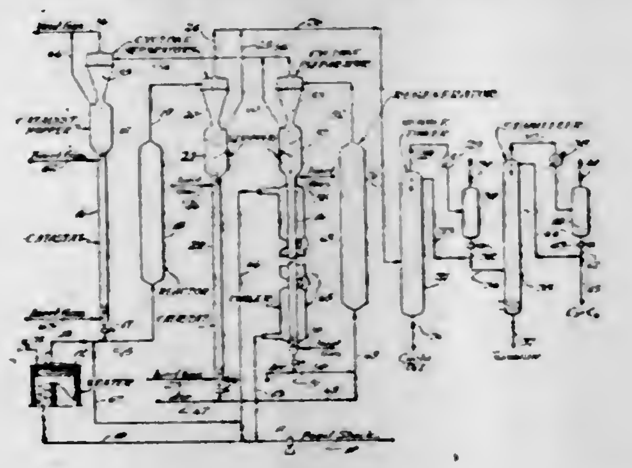
2,416,729

CATALYST TECHNIQUE

Maurice H. Arveson, Flossmoor, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application December 31, 1940, Serial No. 372,518

3 Claims. (Cl. 196—52)



2. In a catalytic conversion process wherein catalyst is regenerated while suspended in regeneration gas in a regeneration zone and wherein critical regeneration gas velocities are required for maintaining said suspended catalyst in dense phase condition, the method of operation which comprises separating hot regenerated catalyst from regeneration gas, accumulating at least a portion of the separated catalyst at the top of a dense column of aerated regenerated catalyst, surrounding said regenerated catalyst column with a heat exchange fluid whereby the catalyst is cooled as it moves downwardly in said column, maintaining the column at such height and at such density that the pseudo-hydrostatic pressure at its base exceeds the pressure of a regeneration gas stream communicating with the base of said column and entering the base of said regeneration zone, dispersing cooled regenerated catalyst from the base of the column into said stream and carrying said dispersed catalyst by said stream back to said regeneration zone, the dispersion of the catalyst in the stream and its return to the regeneration zone being effected by utilizing the pseudo hydrostatic pressure exerted by said dense column of aerated regenerated catalyst.

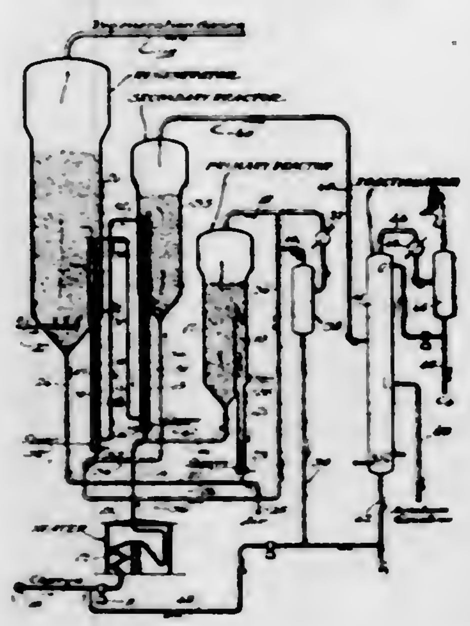
2,416,730

MULTISTAGE HYDROCARBON CONVERSION SYSTEM

Maurice H. Arveson, Flossmoor, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application February 27, 1942, Serial No. 432,548

7 Claims. (Cl. 196—52)



1. The method of converting a hydrocarbon charging stock having a boiling range within the approximate limits of 300° F. to 700° F. into substantial yields of a gasoline fraction of low acid heat and low olefin content suitable for use in aviation engines which method comprises contacting said charging stock with a powdered cracking catalyst in a primary reaction zone at a temperature within the approximate range of 750 to 950° F., passing catalyst from said primary reaction zone to a regeneration zone and regenerating said catalyst in said regeneration zone, withdrawing regenerated catalyst from said regeneration zone to a cooling zone to lower the temperature of said withdrawn catalyst to a temperature within the approximate range of 500 to 750° F., contacting products from said primary reaction zone with said cooled catalyst in a secondary reaction zone, removing catalyst from the secondary reaction zone, heating said removed catalyst, introducing the heated catalyst into said primary reaction zone before returning it to the regeneration zone, and fractionating the products leaving the secondary reaction zone to obtain a gasoline fraction and lighter and heavier fractions respectively.

2,416,731

LOAD CARRYING STRUCTURE FOR TRACTORS

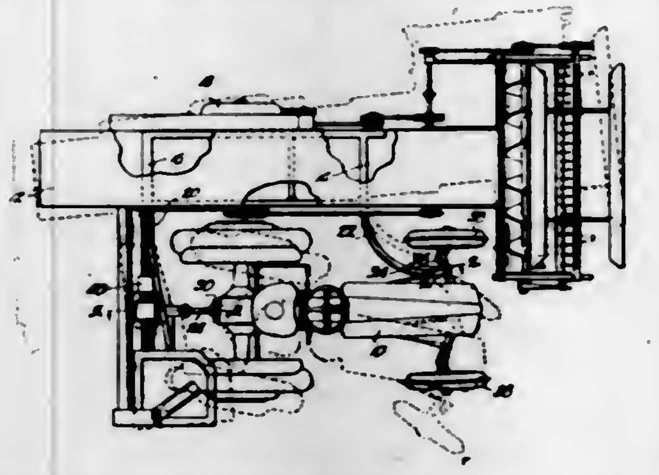
Curtis C. Baldwin, Ottawa, Kans.

Application September 4, 1944, Serial No. 552,608

3 Claims. (Cl. 280—33.44)

1. Load carrying structure for tractors comprising a substantially rectangular frame; a wheel mounted on the frame at one side thereof; an

arm extending laterally from the opposite side of the frame at each end thereof; and coupling means at the free ends of the arms and on the tractor for attaching the structure to the tractor, the arm at the forward end of the frame being arched to enter between the front and rear wheels of the tractor and to terminate in a length substantially tangent to the longitudinal axis of the tractor, the arm at the rear end of the frame being L-shaped and terminating with a leg thereof on the longitudinal axis of the tractor and



between the rear wheels of the latter, the coupling between the tractor and the arm at the rear thereof having a head rigid to the arm and a flared-mouth socket to guide the head into position on the longitudinal axis of the tractor as the tractor is backed against the head and to hold the head in place during continued backing of the tractor to move the ends of the arm at the forward end of the frame into place where the coupling means thereon and on the tractor may be interengaged.

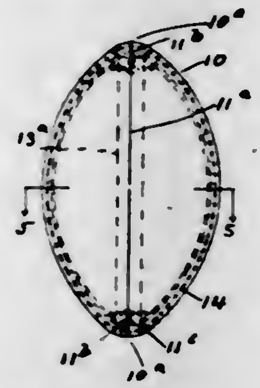
2,416,732

POCKET KEY AND COIN PURSE

Louis Barnett, Brooklyn, N. Y., assignor to Louis Stern, New York, N. Y.

Application April 12, 1944, Serial No. 530,692

2 Claims. (Cl. 150—10)



1. A pocket case of the character described comprising a back piece and two identically shaped front pieces forming a casing, said front pieces having integrally formed folded finished edges extending in abutment to provide a central closure, means for uniting opposite ends of said front pieces terminating said closure to form spaced pockets with the underlying portion of the back section, identically shaped spring elements extending along the perimeter of the interior of the casing, each spring element being formed with looped ends to provide a rolling contact with those of the other spring element in each pocket, the outer opposite ends of the purse casing terminating over said rolling contact spring ends serving as compression points for flexing the case to force said closure into an open position, means incorporated in said casing structure for securing said back and the front pieces together in concealed position wholly within the casing to serve as an abutment for the springs in said flexing action, and a piping trimming extending around the exterior periphery of the casing for enlarging said spring abutment on the interior of the casing retained by said securing means.

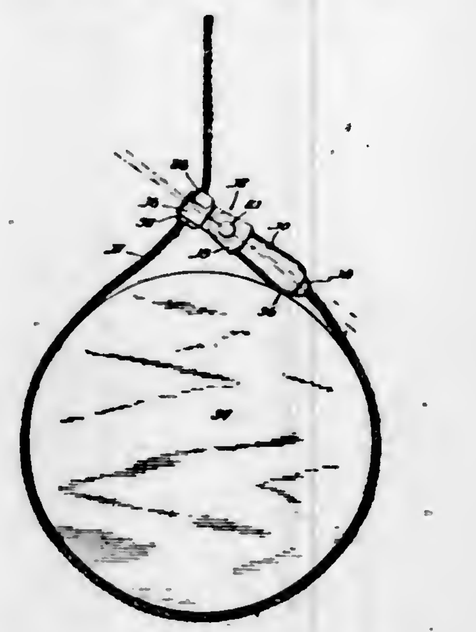
2,416,733

CHOKER SLING

Arthur A. Berndt, Chicago, Ill.

Application November 5, 1945, Serial No. 626,776

15 Claims. (Cl. 294—74)



12. In a choker, in combination, a member having a dead-end connection with a cable at one end thereof, a pair of hooks pivoted to the member at the other end thereof for movement toward and from each other, said hooks having oppositely directed formations at their free ends and each including a hook portion and an overlapping portion.

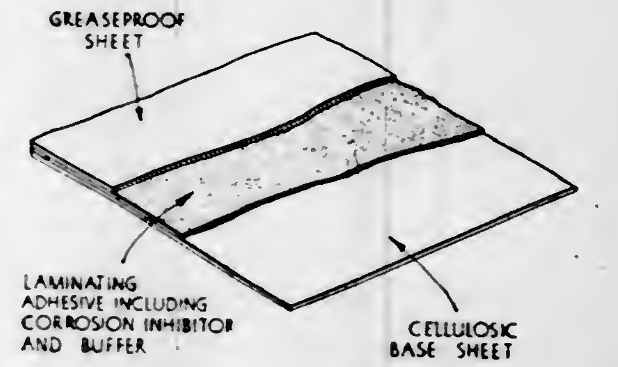
2,416,734

GREASEPROOF PAPER

Jesse Kenneth Boggs, Wilmington, Del., and George H. Sullivan, Minneapolis, Minn., assignors to Rapinwax Paper Company, Minneapolis, Minn., a corporation of Minnesota

Application June 10, 1943, Serial No. 490,310

9 Claims. (Cl. 154—50)


GREASEPROOF SHEET
LAMINATING ADHESIVE INCLUDING CORROSION INHIBITOR AND BUFFER
CELLULOSIC BASE SHEET

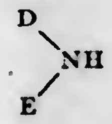
1. A non-corrosive wrapping material comprising a cellulosic base containing a minor amount of a water soluble buffer and corrosion inhibitor which comprises the reaction product of ortho-

phosphoric acid and an organic amine chosen from the class consistsing of:

(*a*) Primary alkyl amines containing from 2–7 carbon atoms,

(*b*) Primary alkanol amines containing from 1–8 carbon atoms,

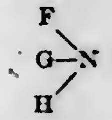
(c) Secondary amines of the formula



$$\begin{matrix} D \\ & \searrow NH \\ E \nearrow \end{matrix}$$

in which D and E may each be any alkyl and/or alkanol group of from 1–6 carbon atoms,

(*d*) Tertiary amines of the formula



$$\begin{matrix} F \\ G{-}N \\ H \end{matrix}$$

in which F, G, and H may each be any alkyl group of from 1–2 carbon atoms and/or any alkanol group from 1–3 carbon atoms,

(*e*) Water soluble quaternary amines,

(*f*) Morpholine,

(*g*) Ethylene diamine and polyamines with the formula

$$NH_2—(CH_2CH_2—NH)_x—CH_2CH_2NH_2$$

in which x is either 1, 2, or 3,

(*h*) Benzyl amine.

5. A non-corrosive wrapping material which comprises a cellulosic base sheet and a greaseproof film laminated with a starch adhesive containing a minor amount of a water soluble buffer and corrosion inhibitor which comprises the reaction product of orthophosphoric acid and an organic amine chosen from the class consisting of:

(*a*) Primary alkyl amines containing from 2–7 carbon atoms,

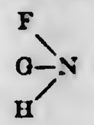
(*b*) Primary alkanol amines containing from 1–8 carbon atoms,

(c) Secondary amines of the formula

$$\begin{matrix} D \\ & \searrow NH \\ E \nearrow \end{matrix}$$

in which D and E may each be any alkyl and/or alkanol group of from 1–6 carbon atoms,

(*d*) Tertiary amines of the formula



$$\begin{matrix} F \\ G{-}N \\ H \end{matrix}$$

in which F, G, and H may each be any alkyl group of from 1–2 carbon atoms and/or any alkanol group from 1–3 carbon atoms,

(*e*) Water soluble quaternary amines,

(*f*) Morpholine,

(*g*) Ethylene diamine and polyamines with the formula

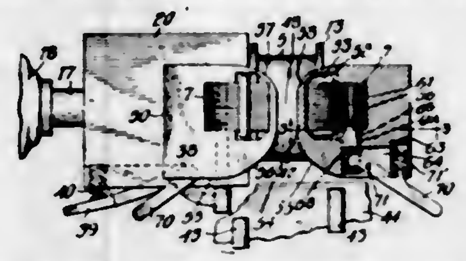
$$NH_2—(CH_2CH_2—NH)_x—CH_2CH_2NH_2$$

in which x is either 1, 2, or 3,

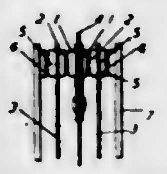
(*h*) Benzyl amine.

2,416,735
STATOR WINDING DEVICE
Ronald F. Brennen, Valley Stream, N. Y., assignor to General Die-Stamping-Tool Company, New York, N. Y., a partnership
Application October 30, 1944, Serial No. 561,065
17 Claims. (Cl. 242—1)

1. Winding apparatus comprising means for rotating, on the axis of its yoke, a U-shaped stator having poles radial to the yoke having pole ends having projections thereon; and collars adapted to fit on said ends each having an opening adapted to receive the ends and projections, thereby to cover said projections; the side face of each collar adjacent to the other collar and adjacent side faces of such collar merging to form cams.

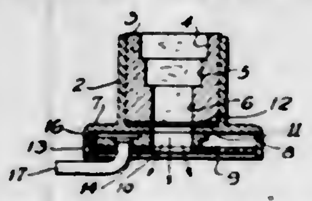


2,416,736
ELECTRICAL CIRCUIT MAKING AND BREAKING DEVICES
Eric Sydney Buckley, Potters Bar, England
Application February 25, 1944, Serial No. 523,829
In Great Britain October 21, 1943
3 Claims. (Cl. 200—1)



1. A circuit interrupter comprising, an oscillatable member; a resilient strip adjacent to said oscillatable member; contact means mounted on said member and contact means mounted on said strip, said contact means being disposed so that the contact means on the member engage and disengage with the contact means on the strip when said member is oscillated toward and away from said strip, said strip being flexible by said oscillatable member; and a contact member disposed adjacent said strip and adapted to be engaged by said contact means on said strip when the strip is flexed by said oscillatable member.

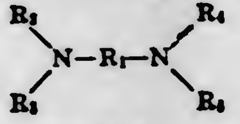
2,416,737
FAUCET SPRAY NOZZLE
Herman William Budan, Los Angeles, Calif.
Application March 19, 1945, Serial No. 583,421
6 Claims. (Cl. 299—145)



1. In a nozzle of the class described, an enclosing shell, a cork bushing located inside the top portion of said shell and provided with several diameters of bores adapted to be adjusted and mounted upon the discharge nozzle of a faucet by frictional contact, a horizontal flange in the body of the shell at its lower portion extending to a larger diameter than the top portion of the shell, an interior horizontal flange extending under the said cork bushing and provided with an aperture approximating the diameter of the smallest bore of the said cork bushing, a strainer of suitable material mounted on the interior horizontal flange and underneath the cork bushing, an outside circular downward extending flange on said shell, a perforated plate mounted in the bottom of this downward flange thus forming an enclosed space between the aforementioned horizontal flange and the said perforated plate, a central aperture in said perforated plate which aperture approximates the diameter of the smallest bore of the cork bushing, a valve block mounted in between the said horizontal flange and the said perforated plate, said valve block provided with a tubular portion of a depth extending between the said perforated plate and the underside of the said horizontal flange of the said shell and the said valve block having a valve portion on the body of the said block of substantially less thickness than the depth of the said tubular portion and of an outline adapted to contact and to cover the aperture in the said perforated plate as and when the said valve portion is placed in position over the said aperture; in combination with means for supporting and moving the said valve block in the said space between the said horizontal flange and the said perforated plate and in sliding movement to cover and uncover the aperture in the said perforated plate, the said valve portion on said valve block contacting closely the inner surface of the said perforated plate.

2,416,738
PROCESS FOR PREPARATION OF N-SUBSTITUTED AMIDES OF BETA-KETO-CARBOXYLIC ACIDS
Francis W. Cashion, Buffalo, N. Y., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
No Drawing. Application July 4, 1944, Serial No. 543,486
7 Claims. (Cl. 260—562)

1. A process for producing an N-substituted amide of a beta-keto-carboxylic acid which comprises heating an ester of a beta-keto-carboxylic acid with an amine selected from the group consisting of aromatic and heterocyclic amines having an amino group containing at least one reactive hydrogen atom attached directly to a carbon atom of the nucleus, in the presence of an aliphatic polyamine having the general formula



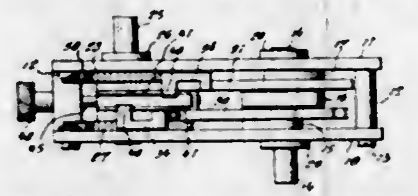
$$\begin{matrix} R_2 & & & & R_4 \\ & N & -R_1- & N & \\ R_3 & & & & R_5 \end{matrix}$$

wherein R_1 represents a member of the group consisting of an aliphatic hydrocarbon chain and a chain of aliphatic hydrocarbon radicals interconnected by linkages selected from the group consisting of —NH—, —O—, and —S—, and R_2, R_3, R_4 and R_5 represent members of the group consisting of hydrogen and aliphatic hydrocarbon radicals, the amount of polyamine employed being not over 20% by weight of the aromatic or heterocyclic amine.

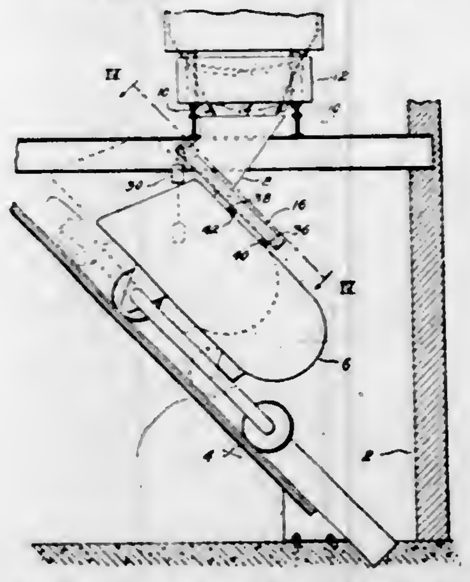
6. A process for producing an N,N'-bis-acetoacetyl-p,p'-diamino-diphenyl, which comprises heating, at a temperature from 125° to 160° C., an acetoacetic acid ester of an alcohol which is volatile at the aforesaid temperature, with a p,p'-diamino-diphenyl in the presence of an acyclic ethylene-polyamine in an amount from 1% to 5% of the quantity of p,p'-diamino-diphenyl employed.

2,416,739
INTERMITTENT TRANSMISSION
Edward F. Chandler, Brooklyn, N. Y.
Application October 16, 1943, Serial No. 506,617
1 Claim. (Cl. 74—118)

A movement transmission device including, in combination, a driving element comprising a multiple-throw crankshaft, a driven shaft, a pair of spaced frame members providing journals for such shafts, a plurality of ratchet wheels carried by and keyed to the driven shaft, a plurality of pawl levers freely journalled at one end thereof on said driven shaft, such levers having slots extending inwardly from their opposite ends which receive the throws of the crankshaft, a spring-pressed pawl carried by each pawl lever which engages one ratchet wheel, a detent engaging the ratchet wheel to prevent reverse rotation thereof, a plurality of convexly-curved cam elements also freely journalled on the driven shaft for lifting the pawl from the ratchet wheel during a desired portion of the driving stroke, and means for simultaneously adjusting the angular position of the cam elements to vary the speed of transmission from the driving to the driven shafts, such means comprising a rotatable worm and a worm gear associated with the cam elements and being rotated by the worm to effect fine adjustment of the cam elements.



2,416,740
GATE FOR SKIP CAR CHARGING CHUTES
Crawford R. Duke, Chicago Ill.
Application October 25, 1945, Serial No. 624,539
4 Claims. (Cl. 214—125)

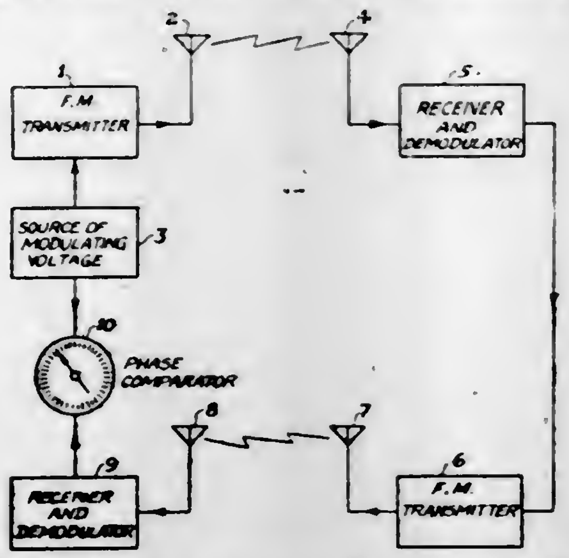


1. A safety device for a skip car charging chute comprising a gate attached to the bottom of the chute, said gate being slidable in a plane parallel to the direction of movement of the skip car, a pair of spaced apart lugs attached to the bottom of the gate, a pair of lugs on the top of said car spaced apart a distance less than the first pair of lugs, the lug on one end of the gate being engaged by the adjacent lug on the car to close the gate as the skip car departs from under the chute, and means for raising the gate to disengage the lugs when the gate is closed, the other lug on the car engaging the other lug on the gate to open the gate as the skip car arrives under the gate.

2,416,741
RADIO DISTANCE MEASURING APPARATUS
George V. Eltgroth, Towson, Md., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application October 15, 1942, Serial No. 462,167
4 Claims. (Cl. 250—1)

1. In a radio distance measuring system, means for radiating a frequency modulated carrier,

means remotely located from said radiating means for receiving said frequency modulated carrier, transmitting means connected to said receiving means radiating a frequency modulated carrier with a modulation characteristic controlled by the modulation characteristic of said first mentioned frequency modulated carrier and having a mean carrier frequency differing from that of said first mentioned carrier, means for receiving said second mentioned frequency modulated carrier, and indicating means responsive to the phase difference between the modulation characteristic of said first mentioned frequency modulated carrier and the modulation characteristic of said second mentioned frequency modulated carrier.



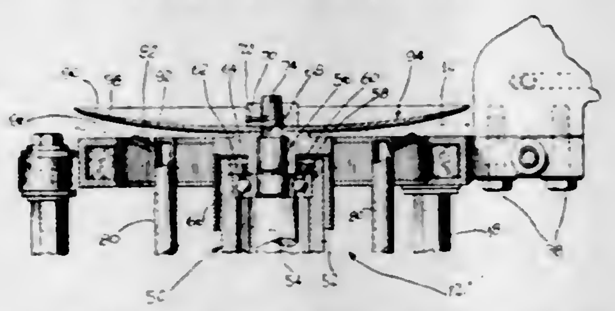
2,416,742

HARROW DISK

Warren H. Farr, Detroit, Mich., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania

Application January 9, 1943, Serial No. 471,851

2 Claims. (Cl. 97—217)



1. A dished steel disk having an edge annulus quench hardened after heating above the critical temperature for steel, the convex annular surface having a hardness greater than that of the concave annular surface.

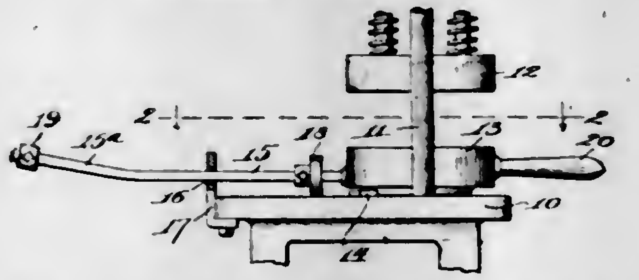
2,416,743

GLASS PRESS MOLD TURNING DEVICE

Albert H. Forgar, Los Angeles, Calif.

Application January 31, 1945. Serial No. 575,476

5 Claims. (Cl. 49—41)



1. The combination with a glass press, its bed plate and mold comprising an upper and a lower part, of a guide member secured to and extending rearwardly from the lower part of the mold, a bearing secured to said bed plate for the rear portion of said guide member and a bed plate engaging support carried by said guide member, and located between said bearing and the lower part of the mold.

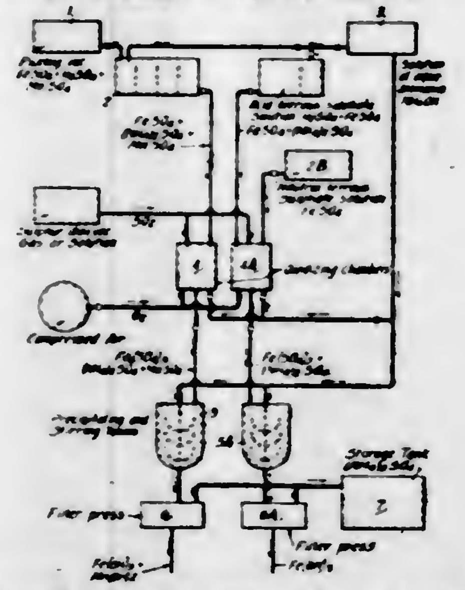
2,416,744

PROCESS FOR THE UTILIZATION OF FERROUS SULPHATE SOLUTIONS IN THE MANUFACTURE OF OTHER SULPHATES

Charles B. Francis, Pittsburgh, Pa.

Application April 9, 1943, Serial No. 482,460

7 Claims. (Cl. 23—119)



1. A process for the manufacture of commercially pure ammonium sulphate and ferric hydroxide from spent sulphuric acid solutions produced in sulphuric acid pickling of ferrous metal, the said solutions containing ferrous sulphate and free sulphuric acid, and from crude coke-works ammonia derived from destructive distillation of bituminous coal, which process comprises oxidizing the said spent solution by treating the ferrous sulphate solutions simultaneously with sulphur dioxide and diffused air while maintaining the solution at atmospheric pressure at a temperature of between approximately 45° C. and approximately 70° C. and while maintaining the solution at a pH value of from pH-1 to pH-2 by gradual additions of the said crude ammonia, adding to the resulting oxidized solution sufficient of the ammonia to precipitate the iron as ferric hydroxide and to adjust the pH value of the solution to between pH-4 and pH-11, adjusting the temperature of the solution to approximately 70° C., agitating the resulting mixture of precipitate and liquor while maintaining the temperature constant until the ferric hydroxide precipitate transforms from a gelatinous flocculent condition to a granular form that settles rapidly and filters readily from the solution, filtering the resulting modified precipitate from the solution, and recovering commercially pure ammonium sulphate from the said solution.

2.416.745

FERMENTATIVE GLYCEROL PRODUCTION

Ellis I. Fulmer and Leland A. Underkofler, Ames, Iowa, and Richard J. Hickey, Terre Haute, Ind., assignors to Iowa State College Research Foundation, Ames, Iowa, a corporation of Iowa

No Drawing. Application December 13, 1941, Serial No. 422.920

12 Claims. (Cl. 195—38)

10. In a process for the production of glycerol, the steps of fermenting a fermentable sugar with yeast in a slightly acid medium having a pH between 6.5 and 6.9 and containing a substance selected from the group consisting of ammonium sulfite and ammonium bisulfite, said substance being present in a quantity in excess of that sufficient to fix the acetaldehyde formed in the fermentation, precipitating the sulfite ion by adding to the medium a substance selected from the group consisting of hydroxides, oxides and carbonates of metals of the alkaline earth group, subjecting the fermented mixture to distillation to remove therefrom ammonia, acetaldehyde and ethanol, separating the precipitate from the medium, and adding carbon dioxide to the medium to precipitate as calcium carbonate any soluble calcium remaining in the medium.

2,416,746

TUBE MILL AND METHOD OF OPERATING SAME, INCLUDING DISCHARGING

Frank J. Gavin, Baltimore, Md., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York

Application August 4, 1943, Serial No. 497,370

5 Claims. (Cl. 241—30)

2. The method of discharging reduced nonmagnetic material in slurry form from a mill of the type comprising a drum rotatable on a horizontal axis, said drum containing a charge of magnetically attractable disintegrating media and having a peripheral discharge opening and a cover therefor, said method comprising rotating the drum to position said opening at the bottom of the drum, holding the drum stationary, exerting lateral force on the charge to hold the charge at one side of said opening and simultaneously applying magnetic force to the charge to lock the charge together, and removing the cover and allowing the slurry to drain through said opening.

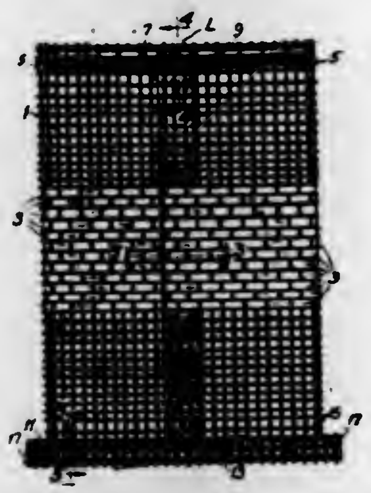
2,416,747

BAG

William J. Geimer, Minneapolis, Minn., assignor to Bemis Bro. Bag Company, St. Louis, Mo., a corporation of Missouri

Application June 15, 1944, Serial No. 540,417

4 Claims. (Cl. 150—1)



1. In woven strand open-mesh fabric bags having interstices of greater area than the strands, lapped margins of said type of fabric, a paper-type splicing strip between said lapped margins, adhesive on both sides of the splicing strip and attaching the fabric strands thereto, and paper ribbons interwoven with at least a portion of the margin of said open-mesh fabric and attached to said splicing strip by means of said adhesive.

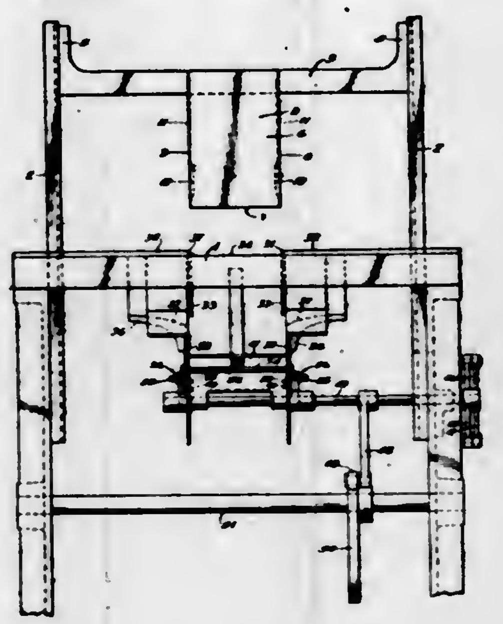
2,416,748

CARTON FOLDING MECHANISM

Adolph E. Gnoerk, Evanston, Ill., assignor to Peters Machinery Company, Chicago, Ill., a corporation of Illinois

Application August 23, 1945, Serial No. 612,151

9 Claims. (Cl. 93—51)



1. In a machine for forming a carton blank shaped to provide bottom and side panels having end flaps shaped and positioned to overlap one another to form an end panel of the finished carton, one of said side panel end flaps having a locking tongue and another of said end flaps having a slot to receive said tongue, the combination of a traveling form block, stationary guides positioned about the path of said block and acting in overlapping succession to fold said bottom end flaps against said block, then to fold said side panels against said block, and then to fold said tongued end flap against said block in overlapping relation to said slotted end flap, said last-named stationary guide comprising a surface of double curvature leading from alinement with the respective side panel guide to a position at right angles thereto.

2,416,749

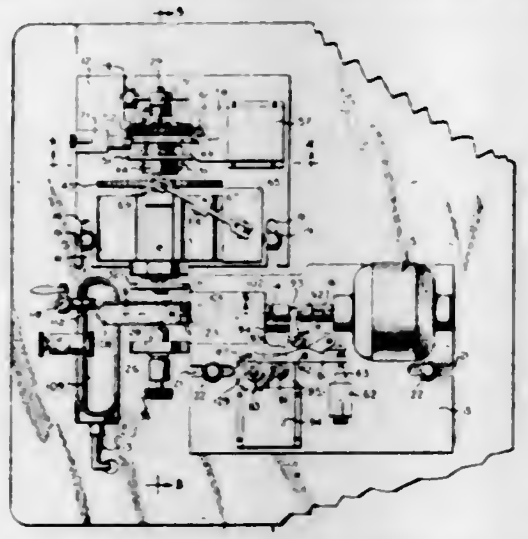
HOLLOW MILLING MACHINE

Victor Grey, Chicago, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware

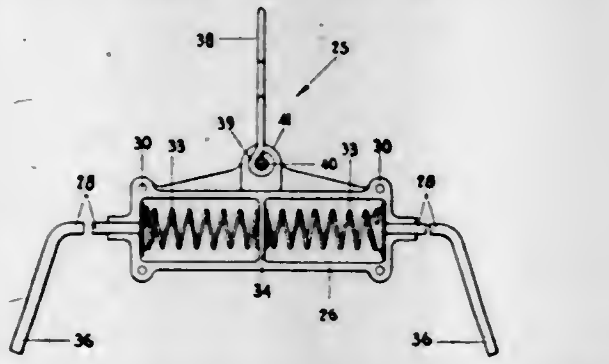
Application March 15, 1943, Serial No. 479,230

1 Claim. (Cl. 90—14)

In a control system for automatically milling circular work pieces, an indexing spindle comprising means for intermittently rotating a blank through predetermined angular distances, a pair of control discs carried on said spindle, one of said discs having a single peripheral notch and the other of said discs having a plurality of peripheral notches equal in number to the number of operations to be performed on the periphery of said work piece, an electrical circuit arrangement, contact means in said circuit for initiating milling operations, means effective pursuant to the operation of said contact means for controlling the regular recurrence of said milling operations comprising a switch, a cyclically operable cam for operating said switch, a master indexing device electrically controlled by said switch, and further electrical means controlled by said pair of control discs, whereby under the supervision of said notches in said pair of control discs said further electrical means is effective to control said means for controlling the regular recurrence of said milling operations.

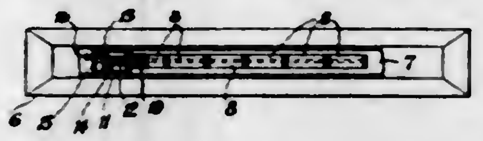


2,416,750
GARMENT HANGER
Leonard B. Harris, Southold, and Vito R. Pascale, New York, N. Y.
Application August 17, 1945, Serial No. 611,200
1 Claim. (Cl. 223—95)



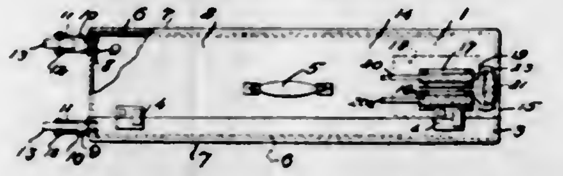
In an expandable hanger of the class described, a centrally and longitudinally split tubular housing having a centrally and transversely positioned partition, said housing being circumferentially intact, said housing having openings of square cross-section at each end, each of said housing members having spaced-apart ears, two supporting hanger arms of square cross-section mounted for horizontal sliding movement in said housing, said arms having obtuse angular extensions, coil springs in said housing on opposite sides of said partition and adapted to be compressed during said movement, convex washers in engagement with end portions of said springs and with said hanger arms causing pressure applied by said arms against said springs to be coaxial with said springs, said compressed coil springs causing outward axially directed pressure and forcible distension of said arms after said hanger is inserted in a skirt or trousers, whereby said skirt or trousers is gripped and supported by said hanger, and a suspending hook pivotally mounted intermediate said ears at the mid-portion of said housing.

2,416,751
ELECTRIC DISCHARGE LAMP AND CONTROLLING MEANS THEREFOR
William James Harris, Newport, England
Application January 2, 1945, Serial No. 571,047
In Great Britain January 5, 1944
1 Claim. (Cl. 315—99)



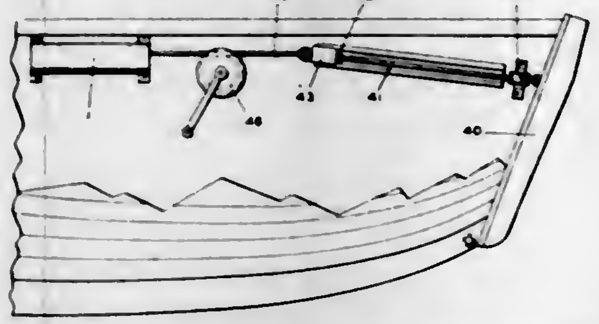
A starting and operating circuit for gaseous electric discharge lamps having two filamentary electrodes sealed into the envelope of the lamp, including an automatically operating starting switch which when closed and upon the supply voltage being applied to the lamp allows current to pass through the electrodes sufficient to raise them to incandescence and to start ionisation of the gas in their immediate vicinity and when opened effects the breaking of the circuit through the electrodes to permit an electro-magnetic means remaining in the circuit to give a high voltage kick through the gas between the electrodes sufficient to start the discharge through the lamp, said starting switch being formed by a make-and-break device held closed when the lamp is unlit and including a movable armature, said electro-magnetic means being formed of an electro-magnetic inductance comprising a coil greater in length than in diameter and having a hollow core arranged with its axis parallel to the axis of the envelope of the lamp, the armature of the starting switch extending movably into said hollow core of the electro-magnetic inductance, the parts being so relatively positioned and constructed that the armature is subject to the magnetic flux produced by the energized inductance to cause the armature to be attracted and drawn farther into the coil to open the starting switch, and spring means for returning the armature to a position in which the latter closes the starting switch upon de-energization of said inductance.

2,416,752
WHEELED SUITCASE
John M. Hendrick, Burbank, Calif.
Application July 20, 1945, Serial No. 606,112
2 Claims. (Cl. 190—38)



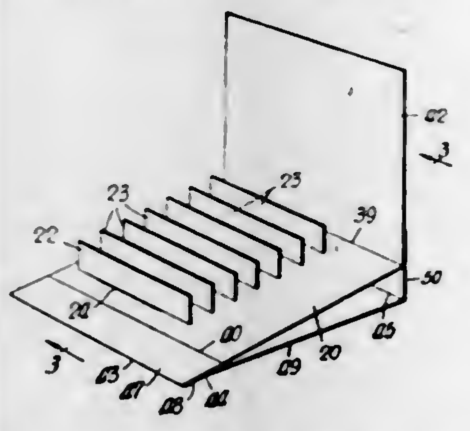
1. A wheeled traction device for luggage, comprising a pair of spaced resilient wheels mounted adjacent the back, bottom, end edge of the piece of luggage and extending out from the back slightly spaced from the ground when the luggage rests on its bottom and positioned to give balanced support to the luggage when the front end of said luggage is lifted up to an angled position, an extensible handle and fixed attaching means for supporting the handle, said handle having spaced legs, slidably mounted in elongated brackets on top of the luggage, said legs having enlarged ends to prevent detachment from the brackets and the legs are curved upwardly and have a cross piece on which is mounted a cushioned grip, said handle being mounted adjacent the top front edge of the luggage and positioned between the side walls to balance the load.

2,416,753
COUNTERBALANCE FOR RAMPS AND LIKE PIVOTED MEMBERS
Albertson Hicks, Miami, Fla.
Application June 22, 1945, Serial No. 601,019
4 Claims. (Cl. 267—70)



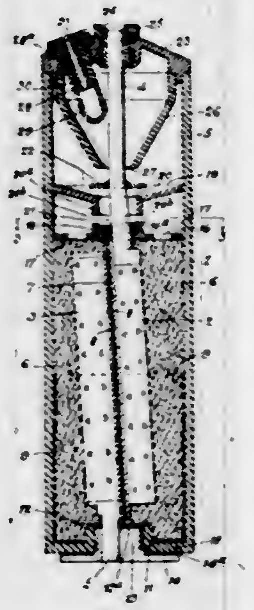
1. Counterbalance for ramps and like pivoted members comprising a frame including spaced parallel cylindrical spring housings, a head plate at each end bridging the space between said housings and forming end closures therefor, and bolts extending between said head plates securing them rigidly to said housings, spring means within each of said housings comprising a relatively strong spring of major length and a relatively weak spring of minor length, serially arranged, a fixed multiple pulley sheave between said housings journaled in one of said head plates, the adjacent sides of said housings having longitudinal slots therethrough in the common plane of their axes through an extent remote from said fixed sheave, a movable multiple pulley sheave between said housings, a carriage in which said movable sheave is journaled having portions extending through said slots and resting against the adjacent ends of said spring means, and a cable threaded around the pulleys of said sheaves adapted to draw said sheaves together against the tension of said springs when the load end of said cable is pulled.

2,416,754
COLLAPSIBLE CARDBOARD DISPLAY DEVICE
John V. Horr, North Tarrytown, N. Y., assignor to Einson-Freeman Co., Inc., Long Island City, N. Y., a corporation of Delaware
Application September 1, 1944, Serial No. 552,288
6 Claims. (Cl. 35—1)



1. A collapsible cardboard display device comprising: upper and lower main panels arranged in parallel planes, the upper panel having parallel slots therein, a series of parallel cross panels extending cross-wise between said main panels, said cross panels being articulated to the lower panel in hinged relation thereto and extending into parallel display positions through said slots respectively, said panels defining a collapsible parallelogrammic structure; end supporting sections of unequal lengths hinged to the front and rear edges of said upper main panel respectively, a bottom supporting section beneath said lower main panel and hingedly connected to said end supporting sections, said upper main panel and said sections defining a collapsible quadrilateral supporting structure; and means articulating one of said end supporting sections to said lower main panel so that set-up and collapse of said quadrilateral supporting structure will effect a corresponding set-up and collapse of said parallelogrammic structure.

2,416,755
BATTERY
Gerald W. James, Sycamore, Ill., assignor, by mesne assignments, to Ideal Industries, Inc., Sycamore, Ill., a corporation of Delaware
Original application April 10, 1943, Serial No. 482,581. Divided and this application September 22, 1944, Serial No. 555,286
3 Claims. (Cl. 136—6)



1. In combination in a battery having a casing, positive and negative plates in said casing, absorbent material surrounding said plates for absorbing a liquid electrolyte, a cover for said casing, said casing having a bottom integral therewith, said bottom having an inwardly projecting hollow part with internal screw threads, a plug having a projecting part with screw threads thereon which engage the screw threads in said hollow projection, and which is confined within said hollow projection so that no part of the plug projects into the interior space of the casing, a lead extending from one of said plates into said plug and having a liquid-tight connection therewith, and a laterally extended, generally flat member in sealed relation about said lead and in sealed relation with the upper surface of said hollow projection.

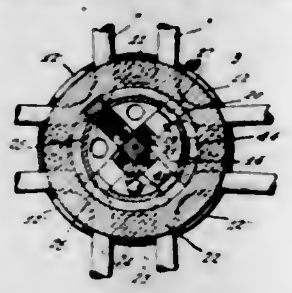
2,416,756
CONTINUOUS PRODUCTION OF ESTERS OF METHACRYLIC ACID
Lawrence T. Jilk, Charleston, W. Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application October 23, 1941, Serial No. 416,186
8 Claims. (Cl. 260—486)

1. A process for the continuous preparation of an ester of alpha methacrylic acid which comprises continuously feeding an alcohol, water and the reaction product of acetone cyanhydrin and oleum into a reaction zone maintained at reac-

tion temperature, whereby a reaction product is formed which on distillation gives a distillate containing a methacrylic acid ester in excess of that necessary to form a binary with the alcohol present in the distillate distilling an ester of alpha methacrylic acid and water from the reaction mixture as formed together with the alcohol separating from the resulting vapors during rectification substantially all of the alcohol by azeotropic distillation with a portion of the ester, leaving the ester of alpha methacrylic acid and water, condensing the azeotrope and returning it to the reaction zone the alcohol forming with the ester a binary having a boiling point below that of the binary formed between the ester and water.

2,416,757
QUICK RELEASE PARACHUTE HARNESS CONNECTOR

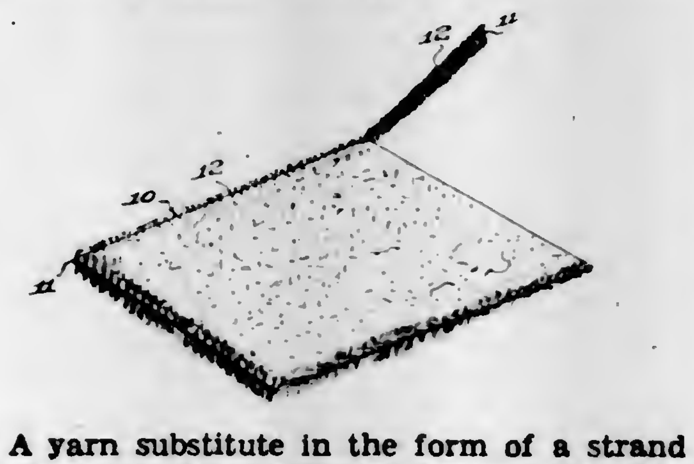
Lawrence M. Johnston, Indianapolis, Ind.
Application April 28, 1945, Serial No. 590,939
14 Claims. (Cl. 24—205)



2. For use with the connector rings of a parachute harness, a body formed to provide a plurality of abutments each engageable by one of said rings, an element oscillably mounted upon said body and formed to provide a ledge overlying all of said abutments and spaced therefrom a distance at least equal to the thickness of said rings, means movable with said element and located, in one position of said element, in cooperative relation with said abutments to block the space between said abutments and said ledge, and other means, angularly spaced from said first-named means and engageable with certain of said rings, when said element is shifted to remove said first-named means from such blocking relation, to move such engaged rings positively into such space, whereby the engaged rings are disengaged from their abutments.

2,416,758
YARN SUBSTITUTE FOR KNITTING OR CROCHETING ACTIVITIES AND THE METHOD OF MAKING THE SAME

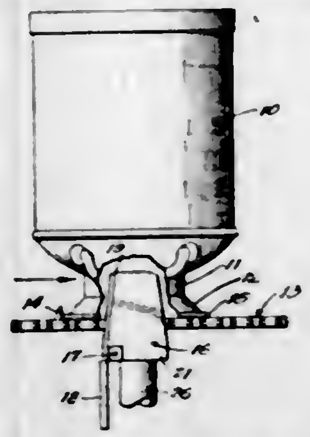
Eileen B. Knowles, Forbestown, Calif.
Application November 9, 1945, Serial No. 627,556
6 Claims. (Cl. 66—202)



1. A yarn substitute in the form of a strand or string comprising a thread base crocheted to provide a succession of loops, and increments of soft and fine fur fibers extending through and anchored by tightened loops of the crocheted chain.

2,416,759
PIVOTED MEANS FOR DIRECTING DRYING GAS INTO THE INTERIOR OF HOLLOW ARTICLES

Harry D. Lathrop, Chicago, Ill., assignor to The Lathrop-Paulson Company, Chicago, Ill., a corporation of Illinois
Application September 11, 1943, Serial No. 501,948
3 Claims. (Cl. 34—105)

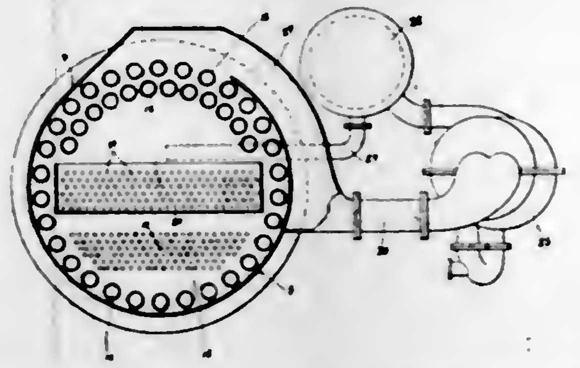


1. In apparatus for drying cans wherein a can in inverted position is advanced along a predetermined path, a device for discharging a gaseous medium into the interior of the can comprising a tubular casing, a horizontally-disposed pivot below said path for supporting the casing at the lower portion thereof for pivotal movement about a horizontal axis, means for supporting the pivot, counterweight means carried by said casing extending downwardly below said pivot to at least balance the weight of the portion of the casing above said pivot, a conduit having an outlet opening extending upwardly into the lower end of the casing for introducing a gaseous medium into the casing under relatively high velocity, said casing being swingable about said pivot between upper position wherein the casing extends upwardly into the interior of a can disposed thereabove in said predetermined path and lower position wherein the casing is withdrawn from the interior of the can and extends across said outlet to substantially close the same, the cross section dimensions of the casing being substantially greater than the cross section dimensions of the outlet of the conduit and the casing forming in upper position a continuation of the conduit, said casing being cut away at one wall to permit the casing to swing downwardly to lower position without interference from said conduit, the casing being moved from upper position to lower position by engagement with the advancing can and being moved from lower position to upper position by the counterweight and the upward pressure exerted on the upper portion of the casing and by the gaseous medium in said conduit when the casing is in lower position.

2,416,760
FLUID COOLING APPARATUS

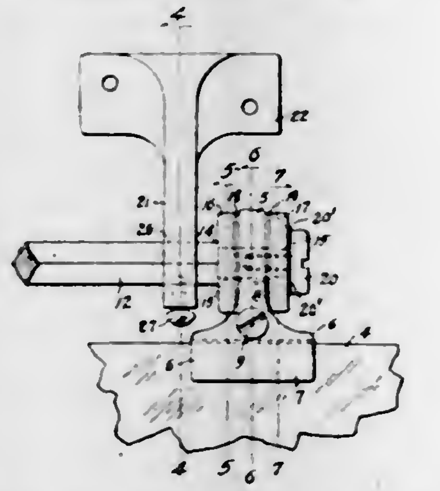
Matthew M. Lawler, Short Hills, and Paul F. Bahler, Haworth, N. J., assignors to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware
Application July 1, 1943, Serial No. 493,120
9 Claims. (Cl. 62—115)

1. In a refrigerating or cooling system for use in the catalytic alkylating of hydrocarbons, the combination, of a reactor comprising a shell, tube heads in said shell providing an inlet chamber, a combined return and outlet chamber and an intermediate cooling chamber, a partition in said inlet chamber forming a circulating space, a set of tubes extending through said cooling chamber and opening into the circulating space and said combined return and outlet chamber, a second set of tubes extending through said cooling chamber and opening into the inlet chamber and the return and outlet chamber, means for delivering a liquid refrigerant into said cooling chamber for contact with the second set of tubes, said cooling chamber having an outlet for vaporized refrigerant, a part of said first set of tubes being arranged in said shell so as to be free from contact with liquid refrigerant but being located in the path of vaporized refrigerant to said outlet.



2,416,761
GLARE SHIELD

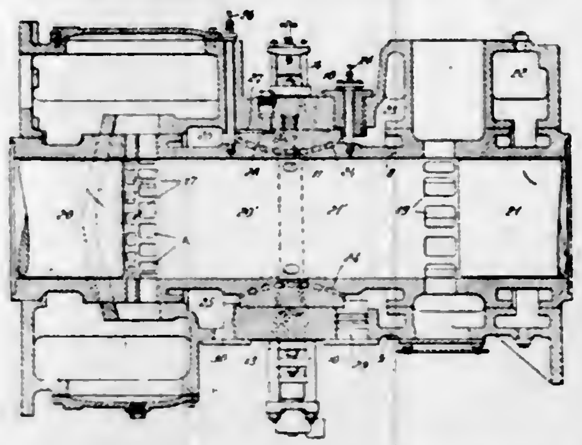
Lester R. Le Lande, Pasadena, Tex.
Application January 19, 1944, Serial No. 518,824
2 Claims. (Cl. 296—97)



2. A combination including a glare shield member, a plurality of ear elements fixed to said member, a corresponding plurality of bracket elements adapted to be fixed to a part of a vehicle, means pivotally connecting said ear elements to said bracket elements and comprising cylindrical portions, the ear elements having respective circular openings in which the cylindrical portions fit, and said pivotally connecting means for one of the ears, at least, comprising an angular portion, a clamping element having an angular opening in which said angular portion fits, and means for drawing said clamping element into tight frictional holding relation to the ear element, said pivotally connecting construction having an intermediate length of angular cross section and the brackets having respective openings angularly shaped, in which the intermediate length fits, thereby permitting adjustment of the bracket elements to various locations along said intermediate length accordingly as the bracket elements are to be attached to a vehicle part at various locations thereon, but holding said intermediate part and the brackets relatively nonrotatable.

2,416,762
MULTICYLINDER OPPOSED-PISTON INTERNAL-COMBUSTION ENGINE

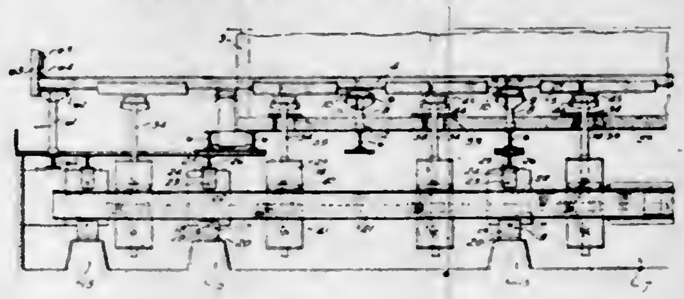
Hans Lieberherr, Winterthur, Switzerland, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland
Application September 20, 1944, Serial No. 554,942
In Switzerland November 20, 1943
4 Claims. (Cl. 123—51)



4. A multicylinder internal combustion engine with two pistons running in each cylinder and a plurality of injection or starting members in the middle part of said cylinders not swept by said pistons, said middle part being bounded by continuous supporting walls which run parallel to the common middle plane that includes the axes of all cylinders and in which said injection and starting members are arranged to lie in planes parallel to and laterally displaced from the planes that include the axis of each cylinder and are perpendicular to said common middle plane.

2,416,763
CONVEYING MEANS

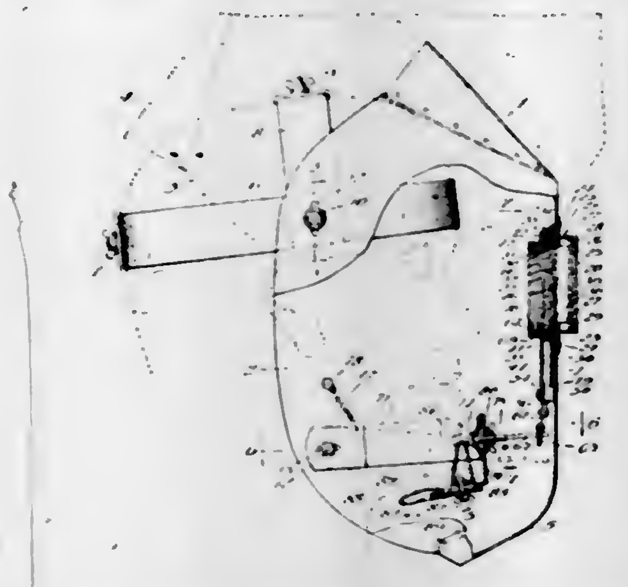
Charles B. Lynch, Cleveland, Ohio, assignor, by mesne assignments, to The Foundry Equipment Company, Cleveland, Ohio, a corporation of Ohio
Application July 12, 1944, Serial No. 544,597
9 Claims. (Cl. 198—219)



1. Conveyor mechanism comprising a series of stationary rails, a series of movable rails, stationary supports for said series of stationary rails, a horizontally translatable framework, vertical guideways carried thereby, a plurality of vertically movable supports carried in said guideways and supporting said series of movable rails, links pivoted to the vertically movable supports, links each having one end pivoted in fixed relation to said framework and the other end pivoted to one end of one of the first mentioned links, a connector attached to the joints between the ends of the pairs of links and moving means connected to said connector.

2,416,764
WELDER'S HELMET

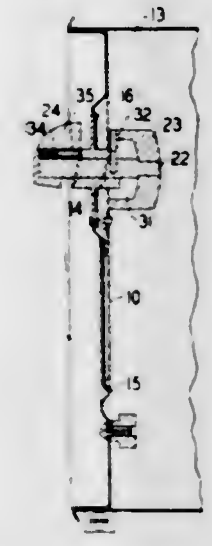
Harold Roy Madson, Glen Ellyn, Ill., assignor to Welding Apparatus Company, Chicago, Ill., a corporation of Illinois
Application January 1, 1944, Serial No. 516,656
12 Claims. (Cl. 2—8)



1. In a welder's helmet comprising a head harness, a shield carried by the harness and having a window structure with a movable lens means in the front wall of the shield, and a chin operated lever pivotally connected to the shield and to the movable lens means for opening and closing the lens means; a lever arrangement in the connection from the chin operated lever and the lens means, comprising a lens operating lever pivotally connected to the window structure and to the movable lens means, and a connecting member between said lens operating lever and said chin operated lever for moving the lens means with a proportionately greater movement than the movement of the chin operated lever, said connecting member being adjustably fixed to said chin operated lever.

2,416,765
DRAFT REGULATOR

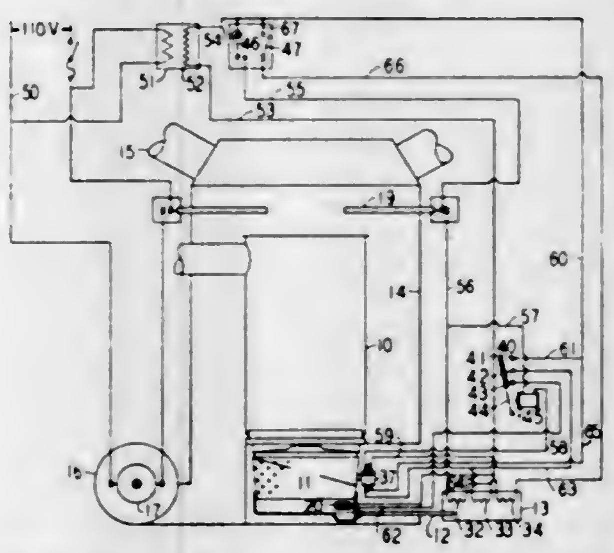
John W. Miller, Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application June 30, 1944, Serial No. 542,875
14 Claims. (Cl. 236—45)



13. In a draft regulator, the combination with a damper blade of counterbalancing means for the same comprising a shaft extending through the blade at an angle to the plane thereof, said shaft being supported by the blade for longitudinal and rotatable movement relative thereto, a cam member supported by the blade in concentric relation to the shaft on one side of the blade, said cam member having a substantially helical cam surface, a cam follower carried by the shaft and adapted to engage said cam surface, and spring biased means carried by the shaft on the opposite side of the blade from the cam follower, said spring biased means being arranged to act against a contact member carried by the blade to hold the cam follower against the cam surface.

2,416,766
FUEL SUPPLY AND IGNITION CONTROL FOR COMBUSTION APPARATUS

John W. Miller and Raymond E. Fell, Lansing, Mich., assignors to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application May 27, 1942, Serial No. 444,710
5 Claims. (Cl. 158—28)

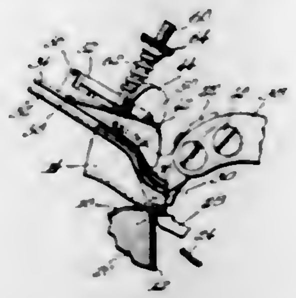


1. Fuel supply and ignition control means for combustion apparatus embodying a liquid fuel burner, comprising, in combination, an electrical fuel ignition element in the burner, means including an adjustable metering valve for supplying fuel to the burner in regulatable quantities, valve operating means for moving said valve between opened and closed positions, said valve operating means comprising a motor for moving the valve from opened position part way toward closed position and a second motor for moving said valve to fully closed position, a circuit for the first motor, a circuit for the fuel ignition element, a circuit for the second motor, a holding circuit for the second motor, means for concurrently closing the first three of said circuits, and a heat responsive switch positioned in heat exchange relation with the burner movable from a position where it is in said second motor circuit to a position where it is in said holding circuit, said switch being movable to break the second motor circuit and close the holding circuit upon attainment of predetermined temperature in the burner.

2,416,767
SHOE SEWING MACHINE

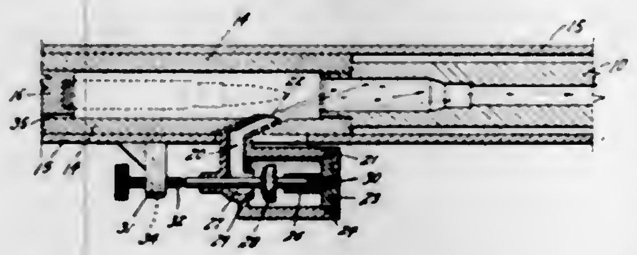
George A. Miner, Manchester, N. H., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application September 19, 1945, Serial No. 617,349
3 Claims. (Cl. 112—51)

1. A machine for sewing to a shoe a platform edge covering strip having a work piercing needle arranged to penetrate the marginal portion of the shoe, and a guide formed with one open edge and an abutment to engage the covering strip and direct it into the path of the needle, in combination with means acting on the covering strip in advance of the sewing point to crowd the strip against the abutment in the guide comprising a friction wheel mounted to rotate and slide along the surface of the covering strip transversely of its length, and adjustable means for yieldingly maintaining the friction wheel in contact with the strip to enable the force required to cause the wheel to slide along the strip to be changed with strips of different stiffness.



2,416,768
MACHINE GUN COOLING MEANS

Ray J. Monner, Denver, Colo., assignor, by mesne assignments, to Christian A. Sorensen, Lincoln, Nebr.
Application October 16, 1943, Serial No. 506,613
4 Claims. (Cl. 89—1)

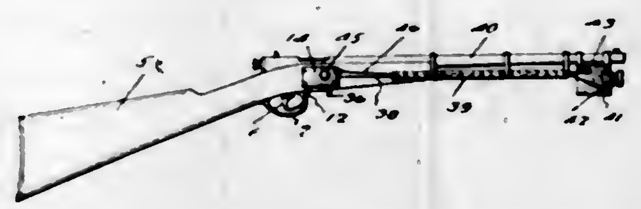


4. The combination in a machine gun having a barrel and barrel frame slidingly mounted in a housing and having an internal bore and cartridge chamber, of a sliding breech block adapted to withdraw cartridge shells from said chamber during recoil movement of said block, a source of carbon dioxide under pressure outside of said housing, a nozzle means connected with said source and adapted to direct a jet of said carbon dioxide at an angle into said cartridge chamber and barrel bore, valve means between said source and said nozzle means normally closed to retain fluid in said source, and means connected to said barrel frame housing for operating said valve means upon rearward movement of said barrel frame while said breech block is open so as to project a blast of said carbon dioxide from said nozzle means into said cartridge chamber and barrel bore after removal of the fired cartridge shell and before the insertion of the next successive cartridge in the cartridge chamber.

2,416,769
PHOTOGRAPHIC ATTACHMENT FOR FIREARMS

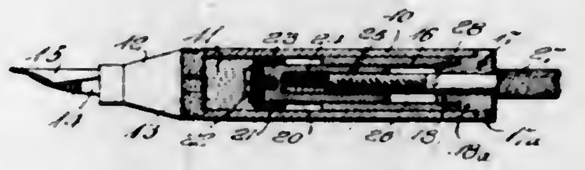
Charles O. Palmer, Bergholz, Ohio
Application April 27, 1945, Serial No. 590,665
6 Claims. (Cl. 95—31)

1. In combination, a firearm including a trigger, a camera carried by the firearm, and specially provided means operatively connecting the camera to the trigger for operating the camera upon a pulling movement of the trigger to fire the firearm, said connecting means including a pair of longitudinally separable members and a releasable locking member for selectively connecting the separable members to each other and automatically released therefrom to break the connection between the camera and trigger upon the completion of the firing action of the trigger.



2,416,770
FOUNTAIN PEN

Ferdinand M. Pisculli, Yonkers, N. Y.
Application April 28, 1945, Serial No. 590,799
2 Claims. (Cl. 120—47)

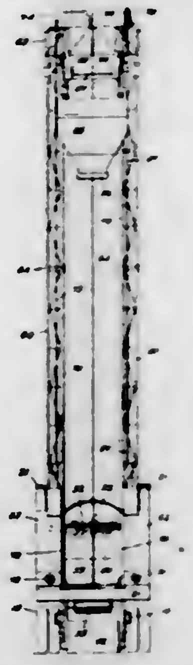


1. A fountain pen of the character described having in combination a tubular barrel providing an ink reservoir, a pen section closing one end of said barrel and in communication with said reservoir, a tubular guide member located within and slidingly engaging said barrel in spaced relation with respect to said pen section, said guide member being internally threaded at one end, an anchor head having sliding frictional engagement with the interior of the barrel and provided with a reduced threaded portion removably engaging the threaded portion of said guide member, a tubular piston stem slidingly mounted within said guide and having a piston head located within said reservoir, and an actuator stem rotatively mounted wtihin said head and telescoping with said piston stem, said actuator stem and said piston stem having complemental means for imparting axial movements to said piston stem while the actuator stem is being rotated.

2,416,771
CONCRETE MIXING AND DISTRIBUTING APPARATUS

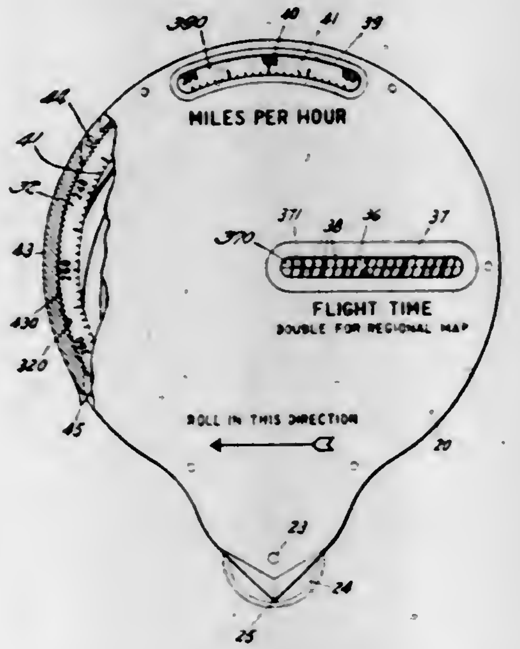
Don C. Porter, Tacoma, Wash., assignor to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin
Application April 21, 1944, Serial No. 532,125
1 Claim. (Cl. 259—160)

In a mobile concrete mixing and distributing apparatus having a framework, and a power-driven mixing drum mounted thereon: a pair of laterally spaced skeleton towers respectively hinged to base structures carried by said framework and movable between a horizontal inoperative position and a vertical operative position; power means for raising and lowering said tower structures in unison; an elevating bucket and a distributing hopper each slidably mounted by the towers between them; a hoisting mechanism disposed in each of the tower base structures, for raising and lowering the bucket and hopper re-



spectively; and common means for driving said hoisting mechanisms from the mixing drum.

2,416,772
PILOTAGE ROTAMETER
Franklin A. Reece, Brookline, Mass.
Application May 17, 1943, Serial No. 487,377
11 Claims. (Cl. 33—142)

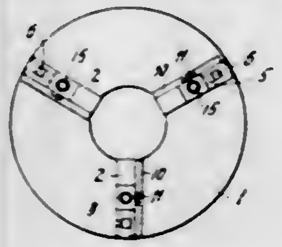


8. A computing map measuring instrument comprising spaced front and rear face plates, a traction wheel journalled between said plates and projecting beyond the same, said wheel being adapted to be moved over a map surface and rotated by engagement therewith, coaxial scale and indicator disks between said plates, said scale disk being disposed between the indicator disk and front face plate and being transparent, said scale disk being angularly adjustable and having thereon diverging spiral lines, and said indicator disk having a spiral line on its front face, and gearing connecting said traction wheel with said indicator disk for rotating the latter as the former is rotated, said front face plate having a slot therein disposed radially of said disks and intercepting portions of the lines thereon, the portions of the lines on said scale disk intercepted at said slot constituting the graduations of a time scale, the spacing of said graduations being variable by angular adjustment of said scale disk, and the intercepted portion of the line on said indicator disk constituting an indicator which, as said indicator disk is rotated, moves lengthwise of said slot.

2,416,773
STABILIZED DIAZOTYPE PHOTOPRINTING MATERIALS
Maximilian K. Reichel, Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application January 4, 1945, Serial No. 571,352
6 Claims. (Cl. 95—6)

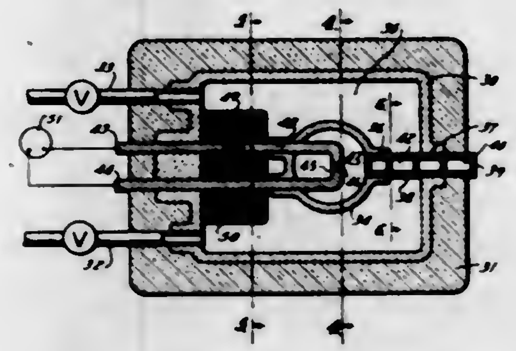
1. Photoprinting materials comprising light sensitive layers on a suitable base containing in the light-sensitive layer a diazo compound suitable for forming a stable two-component diazotype layer, an azo dye coupling component and a member of the class consisting of sulfonated ortho-hydroxy-carboxylic acids of the benzene and naphthalene series.

2,416,774
CHUCK AND MEANS FOR ATTACHING TOOLS THERETO
David Rosenblatt, North Carlton, Victoria, Australia
Application June 7, 1944, Serial No. 539,042
In Australia May 22, 1943
6 Claims. (Cl. 90—60)



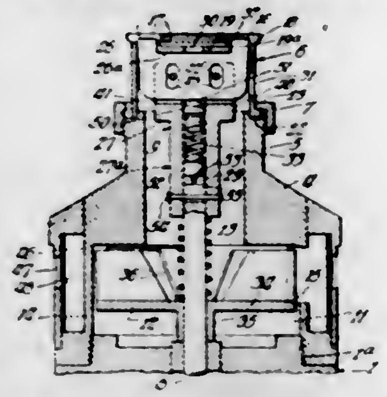
1. A chuck for use with machine tools having stepped adjustable jaws, tool-carrying blocks seated upon the steps of the adjustable jaws, sockets in the tool carrying blocks for the mounting of the tools or cutters, means for clamping the tools or cutters in operative positions within said sockets, and means for securing the tool-carrying blocks to the stepped adjustable jaws.

2,416,775
COOLED RADIATION THERMOCOUPLE
Emmett F. Sarver, Wichita, Kans., assignor of one-half to O. W. Wortman, Wichita, Kans.
Application April 20, 1942, Serial No. 439,736
3 Claims. (Cl. 136—4)



1. In a device of the character described, an inner housing having walls forming a completely enclosed chamber, an outer casing having corresponding walls spaced from the walls of the inner chamber to provide an annular passageway therebetween, means for circulating a refrigerant through said passageway, a pair of electrical conductors having ends terminating respectively in said chamber and in said passageway, a dissimilar thermoelectrical conductor connecting said ends of the first-named conductors to form a junction in said chamber and a junction in the passageway, a body of insulating material encompassing the junction in the passageway for stabilizing temperature of said junction during momentary fluctuations in temperature of the refrigerant circulated through said passageway, and means for passing heat rays through walls of the housing to act upon the junction within said chamber.

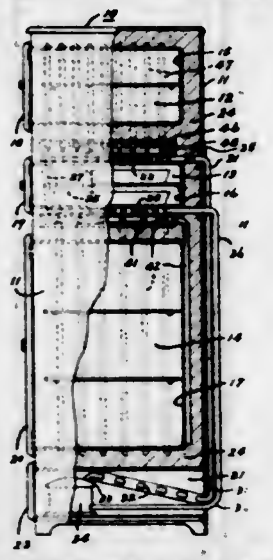
2,416,776
SHAVER
Herman Schlotthauer, Chicago, Ill.
Application October 23, 1944, Serial No. 559,882
5 Claims. (Cl. 30—43)



1. A shaving device comprising in combination, a power driven rotatable shaft, a blade having cutting edges, a cutting head having an annular slotted face portion which cooperates with the cutting edges of the blade to sever hairs, said cutting head having also a depressed disc-like well, a slotted coupling member for coupling said blade to the shaft, said blade being held in the slot of the head and said coupling member having an axially extending bore therein in which the end of the shaft is received, means for removably securing the coupling member to the shaft and a coiled spring supported in the bore of the coupling member for urging the blade against the depressed disc-like wall of the cutting head.

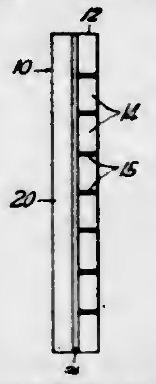
2,416,777
MULTIPLE TEMPERATURE REFRIGERATOR
Edmund F. Schweller, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application March 19, 1945, Serial No. 583,620
4 Claims. (Cl. 62—116)

1. A refrigerating apparatus comprising in combination, a cabinet having therein an upper food storage compartment, a lower food storage compartment and an intermediate compartment all insulated from one another, a closed primary refrigerating system associated with said cabinet and including an evaporator for cooling said intermediate compartment, a closed secondary circuit containing a volatile liquid refrigerant for cooling said lower compartment including a refrigerant condensing portion in heat exchange relationship with the evaporator of said primary refrigerating system and refrigerant evaporating portions extending into heat exchange relationship with said lower compartment, another closed secondary circuit containing a volatile liquid refrigerant for cooling said upper compartment, and said another closed secondary circuit including a refrigerant condensing portion in heat exchange relationship with the evaporator of said



primary refrigerating system and refrigerant evaporating portions extending upwardly into heat exchange relationship with said upper compartment.

2,416,778
HEATED WINDOW PANEL
Charles E. Stroud, Ford City, and Herman Marini, New Kensington, Pa., assignors to Pittsburgh Plate Glass Company, a corporation of Pennsylvania
Application February 7, 1945, Serial No. 576,566
3 Claims. (Cl. 219—19)

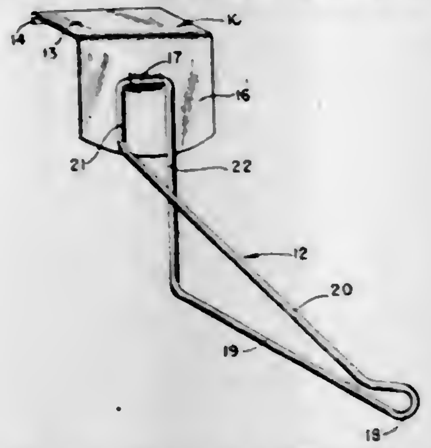


3. In a window construction adapted for vision therethrough along substantially horizontal lines, a series of glass sections aligned in substantially the same plane and having opposed edges of adjacent sections disposed in substantially horizontal planes, a metal conductor in strip foil form disposed between adjacent edges of the sections and trained around extremities of the sections beyond the opposed edges to define a continuous electric conductor, and adhesive material bonding adjacent edges of the sections to opposite sides of the foil conductor, the sides of the metal foil being disposed substantially flatwise with respect to the edge surfaces of the sections and also being substantially parallel to horizontal lines of vision through said sections.

2,416,779
CLOTHES HANGER ATTACHMENT
Harold C. Sundstrom, Chicago, Ill.
Application September 19, 1945, Serial No. 617,344
5 Claims. (Cl. 211—106)

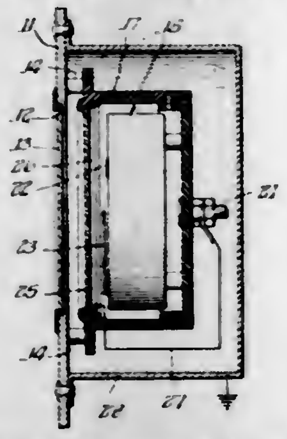
2. A clothes hanger attachment comprising a bracket adapted to be secured to a door or wall, a substantially horizontal bearing member on the outer vertical surface of said bracket, and a hanger member detachably and pivotally supported in said bearing member for pivotal move-

ment substantially on a horizontal axis, said hanger member having outwardly extending arms angularly disposed relative to each other and integrally connected at their outer ends, vertical portions extending upwardly from the inner ends of said arms and inwardly and horizontally directed end portions at the upper extremities of said vertical portions adapted to be received and maintained within said bearing member, said arms comprising spring elements adapted to be forced apart under tension to permit insertion of the inwardly directed end portions within the bearing member and to maintain said end portions within said bearing member under the inherent tensional urge of said arms to restore themselves to their normal relative positions.



2,416,780
ELECTROSTATIC METER SHIELD

Joseph C. Tellier, Drexel Hill, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application December 31, 1943, Serial No. 516,524
4 Claims. (Cl. 171—95)

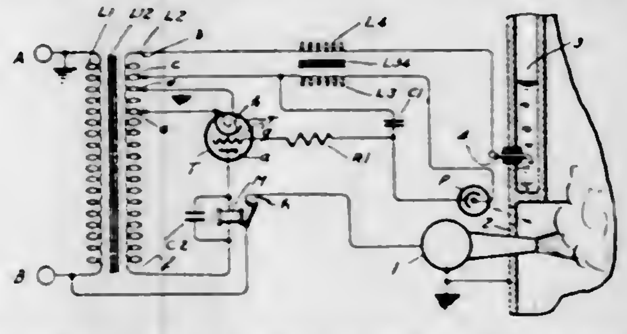


1. The combination comprising a current indicating meter, having moving elements, adapted to be connected in a high potential circuit, said meter being mounted adjacent to a low potential object and therefore being subjected to an electrostatic field, a conducting member forming part of the meter assembly interposed between said low potential object and the moving elements of said meter, and a connection between one of the terminals of said meter and said conducting member, whereby the deleterious effects of said field on said meter are substantially eliminated.

2,416,781
FLAME FAILURE SAFEGUARD

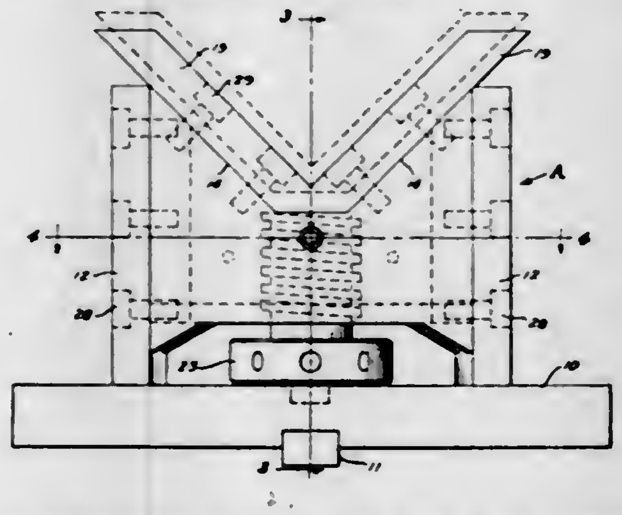
Elihu Craig Thomson, Boston, Mass., assignor to Combustion Control Corporation, Cambridge, Mass., a corporation of Massachusetts
Application October 9, 1945, Serial No. 621,328
14 Claims. (Cl. 250—41.5)

13. Apparatus for supervising a flame having electrically operable means for supplying fuel thereto comprising: in combination; a source of power and an electron tube having an anode, a cathode, a control grid and a screen grid, said anode being connected to one end of said source, said cathode being connected to a first point on said source near the other end thereof, said control grid being connected to said other end through a series-connected resistor and capacitor, said screen grid being connected to a second point on said source near the anode end thereof; a phototube having its cathode connected to a point between said resistor and capacitor and its anode connected to said second point; and means in the connection between said anode and said source for controlling the operation of said fuel supplying means; said tube being adapted to become conductive when said anode end of said source is positive with relation to said other end, the portion of said source between said other end and said first point at that time providing to said control grid a potential that is negative with respect to the cathode potential, but not sufficiently negative to cut off said tube; said capacitor being charged negatively on the side nearest said control grid by grid current through said resistor when said other end of said source is positive with relation to said anode end, the voltage on said capacitor being added to said negative grid potential and adapted to cut off said tube when said voltage reaches a predetermined value; said phototube when illuminated by said flame, providing a discharge path for the negative charge accumulated on said capacitor during the times when the anode end of said source is positive with relation to said other end, but providing no discharge path when not illuminated.



2,416,782
ADJUSTABLE V-BLOCK

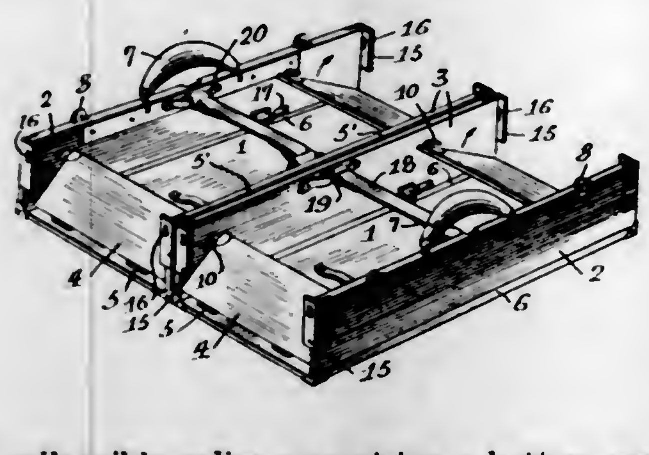
Paul Valish, Waterbury, Conn.
Application May 12, 1944, Serial No. 535,383
3 Claims. (Cl. 90—59)



1. A structure of the kind described, comprising a box-like body having inner converging side walls and end walls having their lower ends elevated above the lower ends of said side walls thereby forming a well opening upwardly therefrom, a screw jack fitted within the well, and a V-notched head conforming to the interior of said body threadably connected to the jack and having contacting plates lining the notch therein.

2,416,783
COLLAPSIBLE VALISE

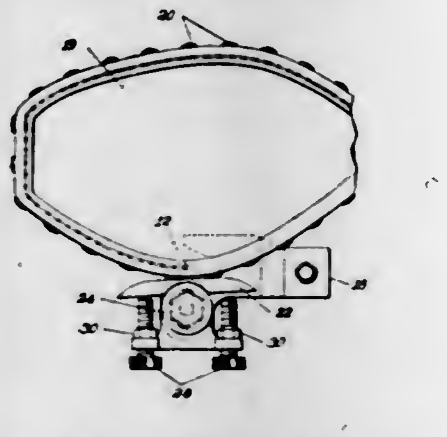
Lucien Vallières, Sherbrooke, Quebec, Canada
Application November 1, 1944, Serial No. 561,346
1 Claim. (Cl. 190—43)



A collapsible valise comprising a bottom member split lengthwise in two sections hinged together in edge-to-edge relation, a pair of lateral members respectively hinged at one longitudinal edge to the outer longitudinal edge of each bottom section, end pieces hinged freely to the respective transverse edges of said lateral members and having the same width as said bottom sections, top sections hinged respectively to the remaining longitudinal edges of said lateral members, a pair of L-shaped hooks having their long arms pivotally mounted, respectively, at each end of the free edge of each end section, a clip formed on each long arm remote from its pivot and adapted to straddle an end of the corresponding end piece, and apertured plates carried by said top and bottom sections and adapted to receive said hooks.

2,416,784
SHOE SOLE SEWING MACHINE

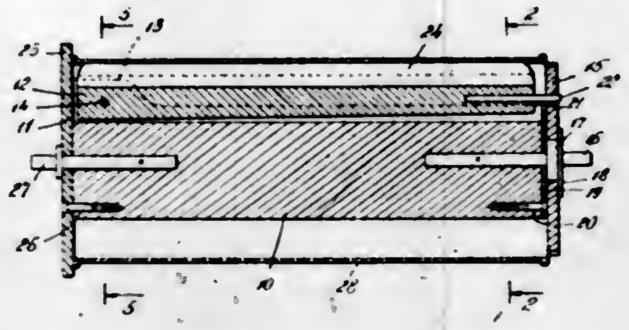
Myrl M. Walker, Auburn, N. Y., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application January 31, 1946, Serial No. 644,636
4 Claims. (Cl. 112—51)



1. A machine for sewing shoe soles provided with irregular or studded edges, having a work support, a presser foot, a hook needle, and other stitch forming devices, in combination with an elongated edge gage pivoted to swing during sewing operations about a center opposite to the point of operation of the stitch forming devices on the shoe sole.

2,416,785
BOBBIN ARBOR

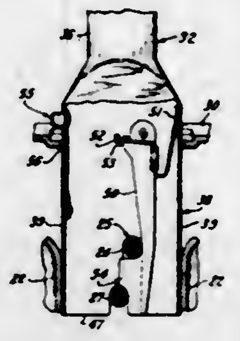
William Elias Detwiler Welch, Rome, Ga., assignor, by mesne assignments, to Celanese Corporation of America, a corporation of Delaware
Application June 13, 1945, Serial No. 599,266
6 Claims. (Cl. 242—72)



1. A bobbin arbor comprising a generally cylindrical body member having a plurality of circumferentially spaced grooves extending throughout the length of the member, a radially extending arm positioned in each of said grooves and pivotally secured at one end to the body member, a pin extending from the other and free end of each arm, a disc operatively secured to the body member to turn about the longitudinal axis thereof and provided with slots cooperating with said pins for simultaneously imparting a limited radial movement to the free ends of said arms.

2,416,786
SUCTION CLEANER

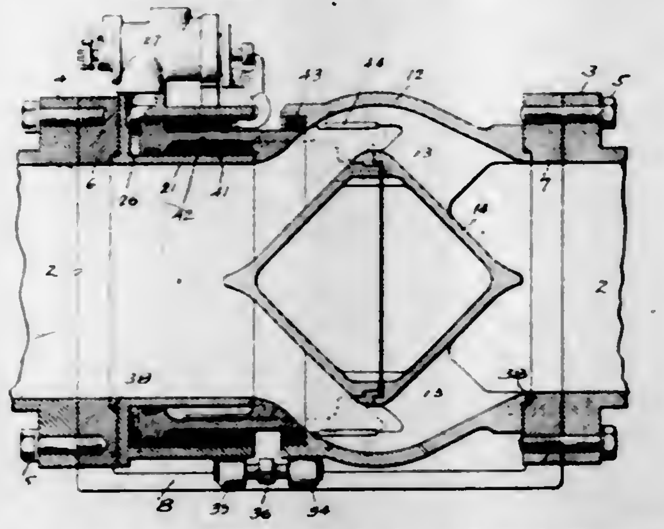
Harry B. White, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application May 12, 1943, Serial No. 486,633
7 Claims. (Cl. 15—9)



7. In a suction cleaner, a cleaner body having a nozzle, suction creating means, a suction air passageway therebetween, a port in said body opening into said suction air passageway for receiving a converter element, an agitator movably mounted in said nozzle, power transmitting means in said air passageway for moving said agitator, a converter element insertable through said port into said air passageway between said nozzle and said suction creating means, a slot in said converter spanning said power transmitting means, and valve means on said converter for closing said slot in said converter and enclosing said power transmitting means when said converter is in position in said passageway, said valve means including means engageable with the cleaner body and operative in response to such engagement to move said valve means to slot closing position during said insertion of said converter into said suction air passageway to thereby seal said nozzle from said suction creating means.

2,416,787
VALVE

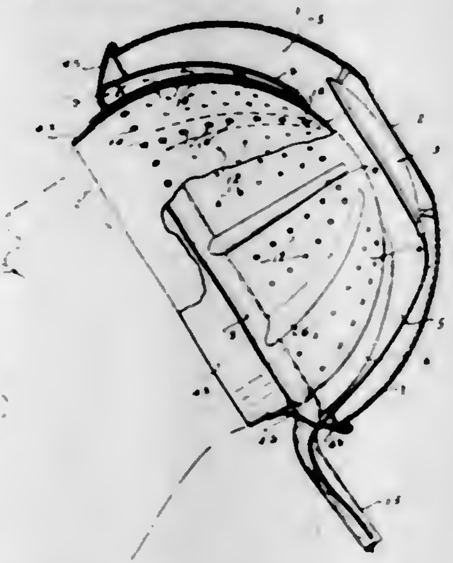
Ira Morgan White, Oakland, Calif., assignor to The Pelton Water Wheel Company, San Francisco, Calif., a corporation of California
Application June 25, 1943, Serial No. 492,278
9 Claims. (Cl. 137—139)



1. A valve for insertion in a pipe line including a cradle adapted to be fixed in the pipe line, a flange on each end of the cradle, a two part valve body insertable into said cradle and expansible to bring the parts respectively into tight contact with said flanges, a plug on one of said parts, and a movable sleeve valve forming a tight sliding contact with said parts and movable into and out of engagement with said plug.

2,416,788
HAIR DRYING HELMET WITH FLEXIBLE INNER WALL

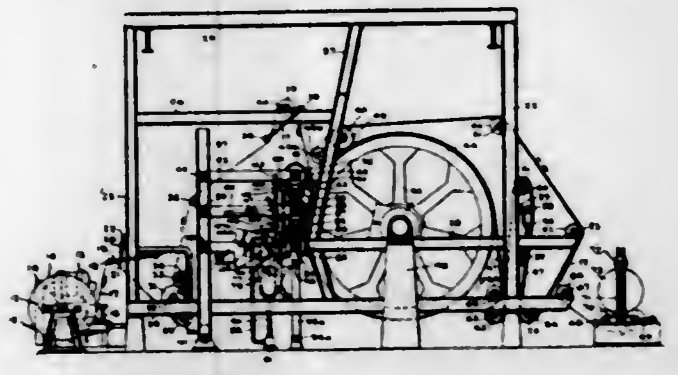
Alvadore M. Andrews, Camp White, Oreg.
Application July 23, 1943, Serial No. 495,814
9 Claims. (Cl. 34—99)



1. In a hair drier of the helmet type, an outer rigid wall member, a spaced inner flexible wall member secured inside said outer wall member, said inner wall member being provided with openings therethrough at a plurality of points generally distributed over its inner area, arcuate suction tube means sealed to a portion of said openings effective to exhaust air from beneath said inner flexible wall member, the remainder of the said openings remaining as ingress channels for air at atmosphere pressure, the said last named openings having a total area less than the first named openings and the space between the wall members being provided with an air heater and an opening to atmosphere.

2,416,789
APPARATUS FOR COATING PAPER

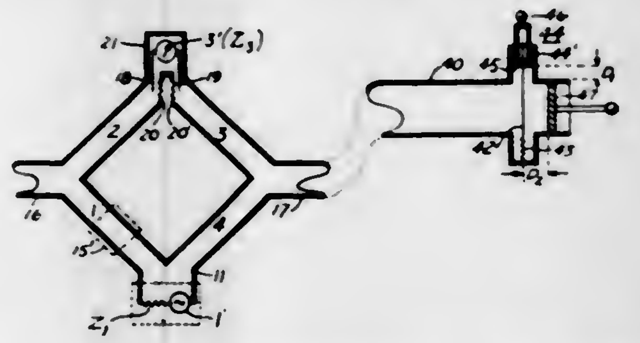
William H. Barrett and Bernard K. Asdell, International Falls, Minn., assignors to Minnesota and Ontario Paper Company, Minneapolis, Minn.
Application October 28, 1944, Serial No. 560,858
5 Claims. (Cl. 91—50)



1. An apparatus for coating a sheet or the like surface, comprising a container for a bath of coating material, a rotatable depositing roll dipping into the said bath, a metering roll mounted in the bath at a selected distance from the depositing roll, a doctor roll for removing a portion of the coating material from the said depositing roll and smoothing in substantially even film the coating material remaining on the said depositing roll, a second depositing roll wiping said doctor roll's periphery to remove substantially all the coating material therefrom, a second doctor roll wiping the periphery of said second depositing roll so as to leave a measured quantity of coating material on said periphery, a roll for removing substantially all the coating material from said second doctor roll, and means for removing the coating material from the roll wiping the second doctor roll.

2,416,790
TRANSMISSION LINE BRIDGE CIRCUIT

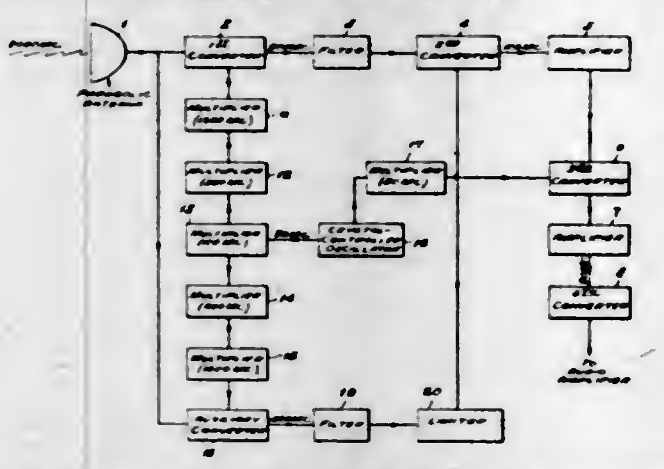
Wilmer L. Barrow, Newton, Mass., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application January 28, 1941, Serial No. 376,253
30 Claims. (Cl. 178—44)



3. A circuit network comprising a pair of transmission paths, each comprising a pair of transmission lines designed for transmission of waves comparable in length with the length of the lines, said lines being connected in tandem as a continuous loop, thereby forming a bridge circuit with junctions between lines as the four bridge points thereof, an alternating-current source and an alternating-current energy-receiving device, said latter two elements being connected to adjacent lines at different bridge points thereof, one of said latter two elements being serially connected to adjacent lines.

2,416,791
RADIO RECEIVER SYSTEM

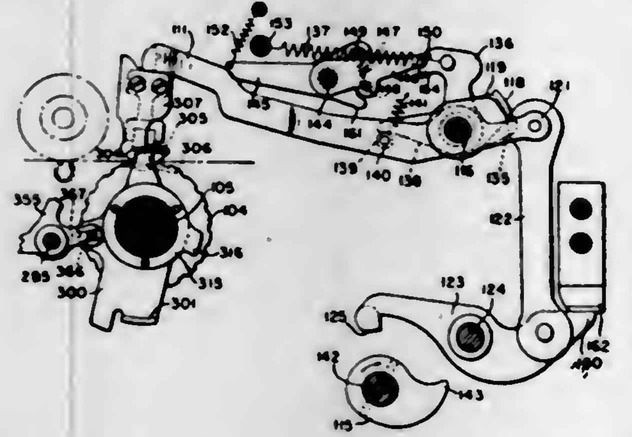
Harold H. Beverage, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application October 10, 1942, Serial No. 461,527
11 Claims. (Cl. 250—20)



1. A method of signalling at high frequency with amplitude modulated carrier waves having incidental frequency modulation effects which includes providing stable local oscillations of constant amplitude and of a relatively lower frequency than the carrier frequency of said modulated carrier waves, frequency multiplying the local oscillations to a frequency differing from the carrier frequency by a predetermined value, heterodyning the modulated carrier waves and multiplied oscillations to produce a beat frequency, frequency multiplying said local oscillations to a second frequency different from the first multiplied value, combining the modulated carrier waves and the second multiplied oscillations to provide a second beat frequency different from the first beat frequency, amplitude limiting the current of one of said beat frequencies to remove amplitude variations therefrom, and after said limiting combining the two beat frequencies to provide a third beat frequency substantially free of said modulation.

2,416,792
PRINTING CONTROL MEANS FOR CASH REGISTERS

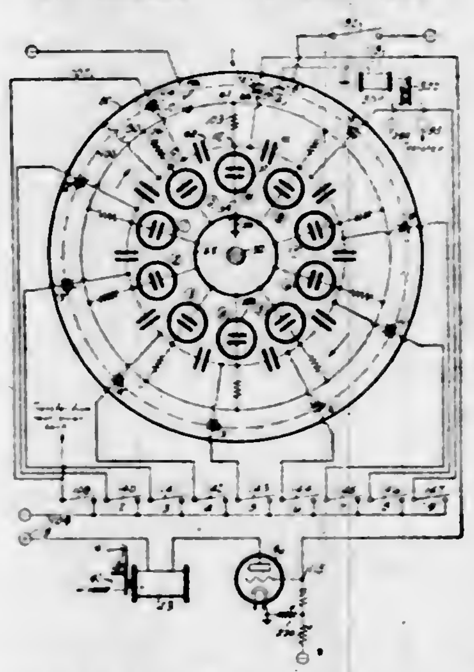
Elmer C. Carter, West Milton, and Charles G. Dudis, Dayton, Ohio, assignors to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application June 14, 1943, Serial No. 490,750
5 Claims. (Cl. 101—93)



2. In a machine of the class described, the combination of a printing hammer; an operating arm for said hammer; a spring connected to the hammer and tensioned to draw the hammer into engagement with the operating arm; cam means to retract the operating arm in one direction; a spring to actuate the operating arm in the reverse direction to move the hammer in printing direction; means engageable with the hammer to maintain the hammer in normal position and movable out of engagement with the hammer to release the hammer to the action of the first-named spring; means located in the path of travel of the hammer; and a spring to normally urge the last-named means to engage the operating arm when the operating arm is moved to the retracted position by the cam means, to maintain the operating arm in retracted position when the hammer is maintained in normal position by the means to engage the hammer, and movable out of the path of movement of the retracted operating arm by the hammer when the hammer is thereafter moved by said first-named spring upon being released by the means to engage the hammer.

2,416,793
CALCULATING DEVICE

Justin S. Compton, Lebanon, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application June 25, 1943, Serial No. 492,299
21 Claims. (Cl. 235—61)



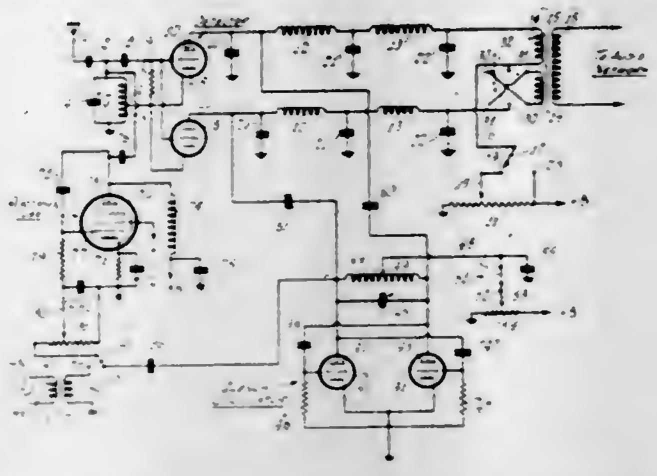
1. A rotatable member; means to rotate the member; means to stop the rotation; a plurality of electrically energizable stop control means carried by the member, said energization consisting in providing an electric potential on any one of said control means that is distinctive from the electric potential on all the others of said control means, each control means when energized controlling the stop means, by the effect of the distinctive potential, to stop the rotation at an associated point in the rotation; and a plurality of keys to energize any selected one of the non-energized control means when the member is stopped, any selected key always stopping the rotation of the rotatable member after a fixed number of degrees of movement regardless of the then angular disposition of it.

2,416,794
TRANSCEIVER SYSTEM

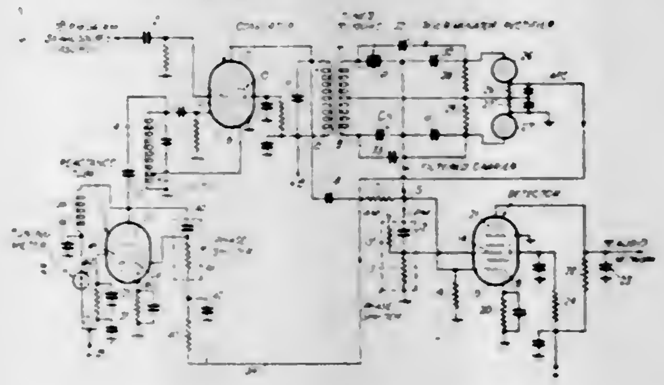
Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application February 15, 1943, Serial No. 475,896
11 Claims. (Cl. 250—13)

1. In a transceiver system, at least one electron discharge tube having a resonant signal in-

put circuit, regenerative connections between the output and input electrodes of said tube, said connections including said resonant input circuit, a quench oscillator for applying superaudible frequency quench oscillations to an electrode of said tube, a modulation output circuit coupled to the output electrodes of said tube, a second electron discharge tube having its plate to cathode impedance connected across said resonant input circuit, means electrically associated with said second tube to cause said impedance to simulate a reactance across the resonant circuit, means applying said quench oscillations from said quench oscillator to an electrode of said second tube thereby to vary the magnitude of said reactance at said superaudible rate, a source of audio modulation energy, means for selectively rendering said quench oscillator inoperative, means for selectively rendering said first tube operative as an oscillator, and means for selectively disconnecting said second tube from the quench oscillator and connecting the second tube to said audio modulation source.

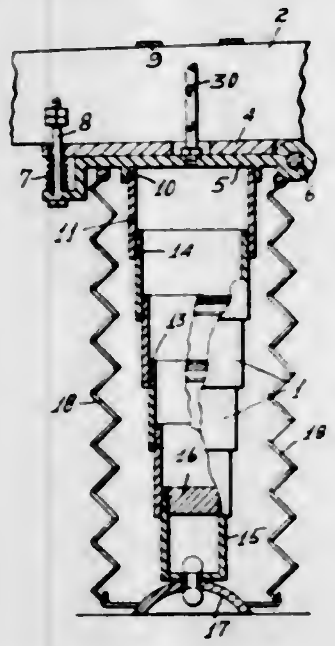


2,416,795
PHASE OR AMPLITUDE MODULATION RECEIVER
Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application June 7, 1943, Serial No. 489,924
6 Claims. (Cl. 250—20)



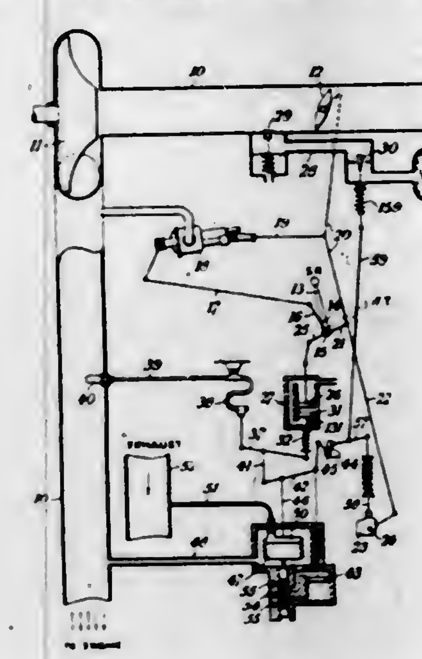
1. In a system of the type including a converter network provided with a signal input circuit and a local oscillator circuit, means for applying to said signal input circuit either phase modulated, or amplitude modulated, carrier wave energy, an output circuit connected to said converter for developing thereacross signal energy whose mean frequency is the difference between the signal carrier frequency and the frequency of said oscillator circuit, and means coupled to said output circuit for deriving therefrom substantially unmodulated carrier energy, the improvement which consists of an electron discharge tube provided with at least a pair of spaced input electrodes, means connecting one of the said input electrodes to said output circuit thereby to apply to the input electrode modulated signal energy, a phase shifter connecting the second input electrode to said deriving means thereby to apply to the second input electrode said substantially unmodulated carrier energy, said phase shifter comprising a resistor and a condenser having individual input terminals, a common output connection from the output terminals of the resistor and condenser to said second input electrode, means for selectively connecting said deriving means to either of said input terminals for application to the respective resistor and condenser of the unmodulated carrier energy derived from the amplitude modulated and phase modulated waves respectively, and an output circuit connected to said tube for developing modulation voltage components.

2,416,796
HYDRAULIC JACK
Richard H. Dobbs, Atlanta, Kans.
Application May 7, 1945, Serial No. 592,459
2 Claims. (Cl. 254—86)



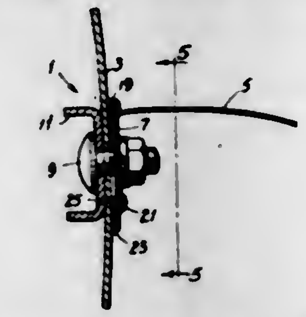
1. In a hydraulic jack of the class described comprising in combination with a motor vehicle, a hollow shaft comprised of upper, lower and intermediate sections telescopically engaging and having rings for oil tight purposes, the upper and intermediate sections each having an annular ratchet groove internally applied and being spaced upwardly from their lower ends, and an annular pawl to engage in said groove to function as a detent against separation of the sections at their extremity of expansion with respect to each other when the jack is in action, said pawl and a groove therefor being externally applied to the section a spaced distance downward from their upper ends, a head to close the upper end of the lower section and a foot rockably connected to the other end as a support for the jack, a leaf hinge to rockably carry the jack, means to secure one leaf of said hinge to an axle of the motor vehicle, the other leaf being secured to the upper end of the upper section as a closing head therefor and as carrying means for the jack, a pipe line to connect the jack with the motor vehicle pressure oiling system and valves in the pipe line to control the oil pressure and direction of its circulation to energize and deenergize the jack.

2,416,797
FUEL INJECTION SYSTEM FOR INTERNAL-COMBUSTION ENGINES
Edward Dodson, Oaks, Puriton, near Bridgwater, England
Application August 23, 1944, Serial No. 550,830
In Great Britain September 23, 1943
11 Claims. (Cl. 123—119)



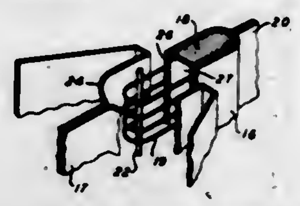
1. A fuel injection system for an internal combustion engine having a throttle valve, comprising means for supplying fuel and air to the engine, mixture control means for varying the fuel/air ratio of the mixture supplied to the engine, a servo mechanism responsive to induction pipe pressure for adjusting said mixture control means to vary the fuel/air ratio as a desired function of induction pipe pressure, and an accelerator pump which is effective, on sudden opening of the throttle valve, to effect an overriding adjustment of the mixture control means to provide a temporary enrichment of the mixture.

2,416,798
BEADING
William C. Ferguson, St. Louis, Mo., assignor to The Presstite Engineering Company, St. Louis, Mo., a corporation of Missouri
Application October 14, 1944, Serial No. 558,636
1 Claim. (Cl. 280—153.5)



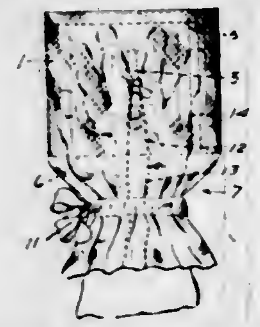
A car body joint comprising a first body member, a second body member having a flange secured to said first body member with a pair of flexible packing strips engaged therebetween, said flange having a longitudinal groove therein adjacent a margin facing said first body member, each packing strip comprising a web having a bead only on one longitudinal edge thereof, one of said strips having its web engaged between the first body member and the inner portion of said flange with its bead disposed in the corner at the juncture of said body members, the other strip having its bead disposed in said groove and its web engaged between said first body member and the portion of said flange between the groove and the outer margin of the flange, said other packing strip being tacky.

2,416,799
ELECTRON DISCHARGE DEVICE
Charles T. Goddard, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application August 4, 1942, Serial No. 453,515
5 Claims. (Cl. 250—27.5)



1. An electron discharge device comprising an elongate electron emitting filament, a control grid having a mandrel, with a flat inner face, mounted parallel with the filament and formed of a conductive material to attract electrons emitted by the filament, and a grid wire wound about the mandrel and supported thereby with free loops in the convolutions of the wire extending about the filament, an anode partially surrounding the grid loops and the filament, and a member disposed on the flat inner face of the mandrel to shield the mandrel against the attraction of the electrons.

2,416,800
HAND COVERING CUFF FOR BABIES
Berniece Moller, Oakland, Calif.
Application July 24, 1944, Serial No. 546,261
5 Claims. (Cl. 128—133)

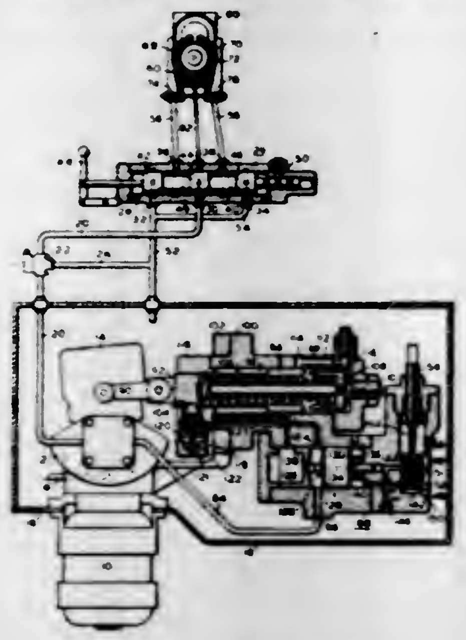


1. An open ended generally tubular relatively rigid hand covering cuff adapted to encircle the hand of a baby with the edge at one of the open ends thereof extending beyond the ends of the fingers of such hand, means adapted to cooperate with such hand for securing said cuff against slipping wristward from over the hand and for centering the cuff relative to such hand comprising a flexible elongated member extending transversely of the central axis of said cuff and positioned for extending between an adjacent pair of the fingers of such hand one of which is the middle finger; means connecting said member with said cuff.

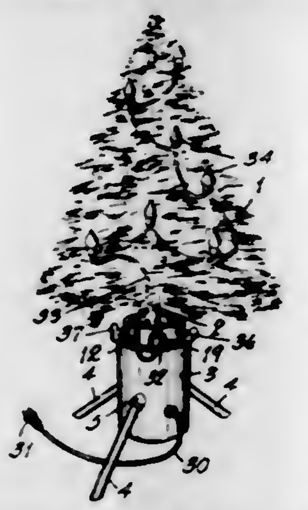
2,416,801
HYDRAULIC POWER TRANSMISSION
James Robinson, Detroit, Mich., assignor to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application July 1, 1942, Serial No. 449,213
4 Claims. (Cl. 60—53)

1. A fluid power transmission system comprising in combination a fluid pump and a fluid mo-

tor, a pump delivery regulator responsive to delivery pressure to normally maintain such pressure substantially constant, said regulator including a member normally biased toward the position of full pump delivery, a valve for reversing and bypassing the supply of fluid to the motor, and a pressure-released latch for detaining said regulator in reduced delivery position when the pump is by-passed, said latch being released by delivery pressure when the valve is shifted to motor operating position whereby the motor may be accelerated by the action of said regulator in moving to full delivery position.

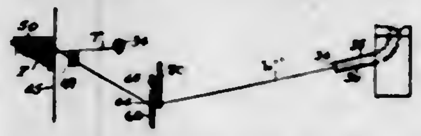


2,416,802
CHRISTMAS TREE HOLDER AND DISPLAY DEVICE
Walter A. Roung, Bangor, Mich.
Application February 3, 1944, Serial No. 520,955
5 Claims. (Cl. 248—45)



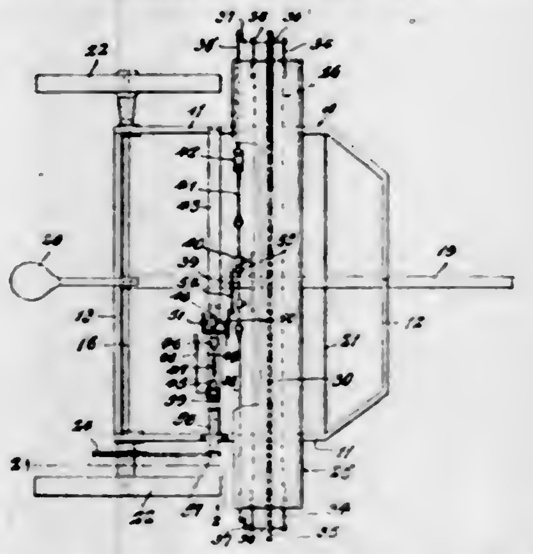
1. In a Christmas tree holder, the combination of an upright receptacle-like casing open at the top, a cross piece vertically spaced from the bottom of said casing and having a central opening therein, an electric motor arranged in said casing below said cross piece and provided with a speed reducing transmission unit having a driven shaft disposed centrally of said casing in alinement with said opening in said cross piece and provided with an upwardly facing coupling member, a receptacle-like holder arranged in said casing to project therefrom and provided with a downwardly projecting stub shaft releasably engageable with said coupling member and projecting through said opening in said cross piece said coupling permitting of relative vertical movement of said coupling and stub shaft while drivingly connected to each other, said holder having a conduit in the side wall thereof and a recess in the wall thereof at the lower end of said conduit, a thrust supporting bearing for said holder carried by said cross piece, means for supporting a Christmas tree or the like in an upright position within said holder, contact rings mounted on the underside of the bottom wall of said holder and provided with binding posts projecting into said recess in said holder, brushes mounted on said cross piece to coact with said contact rings, a socket arranged in said conduit and mounted on the side of said holder above said casing, and electrical connections for said brushes and from said contact ring binding posts to said socket.

2,416,803
THREAD CONTROL MECHANISM FOR WEFT REPLENISHING LOOMS
Richard G. Turner, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application August 26, 1944, Serial No. 551,287
3 Claims. (Cl. 139—257)



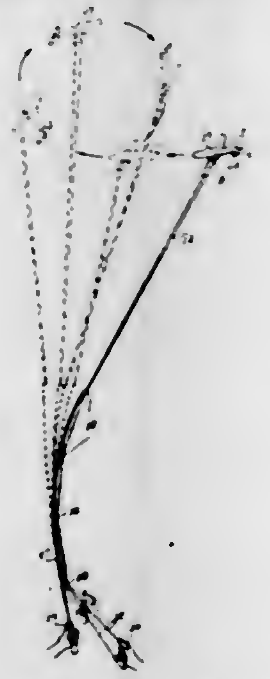
1. In a weft replenishing loom having a lay and a reserve bobbin transferred during a replenishing operation from a magazine into a shuttle which is subsequently picked away from the magazine, a pneumatic thread holder tending to draw said thread through an intake mouth thereof and into a thread passage therein, a stationary hook having a thread notch located on a straight line extending into said passage without touching the perimeter of said mouth, said hook having a rear edge extending upwardly and forwardly behind sair notch, means on said lay moving in a path below said notch and operative subsequent to said picking of the shuttle to move said thread up said edge and into said notch, and cutter mechanism operative thereafter to cut the thread at a point on that side of the hook opposite to said thread holder, whereupon said thread is drawn into said passage along said line.

2,416,804
SEEDING MACHINE DISCHARGER
Frederick Ulrich, Hoskins, Nebr.
Application July 11, 1945, Serial No. 604,479
4 Claims. (Cl. 275—9)



1. A seeding machine comprising a frame, a pair of traction wheels for support of said frame, a hopper transversely of the frame, said hopper having a base provided with a channel throughout the length thereof, said base further having a plurality of longitudinally spaced openings, guide rods in said channel at respective sides thereof, a chain disposed within the channel and supported by said guide rods, said chain having spaced upright plate members, a shaft at each end of said hopper, a sector gear on each shaft and in alignment with said chain for securement thereto, means on the frame for rocking each shaft, and means associated with one of said wheels for actuating said means.

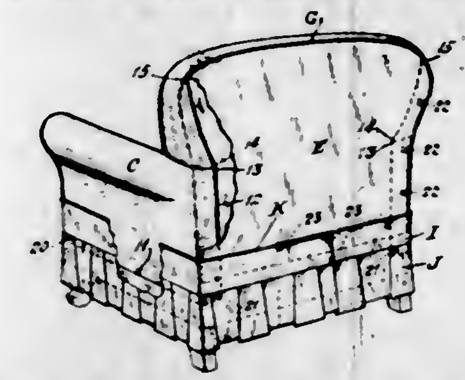
2,416,805
MANIPULATABLE TOY AIRPLANE
Nevilles E. Walker, Portland, Oreg.
Application March 4, 1943, Serial No. 477,949
3 Claims. (Cl. 46—77)



1. In the combination of a toy airplane having adjustable elevator control elements, an elongated handle adapted for manipulating and swinging said plane about a circular course, and remote control means including flexible lines operatively joined to the adjustable elevator control elements, guides extending along said handle, said lines extending through and slidably engaging said guides, and an elongated control member, said control member being separate from said handle, thereby enabling an operator quickly to shorten and lengthen the effective span of said lines extending between said handle and said airplane thereby to vary the effective diameter of the circular course traversed by the latter.

2,416,806
SLIP COVER
Theodore M. Waranch, Baltimore, Md., assignor to The Comfy Manufacturing Company, Baltimore, Md., a corporation of Maryland
Application August 8, 1944, Serial No. 548,542
2 Claims. (Cl. 155—182)

1. A slip cover having a body portion comprising covering panels for the back rest, rear, seat and arms of a chair, said rear panel being connected along its top edge to said back rest panel and having side edges unconnected to said back rest and arm panels, the upper part of said back rest panel, intermediate said arm panels and its connection with said rear panel, having such dimensions as to provide side edge portions adapted to be drawn around to the rear of the chair into underlapping relation with the unconnected side edges of said rear panel, said arm panels each having an inner edge secured to a side edge of said seat panel, a front edge connected from its inner end to a point short of its outer end to the side and top edges of a front face panel, and an outer edge and a rear edge unconnected and free from the body of the cover, a front face panel associated with each arm panel to form an arm compartment and having its side and top edges connected as aforesaid to the front edge of an arm panel, and its lower edge in substantial alignment with the front edge of said seat panel, the portion of the front edge of said arm panel that is unconnected to said front face panel extending from the latter's lower edge to the outer edge of such arm panel, whereby the outer end portions of the arm panels are unconnected and free from the body of the cover, the outer end portions of said arm panels having such length as to enable the free rear edges thereof to be drawn to the rear of the chair, fastening means provided on the side edges of said rear panel and adapted to secure the latter in overlapping relation on the portions of said arm and back rest panels that are drawn to the rear of the chair, and a skirt connected intermediate its ends to the front edge of said seat panel and the aligned lower edges of said front face panels and having two free ends of such length as to overlie the unconnected outer end portions of the arm panels and said rear panel and to come into overlapping relation at the rear of the chair, and means for adjustably connecting the overlapping ends of said skirt together.



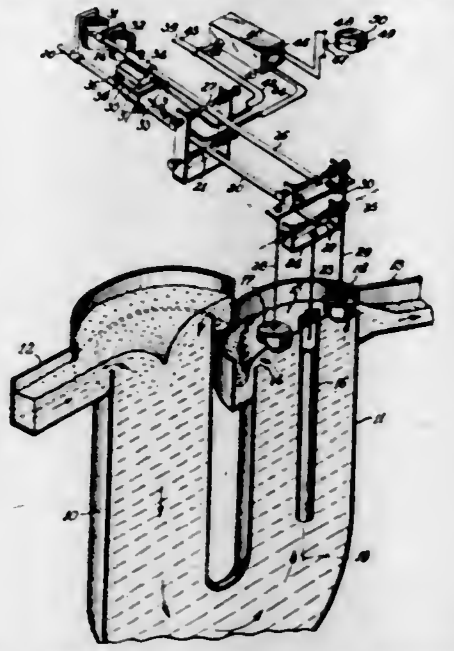
2,416,807
LUBRICANT
Franklin M. Watkins, Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
No Drawing. Application December 31, 1943, Serial No. 516,525
6 Claims. (Cl. 252—42.7)

1. A lubricating oil composition consisting principally of a petroleum lubricating oil fraction and containing in solution in said oil from about 0.05 to about 1%, by weight, of the reaction product of stearonitrile and a phosphorus sulfide of the group consisting of P_2S_5, P_2S_3, and P_4S_7.

2,416,808
APPARATUS FOR MEASURING THE DENSITY OF LIQUIDS
Oscar Weiss, Johannesburg, Transvaal, Union of South Africa
Application January 20, 1944, Serial No. 518,944
In the Union of South Africa October 28, 1943
4 Claims. (Cl. 73—33)

1. Hydrometer apparatus comprising means to present an air-liquid surface, a balance system

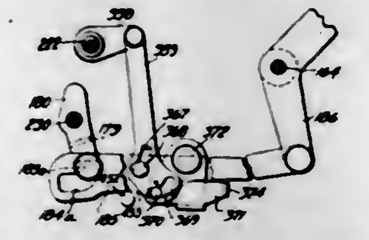
comprising two buoyant bodies of different immersion factors to float on said surface and a pair of similar balance beams to which said bodies are severally connected, said balance system adapted to displace said balance beams about equal angles on changes of the level of said air-liquid surface



and about differing angles on changes of the density of said liquid, a stationary measuring device and transmission means between said balance beams and said measuring device, said transmission means adapted to respond exclusively to the difference of said angular displacements but not to the angular displacements themselves.

2,416,809
SELECTIVE NORMALIZING MECHANISMS FOR CALCULATING MACHINES

Harold T. Avery, Oakland, Calif., assignor to Marchant Calculating Machine Company, a corporation of California
Application April 7, 1941, Serial No. 387,259
27 Claims. (Cl. 235—63)

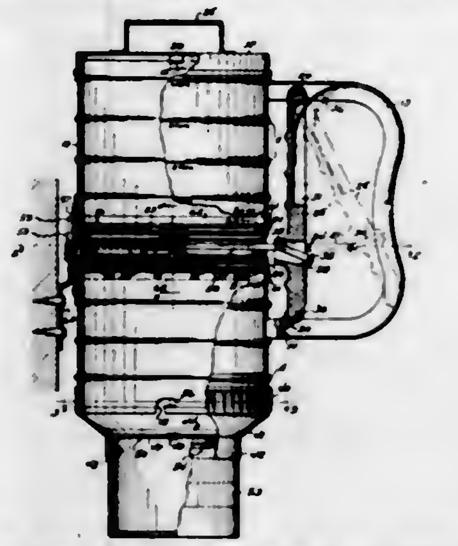


24. In a calculating machine having a plurality of operable mechanisms, each possessing an individual control train capable of being actuated to cause operation of its respective mechanism, a plurality of keys each operable to actuate its respective train and a master control element adapted to cause simultaneous actuation of all of said trains; the combination of a member adjustable to disable all of said trains, with a plurality of devices each individual to a respective train and each adjustable under the joint control of the member and the associated key to maintain the respective train in disabled condition.

2,416,810
FLOUR SIFTER

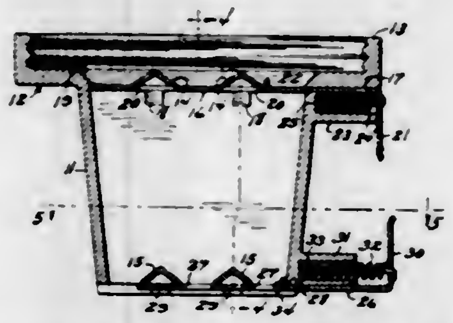
Theodore Bailey, Habana, Cuba
Application February 7, 1944, Serial No. 521,395
4 Claims. (Cl. 209—357)

1. In a sifter having a hollow body, an elongated guide loop mounted transversely in the body, supporting plates on the body, a rotatably supported shaft extending through and supported by the plates, a pair of screens fixed to opposed ends of the shaft outwardly of and parallel with the guide loop, a segmental gear fixed to the intermediate portion of the shaft, and a looped slide member mounted to reciprocate on the guide loop having a longitudinal portion providing a rack engaging the teeth of the gear for oscillation of the gear and screens upon reciprocation of the slide.



2,416,811
DEVICE FOR MEASURING AND DISPENSING GRANULAR AND PULVERULENT MATERIALS

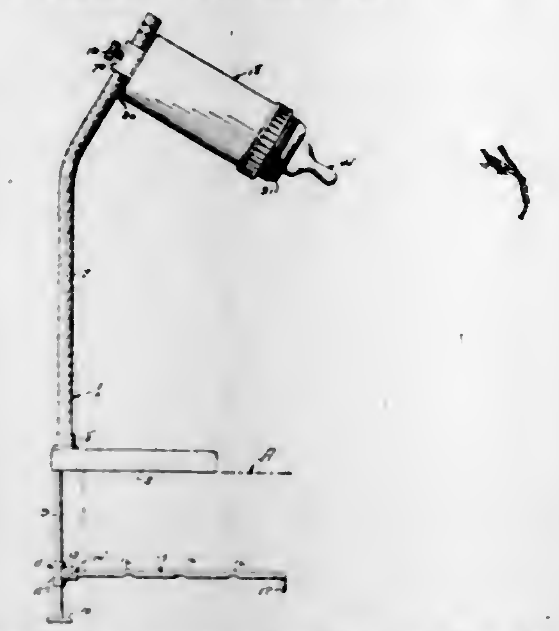
Theodore Bailey, Habana, Cuba
Application April 4, 1944, Serial No. 529,514
1 Claim. (Cl. 222—450)



A measuring and dispensing device for an inverted open mouth container, comprising a hollow body open at its upper and lower ends, means on the upper end of the body adapted to secure the body to the container with the open upper end of the body in registration with the mouth of the container, a plurality of inverted V-shaped baffle members formed at the upper and the lower ends, said baffle members being spaced from each other and from the sides of the hollow body forming openings therebetween and extending substantially the length of said baffle members, guide means beneath and adjacent said baffle members, valve plates slidably supported in said guide means and slidably contacting the underside of said baffle members, said valve plates extending transversely of said openings and having portions extending through one wall of the body, said valve plates having openings registering with the openings between the baffles when the valve plates are in opened position and registering with the baffles when the valve plates are in closed positions, finger pieces carried by said portions of the valve plates and extending therefrom toward each other, barrels on said wall of the body in close parallel relation to the extended portions of the valve plates, springs within the barrels with their inner ends secured to the barrel and with their outer ends secured to the finger pieces, the springs normally holding the valve plates in closed position and the finger pieces contacting with the barrels to limit the movement of the valve plates by the springs, and lugs carried by the valve plates within the body adapted to contact with said wall of the body to limit the opening movement of the valve plates.

2,416,812
BABY'S MILK BOTTLE AND HOLDER

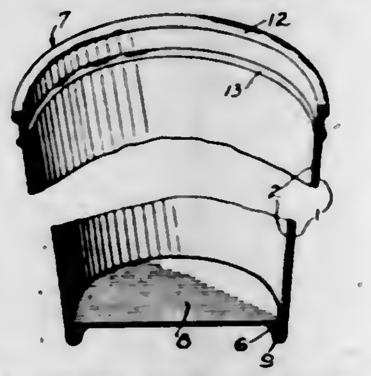
Theodore Bailey, Habana, Cuba
Application June 7, 1944, Serial No. 539,130
2 Claims. (Cl. 248—104)



1. A support for nursing bottles of the type having an adjustable standard supporting a bottle holder, comprising a clamping attachment including a top plate to which the adjustable standard is attached, a pair of rods fixed to the top plate on its under side and depending in spaced parallel relationship, a carriage slidably mounted on the rods, and a U-shaped clamping member on the carriage and slightly offset in an upward direction from a right angular position with respect to the rods to frictionally engage the carriage with the rods when the clamping member is moved to clamping position.

2,416,813
CONTAINER

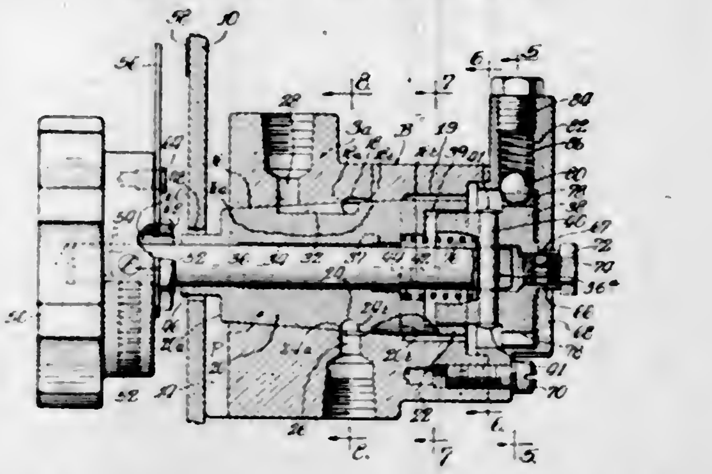
Cesare Barbieri, New York, N. Y., assignor to Dixie Cup Company, Chicago, Ill., a corporation of Delaware
Original application May 5, 1941, Serial No. 391,859. Divided and this application March 17, 1944, Serial No. 526,874
2 Claims. (Cl. 229—21)



1. A flat-bottom paper cup having a double-ply wall, including a flanged bottom member, and a body part comprising a composite blank made up of initially separate pieces arranged in echelon, a protruding margin of one piece only being turned about the flange of the bottom member, and a protruding margin of the other piece only being shaped into a rolled rim around the mouth of the cup.

2,416,814
DIVERTING SWITCH

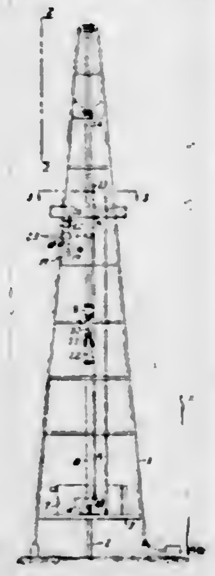
Felix W. Borse, Oak Park, and Henning S. Hermanson, Deerfield, Ill., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application May 6, 1944, Serial No. 534,506
20 Claims. (Cl. 251—101)



1. In a diverting switch of the character disclosed, a valve body having a tapered bore, a tapered valve plug therein, a spring biasing said valve plug toward seated position in said bore, a control shaft for rotating said valve plug and extending into the small end thereof, said small end having a bearing for said control shaft, and means at the large end of said valve plug for loosely connecting the inner end of said control shaft therewith, said means comprising a head having an off-center tongue and keyway connection with said valve plug and a loose cross pin connection with said control shaft.

2,416,815
DRILL PIPE MANIPULATOR

Ingram X. Calhoun, Oklahoma City, Okla.
Application January 14, 1946, Serial No. 641,149
9 Claims. (Cl. 214—1)

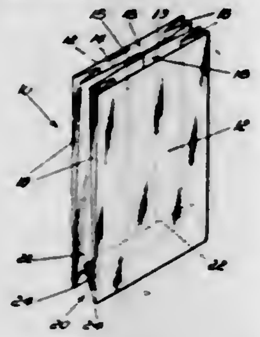


2. Hydraulic pipe holding and racking apparatus adapted to be mounted in a well derrick and comprising a cylinder having a hollow piston rod, a head on said rod having a stationary and movable work engaging jaws, means normally contracting said movable jaws, hydraulic means

overcoming the resistance of said contracting means to open said jaws, means for introducing fluid under pressure through said hollow piston rod and supplementing said first means for exerting a closing force on said jaws, hydraulic means for effecting longitudinal displacement of said hollow piston rod, means for hydraulically raising and lowering said cylinder and means for hydraulically rotating said cylinder on a vertical axis.

2,416,816
BAG

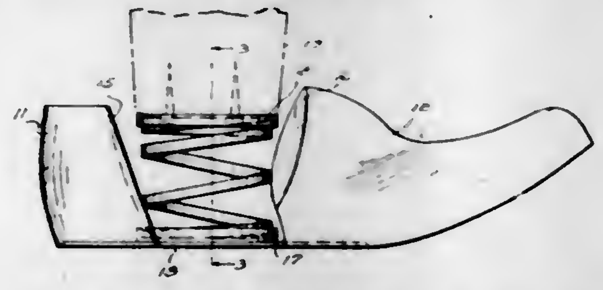
Leo Campagnano, Rockaway Park, N. Y.
Application December 9, 1943, Serial No. 513,531
10 Claims. (Cl. 229—56)



1. A bag comprising two compartments disposed in side by side relation, each of said compartments comprising inner and outer side walls integral with each at the bottom of the bag, the material of said inner and outer side walls being folded at the bottom of the bag transversely thereof along a plurality of laterally spaced lines of fold and providing the bag with a bottom common to both of said compartments and having inwardly extending portions foldably connected along said laterally spaced lines, whereby said bottom is expansible and contractable in a direction extending between said side walls of the bag, each of said compartments having opposite end walls disposed between said inner and outer walls of the companion compartment and comprising longitudinal portions folded inwardly from the longitudinal edges of said inner and outer side walls whereby each of said compartment is expansible and contractable in a direction extending between said inner and outer side walls thereof.

2,416,817
ARTIFICIAL LIMB

Edwin C. Carter, Rio Grande City, Tex.
Application March 5, 1945, Serial No. 580,975
1 Claim. (Cl. 3—7)



A joint for artificial limbs including spaced foot and heel portions, a ground engaging plate secured to said foot and heel portions, a compressible coil spring secured to the upper surface of said plate being engageable with the adjacent edges of said foot and heel portions for limiting the movement of said limb, an end cap secured to the upper end of said spring, and a leg portion secured to said end cap.

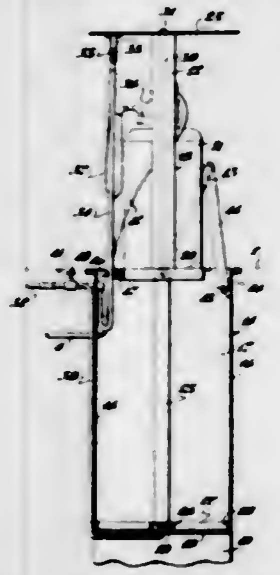
2,416,818
MANUFACTURE OF ALKALINE EARTH SULPHONATES

John C. Carter, Concord, Calif., assignor to Tide Water Associated Oil Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application February 26, 1944, Serial No. 524,067
6 Claims. (Cl. 260—504)

1. A process of preparing calcium sulphonate which comprises: reacting sodium mahogany sulphonate with a highly concentrated aqueous solution of calcium chloride at a temperature above 240° F. and separating calcium sulphonate from the reaction mixture.

2,416,819
CONCEALED LUBRICANT DISPENSING DEVICE

Kenneth S. Clapp, Cincinnati, Ohio
Application December 22, 1943, Serial No. 515,206
6 Claims. (Cl. 222—160)

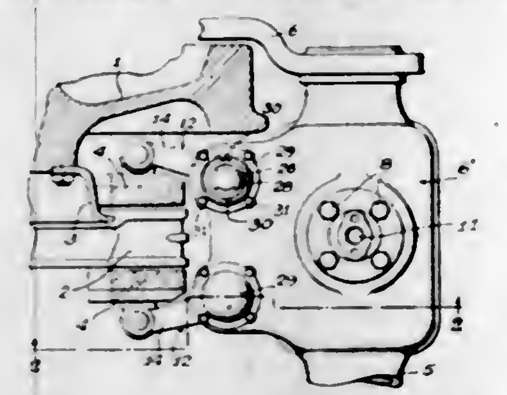


1. A concealed lubricant dispensing device comprising an elevator having a platform on which drums of lubricant are adapted to be disposed, said elevator disposed in a recess, said recess countersunk below floor level, a cover plate for the elevator adapted to occupy a position substantially flush with the floor when the elevator is in "down" position, means for operating the elevator to dispose the platform with the drums of lubricant at floor level when in elevated position and the cover plate at floor level when in "down" position, means for removing lubricant from each of said drums, said means attachable to and detachable from the drums to permit the changing of drums, horizontal conduits below floor level extending to the wall of the recess in which the elevator is disposed, flexible connections between said latter means for removing the lubricant from the drums and adjacent ends of said horizontal conduits, and flexible means secured to the other ends of the horizontal conduits for conveying the lubricant to a point of use.

2,416,820
BRAKE ARRANGEMENT

Joseph H. Coombes, Detroit, Mich., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 25, 1944, Serial No. 565,074
8 Claims. (Cl. 188—59)

1. In a brake arrangement, a support comprising a closed housing having spaced bearings in opposite walls thereof, and a brake lever pivotally supported in said spaced bearings, said lever comprising an arm extending outside the housing for cooperation with a non-rotary brake element and a pivot portion engaging said bearings and integral with said arm, and a second arm non-rotatably but slidably secured to the pivot portion between said bearings and extending within the housing for cooperation with an actuator, the bearing remote from said first-named arm being provided with quick detachable means accessible from the exterior of the housing for securing said pivot portion in operative relation with the housing.



2,416,821
BACTERIOSTATIC SUBSTANCES

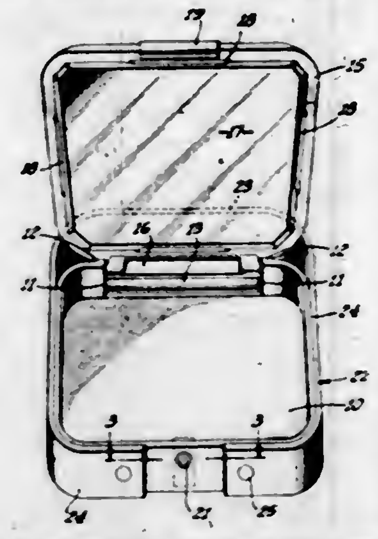
Charles Edward Coulthard, Wallace Frank Short, and Robert Michaelis, Nottingham, England, assignors to Therapeutic Research Corporation of Great Britain Limited, London, England, a British company
No Drawing. Application October 9, 1942, Serial No. 461,498. In Great Britain October 14, 1941
10 Claims. (Cl. 195—35)

7. A process for the production of a substance having bacteriostatic activity, which comprises inoculating a culture medium with a strain of *Penicillium notatum* which possesses the property, when grown on a Czapek-Dox culture medium containing 4% of glucose, of maintaining the culture medium on the acid side for a period of fourteen days during its growth, incubating the inoculated medium under the acid conditions resulting from the action of the mold, filtering the medium while acid, concentrating the filtrate by freezing out a proportion of the water and precipitating the concentrate with an organic solvent.

2,416,822
HANDBAG

Walton B. Crane, Beverly Hills, Calif., assignor to Allied Plastics Company, Los Angeles, Calif., a partnership composed of Dwight C. Hirsh and Harry G. Long
Application August 6, 1945, Serial No. 609,258
9 Claims. (Cl. 132—79)

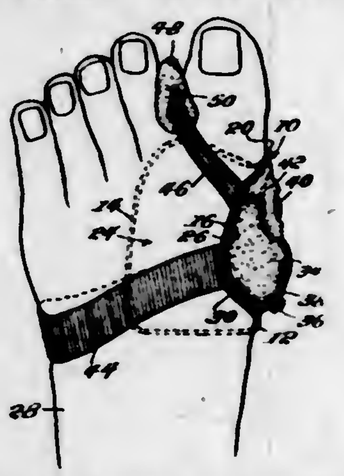
1. A handbag having a flat box-like rigid body open on one side of greatest dimension and having one end wall partially cut away to form a recess therein and marginal flanges laterally of said recess on the outer side of said wall, a rigid cover proportioned to rest upon the upper margin of the walls of said body and having a downwardly extending marginal flange adapted to fit within said recess, pivotal supports for said cover connecting the said marginal flange thereof with said lateral marginal flanges of said recess, and a rigid handle on the same end of said body as said pivotal supports, said handle having a center portion and end straps rigidly affixing said handle to said body, said end straps extending around the corners of said body on the end opposite said pivotal supports and extending upwardly above the upper margin of said body to conceal the juncture of said body and said cover, said end straps being curved inwardly to the said center portion



and adapted by their converging curvature to engage the corners of said cover when said cover is open and to then hold said cover at an outward inclination and spaced from said center portion sufficiently to permit the insertion of fingers therebetween.

2,416,823
FOOTPAD

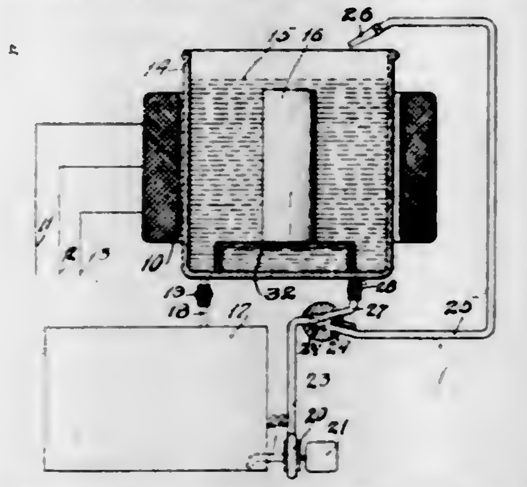
Jeremiah C. Day, Lexington, Ky.
Application February 27, 1946, Serial No. 650,510
1 Claim. (Cl. 128—81)



A device of the character described for application to the foot of a human being in a position below the head of the sesamoid bones of the first metatarsal articulation and adjacent the enlarged joint of the foot comprising a pad having a dividing medial line of stitching for dividing said pad into an oval shaped section for contact with said foot below the head of the sesamoid bones and an oval shaped section for contact with the enlarged joint of the foot, pockets in said sections, openings in said pockets, padding in said pockets adapted to be inserted through said pockets to vary the thickness thereof, an opening in the section in contact with the enlarged joint of the foot adapted to surround a corn or callous on said foot to relieve pressure therefrom, an elastic band secured at one end to the section in contact with the foot below the head of the sesamoid bones adjacent the lower edge thereof and to the section in contact with the enlarged joint adjacent the lower edge thereof, a second elastic band connected to the upper edge of the section in contact with the foot below the head of the sesamoid bones and to the medial portion of the section contacting the enlarged joint for retaining said device on the foot and a substantially triangular shaped pad adjustably mounted on said last mentioned elastic band for spreading the great toe of the foot.

2,416,824
METHOD AND MEANS FOR MAGNETIC INSPECTION

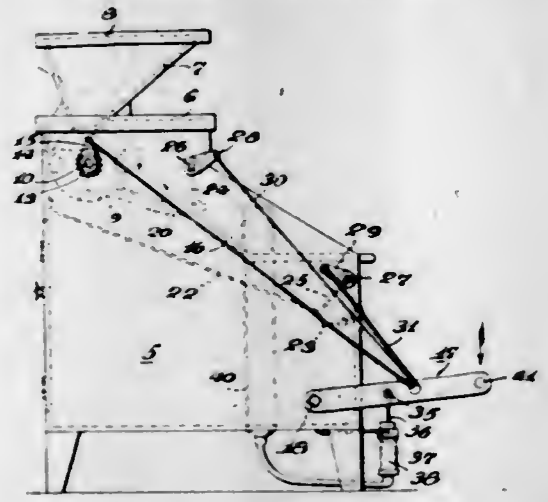
Taber de Forest, Chicago, Ill., assignor to Magnaflux Corporation, Chicago, Ill., a corporation of Delaware
Application July 22, 1942, Serial No. 451,850
8 Claims. (Cl. 175—183)



8. Apparatus for magnetically testing a paramagnetic object for flaws and other defects comprising a polyphase wound magnetizing coil arranged to produce a rotating magnetic field, means for connecting said coil to a source of polyphase alternating current, whereby a rotating magnetic field is set up in said coil defined by diametrically disposed north and south poles which rotate about a major axis of the object, means for supporting the object to be tested within the magnetic field set up by said coil, and means for distributing paramagnetic particles on the surface of said object while it is magnetized.

2,416,825
FEEDER AND EXERCISER

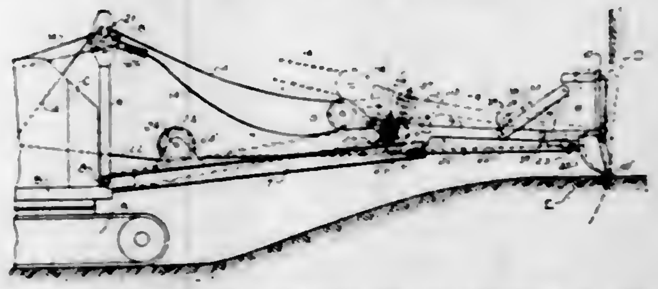
Clinton Dowling, Bethesda, Md., assignor of eight per cent to John K. Althaus, eight per cent to Robert K. Althaus, sixteen per cent to Raymond A. Vogeley, and sixteen per cent to Carl R. Meininger
Application March 13, 1944, Serial No. 526,239
4 Claims. (Cl. 119—55)



1. A feeder and exerciser comprising a housing having a plurality of doorways one arranged above the other, a feed holder arranged in the housing immediately adjacent each doorway, valves controlling said doorways, and means including a depressible member arranged exteriorly of the housing and operatively connected to said valves for holding one valve in closed position while the other valve is in open position and vice versa.

2,416,826
EXCAVATOR APPARATUS

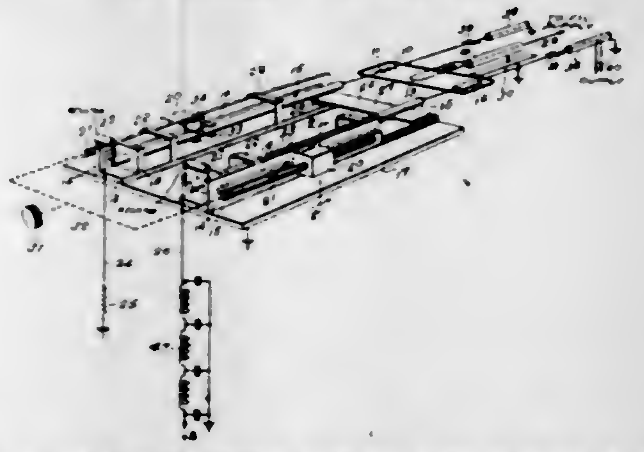
Felix A. Gallaher, Seattle, Wash., assignor to William J. Gallaher, Seattle, Wash.
Application December 3, 1945, Serial No. 632,404
4 Claims. (Cl. 214—138)



1. An excavating apparatus including a hoisting boom, a digging hoe, a stick connected to the hoe and having offset connection to the end of the boom, a cable to be operatively connected to the rear end of the stick above the junction of the boom therewith, a member connected to the end of the cable and pivotally connected to the stick in rear of the pivotal connection of the stick and boom to draw the top of the stick for facilitating movement of the hoe for digging downwardly, a drag line for drawing the hoe downwardly and operating in line with the pivot between the pivot between the boom and stick, and a coil spring operating between the boom and stick in rear of the pivot between the parts for moving the hoe for downward digging, said spring being automatically extended when the cable is slackened to move the rear end of the stick to space the rear end of the stick relative to the boom to remove the drag line out of direct-line connection with the stick carrying end of the hoe to avoid hoe to facilitate operation of the drag line.

2,416,827
TRANSMISSION LINE HAVING DEAD-END PORTION

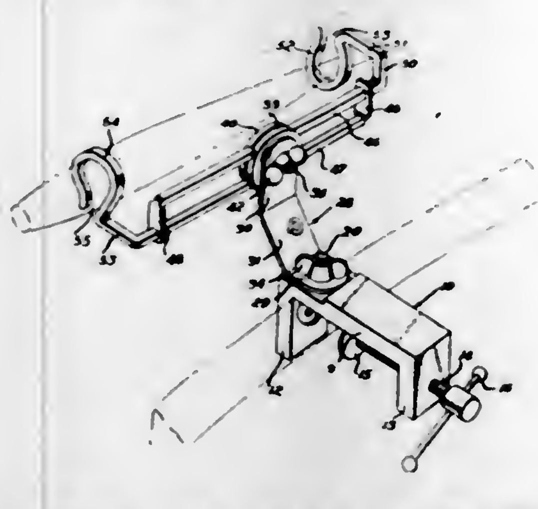
Ralph W. George, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application June 9, 1943, Serial No. 490,225
10 Claims. (Cl. 250—36)



6. A high frequency system comprising a vacuum tube having a pair of cold electrodes, individual tunable transmission lines for said cold electrodes, each of said lines having substantially along its entire length one conductor connected through a path of low impedance at radio frequency to ground, and a capacity providing still lower impedance between those ends of said last conductors which are nearest said cold electrodes.

2,416,828
FISHING ROD HOLDER AND FLY TYING VISE

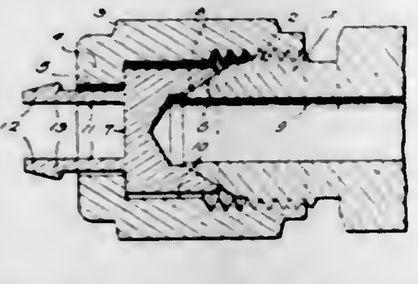
Glenn L. Hamre, Billings, Mont.
Application June 1, 1946, Serial No. 673,756
2 Claims. (Cl. 248—42)



1. A fishing rod holder and fly tying vise which includes a substantially U-shaped clamp bracket adapted to be clamped to a support, a bracket arm mounted for pivotal adjustment on said bracket and a pair of clamp plates mounted for pivotal adjustment on said arm about an axis perpendicular to the axis of the pivot connecting the arm to the bracket.

2,416,829
CLOSURE CAP FOR TUBE FITTINGS

Emmett C. Hartley, Cleveland, Ohio, assignor to The Parker Appliance Company, Cleveland, Ohio, a corporation of Ohio
Application December 29, 1944, Serial No. 570,364
3 Claims. (Cl. 138—89)

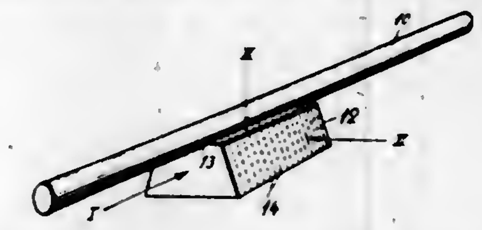


1. A closure cap for a tube fitting comprising a fitting member having a tapered seat adapted to receive the flared end of a tube and a bore opening through said seat, a nut having a threaded connection with said fitting and an opening therethrough, and a closure cap disposed within and movable in said nut and having a sealing surface shaped to conform to the seat on the fitting for the closing of the fitting when the nut is threaded onto the same, said cap having yieldable devices adapted to engage said nut for securing said cap and nut together as a unit, and said nut and cap having cooperatively engageable shoulders effective upon threading of the nut onto the fitting member to force the cap into sealing contact with said seat.

2,416,830
IRON-GRAPHITE CONTACT

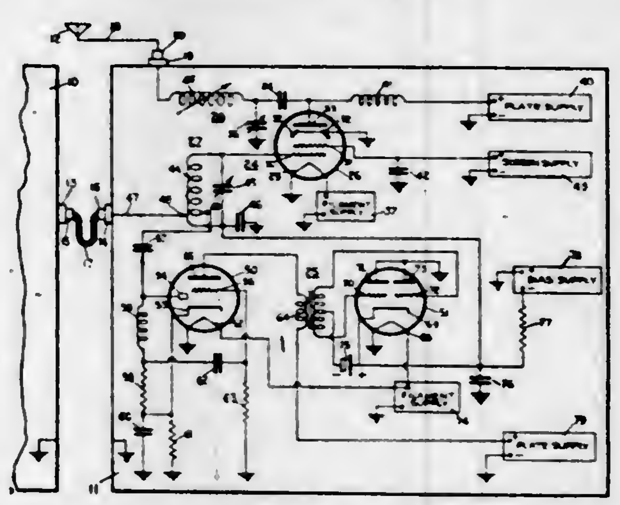
Josef Friedrich Heuberger, Stockholm, Sweden
Application November 28, 1942, Serial No. 467,242
In Sweden December 22, 1941
1 Claim. (Cl. 191—59.1)

A sliding contact comprising substantially a pressed mixture of powdered metal and graphite, the graphite being in the form of scales so oriented that the scales lie in planes substantially perpendicular to the wearing surface of said contact.



2,416,831
RADIO TRANSMITTER AMPLIFIER

Donald L. Hings, Ottawa, Ontario, Canada, assignor to Electronic Laboratories, Inc., Indianapolis, Ind., a corporation of Indiana
Application August 8, 1942, Serial No. 454,083
In Canada August 6, 1942
2 Claims. (Cl. 250—17)



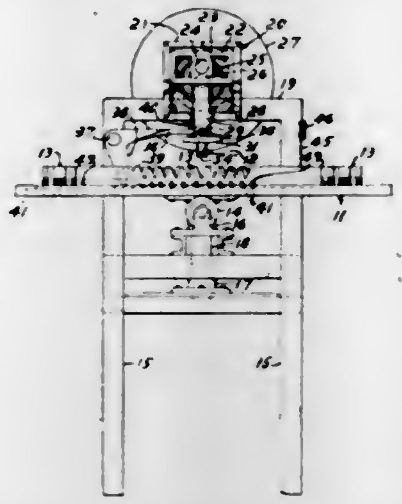
1. The combination with a housing having a source of modulated radio frequency therein and a terminal extending through the housing for conducting the source of modulated radio frequency to the outside of the housing, and a radio frequency wave emitting load circuit arranged to be connected to said terminal, of a radio amplifier comprising a radio frequency amplifier circuit having an input and an output, means for disconnecting said load circuit from said terminal and connecting same to said output, a feed line shielded from the emitting load circuit for connecting said input to said terminal, an expansion control circuit energized from said terminal and arranged to increase the power supplied by said radio frequency amplifier circuit during modulation, and a common ground circuit for the source of modulated radio frequency and for the radio amplifier.

2,416,832
NAIL STRAIGHTENING MACHINE

George Delbert Hulburt, Los Angeles, Calif., assignor to Twentieth Century-Fox Film Corporation, Los Angeles, Calif., a corporation of New York
Application May 25, 1943, Serial No. 488,365
2 Claims. (Cl. 153—48)

1. In a nail straightening machine, a rotary table having a plurality of dies adapted to receive bent nails with their pointed ends projecting out of the dies, a shoe adapted to reciprocate into and out of said dies, means operable by the movement of said shoe to intermittently rotate said table to register successive dies with said shoe

so that pressure may be exerted upon nails in said dies by said shoe, and a member operable



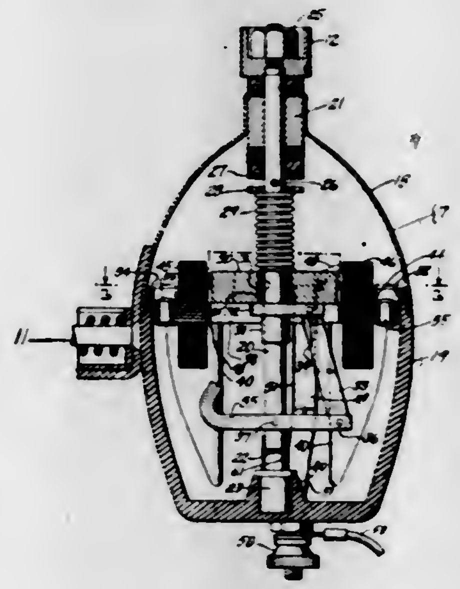
by the movement of said table to strike said projecting ends and drive the nails out of the dies.

2,416,833

BICYCLE GENERATOR

Morris Katcher, New York, N. Y., and Nat C. Greene, Fairfield, Ill., assignors, by mesne assignments, to Harris Trust and Savings Bank, Chicago, Ill., a corporation of Illinois, as trustee

Application December 1, 1944, Serial No. 566,158
3 Claims. (Cl. 171—209)



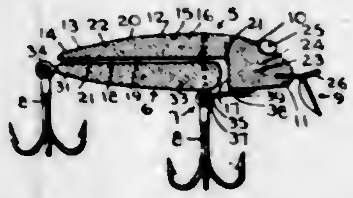
1. A bicycle generator having a housing formed of an open ended metal shell and an open ended casing, the shell and casing being fastened end on at their open ends with the shell overlapping the outside of the casing, a laminated field frame mounted in the casing substantially at its open end, field coils mounted on the frame, a permanent magnet armature adapted to rotate by the coils, contacts insulatively mounted in the housing and projecting to the outside of it, one terminal of each coil being connected to one of the contacts, and metal strip contacts, each of the metal strip contacts being attached at one end to the other terminal of a coil and at its other end coming between the shell and the casing at their overlap, a rivet fastening each strip at an intermediate portion to the field frame, said rivets extending through the field frame for holding its laminations together.

2,416,834

ARTIFICIAL FISH BAIT OR LURE

John S. Kuslich, St. Paul, Minn.

Application May 23, 1944, Serial No. 536,989
9 Claims. (Cl. 43—46)



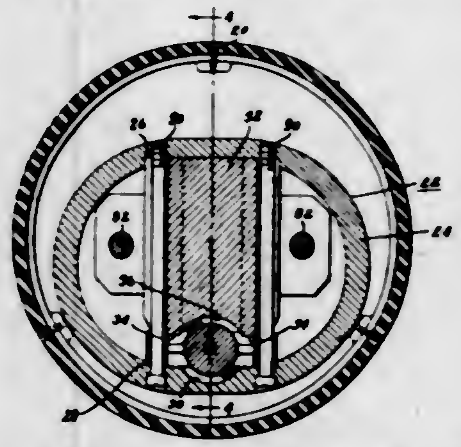
1. In an artificial fish lure, a major body section simulating the head and upper body and tail portions of a fish, said section having a downwardly, transversely and rearwardly opening recess extending from rearwardly of said head, a minor body section, simulating the lower body and tail portions of a fish, disposed in said recess, and a vertically-disposed pivot connecting said sections.

2,416,835

ELECTRICAL MEASURING INSTRUMENT

Frederick J. Lingel, Bluffton, Ohio, assignor to The Triplett Electrical Instrument Company, Bluffton, Ohio, a corporation of Ohio

Application October 6, 1944, Serial No. 557,493
5 Claims. (Cl. 171—95)



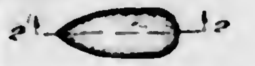
1. A ring, a permanent magnet having ends, one end abutting a side wall of the ring, the other end of said magnet and the opposite side of the wall of the ring having arcuate portions and lateral surfaces on opposite sides of said arcuate portions, at least two frame members, a movement, a means for supporting said movement on said frame members, said frame members each having a pair of surfaces of the same configuration as said lateral surfaces and constructed and adapted to form a close fit with each other whereby to form a uniform air gap between said movement and said arcuate portions.

2,416,836

MOLD-BLANKETING MATERIAL

Alryc U. McGill, Stuttgart, Ark.

Application September 16, 1942, Serial No. 458,563
1 Claim. (Cl. 22—188)



A mold blanketing material consisting of reduced, intermingled and interconnected portions of untreated rice hulls so as to produce a body which in its aggregate form has a weight of substantially seventeen to twenty-one pounds to the cubic foot and in which all of said portions are of a form to prevent substantial relative shifting with respect to each other, one-third portion

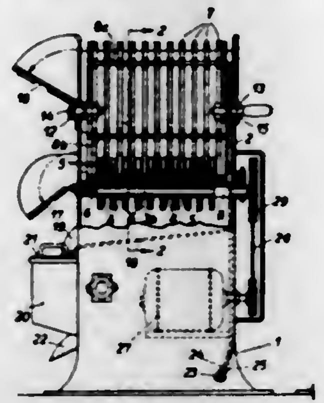
of said reduced hulls being shredded to produce particles of one-fourth size that are long, narrow and longitudinally curved, and the remaining two-thirds portions of the reduced hulls being transversely divided and of a size not less than one-sixth of said untreated rice hulls.

2,416,837

ABRADING MACHINE FOR PEELING POTATOES

Josef Meyer, Dietikon, Switzerland

Application April 15, 1943, Serial No. 483,147
In Switzerland May 2, 1942
2 Claims. (Cl. 146—49)



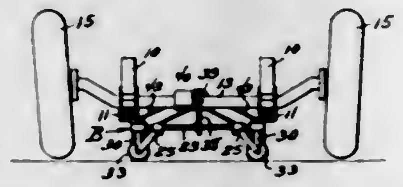
1. A machine for peeling fruits and agricultural products comprising a series of rings spacedly and rotatably mounted on a horizontally extending axis and interconnected by means of rods carried in brackets located inwardly of the rings, said rings serving as a container for the material to be peeled, said brackets and rods aiding said material to be kept in motion, means between the rings for spacing them from each other, at least one series of peeling discs spacedly and rotatably mounted on a shaft located outside of the rings and extending parallel to said axis, said shaft and peeling discs being arranged so that portions of the peeling discs project between the rings into the container, and means for rotating said peeling discs and container-forming rings.

2,416,838

PARKING DEVICE

Abba Miller, Cleveland, Ohio

Application March 11, 1944, Serial No. 526,031
1 Claim. (Cl. 180—1)



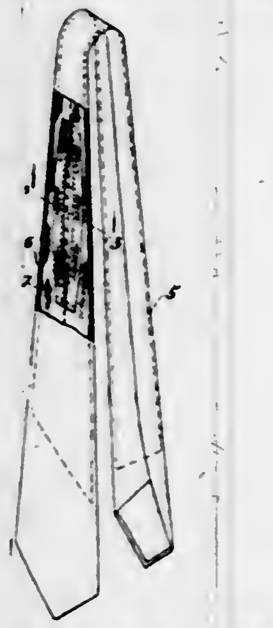
A mechanism of the character described, comprising a frame composed of pairs of parallel opposed bars, a cross-strut connecting the bars of each pair in spaced relation to each other, upwardly extending saddles at the upper ends of said bars for attachment to the axle of an automobile, bearings on the lower ends of said bars, a guide rod mounted in one of said bearings of each pair, a feed screw mounted in the other of said bearings, a travelling runner mounted on said feed screw and said guide rod, a screw feed hub on one end of said runner for mounting the end on the feed screw, and a smooth bore hub on the opposite end for mounting this end on the guide rod, bearings on the lower ends of said bars at right angles to said first mentioned bearings, a drive shaft in said bearings, links pivotally connected to said last mentioned bearings, other links pivotally connected to said screw hub and to said small bore hub, said links pivotally connected to each other and to an axle at their opposite ends, wheels mounted on said axle, sprocket wheels on said shaft and said axle in alinement with each other, a sprocket chain on said sprockets, and a sprocket on said feed screw adapted to be connected to a source of power whereby said feed screw is rotated to raise and lower the axle of said automobile through relative movement of said links.

2,416,839

NECKTIE

Frederick P. Muhlhauser, Rochester, N. Y., assignor, by mesne assignments, to Superba Cravats, Rochester, N. Y., a copartnership consisting of Herman M. Cohn, Julian Wiley, Sr., Harold Shrier, Harry S. Cohn, Irving Lerner, Julian Wiley, Jr., H. W. Lewine, and said Muhlhauser

Application August 30, 1940, Serial No. 354,845
12 Claims. (Cl. 2—146)



1. A necktie comprising a necktie envelope, a lining member enclosed within said envelope, said lining member having a member of elastic material secured to one face thereof, one of said members including strip-like sections secured to the remaining member at spaced points with the sections at said spaced points adjacent each other, the portion of said sections intermediate said points being spread apart and secured to said remaining member.

2,416,840

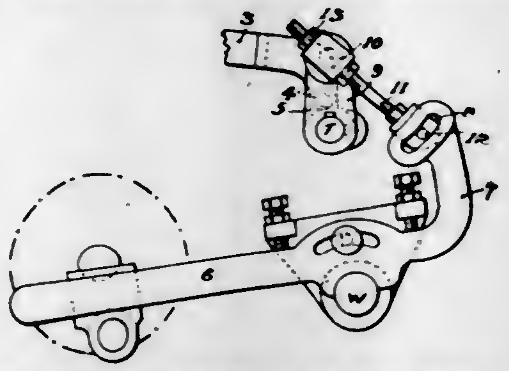
COMBING MACHINE FOR TEXTILE FIBERS

John William Nasmith, Heaton Mersey, Manchester, England

Application October 14, 1942, Serial No. 461,959½
In Great Britain June 26, 1941
4 Claims. (Cl. 19—116)

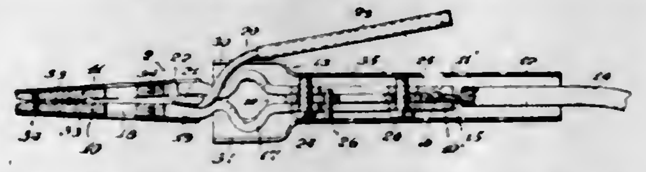
1. In a textile combing machine, a movable top comb carrier, an oscillatable top comb driving shaft, transmission means between such shaft and the top comb carrier, oscillated driving means for the said shaft, a transmission rod pivoted between such driving means and the top comb shaft, and a lever mounted upon one of the oscillated members such lever having an arcuate slot therein, said slot extending substantially radially in respect to the axis of said one oscillated member, with which slot one end of the

transmission rod adjustably engages, the arc of such slot being struck from the point of connection of the transmission rod with the other



oscillated member when the top comb is in its most forward position and such rod forming a radius from its pivotal point at all adjusted positions of its end within the slot.

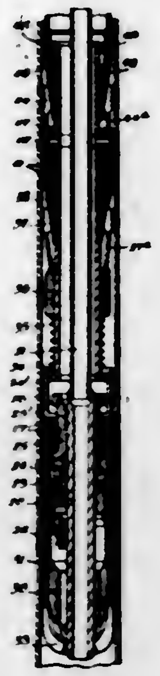
2,416,841
ELECTRODE HOLDER
Frank J. Nowicke, Hanover, Md.
Application June 19, 1944, Serial No. 541,059
2 Claims. (Cl. 219—8)



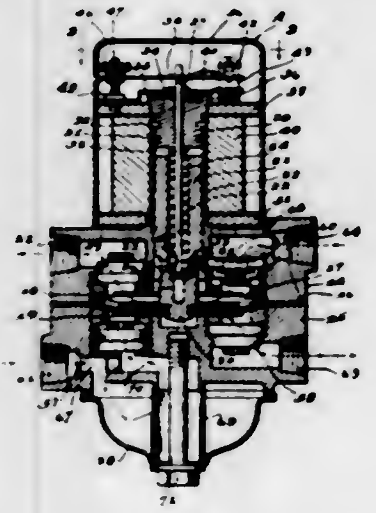
1. An electrode holder comprising a pair of substantially identical jaw members having electrode receiving jaw ends and cable receiving securing ends connected to the jaw ends by resilient bowed portions, a perforated insulating handle member extending about said cable receiving securing ends and adapted to be secured thereto, said insulating handle having a belled portion extending forwardly about the resilient bowed portions of the jaw members, said belled end being flattened and perforated on its sides and slotted at its top and bottom, a cam member located between said jaw members adjacent said bowed portions, a lever extending through an elongated slot in one of said jar members for operating said cam to separate said jaws to electrode receiving position, said lever extending through one of the slots of the belled end of said insulating handle, an extending toe on said lever beyond said cam extending into the elongated slot of a jaw member to prevent accidental rotation of said lever, a spacing bar separating the cable receiving securing ends of said jaw members, and a metal fastening member extending about the end of the cable and clamped between the ends of the cable receiving ends of said jaw members to provide a good electrical and mechanical connection between said cable and said electrode holder.

2,416,842
WELL CEMENTING APPARATUS
Charles M. O'Leary, Houston, Tex., assignor to Herbert C. Otis, Dallas, Tex.
Substituted for abandoned application Serial No. 339,483, June 8, 1940. This application July 1, 1941, Serial No. 400,642
4 Claims. (Cl. 166—1)

1. In a well cementing apparatus, a member selectively positionable in a well and having a passage therethrough and a back pressure valve closing said passage, packing means around said member, a cementing tube communicating with said passage of the member for discharging cement into the well bore below said member, and an elastic boot around the lower portion of said member having a normally closed yieldable section through which cement may be forced below the member.

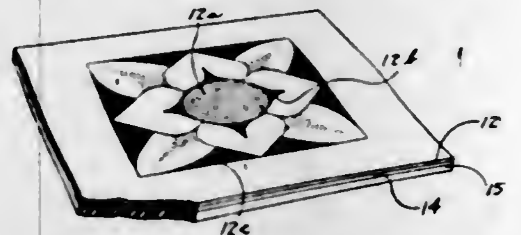


2,416,843
ELECTROMAGNETIC PUMP FOR INTERNAL-COMBUSTION ENGINES
John B. Parsons, Toledo, Ohio, assignor to Malcolm W. Fraser, trustee, Toledo, Ohio
Original application March 3, 1943, Serial No. 477,841. Divided and this application November 10, 1943, Serial No. 509,676
5 Claims. (Cl. 103—53)



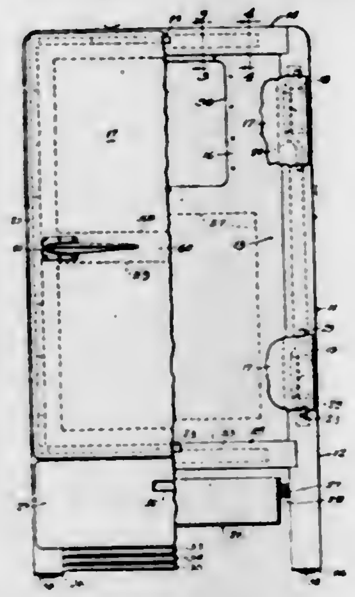
1. A fuel pump of the type having a pumping chamber of constant displacement, a diaphragm operable in said chamber, means for actuating said diaphragm in one direction and spring means for actuating said diaphragm in the opposite direction, said pump comprising a pair of inlet and outlet valves on opposite sides of the diaphragm whereby upon actuation of said pump in one direction fluid is drawn through the inlet valve on one side of the diaphragm, while fluid on the other side of the diaphragm is discharged through the outlet valve, said valves being spring tensioned and the outlet valve on the feed side having a slightly stronger spring to counteract the additional force of the fluid head.

2,416,844
ORNAMENTATION OF RUBBER
Thomas S. Reese, University Heights, Ohio, assignor to The Di-Noc Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application February 23, 1942, Serial No. 431,927
3 Claims. (Cl. 41—33)



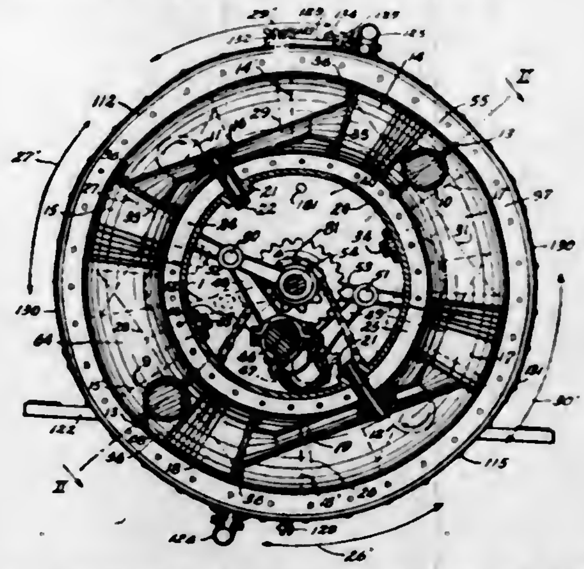
1. A transfer comprising a backing sheet detachably carrying a design consisting essentially of a thin layer composed throughout of substantially pure uncured rubber and pigment, without vulcanizing agents or accelerators, and a thin layer of substantially pure rubber without vulcanizing agents or accelerators, overlying said design.

2,416,845
REFRIGERATOR CABINET
William Edward Richard, Evansville, Ind., assignor, by mesne assignments, to Seeger-Sunbeam Corporation, a corporation of Minnesota
Application February 25, 1942, Serial No. 432,285
2 Claims. (Cl. 312—146)



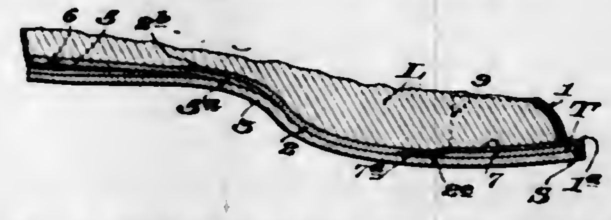
1. A refrigerator cabinet constructed of a pair of side panels, a top panel, a rear panel and a bottom panel, the said rear panel being formed with an aperture for receiving a mechanical refrigeration unit, and the said bottom panel being disposed above the lower ends of the side panels and engaging the lower end of the rear panel to form a drawer space below said bottom panel, and a door panel hingedly mounted on one of said side panels for closing the front of said cabinet, all of said panels being constructed of an outer layer and an inner layer of rigid fibrous and porous insulating material, the said inner and outer layers being spaced and joined about the borders of each panel by a plurality of intermediate laminations of said fibrous insulating material, forming a chamber in each panel between the inner and outer layers and inside the border laminations said chamber being filled with loose fibrous insulating material, the said laminations providing solid and rigid portions adjacent to the edges of each panel, through which the panels are secured together by means of diagonally extending threaded fastening means.

2,416,846
OSCILLATING PISTON INTERNAL-COMBUSTION ENGINE
Charles Richter, Tampa, Fla.
Substituted for abandoned application Serial No. 402,063, July 12, 1941. This application November 20, 1944, Serial No. 564,288
7 Claims. (Cl. 123—18)



6. An internal combustion motor of the oscillating piston type having a central cylindrical member provided with radial webs formed on their outer surfaces with annular channels, outer members secured to the central member and each having an annular channel cooperating with the channel on the adjacent web of the central member to form a toroidal chamber coaxial with the central cylindrical member, two diametrically opposite valve casings extending transversely of each of the chambers to define combustion chamber ends, the end wall of each chamber having intake and exhaust ports formed therein, a rotary valve in each casing formed with intake and exhaust ports registering with the cooperating ports in the casing, plates forming end walls for the cylindrical central member to form a closed chamber, a shaft supported by the end plates axially of the chamber, a crank shaft extending longitudinally of the chamber and having two cranks, two rings, each slidably mounted for oscillation upon the inner surface of the chamber and each having a connecting rod pivotally connected therewith and with one of the cranks, and oppositely directed pistons carried by each of the rings in each of the halves of the toroidal chambers for oscillation toward and from the valve casings in paths limited by their connections with the crank shaft.

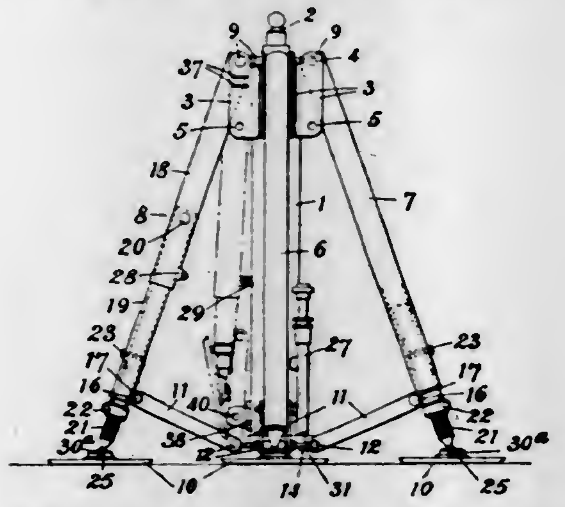
2,416,847
STITCHDOWN SHOE
Henry G. Rosenzweig, Kirkwood, N. Y., assignor to Endicott Johnson Corporation, Endicott, N. Y., a corporation of New York
Application November 23, 1945, Serial No. 630,205
12 Claims. (Cl. 36—16)



1. In a stitchdown shoe, an outturned upper; a box toe within the upper having its margins turned in; a toe-piece conforming with the width of the box toe and having its sides overlying the inturned margins of the box toe, said toe-piece

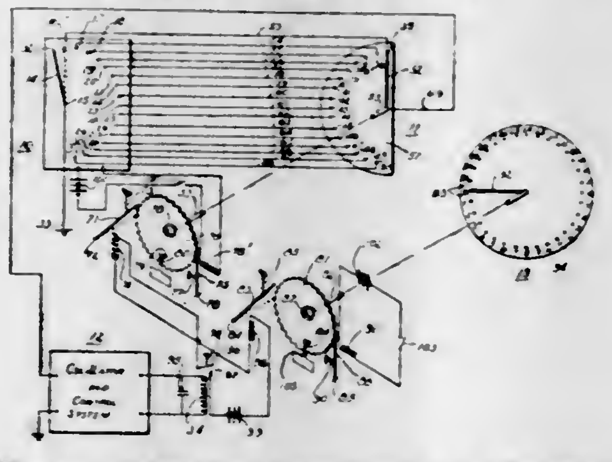
extending from the tip of the toe to substantially the tip-line of the vamp and having a loose rear end portion; a middle sole provided with a transverse slot adjacent the tip-line of the vamp through which the loose rear end portion of the toe-piece extends thereby interlocking therewith; and means securing the margin of the middle sole to the outturned portion of the upper.

2,416,848
LIFTING JACK
James Stewart Rothery, Ilford, England
Application February 23, 1944, Serial No. 523,570
In Great Britain February 23, 1943
2 Claims. (Cl. 248—352)



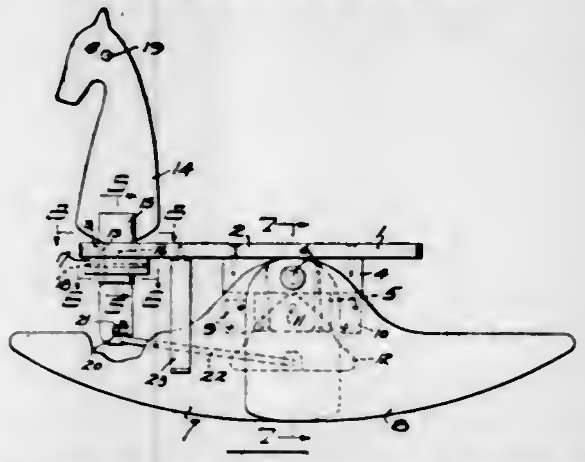
1. A lifting jack comprising a jack body, including bipod legs, a trail leg and a fourth leg, the axes of said bipod legs being in the plane containing the axes of the jack body, said trail leg and said fourth leg being at opposite sides of the said plane and said fourth leg being movable to an out of the way position when said trail and bipod legs are in an in use position, anchoring means for connecting bracing members to said jack body whereby two jacks may be connected together, said anchoring means being located at that side of the jack at which the removable leg is located and said means comprising elements adapted to secure said braces to the jack in detachable manner.

2,416,849
ELECTRIC INDICATING AND TOTALIZING APPARATUS
Harold W. Schaefer, Chicago, Ill., assignor to The Harry Alter Company, Chicago, Ill., a corporation of Illinois
Application January 28, 1942, Serial No. 428,536
8 Claims. (Cl. 177—351)



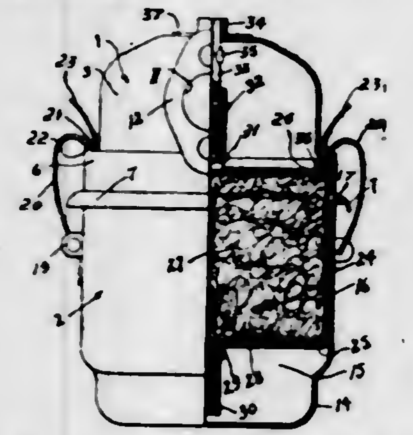
1. The combination comprising a plurality of spaced condenser plates, a device having a first movable conductive element reciprocable past said condenser plates and in spaced relation thereto and adapted to form with each of said plates, one at a time, a complete condenser, a second movable conductor element normally movable in one direction only to successively make contact with said condenser plates, one at a time, for the energization of said plates, one at a time, a source of current in circuit connection with said second movable element, means normally urging said second movable element in an opposite direction of movement, means normally resisting movement of said second movable element in the opposite direction of movement, means including said first movable element and said second movable element and said condenser plates to effect movement of said second movable element in said one direction in response to movement of said first movable element in only one direction of movement thereof, and means operable at will to release said second movable element for urged movement in the opposite direction of movement.

2,416,850
ROCKING HORSE
Lawrence Schott, Detroit, Mich.
Application February 2, 1946, Serial No. 645,029
20 Claims. (Cl. 272—53)



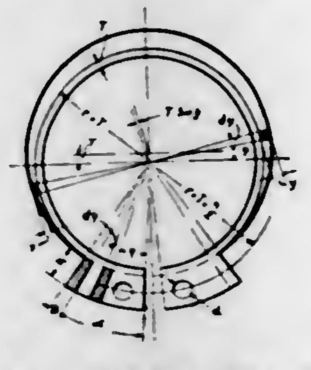
1. A rocking horse including a frame having a seat thereon, a member mounted on the frame for movement about a horizontal axis, a front and a rear rocker pivoted on each side of the frame, and control means actuated by movement of said member in one direction or the other for restricting pivotal movement of both front or both rear rockers respectively.

2,416,851
AIR CLEANER
Joseph B. Sebok, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application January 2, 1943, Serial No. 471,135
6 Claims. (Cl. 183—15)



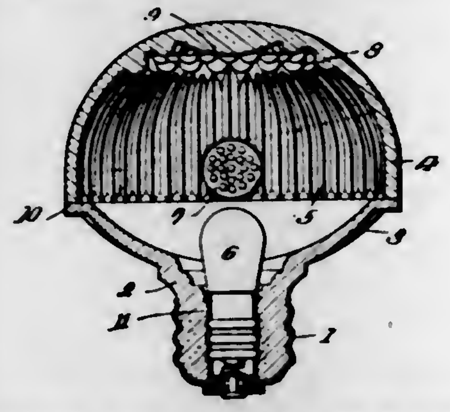
1. In an air cleaner, a casing having spaced inlet and outlet openings and shaped to define a liquid sump, a removable filter element in said casing in the path of air traveling from the inlet to the outlet, means to hold said filter element in position within the casing, and means projecting from said filter element to limit the movement of the element in the event the element becomes free, the last said means also being connectable to the first said means with the filter element in inverted position, said filter element being arranged to function with equal efficiency in either position.

2,416,852
RETAINING RING
Louis W. Schaaff, Jackson Heights, Heinrich Heimann, New York, and Hugo Wurzel, Bronx, N. Y., assignors to Waldes Koh-I-Noor, Inc., Long Island City, N. Y., a corporation of New York
Application December 17, 1942, Serial No. 469,382
1 Claim. (Cl. 287—52)



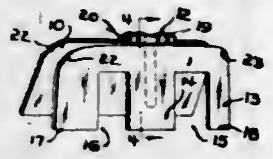
A self-balanced retaining ring comprising an open-ended spring ring, the section height of which progressively diminishes towards its open ends, the open ends being formed as radially outwardly protruding legs each having a tool aperture therein, the ring body proper and the legs having uniform axial thickness throughout, the legs having radial depth which is no greater than the maximum section height of the ring body proper, whereby the legs conform to the permissible clearance diameter of the ring, and having angular width of dimension such that in rotation of the ring the resultant of the centrifugal force proportional to leg area which is exerted on the legs equals the resultant of the centrifugal force exerted on the ring body proper, whereby the ring is balanced about its axis of rotation.

2,416,853
INCANDESCENT LAMP
Emanuel C. Smally, Canton, Ohio
Application October 19, 1942, Serial No. 462,471
3 Claims. (Cl. 240—41.3)



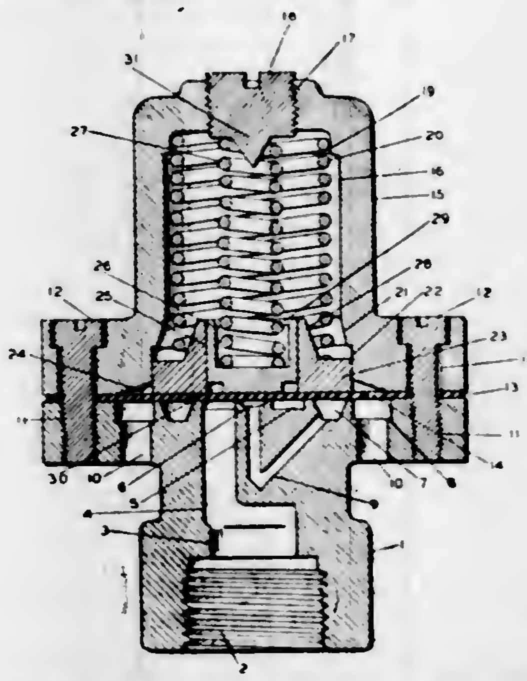
1. A lighting device of the character described, comprising a molded transparent base member having an external screw threaded metal sleeve, incandescent illuminating means secured within said member, an upper globe section of molded transparent material, said base member and upper globe member being of different colors, said members being joined at their meeting edges to form a hollow unit, one of said members having a section with a portion to reflect light as a safety factor.

2,416,854
STEEL FOR HAWAIIAN GUITARS
Frank J. Smith, Colchester, Conn.
Application April 27, 1945, Serial No. 590,539
7 Claims. (Cl. 84—319)



1. A guitar steel comprising a bar having an uninterrupted bottom edge, another bar having two spaced slots in its bottom edge, each slot being of a width sufficient to cover two guitar strings, said slots being separated by a finger sufficient in width to cover three guitar strings and a finger at the outer side of each of said slots and hinge means connecting said bars while permitting relative movement of said bottom edges of said bars there being spring means between said bars normally urging said bars apart at their bottom edges.

2,416,855
HIGH-PRESSURE DIAPHRAGM RELIEF VALVE
Theodore A. St. Clair, Pontiac, Mich., assignor to Phillips Petroleum Company, a corporation of Delaware
Application November 9, 1943, Serial No. 509,594
7 Claims. (Cl. 137—53)



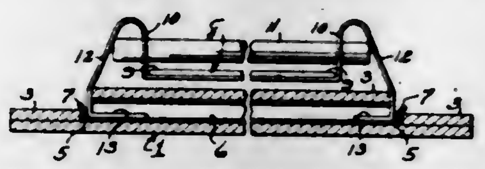
5. A relief valve for a source of pressure fluid comprising in combination a body having an inlet and two chambers, a conduit supplying pressure fluid from said inlet to the first of the chambers, and a conduit communicating with the atmosphere all formed in said body, first valve means opening at a predetermined pressure of said fluid in said first chamber, said valve when open providing passage for said pressure fluid to the second of said chambers, second valve means controlling flow between the second of said chambers and the conduit communicating with the atmosphere and between said first and

second chambers, said second valve means being constructed and arranged to open at a pressure lower than said predetermined pressure whereby pop action is provided in the opening of the relief valve.

2,416,856

BINDER

Hugo Thomsen, Washington, D. C.
Application March 26, 1945, Serial No. 584,883
6 Claims. (Cl. 281—19)

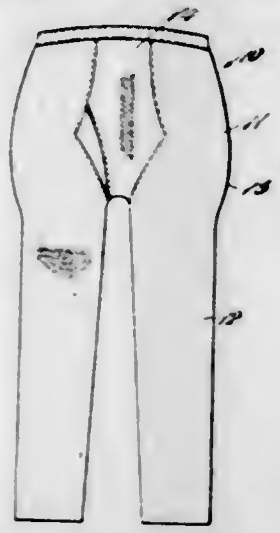


6. A binder and holder for pads and the like, comprising a cover part, a hollow back bar engaged with the cover, a flat retaining strip attached at its ends to the back bar to hold the same in place on the cover, and provided with upwardly and downwardly bent end portions forming supports, tongues on said bent end portions, bent to engage in the ends of the back bar, lips at the ends of the back bar bent to form retainers for the tongues a rod carried between the supports, said rod being pivotally and detachably engaged with the supports and a notebook retaining device carried on the rod.

2,416,857

SLEEPING GARMENT TROUSERS

Benjamin H. Trinkel, Providence, R. I.
Application August 3, 1944, Serial No. 547,836
4 Claims. (Cl. 2—237)



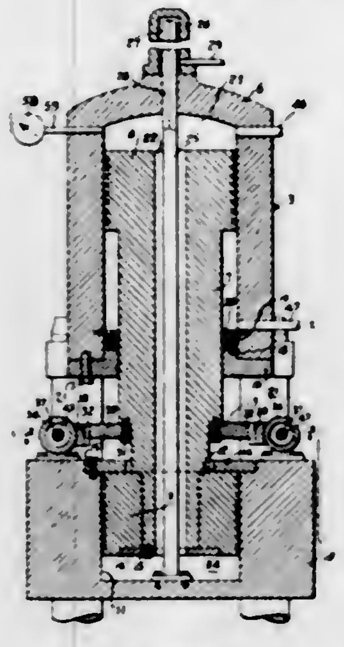
1. In a sleeping garment, a body portion having sections extending from the waist to the crotch about the hips with at least one section of said body portion formed of elastically extendible material to draw all of said sections snug about the waist and hips of the wearer, and leg portions extending from the body portion of non-elastic material and of a size to be loose on the limbs of the wearer.

2,416,858

HYDRAULIC TESTING APPARATUS

Warren R. Tucker, Dayton, and Walter Ernst, Mount Gilead, Ohio, assignors to H-P-M Development Corp., Wilmington, Del., a corporation of Delaware
Application January 20, 1944, Serial No. 518,966
12 Claims. (Cl. 73—94)

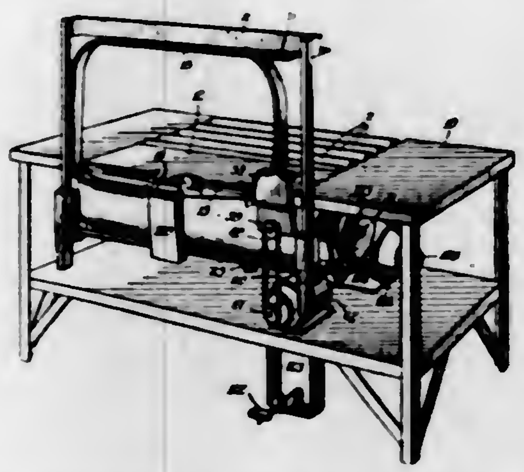
4. A hydraulic press comprising a movable platen for applying pressure to materials and having a cylinder bore therein, a stationary cylinder having a cylinder bore of equal diameter to that in said platen, a plunger having a pair of opposed pistons of equal surface areas, one of said pistons extending into said cylinder to form work producing and retraction chambers therewith and the other of said pistons extending into the bore in said platen to form a work producing chamber therewith, a passageway extending through said plunger and continuously and unrestricted interconnecting said work producing chambers, means for rotating said plunger with respect to each of said cylinder and platen when pressure fluid is introduced into any one of said chambers for eliminating friction between the pistons and said cylinder and platen, and means for alternately introducing fluid under pressure into said work producing chambers and said retraction chamber.



2,416,859

AUTOMATIC WIRE TYING MACHINE

Willard F. Vining, Chicago, and Martin L. Rowe, Oak Park, Ill., assignors to Gerrard Steel Strapping Company, a corporation of Delaware
Application December 23, 1940, Serial No. 371,334
27 Claims. (Cl. 100—31)

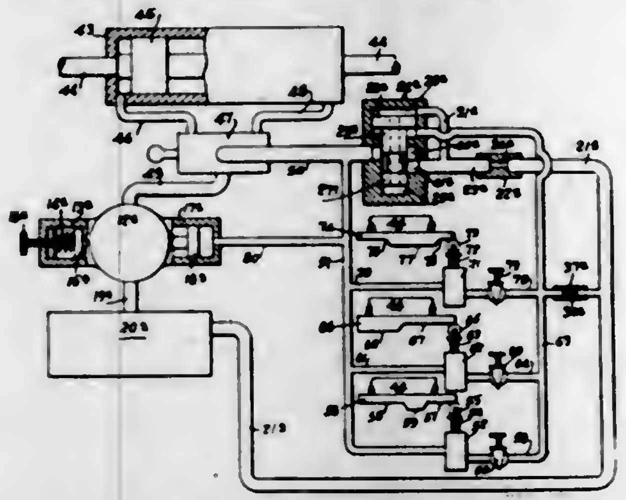


1. In a machine of the character described, a track which is looped in the form of a flat helix with the delivery end of the track offset with respect to the receiving end of the same, means for feeding wire into the track, means for removing the wire laterally from one of the ends of the track and bringing the offset ends of the wire together, and means for thereafter connecting said ends.

2,416,860

REMOTE CONTROL FOR HYDRAULIC SYSTEMS

George A. Waldie, Edison, Ohio, assignor to The Hydraulic Development Corporation, Inc., Wilmington, Del., a corporation of Delaware
Application May 8, 1943, Serial No. 486,115
11 Claims. (Cl. 60—52)

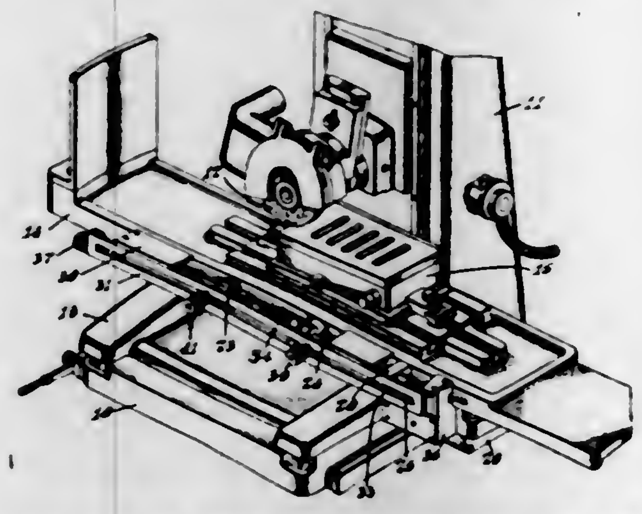


1. In a hydraulic system, a fluid source of variable delivery, fluid operable motor means having its inlet connected with said source to receive actuating fluid therefrom, a first conduit means connecting the outlet of said motor with exhaust and including a fixed restriction adjacent said exhaust and a variable restriction adjacent said motor outlet, a second conduit means connecting said motor outlet with exhaust and including a fixed restriction adjacent said exhaust and an adjustable restriction adjacent said motor, means automatically operative in response to variations in pressure at the inlets of said fixed restrictions for varying said variable restriction, and means responsive to the pressure at said motor outlet for varying the delivery of said fluid source.

2,416,861

TABLE REVERSING MECHANISM FOR GRINDING MACHINES

Stephen E. Woodbury, Beverly, Mass., assignor to Reid Brothers Company, Inc., Beverly, Mass., a corporation of Massachusetts
Application November 23, 1945, Serial No. 630,242
8 Claims. (Cl. 51—92)

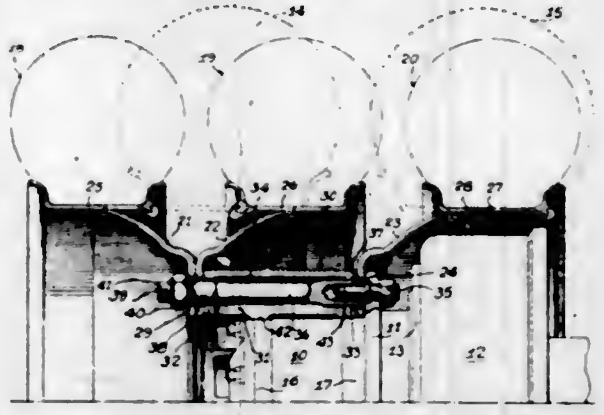


1. A grinding machine having a grinding wheel and a reciprocatory table carrying a projecting cam roll, a rock shaft disposed parallel to the path of said table, a pair of cams with oppositely inclined operating faces adjustably mounted on said shaft with the said cam roll located between them, and a reversing switch for the table connected to and operated by said rock shaft.

2,416,862

TRIPLE WHEEL

Paul E. Baker, Grosse Pointe Farms, Mich., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 23, 1944. Serial No. 541,774
3 Claims. (Cl. 301—36)

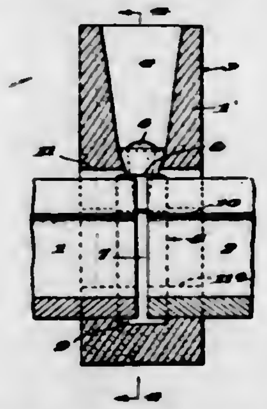


1. A triple wheel organization comprising a hub having a radial bolting-on flange, three disc wheel bodies each having a radially extending mounting portion provided with an annular series of equally spaced openings surrounded by reentrant seats, an adapter ring having outboard and inboard radial walls, each provided with a corresponding annular series of openings, said ring spacing certain of said wheel bodies, and means for demountably securing said wheel bodies and adapter ring together and to said hub flange, said means comprising an annular series of fastenings secured to the hub flange and extending through the aligned openings in the mounting portions of said wheel bodies and said adapter ring, each fastening comprising a threaded stud secured to said hub flange, a nut having an abutment at its inner end mating with the reentrant seat of the adjacent wheel body and adapted to be screwed onto said stud, said nut extending through the adapter and therebeyond, through the openings in the outboard radial wall of the adapter ring and the adjacent wheel body or bodies, and a second nut having an abutment mating the reentrant seat of the adjacent wheel body and adapted to be screwed onto a screw threaded portion of said first-named nut.

2,416,863

PREHEATING METHOD FOR WELDING RAILS AND MOLD THEREFOR

Edward F. Begtrup, Elizabeth, N. J., assignor to Metal & Thermit Corporation, New York, N. Y., a corporation of New Jersey
Application June 29, 1944, Serial No. 542,653
10 Claims. (Cl. 22—116)

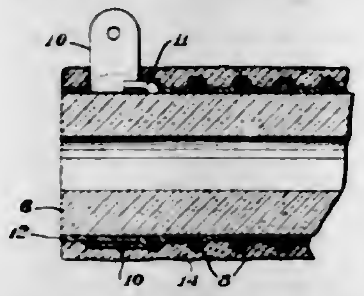


6. A mold for the aluminothermic welding of metal parts of irregular cross section having at least one portion of larger cross section than another portion, which comprises mold parts

adapted to surround and enclose the ends of two of such metal parts which are alined end to end, said mold parts forming a mold cavity enclosing the resulting joint and defining a fusion collar-forming space about said joint, a preheating gate connected with said mold cavity and at least one pair of preheating vents extending from said mold cavity laterally out of the mold on either side along and in contact with said portion of larger cross section, whereby the preheating of said portions tends to be equalized.

2,416,864
METHOD OF COATING WIRE-WOUND ELECTRICAL RESISTORS

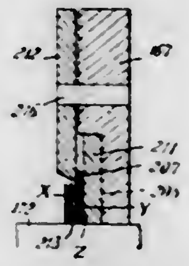
Burton C. Bricker, Rahway, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application August 22, 1944, Serial No. 550,635
3 Claims. (Cl. 201—67)



1. The method of making wire-wound electrical resistors which comprises applying to a core wound with resistance wire a coating of a slip comprising an aqueous suspension of a clay taken from the group consisting of kaolin clay and ball clay, and bentonite in a proportion of 98% to 50% clay and 2% to 50% bentonite, the slip being sufficiently fluid to flow between the wire windings and to drain from the spaces between windings to leave a substantially uniform coating on the surfaces contacted, drying said coating, applying a coating of a vitreous enamel slip over said dry clay-bentonite coating, drying said enamel slip, and firing said enamel.

2,416,865
MACHINE FOR FORMING AND WINDING FIN STRIPS

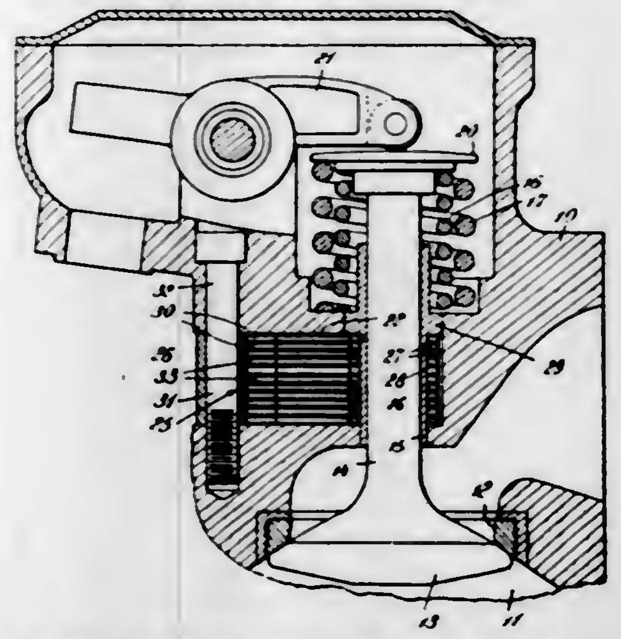
Wilhelm B. Bronander, Montclair, N. J.
Application January 20, 1944, Serial No. 519,012
5 Claims. (Cl. 153—2)



5. A machine for forming and winding double walled fins which comprises a plurality of successively acting feeding and folding means for feeding and bending a strip of material intermediate its longitudinal edges to form a fin having substantially parallel walls, a mandrel, means for securing the advance end of the double walled fin strip to the mandrel, means for rotating and moving the mandrel axially to wind the fin strip around the mandrel, and means disposed substantially in alinement with the path of feed of the strip for exerting frictional pressure on the walls of the strip as it is wound on the mandrel, said pressure means including a plate frictionally engaging the back wall, a spacing strip between the walls and an adjustable pressure plate frictionally engaging the front wall.

2,416,866
VALVE COOLING MECHANISM

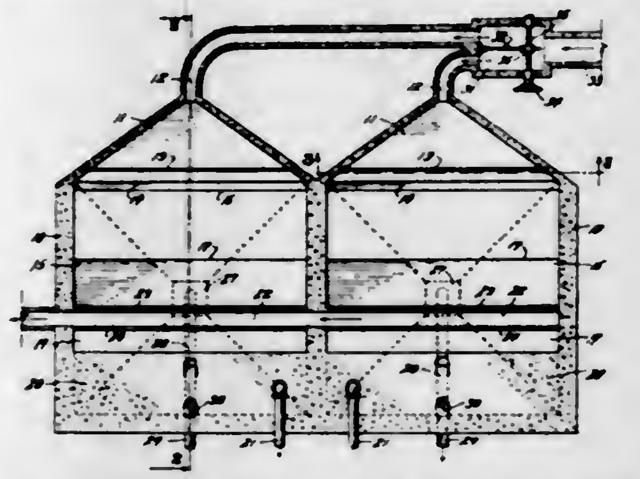
Wilhelm B. Bronander, Montclair, N. J.
Application October 24, 1944, Serial No. 560,164
2 Claims. (Cl. 123—171)



1. In an internal combustion engine, a valve stem, a valve stem guide, and a cooling fin unit in heat conducting contact with the guide and comprising a plurality of spaced fins having flanges at the outer portions of the lateral free edges thereof forming spacers between the fins, the outer edges of the fins being substantially unobstructed and having free access to the cooling air.

2,416,867
COMBINED SEWAGE SETTLING AND DIGESTING TANK HAVING AN INCLINED APRON DISCHARGING INTO THE TANK, AN EFFLUENT CHANNEL, AND AN INVERTED V-SHAPED BAFFLE EXTENDING ACROSS THE TANK BETWEEN THE APRON AND THE CHANNEL

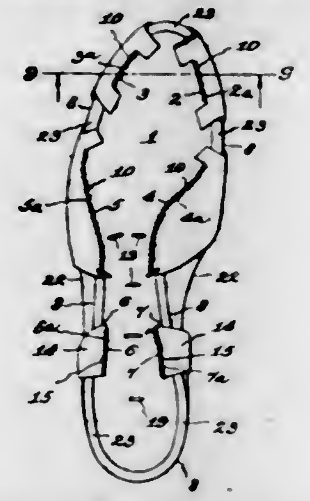
Carroll H. Coberly, Denver, Colo.
Application September 6, 1943, Serial No. 501,441
10 Claims. (Cl. 210—6)



1. A combined settling and digesting tank for sewage comprising: a tank of substantially rectangular plan; an inclined influent apron discharging to said tank throughout substantially the entire length of one side wall of the latter, said apron being reduced in width to a medial apex as it recedes from said tank; an influent channel feeding said tank at the apex of said apron; an effluent channel extending across said tank parallel to said side wall; a front board along the side of said channel facing said apron and extending above the influent channel; a backboard along the opposite side of said effluent channel terminating below said influent channel and determining the solution line in said tank; a bottom board in said channel extending between and sealed to said front and back boards; and a baffle extending across the discharge of said apron adjacent the greatest width thereof and at right angles to the incoming flow, the lower edge of said baffle being curved and having its greatest depth at its middle opposite the influent channel and its shallowest depth at the extremities furthest removed from the influent channel, the discharge of said influent apron being positioned substantially at said solution line.

2,416,868
SHOE AND METHOD OF MAKING THE SAME

Gaetano De Luca, Brooklyn, N. Y.
Application October 26, 1945, Serial No. 624,689
6 Claims. (Cl. 36—11.5)

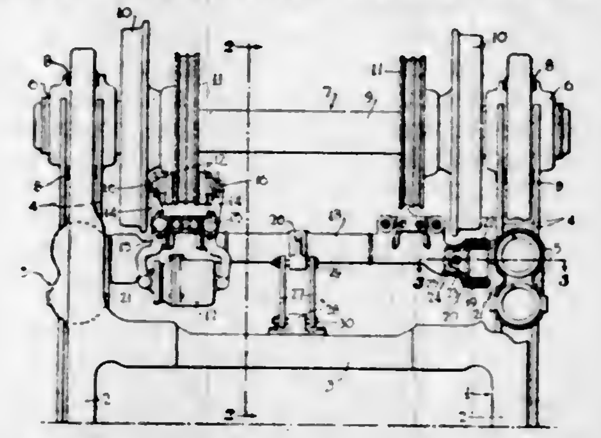


5. A shoe comprising: an insole provided with spaced apart marginal cut-outs with interspaced marginal projecting portions, bindings along said marginal projecting portions, an upper having marginal portions extending into said cut-outs of the insole and sewed to the insole along the bases only of said cut-outs, said upper having projecting tabs extending to underlie the ground-facing side of the insole between said cut-outs and covering and concealing the opposite end portions of said bindings, and said upper having openings between said tabs and juxtaposed with said marginal projecting portions of the insole, and an outsole adhesively secured to the ground-facing side of the assembled upper and insole.

2,416,869
BRAKE ARRANGEMENT

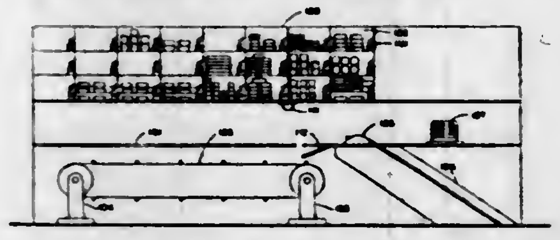
Carolus L. Eksergian, Detroit, Mich., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 22, 1945, Serial No. 579,174
5 Claims. (Cl. 188—59)

1. In a brake arrangement, a wheel and axle assembly, longitudinally extending equalizers supported from the respective ends of said assembly, a vehicle frame sprung from said equalizers, a brake rotor carried by said assembly, a brake stator in cooperative relation to said rotor, a transversely extending brake support carrying said stator and having its ends supported wholly through cushioned joint structures on the respective equalizers when the brakes are off, a generally vertical arm rigidly connected to said support, and a generally horizontal link connecting the free end of the arm to the vehicle frame to take the braking torque.



2,416,870
ARTICLE ASSEMBLY SYSTEM FOR STORES

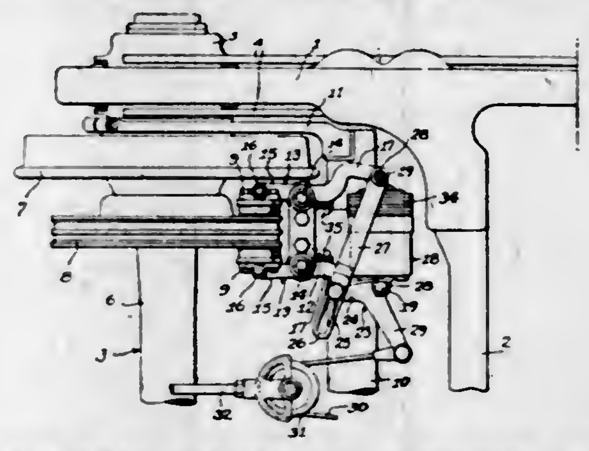
Paul M. Farmer, Madison, N. J.
Application June 16, 1943, Serial No. 491,012
16 Claims. (Cl. 186—1)



1. In an article order assembly system, a control station for selecting desired articles for separate individual orders, said station including a keyset for setting up information respecting the items of each order and a member to be operated at the beginning or end of the series of operations of the keyset representing each order, storage compartments in which articles are stored, annunciation elements associated with such compartments, means including the control station for selectively operating annunciation elements associated with articles to be selected, reset means for the annunciation elements, and means at the control station responsive to actuated annunciations which have not been reset for locking the said member at the control station against operation.

2,416,871
HAND BRAKE ARRANGEMENT

Paul W. Gaenssle, Grosse Pointe Farms, Mich., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 14, 1944, Serial No. 563,339
3 Claims. (Cl. 188—107)



1. In a brake arrangement for vehicles, a rotary brake disc, a pair of brake shoes for operative

engagement with the opposite faces of said disc, and support means for said shoes comprising a transversely extending member disposed adjacent the periphery of said disc, brake levers pivoted on said member and having operative engagement with the respective shoes, and a brake cylinder actuator having relatively movable parts pivoted to the respective levers, and a manually actuated lever pivoted on the same pivot as one of said parts and having a link connection to the pivot between the other of said parts and its lever.

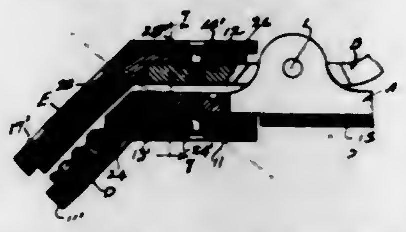
2,416,872

WELDING TOOL

Joseph U. Garibay, Montebello, Calif.

Application October 25, 1943, Serial No. 507,572

1 Claim. (Cl. 219—8)



Jaw extension means for a welding tool which comprises a pair of pivoted elements each formed with a body portion and handle portion extending in one direction from the pivot of said elements, and a jaw extending in the opposite direction from said body, said jaws being disposed in said extension means in parallelism one above the other, including two electrode gripping members, one of said members having a rear extension for engaging against the bottom face of the lower jaw and a shoulder for engaging against the outer end of said lower jaw, the other of said members having a rear extension for engaging against the upper face of the upper jaw and a shoulder for engaging against the outer end of said upper jaw, each of said members having a downwardly inclined electrode gripping portion, the lower one of said portions being provided with a plurality of transverse notches of varying sizes in its work face, whereby a plurality of round rod electrodes of varying sizes may be selectively and securely gripped, one at a time, between said inclined portions, insulating shield means for encompassing approximately all of both of said inclined portions except their work faces and narrow areas of their sides adjacent their work faces, and means for fastening each of said inclined portions and its associated shield as a unit to the associated jaw of said tool.

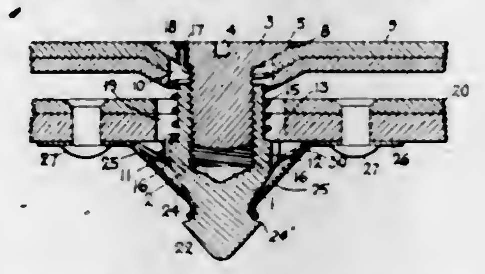
2,416,873

COWLING FASTENER

Alex M. Gorfin, New York, N. Y.

Application June 24, 1944, Serial No. 541,998

3 Claims. (Cl. 24—221)



1. A cowling fastener for detachably attaching a cowling to an underlying supporting member having registering openings for the fastener, the supporting member having downwardly extending converging resilient legs; in combination, a body member of the fastener having a reduced upper portion and a substantially conical lower portion, the lower portion having diametrically opposite recesses forming shoulders engaged by the ends of the resilient legs; a clamping member in threaded engagement with the body, having an enlarged head engaging the edges of an opening in the cowling for retaining the cowling on the supporting member and for drawing the cowling to the supporting member by turning the clamping member relative to the body in a direction for screwing the head and the body; and means to cause the body to rotate with the clamping member when the latter is turned in a direction for unscrewing the clamping member from the body, the body being released from the resilient legs by placing the unrecessed sides of the conical portion of the body opposite the resilient legs.

2,416,874

TREATMENT OF INTERPOLYMERS OF VINYL CHLORIDE AND ESTERS OF ETHYLENEDICARBOXYLIC ACIDS

Benjamin Wilson Howk and Henry John Richter, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 20, 1943, Serial No. 499,380

2 Claims. (Cl. 260—78)

1. Process for preparing a vulcanized insoluble interpolymer of 95% vinyl chloride with 5% diethyl fumarate which comprises heating said interpolymer for 50 to 60 minutes at a temperature of 130° C. to 150° C. with from 0.25 to 10% sulfur, from 3% to 5% zinc oxide, and 0.25% to 5% mercaptobenzothiazole, all based on the weight of the interpolymer.

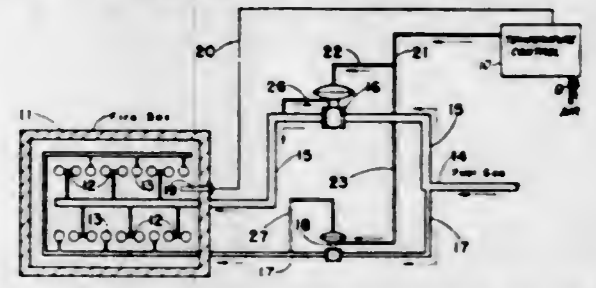
2,416,875

SYSTEM FOR CONTROLLING FLOW OF FLUIDS

William R. Kehoe, Baytown, Tex.

Application March 16, 1943, Serial No. 479,317

8 Claims. (Cl. 137—68)



3. Means for controlling an operation wherein it is desired to control the flow of a stream of fluid essential to the operation in response to a preselected variable in the operation comprising a pipe line adapted to convey said fluid stream, a group of parallel branch lines fluidly connected to said pipe line and adapted to convey said fluid stream, with a first portion of said group defining a major area of flow and a second portion of the group defining a minor area of flow, a control valve arranged in each of said branch lines and means arranged for actuating every valve of the first group in direct response to the preselected variable and for actuating every valve of the second group in inverse response to the preselected variable and in inverse proportion to the quantity of actuation of the first group, said actuating means being of a type which normally causes the actuated valve to hunt for each adjusted position thereof.

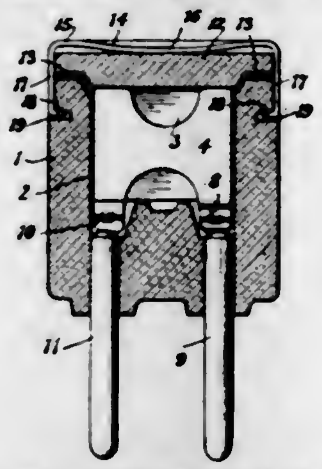
2,416,876

CASING FOR PIEZOELECTRIC CRYSTALS

Walter E. Kuenstler, Cliffside Park, N. J.

Application January 4, 1945, Serial No. 571,255

5 Claims. (Cl. 171—327)



1. A casing for crystals and the like comprising, a body portion, a cover fitted over and closing the body portion, a spring clip extending over the top of the cover and urging the cover toward the body portion, said clip having a pair of arm portions extending downwardly on opposite sides of the body portion, the body portion having recesses presenting shoulders located below the lower end of the cover with which the ends of the arm portions engage.

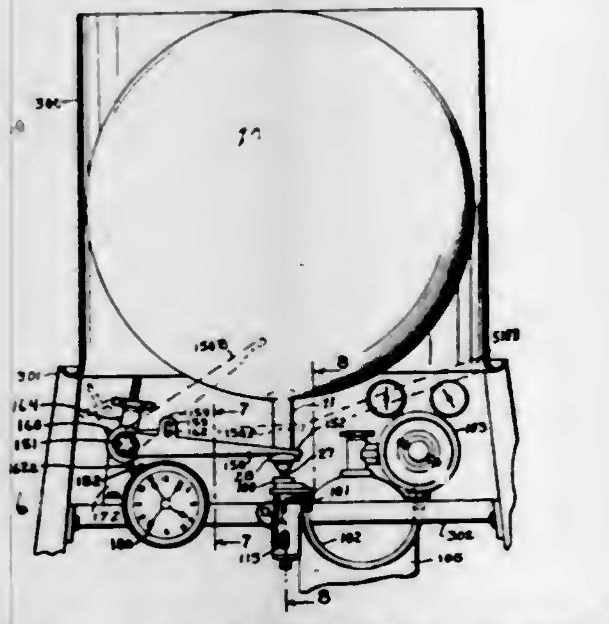
2,416,877

AERIAL MINE

Myron Penn Laughlin, St. Petersburg, Fla.

Application June 10, 1940, Serial No. 339,807

8 Claims. (Cl. 102—9)



1. A balloon grenade, free lift controlled inflation means therefor and time responsive locking means for said inflation means operatively associated therewith to release said grenade at a predetermined instant.

2,416,878

CURING HALOGEN CONTAINING LINEAR POLYMERS

Richard Vernon Lindsey, Jr., and Samuel Le Roy Scott, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 20, 1943, Serial No. 499,388

2 Claims. (Cl. 260—79)

1. In a process of curing an essentially saturated interpolymer of vinyl chloride and ethylene, the steps which comprise milling the interpolymer of vinyl chloride and ethylene with from 2 to 20%, based on the weight of the interpolymer, of a metal oxide of Group II and from 0.1 to 15%, based on the weight of the interpolymer, of a thiuram tetrasulfide and subsequently heating the resulting mixture for at least fifteen minutes at a temperature within the range 100° C. to 150° C.

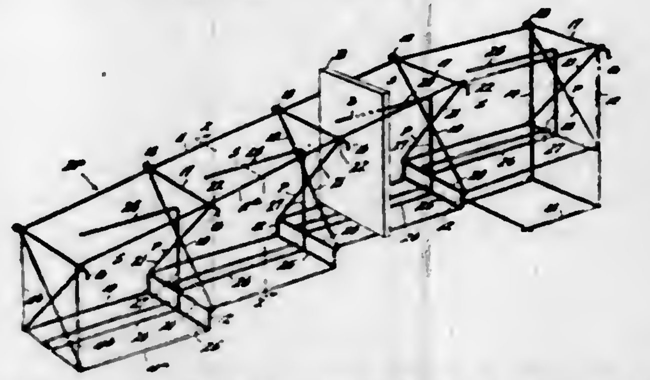
2,416,879

DISPLAY STAND

Henry H. Moreton, Chicago, Ill.

Refiled for application Serial No. 512,495, November 30, 1943. This application July 18, 1945, Serial No. 605,699

4 Claims. (Cl. 211—181)



3. A display stand comprising a pair of base wires bent into descending stepped relation, top wires arranged above the base wires and in approximately the same vertical planes as said base wires, partitions having transverse portions secured to each of the base wires and other transverse portions secured to each of the top wires, each of said partitions being formed of a single wire including said transverse portions, and other portions extending diagonally from each top wire to the base wire on the opposite side of the stand, so as to provide integral cross braces, said partitions being so located as to provide a plurality of storage sections, and article supporting means located in each of said storage sections.

2,416,880

POLYVINYL ALCOHOL INSOLUBILIZED WITH CHLORINATED POLYMERIC ETHERS

Carl Walter Mortenson, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application October 23, 1943, Serial No. 507,479

14 Claims. (Cl. 260—32)

8. A reaction product of polyvinyl alcohol containing at least three hydroxyl groups per mol and from 2 to 20%, by weight of said polyvinyl alcohol, of an alpha-polychlorinated macromolecular linear polymeric ether containing at least one per cent chlorine and at least three chlorine atoms, per mol, on alpha carbon.

2,416,881

PRESSURE REGULATING VALVE

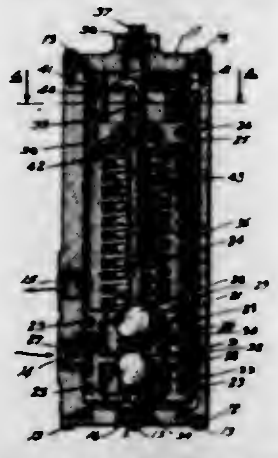
Merle L. Osborn, Long Beach, Calif.

Application July 17, 1945, Serial No. 605,584

5 Claims. (Cl. 137—53)

1. A pressure regulating valve comprising: a housing having a cylindrical bore; a valve cage; a piston, said piston and cage being longitudinally movable in said bore; a compression spring urging said cage and said piston away from each other; a pressure inlet positioned in said hous-

ing opposite said cage; a valve in said cage normally preventing fluid from flowing into said bore toward said piston; a stem projecting from said piston toward said latter valve and positioned to force the latter from its seat when said



spring has been compressed a predetermined distance; a pressure outlet from said housing below said cage; a channel connecting said pressure outlet with said bore above said piston to apply pressure to the latter; and a return port in said housing intermediate said piston and said cage.

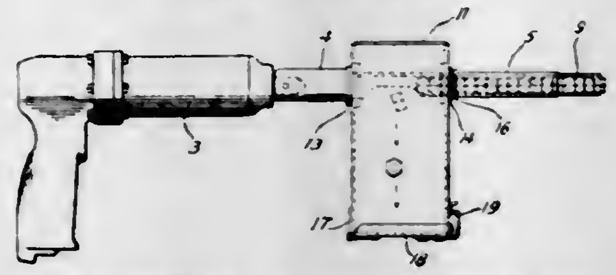
2,416,882

RECEIVER FOR NUT REMOVING TOOLS

Bert Parizo, East Hartford, Conn., assignor of one-half to Walter D. Abbott, West Hartford, Conn.

Application March 24, 1945, Serial No. 584,513

4 Claims. (Cl. 81—53)



1. In combination, a nut-removing tool comprising a rotary hollow shaft having a nut-holding socket at one end, a shoulder on the shaft, said shaft having an outlet between the shoulder and the nut-holding socket, a receiver having alined openings in its opposite sides above its normal center of gravity, journal bearings surrounding said openings, and removable means for holding the receiver loosely on the shaft adjacent the shoulder and over the said shaft outlet.

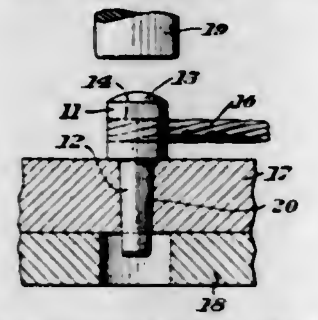
2,416,883

RAIL BOND OR THE LIKE

Rolf Selquist, McKeesport, Pa., assignor to Copperweld Steel Company, Glassport, Pa., a corporation of Pennsylvania

Application April 3, 1944, Serial No. 529,295

2 Claims. (Cl. 287—20.3)



1. A rail bond comprising a pair of drive plugs and a length of conductor, said conductor being composed of hard-drawn wire and having its ends extending into said plugs, respectively, and secured therein by a frictional grip, whereby the conductor is left in its original hard-drawn state and remains free from the softening resulting from annealing, at least in the portions thereof adjacent the plugs, and is therefore more resistant to fatigue failure under the repeated vibration to which it is subjected in service than a bond having a conductor which has been annealed at the points of connection to the plugs.

2,416,884

METHYLATED METHYLOLMELAMINE AS A FIXING AGENT FOR DYED COTTON TEXTILES

Richard Seyfarth Schreiber and Herman Elbert Schroeder, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 9, 1942, Serial No. 457,718

1 Claim. (Cl. 8—74)

Process for increasing the wash fastness of a dyed cotton textile material which comprises heating the dyed material with monomeric N,N',N''-tris(methoxymethyl) melamine, said cotton textile material being dyed with blue dye Colour Index No. 406.

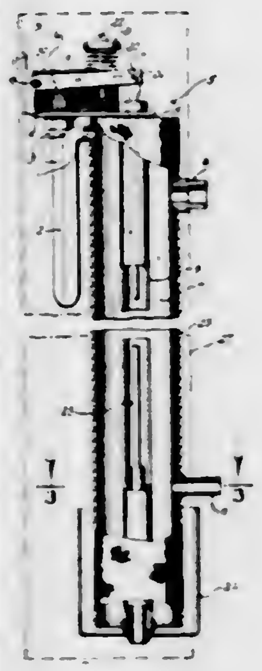
2,416,885

HUMIDIFIER

Gerald W. Skilbeck, Kenosha, Wis.

Application July 1, 1944, Serial No. 543,137

13 Claims. (Cl. 237—78)



4. A humidifier comprising: a hollow tube closed except for inlet and outlet parts adjacent to its opposite ends; means communicating with said parts for mounting the tube in an upright position and for circulating a heating medium through the interior thereof; a bibulous wrap covering the upright exterior surfaces of the tube; a water supply duct terminating above the tube so that water issuing therefrom flows down over the sides of the tube to saturate its bibulous wrap; a cup in position to catch excess water dripping from the wrapped tube; and means responsive solely to the volume of water in said cup for regulating the supply of water to said duct.

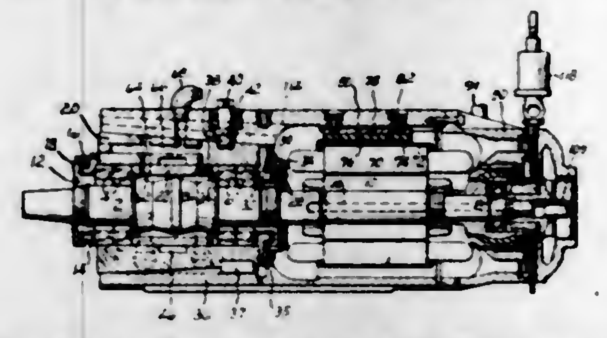
2,416,886

SPINDLE MOUNTING AND DRIVING UNIT

Clarence C. Stevens, Forestville, Conn., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application September 24, 1943, Serial No. 503,610

7 Claims. (Cl. 308—189)



1. In a spindle mounting and driving unit, a supporting casing, a spindle, bearings in the casing to establish the axis of rotation of the spindle, a driving member on the spindle beyond the bearings, a stabilizing bearing on the spindle beyond the driving member, and means mounted in the supporting casing for enabling the stabilizing bearing to give lateral support to the spindle in all directions equally to avoid any tendency to deflect the spindle from its established axis of rotation.

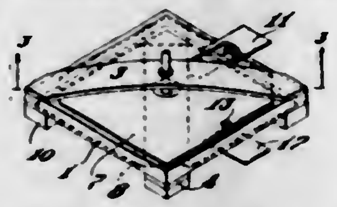
2,416,887

PIEZOELECTRIC DEVICE

Raymond W. Tibbetts, Camden, Maine, assignor to Tibbetts Laboratories, Inc., Camden, Maine, a corporation of Maine

Application October 20, 1944, Serial No. 559,522

10 Claims. (Cl. 171—327)



1. In a device of the character described the combination of a piezo-electric slab, and means for passing current between the slab and an external circuit, said means including a lead overlapping one side of the slab, the lead comprising a sheet of conducting material laid along one side of the slab parallel with the adjacent face of the slab, and a body of cement anchoring the lead on the slab, said body being disposed in a recess in the slab so that when the cement shrinks in setting it draws the lead toward the slab.

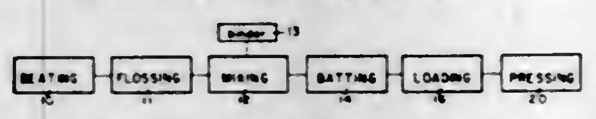
2,416,888

METHOD OF MANUFACTURING SHOE SOLES AND THE LIKE

Pearl Joseph Wentworth, Fort Thomas, Ky.

Application November 2, 1942, Serial No. 464,316

2 Claims. (Cl. 18—47.5)



1. The method of selectively increasing the wearing characteristics of those portions of a substitute leather outsole which are subjected to wear, which method comprises the steps of thoroughly intermixing organic dry, short fiber flock with a sufficient quantity of rubber dissolved in a volatile solvent to produce a plastic mass, of distributing said plastic mass in a mat of uniform thickness, of evaporating the rubber solvent from said mat, of forming individual outsoles from said mat, of impregnating those portions of said outsoles which will be subjected to wear with pitch, and of them uniformly compressing the entire outsole shaped mat by an amount sufficient to increase its density and pliability to that of leather.

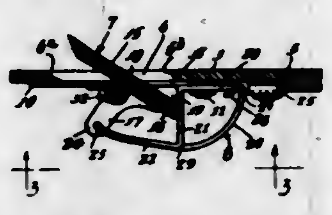
2,416,889

FLUSH-TYPE DOOR LATCH

Weldon R. Andrews, Seattle, Wash., assignor to Hartwell Aviation Supply Co., Los Angeles, Calif., a copartnership

Application February 9, 1944, Serial No. 521,634

3 Claims. (Cl. 292—173)



1. A flush-type latch comprising: a base plate adapted to be mounted on the inner side of a door, said base plate having integral guide means formed thereon; an actuator plate pivotally secured to said base plate and positioned to close an opening in a door on which the base plate is mounted, there being an accommodation slot in said base plate to pass an end of said actuator plate as said actuator plate is pivoted; and a latch bolt formed of strap material, said bolt including a looped portion having a flat side adapted to ride on said base plate and retained thereon by said guide means, and a cam side adapted for engagement with a keeper to move the bolt as the door is closed; and coacting means extending from said bolt and said actuator and pivotally connected together whereby pivotal movement of said actuator effects a sliding movement of said bolt.

2,416,890

MANUFACTURE OF FIBERS AND FOILS

Joachim Amende and Willibald Ender, Ludwigshafen-on-the-Rhein, Germany; vested in the Attorney General of the United States

No Drawing. Application April 6, 1940, Serial No. 328,374. In Germany March 29, 1939

12 Claims. (Cl. 18—54)

1. A process for the manufacture of fibers and foils from a mixture of an alkali-soluble linear superpolyamide containing sulfamide groups and a cellulosic solution selected from the group consisting of viscose and ammoniacal copper oxide cellulose, which comprises adding to the cellulosic solution an alkaline solution of the superpolyamide, the amount of superpolyamide added to the cellulosic solution being at least 5%, based on the cellulose in the solution, forming fibers and foils from the resulting solution and coagulating the fibers and foils in a coagulating bath.

2,416,891

TENS TRANSFER MECHANISM

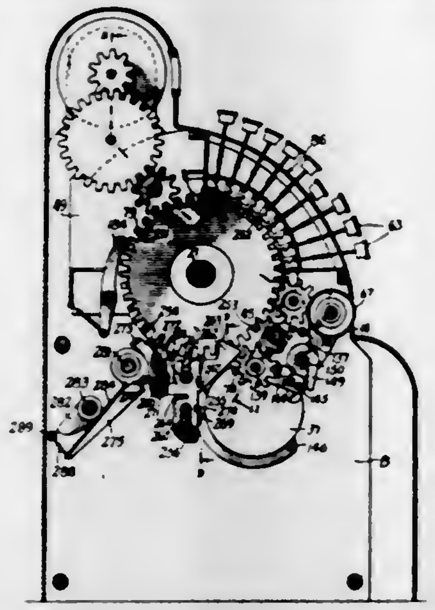
Hilario Moreno Banuelos, Mexico City, Mexico

Application August 1, 1940, Serial No. 349,164

5 Claims. (Cl. 235—138)

1. Register device comprising a totalizer driving gear, a tens transfer secondary gear having a trip, means for actuating said secondary gear, means for actuating the totalizer driving gear including a spring biased pawl normally out of operative engagement therewith, a spring biased

latch having a portion normally disposed in the path of movement of said trip during rotation of said secondary gear and a pawl arresting portion normally positioned to retain said pawl out of engagement with said totalizer driving gear, whereby during movement of said trip said latch is displaced and said pawl is released into yielding riding engagement with said driving gear, a spring biased keeper for holding said latch in displaced position during riding engagement of the pawl on said driving gear, means for releasing said keeper, and means for actuating said pawl to rotate said totalizer driving gear.



2,416,892
COMPOUND DIELECTRIC MATERIAL AND PROCESS FOR MANUFACTURING THE SAME

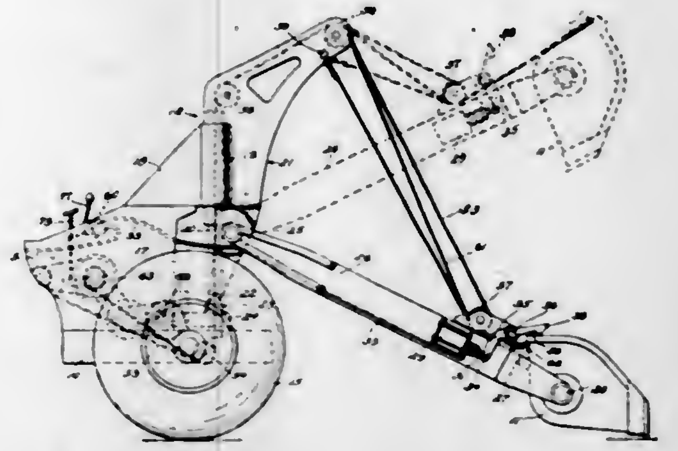
Kenneth H. Barnard, Andover, Jayson C. Balsbaugh, Newton, and Melville J. Blackwood, Andover, Mass., assignors to Pacific Mills, Boston, Mass., a corporation of Massachusetts
No Drawing. Application January 15, 1942, Serial No. 426,886
5 Claims. (Cl. 117—84)

1. A dielectric material, adapted to be used as a tape for wrapping cables conducting high tension alternating electric currents, comprising an inside cloth element consisting of cambric, electrically conductive finely divided carbon particles impregnating said cambric and absorbed and tenaciously fixed in the cambric by the electrical affinity of the cambric and the carbon particles and fast to washing, said carbon impregnated cambric having at least 20,000 times less resistance than the dry unimpregnated cambric, and a coating of starch having a hard smooth surface on each side of said carbon impregnated cambric, said cloth element being substantially free from other materials of electrical insulating character, and a layer of insulating varnish on the surface of each starch coating.

2,416,893
PORTABLE LOADING MACHINE

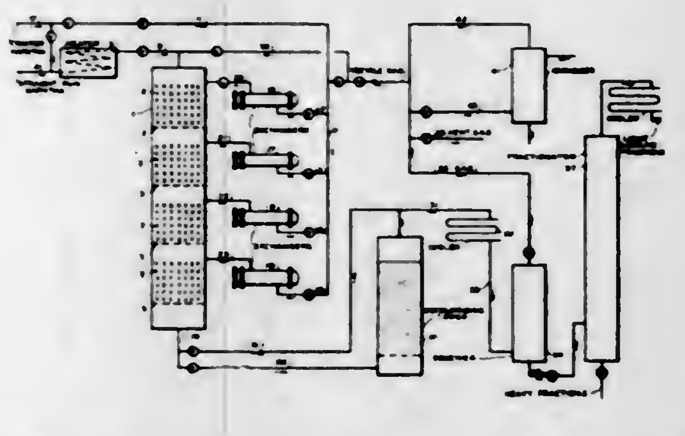
Eugene Barker, Columbus, Ohio, assignor to The Jaeger Machine Company, Columbus, Ohio, a corporation of Ohio
Application November 20, 1944, Serial No. 564,193
3 Claims. (Cl. 214—132)

1. In a loading machine, a portable self-propelled base vehicle having an operating engine, an upright mast frame supported on and adjacent to one end of said base vehicle for turning movement about a substantially vertical axis, a boom having its inner end pivotally mounted on said mast frame for lateral turning movement in unison therewith and independent raising and lowering movement relative thereto, a material-receiving bucket pivotally carried by the outer end of said boom for turning movement about an eccentric axis, power actuated cable and drum means for raising and lowering said boom and the bucket carried thereby, additional power actuated cable and drum means carried by said base vehicle and connected with said bucket for restoring the latter to its material-receiving position following dumping of the contents thereof and assisting said first named cable and drum means in raising and lowering said boom, latch devices pivotally carried by the outer end of said boom and cooperative with said bucket to retain the latter in its material-receiving position following restoration thereof to said position by said additional cable means, a cylinder mounted on the outer end of said boom adjacent to said latch devices, a spring-pressed piston slidably mounted in said cylinder and provided with an externally projecting piston rod, operating connections uniting the externally projecting end of said piston rod with said latch devices, and remotely controlled suction-producing means cooperative with said cylinder for moving said piston against spring resistance, whereby to move said latch devices to inactive bucket-releasing positions.



2,416,894
COMBINED HYDROGENATION AND DEHYDROGENATION OF HYDROCARBONS

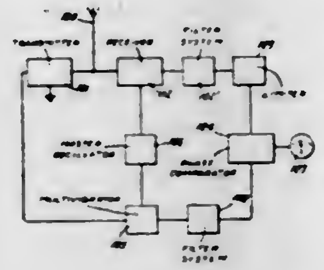
Joseph Mason Barron, Port Arthur, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application October 2, 1944, Serial No. 556,749
6 Claims. (Cl. 196—50)



1. The method of converting naphtha, composed mainly of hydrocarbons boiling below about 300° F. and containing olefins in substantial amount, which comprises passing a stream of said naphtha, in the presence of naphthene hydrocarbons consisting essentially of a C_6 ring cyclo paraffin boiling below 250° F. to 300° F., in contact with a mass of solid hydrogenation-dehydrogenation catalyst in a reaction zone during continued onstream operation for a prolonged period of time, effecting said contact at a temperature in the range about 825 to 850° F., such that naphthene hydrocarbons are dehydrogenated to produce aromatics and liberate hydrogen, and olefin hydrocarbons are hydrogenated with said liberated hydrogen without substantial hydrocarbon cracking, maintaining the proportion of naphthenes present in the reaction zone such that a predetermined and minimum partial pressure of available hydrogen is continuously present in the reaction zone in excess of that required for said hydrogenation of olefins and periodically increasing substantially above and then reducing substantially to said minimum the partial pressure of said available hydrogen within the reaction zone with continued flow of hydrocarbons through the reaction zone during said continued onstream operation such that catalyst activity is maintained, each period of increased hydrogen partial pressure having a duration not exceeding a few minutes.

2,416,895
PULSE SIGNALLING SYSTEM

Everhard H. B. Bartelink, West Milton, N. Y., assignor to General Electric Company, a corporation of New York
Application October 2, 1942, Serial No. 460,487
8 Claims. (Cl. 250—1.66)

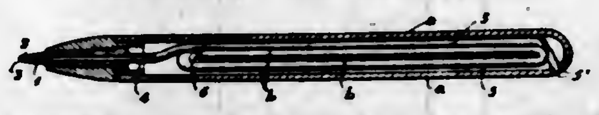


1. In a signalling system in which pulses of high frequency oscillation are radiated at regular intervals and a continuous succession of evenly spaced pulses are received, the combination of means for transmitting said pulses, keying means connected to said transmitting means, means for receiving and detecting said pulses, and means for desensitizing said receiving means for short evenly spaced periods and at a frequency which is a multiple of the frequency of said pulses, said desensitizing means comprising a multivibrator synchronized with said keying means and connected to said receiving means, said periods including intervals during which pulses radiated by said transmitter reach said receiver directly.

2. In combination, means for transmitting a pulse of high frequency oscillation at regular intervals, means for receiving a continuous succession of said pulses after reflection from a reflecting object, and means for indicating the distance between said receiving means and said reflecting object, said indicating means comprising means for supplying a reference signal having the same time occurrence as said transmitted pulse, means in said receiving means for selecting a single harmonic component of said reflected pulse, and means for measuring the phase angle between said reference signal and said component.

2,416,896
WRITING INSTRUMENT

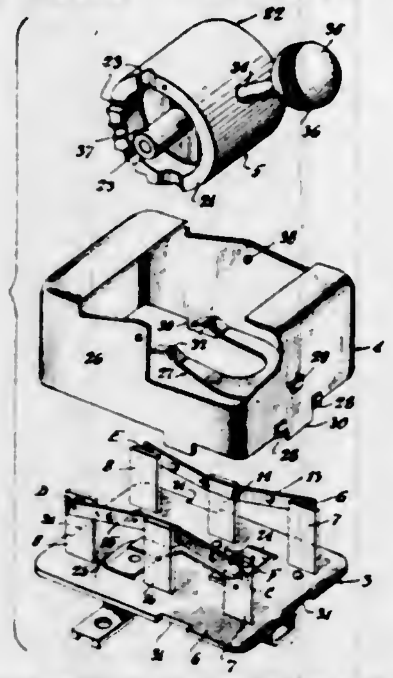
László Jozsêf Biró, Buenos Aires, Argentina, assignor, by mesne assignments, to "Eterpen" Sociedad Anonima Financiera, also known as Eterpen, S. A., Buenos Aires, Argentina, a company of Argentina
Application December 31, 1943, Serial No. 516,441
In Argentina November 6, 1943
16 Claims. (Cl. 120—43)



1. A writing implement for use with dense writing ink, having a tip with a longitudinally-extending bore, a ball rotatably mounted in the tip at the front end of the bore, a body with a plurality of longitudinal striations and a shell therefor constituting an ink reservoir characterized by a continuous ink-holding passage, which passage holds the entire supply of the ink used in the writing implement, said passage being connected at one of its ends with the bore leading to the ball and being open at its other end to atmospheric pressure.

2,416,897
ELECTRIC SWITCH

Robert L. Brady and Alexander C. Wall, Indianapolis, Ind., assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
Application February 9, 1945, Serial No. 577,062
8 Claims. (Cl. 200—5)



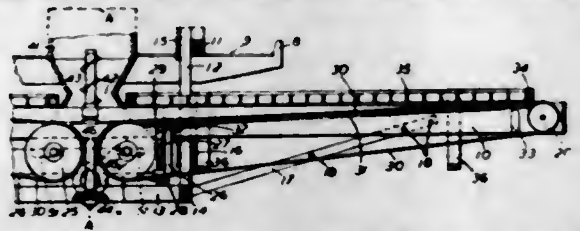
1. An electric switch comprising a base having an on and off contact pair, and two sets of selector units, each unit comprising two pairs of cooperable contacts and each unit including a support arm with a resilient contact arm mounted on said support arm and a cam rider portion on said contact arm on opposing sides of said support arm; a housing mounted on said base; and a drum cam mounted in said housing for movement into operating relation with said on and off contact pair and said cam rider portions.

2,416,898
FERTILIZER DISTRIBUTOR

Charles Alfred Breeze, Aberdeen, Scotland
Application June 30, 1944, Serial No. 543,031
In Great Britain July 12, 1943
19 Claims. (Cl. 275—2)

1. A distributor comprising a frame, a pair of aligned endless conveyor belts, rollers on said

frame supporting said belts, means for traversing said belts in opposite directions so that their upper runs travel away from each other, a hopper on said frame arranged to discharge material on to said belts where they meet, a pair of parallel



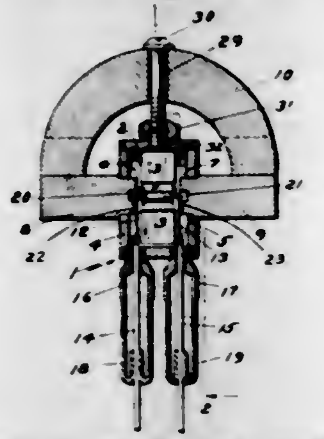
trough sides mounted on said frame one at each side of said belts which with said sides form the movable bottom of a trough, and means for supporting the upper runs of said belts in an inclined position in relation to the upper edges of said trough sides.

2,416,899
ELECTRONIC DISCHARGE DEVICE OF THE MAGNETRON TYPE

William C. Brown, Watertown, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware

Application September 24, 1943, Serial No. 503,622

7 Claims. (Cl. 315—40)



5. An electronic discharge device of the type in which a magnetic field is imposed upon the discharge space thereof, comprising a metal envelope enclosing electrode elements between which a space discharge is adapted to take place, said envelope comprising a tubular body portion of non-magnetic metal having electrode elements in the central portion thereof and hollow sections at the ends thereof, a pair of pole pieces one at each end of said tubular body portion to provide a magnetic field through said envelope, said pole pieces having portions projecting into said hollow end sections and outwardly projecting portions extending exteriorly of said body portion, a magnet having a pair of projecting arms, the end faces of said arms contacting lateral surfaces of said outwardly projecting portions of said pole pieces.

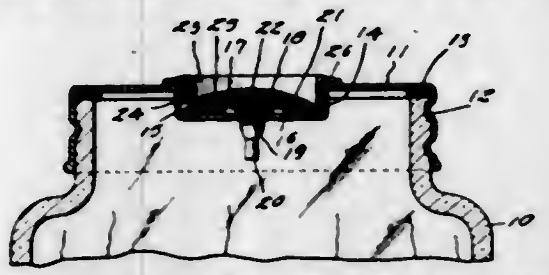
2,416,900
VACUUM SEALER

Guy L. Busby, Glendale, Calif.

Application May 17, 1944, Serial No. 536,012

3 Claims. (Cl. 215—56)

1. In combination with a container having a removable closure thereon sealed thereto, said closure having a well provided with an opening in its bottom, a flexible valve in said well having a stem to occupy said opening after evacuation of the container, whereby atmospheric pressure will urge sealing of the valve, said valve having a concave under surface, said valve being of rubber, and having a convex upper surface, and an auxiliary closure within the well cooperative with the valve and having a concave underside contacting the convex upper surface of the valve throughout substantially the areas of said surfaces.



2,416,901
METHOD OF HYDROGENATING PINENE RESIN

William H. Carmody, deceased, late of Springfield, Ohio, by Marie O. Carmody, administratrix, Springfield, Ohio, assignor to Carmody Research Laboratories, Inc., Springfield, Ohio, a corporation of Ohio

No Drawing. Application December 3, 1943, Serial No. 512,783

6 Claims. (Cl. 260—80)

4. A method of hydrogenating polypinene resin which comprises the steps of bringing such resin into contact with hydrogen in the presence of a metal chromite catalyst selected from the group consisting of copper chromite, iron chromite, and nickel chromite, under such temperature and pressure conditions as chemically to introduce about .5 mol. to 3 mols. of hydrogen per molecular equivalent of polypinene resin structure, the hydrogenation being carried out at a temperature ranging from about 90° C. to 225° C., and under a pressure not substantially exceeding 2100 pounds per square inch.

2,416,902
METHOD OF HYDROGENATING PINENE RESIN

William H. Carmody, deceased, late of Springfield, Ohio, by Marie O. Carmody, administratrix, Springfield, Ohio, assignor to Carmody Research Laboratories, Inc., Springfield, Ohio, a corporation of Ohio

No Drawing. Application December 3, 1943, Serial No. 512,784

3 Claims. (Cl. 260—80)

1. A method of hydrogenating polypinene resin which comprises the steps of bringing such resin into contact with hydrogen in the presence of black copper oxide under such temperature and pressure conditions as chemically to introduce about .5 mol. to 3 mols. of hydrogen per molecular equivalent of polypinene resin structure, the hydrogenation being carried out at a temperature ranging from about 90° C. to 225° C. and at an initial pressure not substantially exceeding 2100 pounds per square inch.

2,416,903
METHOD OF HYDROGENATING COUMARONE-INDENE RESIN

William H. Carmody, deceased, late of Springfield, Ohio, by Marie O. Carmody, administratrix, Springfield, Ohio, assignor to Carmody Research Laboratories, Inc., Springfield, Ohio, a corporation of Ohio

No Drawing. Application December 3, 1943, Serial No. 512,785

10 Claims. (Cl. 260—81)

6. The herein-described method of selectively hydrogenating coumarone-indene resin by bringing such coumarone-indene resin into contact with hydrogen in the presence of a metal chromite catalyst selected from the group consisting of copper chromite, iron chromite, and nickel chromite, at a temperature ranging from about 75° C. to 225° C. and under a pressure not exceeding 2100 pounds per square inch, thereby to chemically saturate only the non-aromatic double bond which characterizes the indene and coumarone resin structure.

2,416,904
METHOD OF HYDROGENATING COUMARONE-INDENE RESIN

William H. Carmody, deceased, late of Springfield, Ohio, by Marie O. Carmody, administratrix, Springfield, Ohio, assignor to Carmody Research Laboratories, Inc., Springfield, Ohio, a corporation of Ohio

No Drawing. Application December 3, 1943, Serial No. 512,786

6 Claims. (Cl. 260—81)

1. A method of hydrogenating coumarone-indene resin which comprises bringing such coumarone-indene resin into contact with hydrogen in the presence of copper chromite and in the presence of Raney nickel catalyst under such temperature and pressure conditions as chemically to saturate the non-aromatic double bond which characterizes the indene and coumarone resin structure and substantially to introduce hydrogen into the benzene rings of the said resin structure, the hydrogenation induced by the said catalysts being carried out at a temperature ranging from about 75° C. to 225° C. and under a pressure not substantially exceeding 2100 pounds per square inch.

2,416,905
METHOD OF HYDROGENATING COUMARONE-INDENE RESIN

William H. Carmody, deceased, late of Springfield, Ohio, by Marie O. Carmody, administratrix, Springfield, Ohio, assignor to Carmody Research Laboratories, Inc., Springfield, Ohio, a corporation of Ohio

No Drawing. Application December 3, 1943, Serial No. 512,787

5 Claims. (Cl. 260—81)

1. A method of selectively hydrogenating coumarone-indene resin which comprises the steps of bringing such coumarone-indene resin into contact with hydrogen in the presence of black copper oxide at a temperature ranging from about 75° C. to 225° C. and under a pressure not exceeding 2100 pounds per square inch, thereby to chemically saturate only the non-aromatic double bond which characterizes the indene and coumarone resin structure.

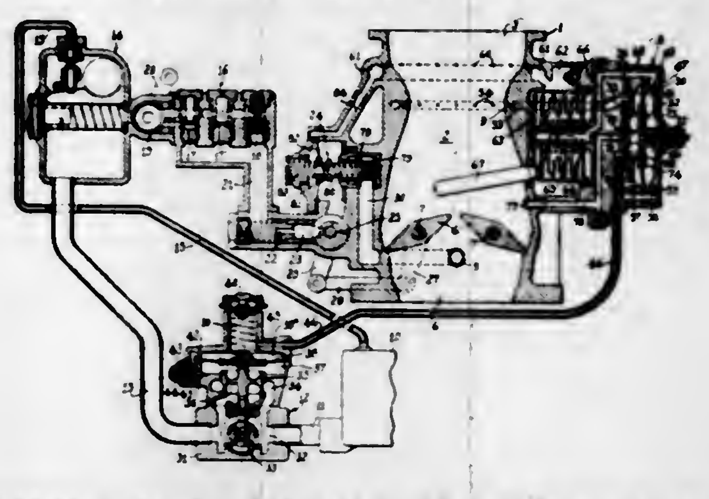
2,416,906
CHARGE FORMING DEVICE

Milton E. Chandler, New Britain, Conn., assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn., a corporation of New Jersey

Continuation of application Serial No. 361,239, October 15, 1940. This application February 4, 1943, Serial No. 474,736

7 Claims. (Cl. 261—27)

1. In a carburetor, means providing an air inlet passage, means therein producing a differential of air pressures varying as a function of air flow, a fuel pump, regulating means to vary the effective output of said pump, a main fuel conduit extending from the pump to a discharge nozzle in the air passage, a pressure control valve in the conduit to maintain a minimum pressure in said conduit, a metering restriction in said conduit, mechanism for varying the fuel pressure on said restriction comprising a restricted fuel by-pass conduit extending from said main conduit to an auxiliary discharge port in the air passage, means subjected to the differential air pressures to control the fuel flow from said by-pass conduit and to thereby maintain back pressure proportional to said differential of air pressures, and fluid pressure responsive means subjected respectively to the pressures in said main conduit and said by-pass conduit connected to operate said pump regulating means whereby to maintain the fuel flow through said main conduit proportional to the measured air flow.

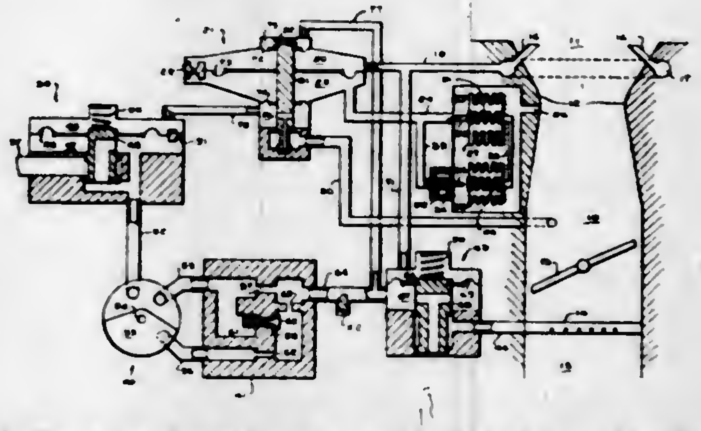


2,416,907
CARBURETOR

Milton E. Chandler, New Britain, Conn., assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn., a corporation of New Jersey

Application September 14, 1943, Serial No. 502,266

5 Claims. (Cl. 261—69)



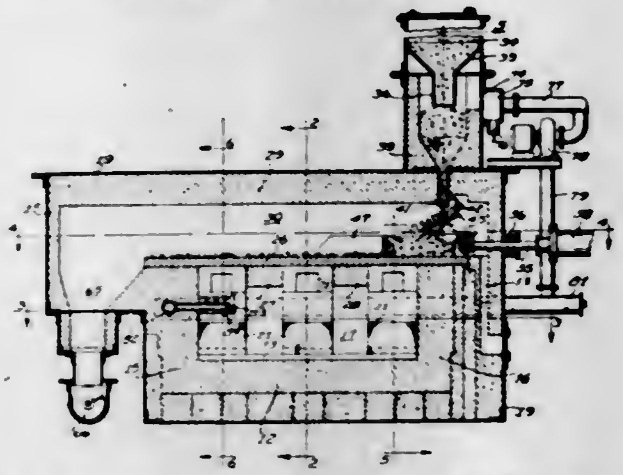
1. In a carburetor for an internal combustion engine, in combination, a first conduit for air flowing to said engine for combustion purposes, means associated with said first conduit for producing two unequal pressures whose difference is a function of the velocity of the air flowing therethru, a second conduit in which a flow of air is produced by said unequal pressures, a fixed restriction in said second conduit, a pair of valves connected in parallel in said second conduit, spring means biasing one of said valves to closed position, means including a first flexible bellows for operating the other of said valves so as to produce across said fixed restriction a pressure differential substantially proportional to the mass of air flowing thru said first conduit, said flexible bellows having its exterior exposed to a pressure

varying in accordance with atmospheric pressure and containing an expansible fluid at a pressure substantially less than said exterior pressure so that the difference between said exterior and interior pressures tends to contract said bellows and open said other valve, a second bellows having its interior connected to the interior of said first bellows and normally spaced from said one valve, but effective upon expansion such as accompanies bellows leakage to engage and open said one valve against said biasing means, and means responsive to the pressure differential across said fixed restriction for controlling the flow of fuel to said engine.

2,416,908

HEAT-TREATING FURNACE

Yngve R. Cornelius, Portland, Oreg.
Application May 1, 1943, Serial No. 485,304
12 Claims. (Cl. 263—41)



1. A furnace comprising means defining a heat treating chamber, means defining a stationary hearth surface in said chamber, spreader means slidably supported on said hearth surface, a charging chamber mounted above one end of said chamber, a port communicating between said chambers, a gate for controlling the flow of granular raw material through said port, means for reciprocating said spreader longitudinally of said hearth surface, said spreader engaging with said gate when moved to the corresponding end of said hearth surface and moving it to the open position whereby a batch of ore is discharged into said spreader, said gate moving to the closed position as said spreader is moved away from said port during spreading of the batch contents in said spreader over said hearth surface said gate in the closed position permitting flow of reducing gas from said heat treating chamber to said charging chamber through the material in said port.

2,416,909

FROTH FLOTATION OF PHOSPHATE ORE

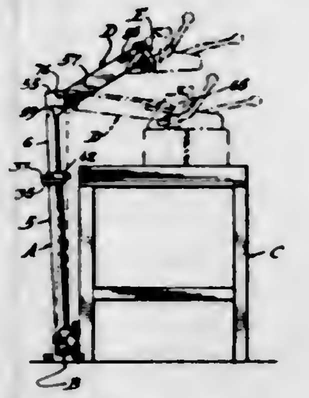
Bruce Donaldson Crawford, Greenwich, and David Walker Jayne, Jr., Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application May 13, 1942, Serial No. 442,818
4 Claims. (Cl. 209—166)

1. A method of beneficiating phosphate ore by froth flotation which comprises conditioning the phosphate ore with from about 0.1 to about 1.3 lbs. per ton of a talloel soap and an amount of saponifiable oil at least substantially equal in weight to the soap, and subjecting the conditioned ore to froth flotation, removing a froth concentrate rich in phosphate and a tailing poor in phosphate.

2,416,910

PACKAGE-BINDING TOOL SUPPORT

George A. Crosby, Park Ridge, and Arvid I. Ericsson, Chicago, Ill., assignors to Signode Steel Strapping Company, Chicago, Ill., a corporation of Delaware
Application August 11, 1944, Serial No. 549,002
8 Claims. (Cl. 248—280)

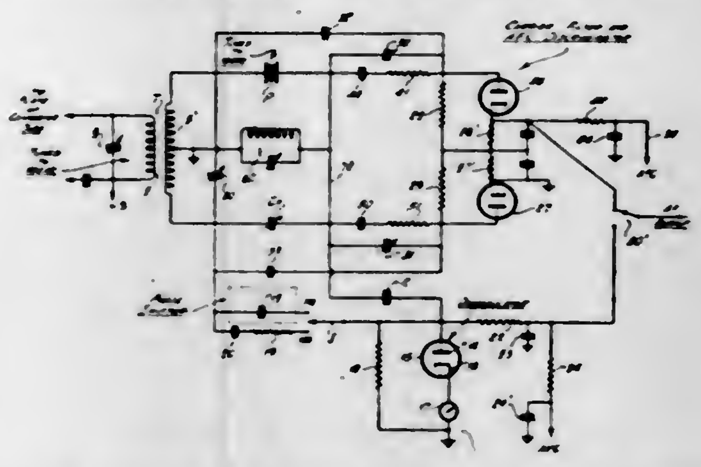


1. A package-binding tool support comprising a pedestal, a bracket secured to the pedestal, an arm pivoted to the bracket and projecting laterally from the pedestal, said arm having an outer end for extending over the package and an inner end extending from the pivot in a direction opposite the outer end, a spring anchored at one end to the pedestal and having the other end anchored at the inner end of the arm to bias the outer end of the arm upwardly away from the package, a tool carrier pivotally connected to the outer end of the arm, a link pivotally connected to the tool carrier and to the rear portion of the arm, the connection with the tool carrier being of the pin and slot variety, and a spring biasing the pin toward one end of the slot.

2,416,911

CARRIER-EXALTED RECEIVER

Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application May 18, 1944, Serial No. 536,093
9 Claims. (Cl. 250—27)

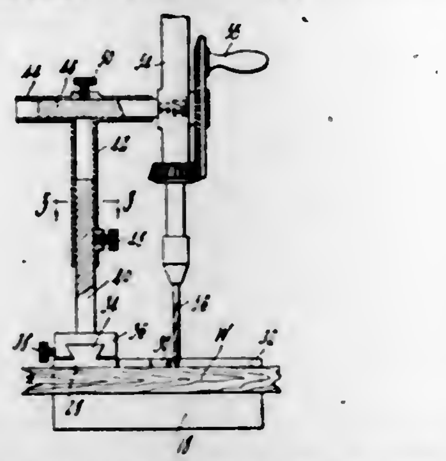


1. In combination with a diode rectifier circuit, means providing either amplitude modulated carrier waves or angle modulated carrier waves, means for deriving from either of said waves the carrier thereof substantially free of modulation, means for applying the carrier energy to said rectifier, means for selecting either of said modulated waves in a predetermined phase relation relative to the said modulation-free carrier energy, means applying the selected waves to said rectifier, and means for deriving from the rectifier circuit modulation signals corresponding to the modulation on the said selected waves.

2,416,912

DRILL SUPPORT

Frank De Curtis, Queens Village, N. Y.
Application September 20, 1945, Serial No. 617,544
4 Claims. (Cl. 77—13)

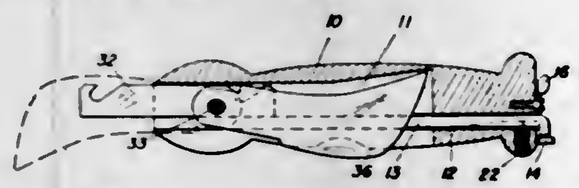


1. A device of the class described comprising a base adapted to be clamped to one jaw of a vise, a horizontal rail on said base, a slide movable along said rail, means for clamping said slide to said rail, a telescoping standard mounted on said slide, a non-rotatable horizontal rod mounted on said standard at its upper end and axially adjustable thereon, and a hand drill secured to one end of said rod with its axis parallel to said standard.

2,416,913

LINOLEUM KNIFE

Bruno Del Debbio and Walter Lister, San Francisco, Calif.
Application September 27, 1945, Serial No. 618,818
1 Claim. (Cl. 30—152)

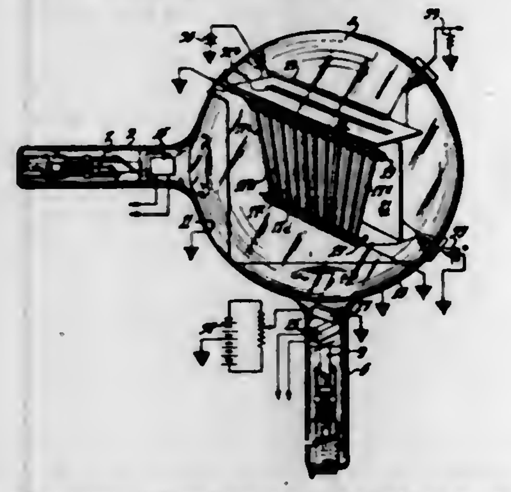


In a tool of the character described, a handle having a slot formed longitudinally thereof, a pair of knives positioned in said slot and secured by a single screw-pin, said pin abutting one of said knives and forming a pivot for the other of said knives.

2,416,914

ELECTRON DISCHARGE DEVICE

Thomas T. Eaton, Haddon Heights, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 30, 1943, Serial No. 496,741
13 Claims. (Cl. 250—150)

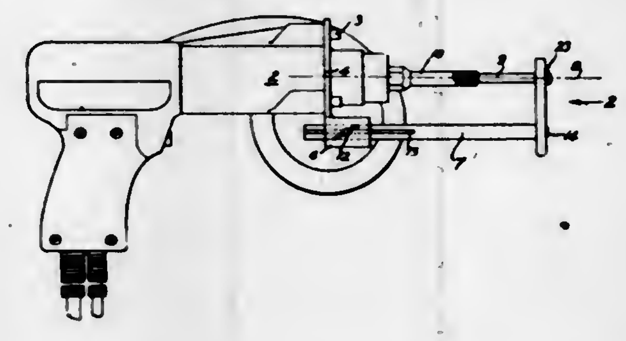


1. An electron discharge device comprising an evacuated envelope, a plurality of pairs of capacitor armatures mounted within said envelope with one armature of each pair arranged substantially in a common plane and presented in useful capacitive relation across an intervening space to the armature with which it is paired, an electron-gun mounted to project a stream of electrons upon said first mentioned armatures, a second electron-gun mounted to project a beam of electrons through said intervening space along an axis substantially parallel to said common plane, and an output electrode assembly mounted on the side of said intervening space which is remote from said second electron-gun and upon which the electrons from said second gun impinge.

2,416,915

SINGLE LEG SUPPORT FOR WELDING GUNS

Charles S. Evans, Atherton, Calif., assignor to Ted Nelson, San Leandro, Calif.
Application July 6, 1945, Serial No. 603,515
9 Claims. (Cl. 219—4)

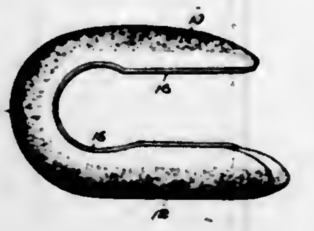


1. In a gun for welding a stud within an enclosing ferrule, a chuck for carrying the stud, a chuck for carrying the ferrule, and a support for the ferrule chuck mounted on the gun and positioned entirely to one side of the stud chuck.

2,416,916

DOLLY

William H. Ferguson, Malden, Mass., assignor to H. K. Porter, Inc., Everett, Mass., a corporation of Massachusetts
Application April 21, 1945, Serial No. 589,566
2 Claims. (Cl. 81—15)

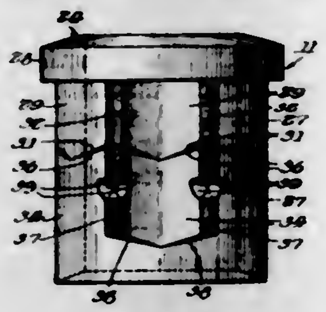


1. A tool of the class described comprising a portable body of substantial mass to offset the shock of hammer blows substantially U-shaped in section to fit loosely over the ends of the fingers of the hand, one of the legs of the U being in the form of a generally flat plate of an area substantially to cover the palmar area of at least the distal and medial phalanges of the fingers for suspension of the tool thereby and of a thickness to provide substantial rigidity under such hammer blows, the plate having its outer surface contoured to fit the concave side of a curvilinearly contoured, sheet metal panel and support it throughout a substantial space, the other leg when the tool is so suspended extending over the backs of the fingers.

2,416,917
PACKING GLAND

Murray A. Gleeson, Chicago, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois

Application November 29, 1943, Serial No. 512,233
3 Claims. (Cl. 286—31)

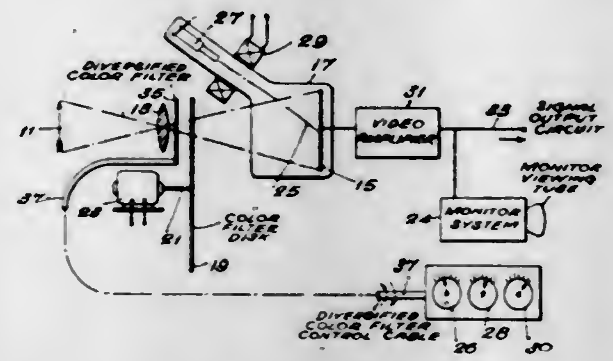


1. In a gland for a stuffing box or the like, the combination comprising a plurality of substantially tubular members, the walls of which are in axial alignment, one of the said tubular members having an annular flanged portion at its upper end with a plurality of annular spaced apart projections depending therefrom, one of the tubular members having longitudinal projections normally engageable with the spaces between the first named projections, whereupon predetermined axial movement and subsequent rotation of one of the tubular members relative to the other tubular member the overall length of the gland is increased by an amount measured by the combined axial length of the projections on the tubular members.

2,416,918
COLOR TELEVISION SYSTEM

Alfred N. Goldsmith, New York, N. Y., assignor to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application November 29, 1943, Serial No. 512,119
25 Claims. (Cl. 178—5.2)

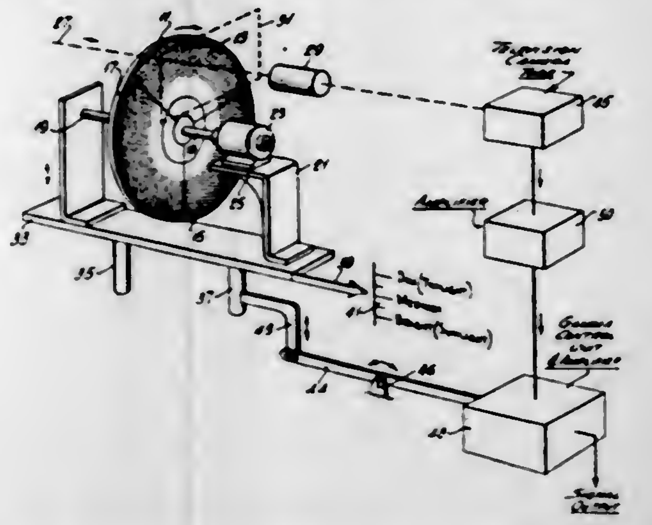


1. In a system which includes an image forming optical system, a light responsive image receiving area, and component-color filter means adapted to present light of different component colors to the light responsive image receiving area, the combination comprising a relatively fixed position color balancing filter element supported in intersecting relationship to and in a non-imaging position in the image forming light beam path of the optical system so as to include at least the complete beam cross-section, and means to adjust the said color balancing filter with a component of motion relative to the axis of the optical system and within the image forming light beam path so as to vary the proportions of the filter color areas in the optical path so as thereby to provide a controllably variable color range thereof toward and away from each of the selected component colors as presented to the image receiving areas.

2,416,919
TELEVISION APPARATUS

Alfred N. Goldsmith, New York, N. Y.

Application December 16, 1944, Serial No. 568,458
18 Claims. (Cl. 178—5.2)

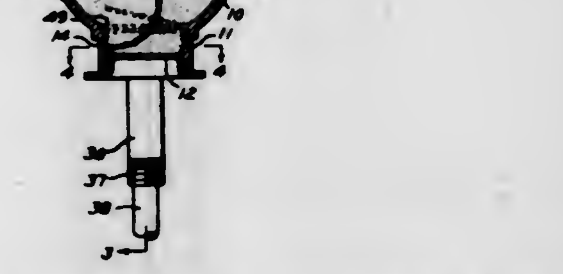


1. In a color saturation control system wherein light rays representative of an optical image are directed to form image representations on a suitable light responsive target element, the combination comprising a plurality of component color separation filter elements each positioned in a non-image forming plane in the path of light rays to the target, each of said filter areas having a progressively and predeterminedly changing color absorption ratio in the selected component colors with the absorption ratio varying between limits of substantially full color and substantially a transparency, and means to effect a conjoint variation of the color separation filter light absorption areas effectively included in said light ray path for each component color in any desired degree between substantially full color and a substantial black and white.

2,416,920
POWDER DUSTER

Charles W. Hawthorne, Conneautville, Pa.

Application June 8, 1944, Serial No. 539,250
11 Claims. (Cl. 43—146)

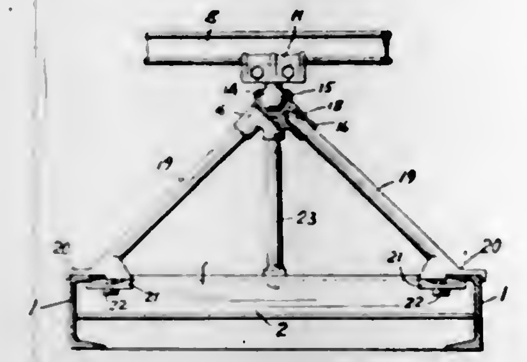


1. A powder duster comprising a receptacle shaped to retain a mass of powder and provided with a discharge orifice, a tube extending through the receptacle to the orifice, and means to force a stream of air through the tube to the orifice, the tube having a narrow helical slit therein through which powder will be drawn from the said mass by the inspirating action of the air stream.

2,416,921
TOWING DEVICE

James W. Hingley, Chester, Pa.

Application September 12, 1944, Serial No. 553,724
3 Claims. (Cl. 280—33.44)

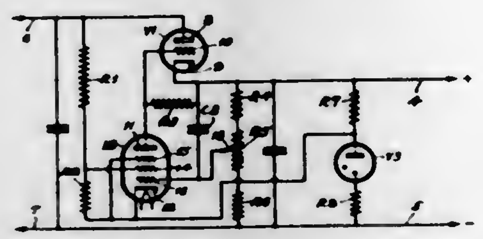


1. A towing device comprising, a socket member, a pair of supports extending oppositely from said socket member at a downward angle, means for securing said supports to the side members of the frame of a tow vehicle, a third support extending downwardly from said socket member and at an angle to the said first support, means to secure said third support to a cross member of the frame of the tow vehicle intermediate of the side frame members, a ball member engaged with the socket member and means to secure a ball member to the front axle of a vehicle to be towed.

2,416,922
VOLTAGE REGULATING CIRCUITS

Alfred John Irish and Donald Gordon Lindsay, Sydney, New South Wales, Australia, assignors to Amalgamated Wireless (Australasia) Limited, Sydney, New South Wales, Australia, a company of New South Wales

Application August 30, 1943, Serial No. 500,546
In Australia February 3, 1943
1 Claim. (Cl. 171—312)

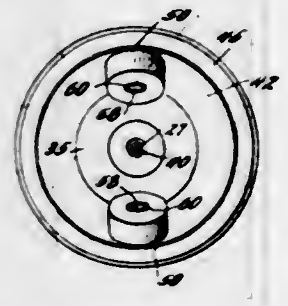


In a system of the type comprising a pair of current leads of a relatively high potential difference, a regulator tube having at least a cathode, control grid and plate, the plate to cathode impedance of the regulator tube being connected in series in the high potential lead; the improvement comprising a control tube provided with at least a cathode, control grid, screen grid and plate, a first voltage divider connected across said leads, means connecting said control tube cathode to a point on the divider which is highly positive relative to the low potential lead, a second voltage divider connected from the plate of the regulator tube to said control tube cathode, means connecting said screen grid to a predetermined intermediate point on the second divider, a third voltage divider connected in parallel with at least a portion of the first divider, means connecting the control grid of the control tube to a predetermined intermediate point on the third divider, and a resistive element, disposed in the space current path of the control tube, connected between the control grid and cathode of the regulator tube, a stabilizing tube of the gas-filled type having its plate to cathode path in series between two resistive sections of the first divider, said third divider being connected in shunt with said last-mentioned path, and said control grid connection to said third divider being adjustable and being free of electron discharge devices.

2,416,923
SPRAY GUN

Alexander F. Jenkins, Baltimore, Md., assignor to The Alexander Milburn Company, Baltimore, Md., a corporation of Maryland

Application August 30, 1943, Serial No. 500,579
7 Claims. (Cl. 299—140.1)

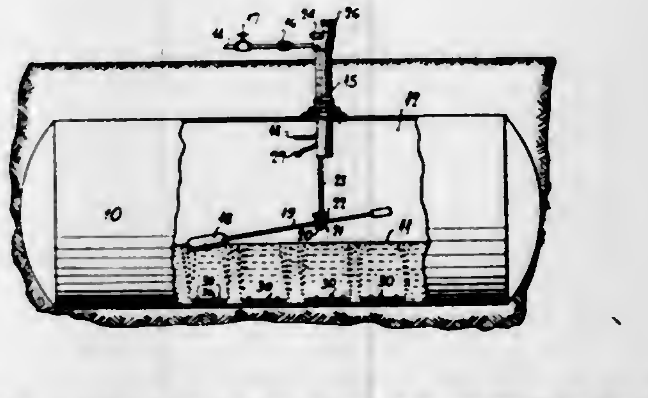


1. In a spraying device of the class described, a nozzle comprising, in combination, means centrally thereof for discharging a liquid spray, and means disposed at each side of said first named means for discharging a tubular jet of air against said spray to modify its cross sectional configuration, said second named means each being so constructed and arranged that one diameter of said tubular jet is longer than the diameter at right angles thereto, the shorter diameters of the jets being co-planar and directed so as to intersect the axis of the central spray discharging means if projected.

2,416,924
METHOD AND MEANS FOR PRODUCING EBULLITION IN LIQUEFIED PETROLEUM GASES

Nelson M. Jones, Sarasota, Fla., assignor to Green's Fuel, Incorporated, Sarasota, Fla., a corporation of Florida

Application February 27, 1943, Serial No. 477,373
3 Claims. (Cl. 62—1)



1. The method of promoting vaporization in a confined body of liquefied fuel, which includes submerging in said body one or more rods each comprising a jointfree portion of rattanlike plant matter and having the capillary passages at the end of the rod open for penetration by the liquefied fuel and the portions between the ends protected by the natural skin of the plant.

2,416,925
PRESSURE-SENSITIVE ADHESIVE SHEET MATERIALS

Milton H. Kemp, Oak Park, Ill., assignor to The Kendall Company, Boston, Mass., a corporation of Massachusetts
No Drawing. Application July 27, 1943, Serial No. 496,307
3 Claims. (Cl. 117—122)

1. A surgical adhesive tape comprising a flexible sheet backing having on one side thereof a coating of a normally tacky pressure-sensitive surgical adhesive consisting essentially of the following ingredients in the following amounts by weight of the adhesive: crude rubber less than 22.5% and of the order of 20%, 30 to 45% filler, 8 to 11% non-volatile liquid plasticizer and about 25% of a normally solid resin constituent, at least one-half of said resin constituent being treated rosin (Poly-pale resin) containing approximately 40% polymeric abietic and other resin acids and having a melting point of 198–201° F.

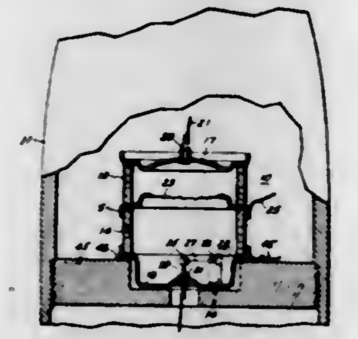
2,416,926
PRESSURE-SENSITIVE ADHESIVE TAPES

Milton H. Kemp, Oak Park, Ill., assignor to The Kendall Company, Boston, Mass., a corporation of Massachusetts
No Drawing. Application July 27, 1943, Serial No. 496,308
2 Claims. (Cl. 117—122)

1. A surgical adhesive tape comprising a flexible sheet backing material bearing on one side thereof a uniform exposed coating of a normally tacky viscous plastic pressure-sensitive adhesive having as its cohesive base a sulfurized admixture of crude rubber and resin, and containing a non-volatile liquid plasticizer and pulverulent filler in the following amounts by weight of the adhesive: crude rubber component from 10 to 12½%, resin component not more than about 20% but in excess of the amount of crude rubber component, non-volatile liquid plasticizer from 10 to 15%, and pulverulent filler from 50 to 60%.

2,416,927
GASEOUS DISCHARGE DEVICE

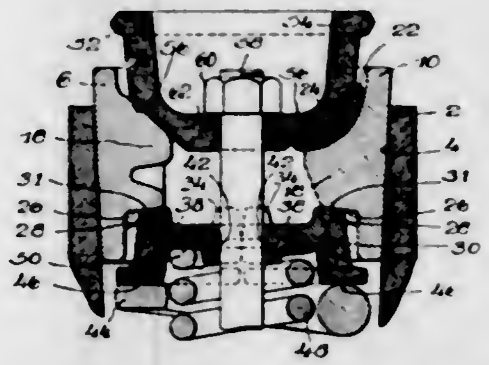
Kenneth H. Kingdon and Elliott J. Lawton, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application October 13, 1941, Serial No. 414,710
4 Claims. (Cl. 250—27.5)



1. A gas-filled discharge device including an anode and a cathode, said cathode including an exposed heatable filament of uncoated metal, a body of metal electrically connected to the filament but sufficiently separated therefrom to prevent thermionic emission from the body solely as a result of heat received from the filament, and an insulating substance on the surface of said body providing exposed boundaries therebetween for facilitating the initiation of field emission from said body in the presence of ionization produced in the device by electron flow from said filament.

2,416,928
DRAFT GEAR

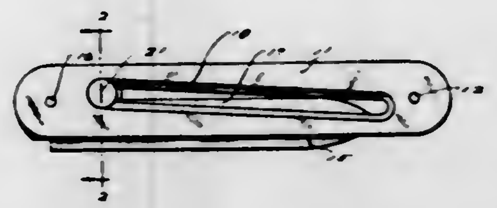
Edmund P. Kinne, Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application November 26, 1943, Serial No. 511,806
10 Claims. (Cl. 213—34)



1. In a draft gear, a housing having an open end with an internal friction surface flaring toward said end, a plurality of friction shoes engaging said surface, a compression spring, a spring cap thereon, an equalizer seated on said cap and bearing against said shoes, a wedge insert recessed in one of said shoes and presenting a wedge surface, wedge surfaces on the other of said shoes, and an outer wedge follower in complementary wedge engagement with all of the said wedge surfaces, all of said wedge surfaces being at approximately the same angle with respect to the axis of the gear, said insert being seated against an arcuate face on its associated shoe, said arcuate face being so formed and arranged that the extremity thereof closest to the open end of said housing is farther from the longitudinal axis of the gear than any other portion of said arcuate face.

2,416,929
POCKETKNIFE

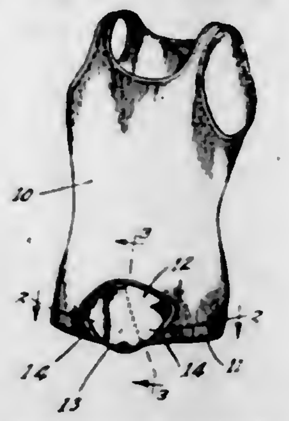
Bertha M. Kjorsvik, Wabasso, Fla.
Application November 8, 1944, Serial No. 562,479
1 Claim. (Cl. 30—138)



In a device of the character described, a casing including side walls having longitudinally extending, angularly disposed, aligned transverse slots therein, a blade hingedly mounted and foldable between said side walls, said slots inclining from the hinge toward the point of said blade, and a sharpening element movable in said casing along said blade, said element including rotatable convex disks, oppositely disposed, mounted on an axle extending through said slots, finger-grips extending exteriorly of said slots, and spacer collars within said casing on opposite sides of said element to center the same on said blade.

2,416,930
GARMENT

Howard C. Lallmang, Eggertsville, N. Y.
Application October 20, 1943, Serial No. 507,000
1 Claim. (Cl. 128—159)



A shirt suspensory comprising a knit undershirt formed of a knit stitch which enables substantial stretching of the garment in a direction around the body of the wearer and having substantially the same length all around its lower edge, said garment having a notch or cut-out portion of substantial ovate shape in its lower central front extending from the lower edge of the undershirt upwardly a substantial distance, and an insert of preformed knit material stretchable substantially in a direction around the body and larger than the cut-out portion and of substantially the same configuration and secured across and closing said notch and having an outwardly cupped fullness in its center and of a size to adequately receive and support the scrotum of the wearer and provided with a fly opening in the approximate center of said insert, said insert having its lower edge at the center extended rearwardly of the central portion of its upper edge, whereby the insert forms a pocket for receiving and supporting the scrotum of the wearer.

2,416,931
RING CLOSURE OF POLYNUCLEAR QUINONES WITH TETRACHLORIDES OR TETRABROMIDES OF TITANIUM OR ZIRCONIUM

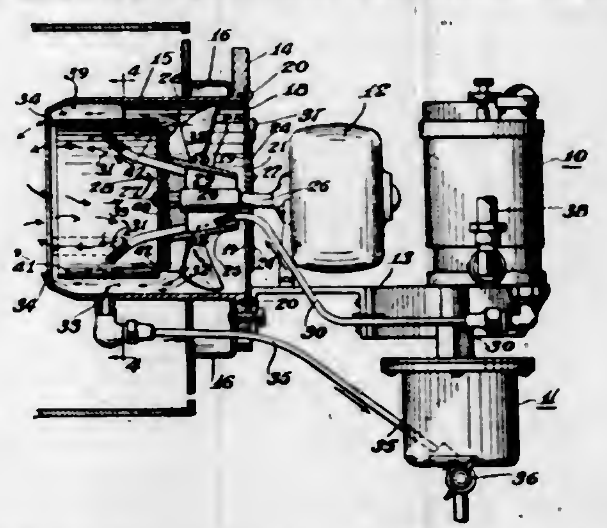
Hans Z. Lecher, Plainfield, and Mario Scalera and Warren S. Forster, Somerville, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application July 19, 1944, Serial No. 545,738
20 Claims. (Cl. 260—316)

1. A process of ring closing polynuclear quinones through the connection of carbon atoms originally members of different aromatic rings to produce compounds containing at least one additional ring, said additional ring being selected from the group consisting of carbocyclic and mononitrogen heterocyclic rings, which comprises reacting at elevated temperature a polynuclear quinone capable of such ring closure with a condensing agent selected from the group consisting of tetrachlorides and tetrabromides of titanium and zirconium.

2,416,932
OIL BURNER

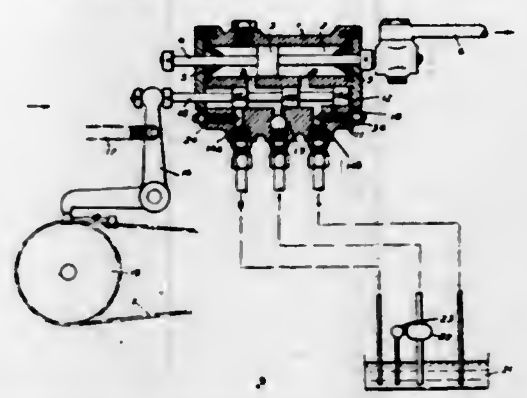
David Parker Litzenberg, Philadelphia, Pa., assignor to Motor Parts Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 13, 1943, Serial No. 498,566
3 Claims. (Cl. 158—77)

2. An oil burner comprising means forming a combustion chamber provided with an opening in an outer wall thereof, an elongated generally cylindrical sleeve within said combustion chamber and aligned with and extending from said opening, said sleeve being open at its inner end and having adjustable air intake ports at its outer end, a barrel mounted within said sleeve and appreciably spaced therefrom radially, said barrel having its open inner end terminating short of the inner end of said sleeve, means for atomizing fuel oil inside said barrel, means for introducing a relatively small peripheral stream of air into the rear end of said barrel, said peripheral stream of air being sufficient to support appreciable combustion of fuel oil within said barrel at low fire settings but being insufficient to support appreciable combustion of fuel oil within said barrel at high fire settings, and means disposed within said sleeve for drawing air through said ports and blowing it inwardly through the annular space intermediate the barrel and the sleeve and across the open end of said barrel, thereby to suck vaporized oil from said barrel into a combustible mixture with the air and to cause eddying of hot combustion gases into the barrel at high fire settings.



2,416,933
PATTERNING MECHANISM

John Edward Lynam, Mapperley, and Patrick Gideon McCarthy, Whitwick, England, assignors to William Cotton Limited, Loughborough, England
Application July 21, 1945, Serial No. 606,400
In Great Britain March 14, 1945
2 Claims. (Cl. 66—154)

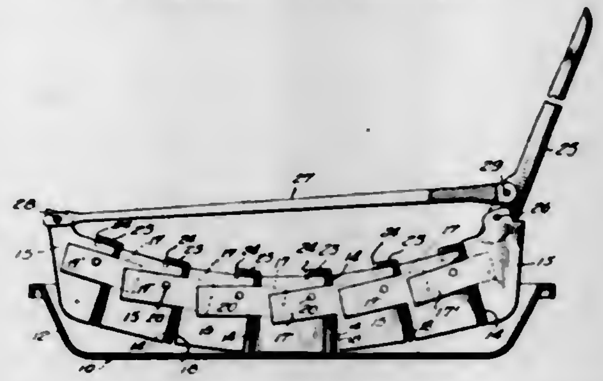


1. Patterning mechanism, comprising a plurality of actuators of the piston-and-cylinder type movable individually by fluid pressure, valve mechanism for controlling the distribution of fluid pressure thereto and including a movable valve for each actuator, a cyclic patterning device having a pattern track for each valve member which track comprises a sequence of patterning elements set out to produce a predetermined

sequence of movements of the associated valve and actuator, means for racking said device step by step through its cycle, and, for each track and the associated valve, a feeler movable by the pattern elements of said track to effect corresponding movement of said valve.

2,416,934
ICE CUBE TRAY

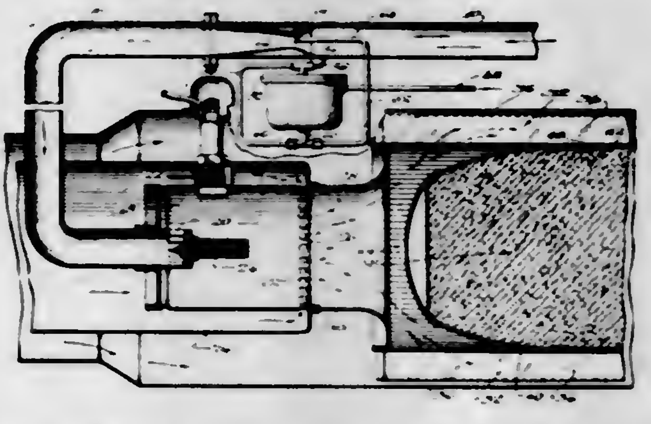
Logan L. Mallard, Norfolk, Va., assignor of one-half to H. Clay Hofheimer II, Norfolk, Va.
Application November 9, 1938, Serial No. 239,723
9 Claims. (Cl. 62—108.5)



1. An ice cube tray comprising a receptacle, a grid structure arranged in said receptacle comprising a plurality of transverse sections and a plurality of respectively relatively rigid longitudinal sections connected for relative movement with respect to each other, and lever means for effecting relative movement of said longitudinal sections comprising a member pivotally connected directly to said grid structure adjacent one end thereof, a second member pivotally connected at one end directly to said grid structure adjacent the other end thereof, said second member being shorter than the over-all length of said grid structure and pivotally connected at its other end to said first member.

2,416,935
ALTITUDE COMPENSATING HEATING SYSTEM

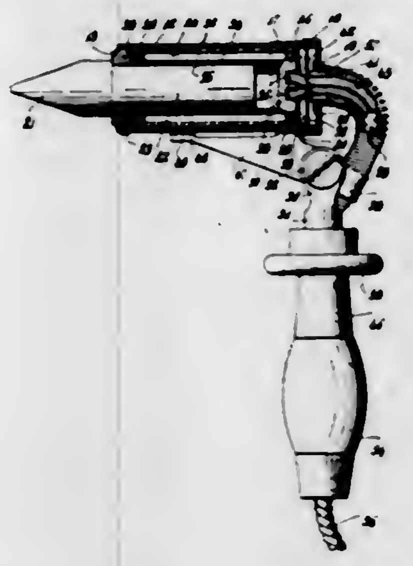
Henry J. De N. McCollum, Chicago, Ill.; Thelma McCollum executrix of said Henry J. De N. McCollum, deceased, assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application August 27, 1942, Serial No. 456,335
3 Claims. (Cl. 158—28)



1. An altitude compensating internal combustion aircraft heater comprising combustion chamber means, carbureting means separate from the combustion chamber adapted to form a combustible mixture of a liquid fuel and air, means forming a passage connecting said carbureting means with the combustion chamber and discharging said mixture into said chamber, means associated with the combustion chamber means for igniting said combustible mixture therein, heat exchanger, conduit means connecting the combustion chamber with the heat exchanger to conduct the products of combustion to said heat exchanger and providing a secondary combustion zone between the chamber and said heat exchanger, a tubular jacket around the combustion chamber for introducing additional air into said chamber, the combustion chamber means having ports in its wall at the connection between said chamber and said conduit means and the jacket including an end wall adjacent said ports and serving to direct the air therethrough, and an annular baffle at the said connection positioned to force said air to flow transversely of the general direction of movement of gases from the combustion chamber to the secondary combustion zone.

2,416,936
ELECTRICALLY HEATED SOLDERING DEVICE

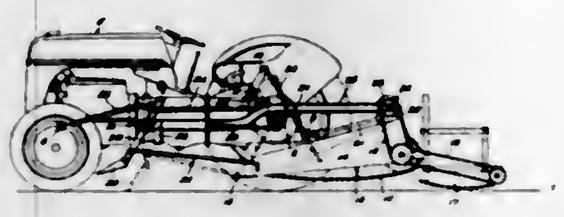
Benjamin P. McKinley, Manatee County, Fla., assignor to McKinley-Mockenhaupt Co., Chicago, Ill., a corporation of Illinois
Application February 16, 1944, Serial No. 522,592
3 Claims. (Cl. 219—26)



1. An electric soldering device including a tubular shell enclosing and carrying a tubular electric heating element, a soldering bit arranged on one end of a shank extended into the heating element in the shell with the bit projecting from one end of the shell, a closure cap removably mounted on the opposite end of the shell, electric conductors connected to the heating element and extended through an opening centrally in the closure cap, a tubular hand grip adapted for the engagement of the electric conductors in the bore thereof, a tubular member having a bifurcation at one end and the opposite end of said member engaged in the bore of the hand grip in surrounding relation to the conductors therein, a supporting member mounted on the shell and pivotally connected to the bifurcation of the tubular member to permit positioning the soldering bit into different angular positions relative to the hand grip, a guard embracing the conductors anchored at one end in the closure cap and the opposite end portion extended into the tubular member, and a U shaped guide member pivotally mounted between the bifurcation of the tubular member and embracing a portion of the guard adjacent the bifurcation of the tubular member.

2,416,937
POTATO HARVESTER WITH VINE LIFTER

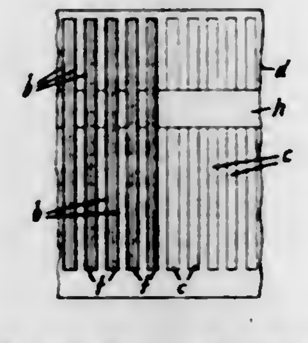
Henry E. Miller, Menan, Idaho
Application July 18, 1945, Serial No. 605,654
5 Claims. (Cl. 55—51)



1. In a potato or like harvesting machine, comprising a harvester unit and a tractor having a power actuated lift mechanism: a frame having forward portions secured to the body of the tractor and rearward portions pivotally supporting the harvester unit for vertical swinging movements; an oscillatory member mounted on the forward portions of said frame; operating connections between said oscillatory member and the tractor lift mechanism; and connections between the oscillatory member and the harvester unit whereby the latter may be swung vertically in response to actuation of the lift mechanism.

2,416,938
NEEDLE BED FOR USE IN KNITTING MACHINES

Alfred Morgenstern, Rottenburg-on-the-Neckar, Germany; vested in the Attorney General of the United States
Application July 3, 1941, Serial No. 401,023
In Germany July 26, 1940
9 Claims. (Cl. 66—115)

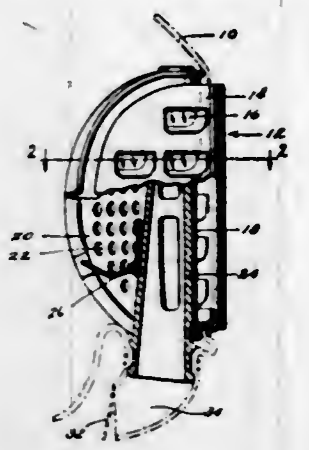


1. A needle bed for knitting machines comprising a bed member having substantially parallel spaced grooves in one face thereof thereby forming ribs between adjacent grooves, and a plurality of elongated elements disposed in each groove, at least two of said elements in each groove each having an elongated portion projecting outwardly beyond the outer faces of said ribs and in parallel spaced relationship one with another thereby forming elongated needle slots between the projecting portions, and the base of each of said slots lying substantially in the plane of said bed face.

2,416,939
SPEECH TRANSMITTER FOR MASKS

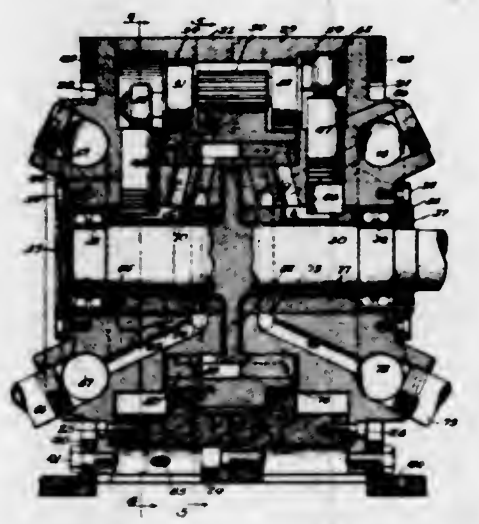
Charles T. Morrow, Cambridge, Mass., assignor to the United States of America, as represented by the Executive Secretary of the Office of Scientific Research and Development
Application January 17, 1946, Serial No. 641,826
1 Claim. (Cl. 128—141)

An article of the character described, comprising a facepiece casing, plate means tightly secured in sealed relation in the casing, said plate consisting of two semi-annular portions bent into a V-shaped member, a diaphragm element of a shape corresponding to that of the plate, said diaphragm including a relatively thick framework, a triangularly shaped tubing detachably clamped against the framework and having openings formed therethrough, said diaphragm normally lying in sealed relation to the openings in the triangularly shaped tubing to form a valve, a diaphragm support member located inside of the diaphragm, said diaphragm support having openings formed therethrough for the passage of the breath, said diaphragm being adapted to be urged outwardly upon exhalation, providing a passageway through the openings in the triangular valve member and thus forming an exhaust channel.



2,416,940
FLUID PRESSURE MOTOR

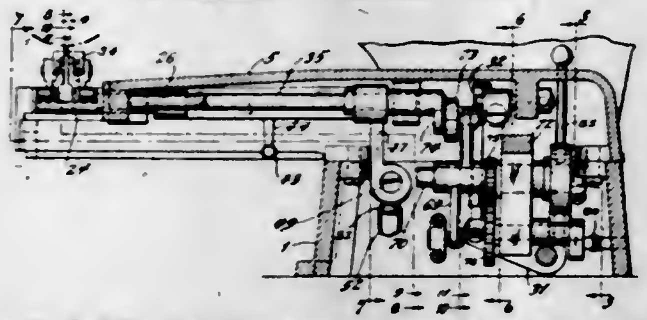
James E. Morton, Harvey, Ill.
Application April 13, 1945, Serial No. 588,171
15 Claims. (Cl. 121—121)



1. A motor operable by fluid under pressure comprising: a casing; an output shaft extending into and journalled in the casing; a series of radial cylinders in the casing; pistons radially slidable in the cylinders; valve-means including an annular member longitudinally offset from the cylinders, and a stationary member on the casing extending into said annular member for controlling the flow of fluid under pressure to and from the cylinders for operating the pistons; an annular series of pinions rotatably mounted in the casing, crank-elements on the pinions operable by the radial movement of the pistons, respectively, for driving said pinions; and a gear-wheel around and fixed to rotate with said annular valve member, the valve-member being fixed to rotate with the output shaft.

2,416,941
BLIND-STITCH MACHINE

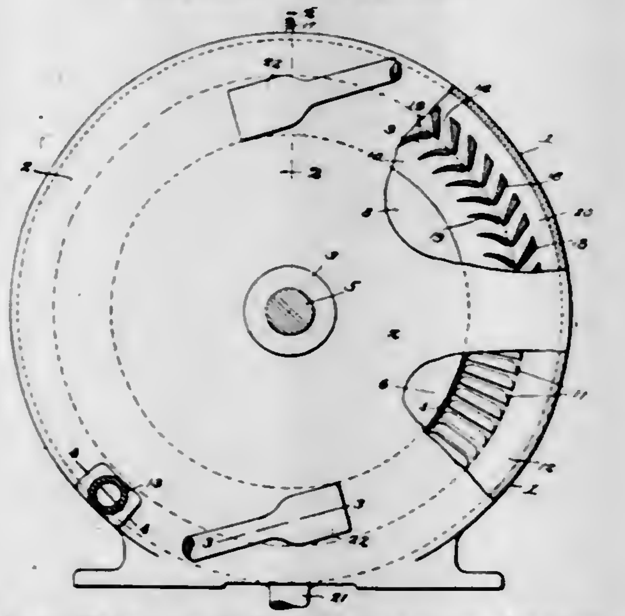
Charles W. Mueller, St. Louis, Mo., assignor to Lewis Invisible Stitch Machine Company, a corporation of Maine
Application July 29, 1943, Serial No. 496,579
15 Claims. (Cl. 112—176)



1. In a blind-stitch sewing machine of the kind described, the combination comprising a presser foot having an opening therethrough, stitch-forming mechanism on one side of the presser foot, work-presenting mechanism for presenting work to the stitch-forming mechanism including a movable node-former movable toward and away from the presser foot, mechanism for effecting movement of the node-former in timed relation with respect to the stitch-forming mechanism, a work support for supporting the work against the presser foot mounted for movement toward and away from the presser foot independently of the node-former, and means for acting upon said mechanism for effecting movement of the node-former away from the presser foot, and means for moving the work-support away from the presser foot including means for actuating said means for effecting movement of the node-former away from the pressure foot.

2,416,942
COMBINED STEAM AND COMBUSTION GAS TURBINE

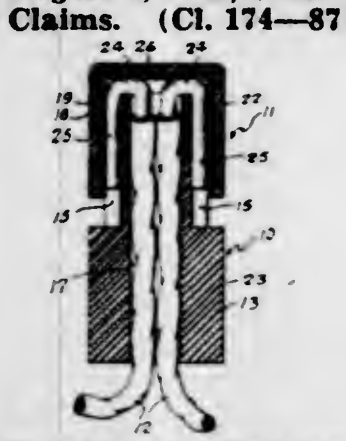
Benjamin Franklin Newcomer, Washington, D. C.
Application August 1, 1944, Serial No. 547,567
2 Claims. (Cl. 60—49)



1. A turbine including a housing having opposed heads, opposed rings fixed relative to the housing and heads and defining an annular steam exhaust chamber and annular side exhaust chambers, a rotor between the heads and having annular series of radial buckets in the sides thereof opening into the respective side exhaust chambers, said buckets being closed at their inner ends, an annular steam generating chamber in the rotor, annular series of vanes defining spaced ports opening from the steam generating chamber through the periphery of the rotor, annular series of vanes integral with the rings and defining ports leading from the inner peripheries of the rings to the steam exhaust chamber, said ports communicating between the aforesaid ports opening from the steam generating chamber, and the steam exhaust chamber, means for directing burning fuel through the heads of the housing and against the buckets along lines in the direction of rotation of the rotor, the buckets constituting means for directing the spent products of combustion into the side exhaust chambers, and said products of combustion constituting means for heating the steam generating chamber to provide an annular flash boiler, and means for delivering water through the housing and rotor and into the steam generating chamber for conversion into steam, the relative positions of the annular series of vanes defining the ports opening from the steam generating chamber being such as to effect actuation of the rotor by the escaping generated steam.

2,416,943
CONNECTOR FOR CONDUCTOR WIRES

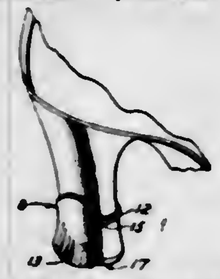
John Nicolazzo, Bridgeport, Conn.
Application August 3, 1945, Serial No. 608,733
2 Claims. (Cl. 174—87)



1. A connector for electrical conductor wires comprising a body member of insulating material including an enlarged portion forming a hand grip and a reduced threaded portion, said body being provided with a longitudinal passage through its length and at least one longitudinal groove in the outer side wall of the reduced portion leading from its free end, said passage adapted to receive a conductor wire and said groove being adapted to receive the bared free end portion of the wire in said passage bent reversely over the end wall of the reduced portion of the body, a cap of insulating material also forming a hand grip and provided with a socket leading from one end threaded onto said reduced portion over the groove to retain the wire in the groove, and a metal insert secured in the inner end of the socket clamped against said wire.

2,416,944
SPLASH SHIELD

Clarence F. Norlin, Chicago, Ill.
Application April 28, 1945, Serial No. 590,928
6 Claims. (Cl. 36—70)



1. A splash shield for footwear comprising a continuous solid disc-like member, said member having a plurality of slits in one portion thereof to form a fringe, said member having an elongated slit therein arranged to further divide said member into a vertcial heel engaging portion and a horizontal band for encircling said heel to position said member with the fringe terminating to the rear of the heel cap and slightly below the plane thereof.

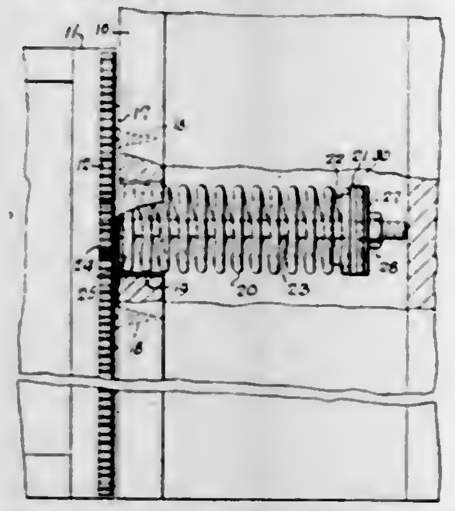
2,416,945
METHOD OF CONCENTRATING COFFEE

Harry A. Noyes, Watertown, Mass.
No Drawing. Application October 2, 1945, Serial No. 619,898
3 Claims. (Cl. 99—71)

1. The method of producing a liquid coffee concentrate, which comprises making an infusion by intimate contact of hot water with ground coffee, freezing a quantity of such infusion to solid condition with lowering of its temperature substantially below its freezing point, then adding heat to the frozen mass at temperatures always below the freezing point of water, at a rate such that the effects of heat are distributed substantially uniformly throughout the mass and with gradual accretions of heat until a scale-like arrangement of crystals develops and liquid separates therefrom, and drawing off the separated liquid.

2,416,946
WINDOW SASH CONTROL

Charles E. Nygren, Waterbury, Conn.
Application August 1, 1945, Serial No. 608,112
7 Claims. (Cl. 292—72)

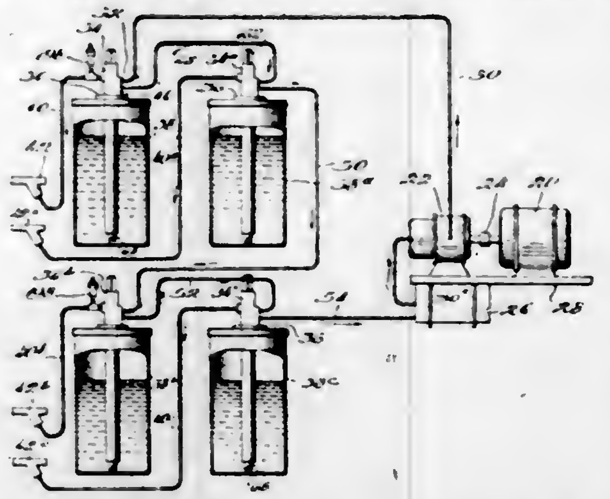


1. A control device of the character described, comprising a rack adapted to be mounted on a sliding sash, a support adapted to be mounted in a stile of a window frame in which the sash is slidable, a shaft mounted in the support, a gear secured to the shaft for meshing with the rack, a coil spring embracing the shaft, a friction washer slidable on the shaft and seated against the inner end of the spring, and a second friction washer having frictional engagement with the first washer and keyed to the shaft to be rotated thereby.

2,416,947
DISCHARGE PRESSURE CONTROLLED HYDRAULICALLY OPERATED DISPENSING PUMP

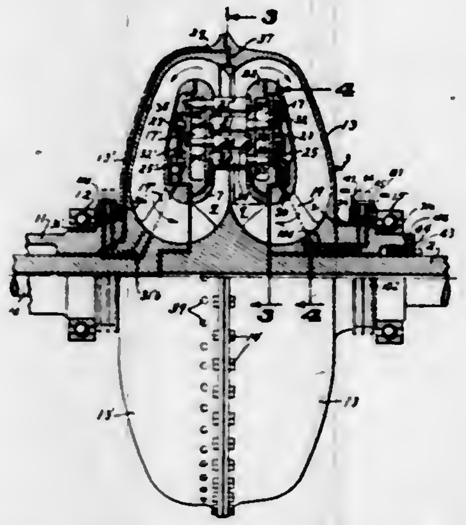
George H. Palm, Chicago, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application April 30, 1943, Serial No. 485,097
21 Claims. (Cl. 222—135)

3. A system of the class described, comprising a gear pump, an electric motor for driving said pump, a reservoir for supplying primary fluid to said pump, a first compressor, a pipe connecting said pump and compressor, a second compressor, a second pipe connecting said compressors, means for returning primary fluid from said second compressor to said reservoir, pumping mechanism in each of said compressors operated by said primary fluid, normally open valve mechanism in each of said compressors for permitting free flow of primary fluid therethrough, a discharge conduit for each compressor, a control valve normally closing each of said conduits, means responsive to pressure in said conduits controlling the operation of said compressors, and an automatic booster on the outlet side of each control valve and operated by energy derived from said pump.



2,416,948
HYDRAULIC TURBINE TYPE TORQUE CONVERTER AND FLUID COUPLING

Vladimir H. Pavlecka, Pacific Palisades, Calif., assignor to Northrop Aircraft, Inc., Hawthorne, Calif., a corporation of California
Application October 11, 1940, Serial No. 360,707
13 Claims. (Cl. 60—54)



1. A torque converter comprising a primary shaft, a centrifugal pump rotor secured to said shaft, a secondary shaft, a wheel secured to said secondary shaft, a housing surrounding said wheel and rotor and forming therewith a toroidal passage, reaction turbine blades of airfoil section pivotally mounted to said wheel adjacent the periphery of said rotor to receive radially the discharge therefrom, an annulus mounted within said housing for limited rotation with respect to said wheel, linkage between said blades and said annulus for varying the angle of attack of said blades upon relative rotation of said annulus and said wheel, a piston and piston chamber con-

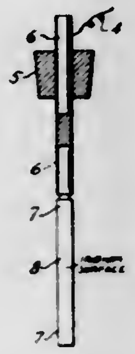
necting said annulus and wheel and operative to cause such relative rotation, and means for supplying hydraulic pressure within said piston chamber to vary said angle of attack.

2,416,949
CELL FOR pH MEASUREMENTS

George A. Perley, Wyncote, Pa., and James B. Godshalk, Bowie, Md., assignors to Leeds and Northrup Company, Philadelphia, Pa., a corporation of Pennsylvania

Application June 10, 1942, Serial No. 446,530

8 Claims. (Cl. 204—195)



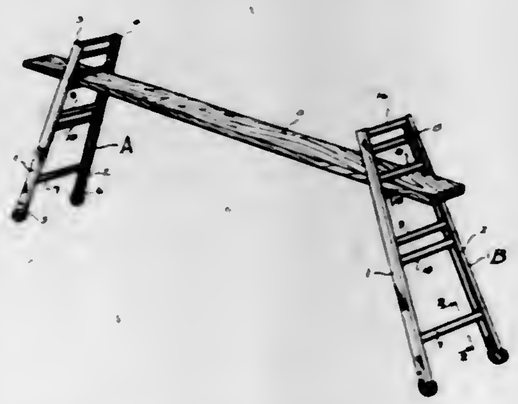
1. A cell for measuring the pH of a solution containing molecular oxygen and free of molecular hydrogen comprising in contact with the solution a non-porous iridium measuring electrode, uncontaminated by occluded hydrogen, and whose voltage/pH characteristic is consistently reproducible and approximates that of the theoretical oxygen electrode.

2,416,950
PORTABLE SCAFFOLDING

Walter A. Pohrman, Vancouver, Wash.

Application January 28, 1946, Serial No. 643,879

5 Claims. (Cl. 304—3)



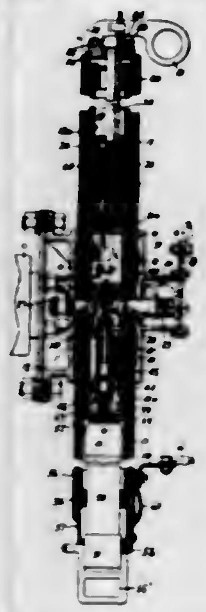
1. In a scaffold comprising a pair of ladder sections and a scaffold board supported between them, each ladder section having uprights and pairs of rungs joining said uprights and spaced in longitudinal alinement and at longitudinal intervals between said uprights, said rungs being adapted to receive and support said scaffold board between them and said pairs of rungs being spaced apart a distance only slightly greater than the thickness of said scaffold board so that when said ladders are inclined obliquely to said scaffold board they will pinch and hold such scaffold board securely without requiring auxiliary fastening devices.

2,416,951
SWITCHING MEANS

David C. Prince, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application September 26, 1942, Serial No. 459,792

8 Claims. (Cl. 200—88)



3. In an electric switching means, a circuit interrupting device comprising a pair of relatively movable contacts, means comprising a pair of relatively movable concentrically arranged tubular casings of insulating material the external transverse dimensions of the inner casing and the internal transverse dimensions of the outer casing being proportioned to provide an annular arc space within which the arc drawn upon relative separation of said contacts is confined, means for urging relative separation of said contacts, latching means for holding said contacts in current carrying engagement against the force of said last mentioned means, means for releasing said latching means in response to an abnormal current condition so that the inner one of said concentrically arranged tubular casings moves downwardly relative to the outer casing, means supported from said inner casing and adapted to extend out of the lower end of said outer casing upon downward movement of said inner casing to provide a visual indication of the operation of said switching means, said last mentioned means comprising a fusible element connected in series with said contacts to interrupt the circuit under high current conditions.

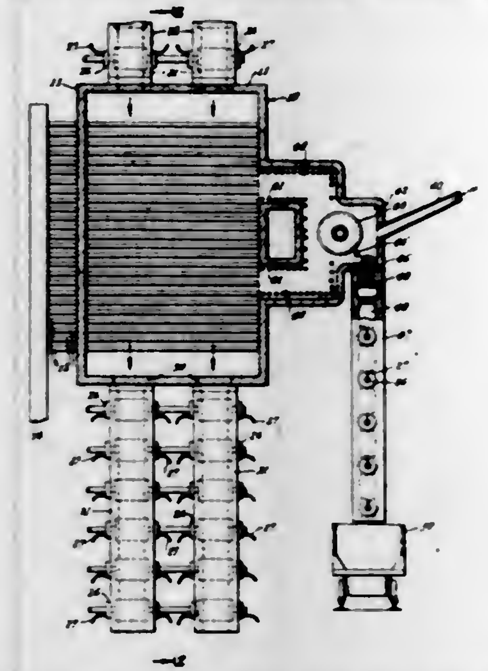
2,416,952
REDUCTION OF MAGNESIUM

Charles F. Ramseyer, Old Greenwich, Conn., assignor to H. A. Brassert & Company, New York, N. Y., a corporation of Illinois

Application August 7, 1943, Serial No. 497,790

6 Claims. (Cl. 266—19)

1. An apparatus for the production of magnesium comprising a furnace containing a plurality of spaced banks of radiant heat tubes providing vertical passages therebetween, means heating said tubes to radiance, a plurality of ducts having a multiplicity of vacuum locks therein for introducing a mixture of intimately commingled magnesium oxide containing material and solid reducing material through the passages between the respective banks of tubes in radiant heat transfer relationship therewith, a condensing chamber, a duct connecting said condensing chamber with said furnace for supplying magnesium vapor from said furnace to said condensing chamber, means maintaining said condensing chamber and said furnace under a high vacuum, and means including ducts having a multiplicity of vacuum locks therein for removing the spent material therefrom.



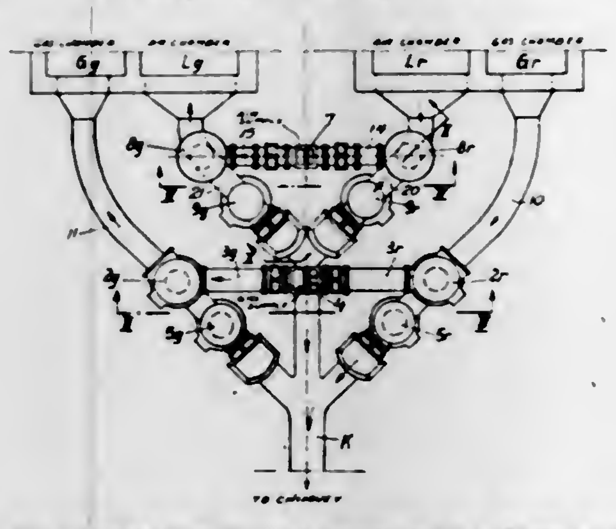
2,416,953
REVERSING APPARATUS FOR FURNACES

Otto Reiner, Rheinhausen-Nrh.-Hochemmerich, Germany; vested in the Attorney General of the United States

Application March 9, 1940, Serial No. 323,160

In Germany November 15, 1937

2 Claims. (Cl. 158—7.5)



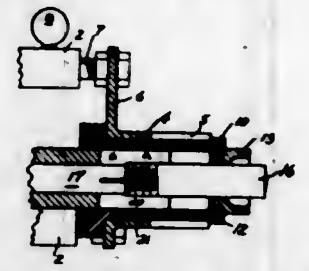
1. In apparatus for reversing the flow of heating gas and air in an alternately heated regenerative furnace having air chambers and gas chambers; a gas supply conduit having branches, a valve for directing gas from said supply conduit into any of said branches, a chimney conduit connected between each furnace gas chamber and related ones of said branches, other valves for closing off the said branches individually, valves for individually closing the chimney conduits at points between the chimney and the branches of the gas conduit, an air supply conduit, a further valve for closing said air supply conduit, said air supply conduit having branches connected with the furnace air chambers, branches connecting said chimney conduit with the air supply conduit branches, further valves for individually closing the air supply conduit branches, and other valves arranged for individually closing the chimney conduit branches at points between the connections of the chimney conduit branches with the chimney conduit and with said air supply conduit branches.

2,416,954
STUD WELDING GUN

Herbert S. Remmer, Oakland, Calif., assignor to Ted Nelson, San Leandro, Calif.

Application February 26, 1945, Serial No. 579,707

6 Claims. (Cl. 219—4)



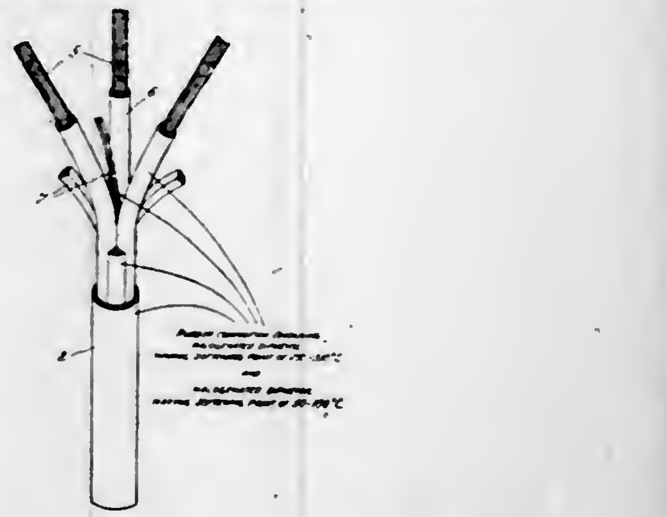
1. In a gun for welding a stud within an enclosing ferrule, a chuck for carrying the stud, a sleeve surrounding the stud chuck, means for adjusting the sleeve axially relative to the stud chuck, a dielectric bushing between the sleeve and stud chuck, and a collet on the sleeve for carrying the ferrule.

2,416,955
HEAT-RESISTANT ELECTRIC INSULATION COMPRISING RUBBER AND CHLORINATED DIPHENYLS

Samuel J. Rosch, Yonkers, N. Y., assignor to Anaconda Wire and Cable Company, a corporation of Delaware

Application May 29, 1942, Serial No. 445,067

7 Claims. (Cl. 260—3)



1. An insulated electric conductor comprising a metallic conductor having an insulation capable of continuous operation at temperatures up to 90° C. and of emergency operation for short intervals at temperatures up to 125° C. and comprising a rubber composition containing in intimate association therewith from 10 to 25% by weight of a halogenated diphenyl having a softening point upwards of 250° C. and from 2 to 15% by weight of a plasticizing halogenated diphenyl having a softening point in the range 50° C. to 100° C.

2,416,956
SEPARATION OF TRYPTOPHANE FROM MIXED AMINO ACIDS

Melville Sahyun, Detroit, Mich., assignor, by mesne assignments, to Sterling Drug Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application April 6, 1943, Serial No. 482,071

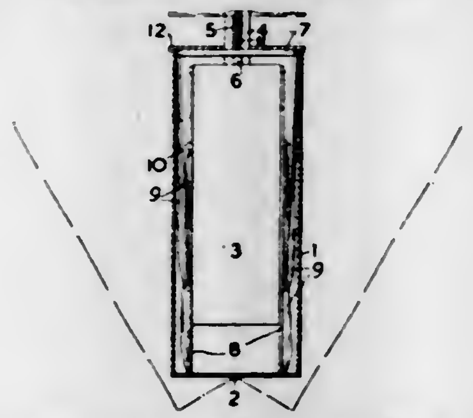
2 Claims. (Cl. 260—319)

1. In a process for the preparation of tryptophane the steps which include: contacting at a

temperature below about 30 degrees centigrade an aqueous solution of mixed amino acids containing tryptophane with sufficient activated carbon to adsorb a substantial proportion of the tryptophane; separating the carbon adsorbate; and, eluting the latter under alkaline conditions with an organic, partly water-miscible solvent for tryptophane.

2,416,957
PARACHUTE AND LIKE FLARE

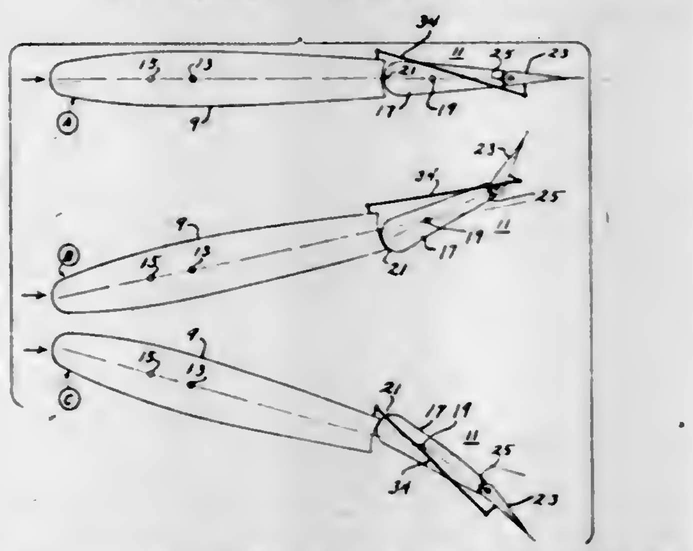
Conrad David Schermuly, Alfred James Schermuly, and Charles Schermuly, Parkgate, Newdigate, England, assignors to The Schermuly Pistol Rocket Apparatus Limited, Parkgate, Newdigate, England, a British company
Application June 2, 1944, Serial No. 538,505
In Great Britain December 17, 1942
6 Claims. (Cl. 102—35)



1. In combination, a flare candle, a screen secured to and surrounding said flare candle, a separable container enclosing said flare candle and screen, a lid over the upper end of said container to maintain the same closed, a parachute connected to said candle and means connected to said parachute for raising said lid when said parachute opens to allow said separable container to fall away and for opening said screen when said lid is raised.

2,416,958
TAILLESS AIRPLANE

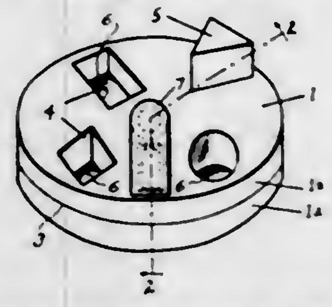
William R. Sears, Inglewood, Calif., assignor to Northrop Aircraft, Inc., Hawthorne, Calif., a corporation of California
Application September 24, 1942, Serial No. 459,592
13 Claims. (Cl. 244—13)



1. An airplane of the tailless type having the aerodynamic center of the wing ahead of the center of gravity of the airplane and means in said wing producing a longitudinal stabilizing moment thereon, said means including a wing lift varying means.

2,416,959
EDUCATIONAL TOY

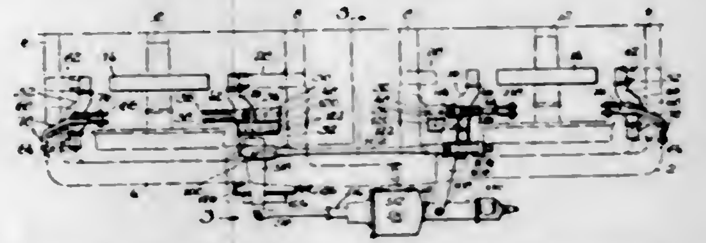
Jacob Herzl Segal, Chicago, Ill., assignor to Etron Industries, Inc., a corporation of Illinois
Application October 12, 1945, Serial No. 621,969
7 Claims. (Cl. 35—22)



1. In an educational toy of the type comprising a block containing dissimilarly sized and shaped recesses adapted to accommodate selectively correspondingly dissimilarly sized and shaped elements, the combination with said block and elements of an electrically operated signal device, means for energizing said signal device, an open circuit between said energizing means and said signal device and a circuit closing switch controllable by pressure exerted through said elements inserted in said recesses.

2,416,960
BRAKE

Edward J. Simanek, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application January 22, 1944, Serial No. 519,286
24 Claims. (Cl. 188—56)

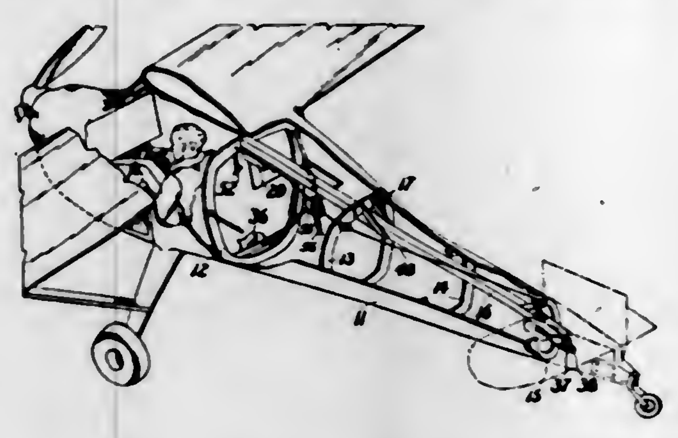


1. In a brake arrangement for a railway car truck comprising a truck frame and spaced supporting wheel and axle assemblies each including an axle, spaced wheels mounted thereon and brake drums adjacent respective wheels, brake rigging comprising brake beams at each side of the truck, said beams being disposed at opposite sides of the associated wheels, friction means carried by each beam for engagement with the adjacent wheel and the associated disc, live truck levers connected to the beams inwardly of said assemblies, dead truck levers connected to the beams outwardly of said assemblies, pull rods connecting the adjacent live and dead truck levers, and operating means associated with the live truck levers, said operating means comprising a power cylinder device mounted on said frame, interconnected live and dead cylinder levers connected to opposite ends of said device, and an operative connection between each cylinder lever and the adjacent live truck lever.

2,416,961
LANDING STABILIZER FOR AIRCRAFT

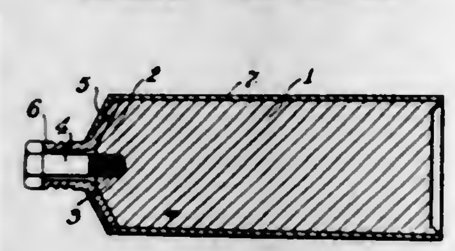
Jacob Spiegel, Philadelphia, Pa.
Application September 25, 1945, Serial No. 618,456
10 Claims. (Cl. 244—93)

1. A landing stabilizer constructed and arranged to be mounted within the fuselage of a fixed-wing aircraft, said landing stabilizer comprising a track extending rearwardly within said fuselage from a point generally at the center-of-gravity of the aircraft, a weight movably mounted upon said track, pilot-releasable latch means for locking said weight at the front end of said track, spring-means for automatically propelling said weight rearwardly along said track upon release of said latch means, a catch for automatically retaining said weight at the rear end of said track, pilot-operable means for releasing said catch, a return-cable fastened at one end to said weight, and pilot-operable reel-mechanism to which the other end of said return-cable is connected for returning said weight to the front end of said track and into engagement with said latch mechanism.



2,416,962
METHOD OF MAKING COLLAPSIBLE TUBES

Eustace Stather-Dunn and Frank Marshall Menheneott, County of London, England, assignors to Betts & Company Limited, London County, England, a company of Great Britain
Application March 31, 1943, Serial No. 481,334
In Great Britain May 26, 1942
7 Claims. (Cl. 18—58)

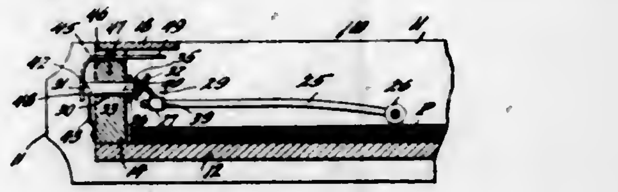


1. The method of making a seamless collapsible tube consisting of temporarily attaching a preformed shoulder and nozzle to one end of a mandrel having a hard smooth surface integral therewith by attaching means extending through said nozzle, covering the mandrel surface with a thin film of a lubricant which is incompatible with a fluid plastic material to be used, and thereafter forming directly upon the coated mandrel surface and the pre-formed shoulder only at least one coat of a non-metallic plastic material in the fluid state, allowing the fluid material to solidify to a plastic state, releasing said attaching means and sliding the mandrel out of the coating tube thereby formed.

2,416,963
BURGLAR ALARM FOR CASH DRAWERS

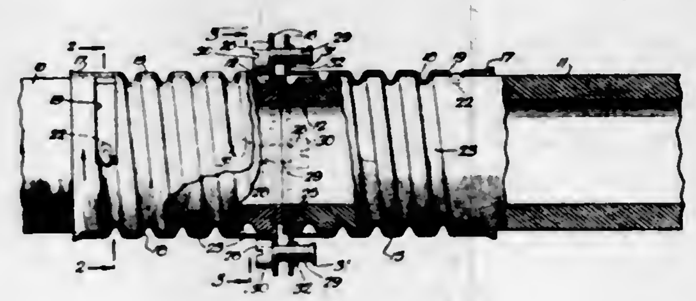
Francis C. W. Steiter, New York, N. Y.
Application March 8, 1945, Serial No. 581,661
10 Claims. (Cl. 177—314)

1. A protective system for cash drawers, tills, or the like, which comprises, in combination, a guard member carried by the till and adapted to bear against one or more items of currency or the like contained in said till, an electric circuit including in series a source of current, an electrically actuated signal, and a normally open switch, and connections between said guard and said switch whereby the latter is closed whenever the guard is moved appreciably upon removal of an item of currency.



2,416,964
SELF-THREADING CONNECTOR FOR ARTICLES

John S. Stull, Chicago, Ill.
Application September 18, 1943, Serial No. 502,947
4 Claims. (Cl. 285—75)



1. A connector for attachment to an article of circular contour during relative rotation therebetween in attaching the same comprising a cylindrical sleeve outwardly flared at one end, a flange on said sleeve at its other end, said sleeve having a continuous inner spiral thread beginning at a point inside said flared end, and terminating at a point adjacent said flange, said sleeve having an aperture in its wall at the entering end of the first turn of the thread inside of said flared end to provide a cutting edge arranged to cut a spiral groove in the outer surface of said article for the following portion of said thread to enter, thus preventing longitudinal displacement between said sleeve and the article when in use.

2,416,965
ISOMERIZATION OF TETRALIN

Charles L. Thomas and Herman S. Bloch, Riverside, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application April 5, 1944, Serial No. 529,682
8 Claims. (Cl. 260—668)

1. A process for producing methylindane which comprises subjecting tetralin at a temperature of from about 300° C. to about 600° C., a pressure below about 100 pounds per square inch, and a liquid hourly space velocity in excess of 0.25 to the action of a catalyst comprising an association of at least two compounds selected from the group consisting of silica, alumina, zirconia, magnesia, thoria, and boria.

2,416,966
ISOMERIZATION OF DECALIN

Charles L. Thomas and Herman S. Bloch, Riverside, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application April 5, 1944, Serial No. 529,683

5 Claims. (Cl. 260—666)

5. An isomerization process for the production of isodecalins which comprises contacting decahydronaphthalene with a catalyst comprising an association of at least two compounds selected from the group consisting of silica, alumina, zirconia, magnesia, thoria, and boria at a temperature of from about 300° C. to about 600° C., a pressure below about 100 pounds per square inch, and a liquid hourly space velocity in excess of 0.25 to convert a substantial portion of said decahydronaphthalene to a substantially olefin-free and aromatic-free hydrocarbon fraction having a boiling range of 155° C. to 185° C. and an index of refraction greater than 1.46.

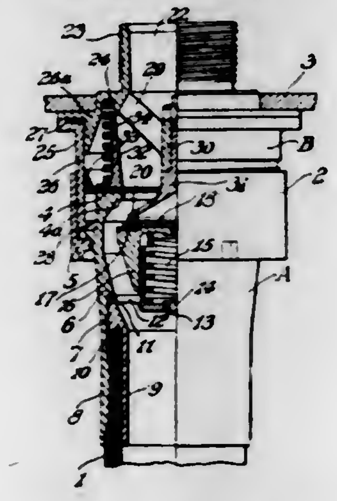
2,416,967
PIPE COUPLING

Percival Edward Thomas, Worcester Park, England, assignor to Sterling Industries Limited, London, England, a British company

Application May 8, 1945, Serial No. 592,563

In Great Britain June 12, 1944

1 Claim. (Cl. 284—19)



In a self-sealing coupling including a projecting part, a socket part and means for drawing said parts together in telescoping relationship, the improvements that comprise a spring urged valve member in said projecting part, said valve member being provided with a resilient face, a double faced fixed seat in said projecting part, the resilient face of said valve member normally bearing against the under face of said seat to seal said projecting part in its uncoupled position, a fixed valve member in said socket part adapted to engage and depress said spring urged valve member when the parts are drawn together in telescoping relationship, and a spring urged, hollow cylindrical valve seat in said socket part having a resilient face at its lower edge, said socket part having an internal flange, said face of said spring urged valve seat normally bearing on the upper face of said fixed valve member and said flange to seal said socket part in its uncoupled position, the upper face of said fixed seat bearing against the resilient face of and displacing said spring urged seat when the parts are drawn together in telescoping relationship, the abutting relationship of the fixed seat and the spring urged seat defining a seal for an annular passageway around said valve members.

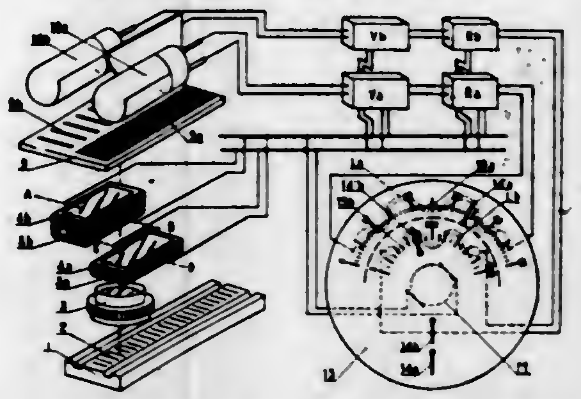
2,416,968
STROBOSCOPIC DEVICE FOR DETERMINING ELECTRICALLY THE POSITIONS OF OBJECTS

Fernand Turrettini, Geneva, Switzerland, assignor to Societe Genevoise D'Instruments De Physique, Geneva, Switzerland, a firm of Switzerland

Application May 25, 1944, Serial No. 537,320

In Switzerland June 21, 1943

3 Claims. (Cl. 250—41.5)



1. In a stroboscopic device for determining electrically the position of an object carrying at least one graduation, the lines of the graduation lying at an angle to its direction of motion, said device comprising an objective facing the graduation, at least one optical deflector arranged to oscillate continuously behind said objective, a synchronous oscillator maintaining the oscillations of the deflectors, a screen showing at least two series of slots with different pitches on which the image of the graduation is continuously moving, said screen being arranged behind the deflector, and a photoelectric cell arranged behind each series of slots, with an amplifier and a relay connected to each cell, in combination, an instantaneous flash lamp connected to each relay and a stroboscopic observation disk carrying at least two indexes and two graduations, said indexes being diametrically opposed to the graduations, said disk being illuminated by said flash lamps and driven by a synchronous motor, for reproducing at two different ratios of magnification the variations of the position of the object in relation to the axis of the objective.

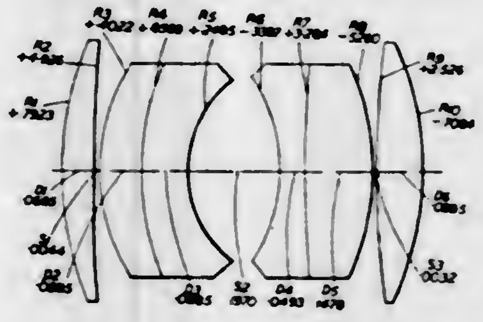
2,416,969
OPTICAL OBJECTIVE

Arthur Warmisham and Charles Gorrie Wynne, Leicester, England

Application June 12, 1943, Serial No. 490,636

In Great Britain October 5, 1942

6 Claims. (Cl. 88—57)



1. An optical objective, corrected for spherical and chromatic aberrations, coma, astigmatism, field curvature and distortion, and comprising two simple convergent components, and two compound divergent components located between the convergent components and each consisting of a convergent element compounded with a divergent element made of a material having mean refractive index lying between 1.53 and 1.58 and Abbe V number lying between 30.0 and 33.0, the materials used for the four convergent elements each having mean refractive index lying between 1.59 and 1.63 and Abbe V number lying between 52.0 and 62.0, whilst the materials used for all six elements have substantially the same relative partial dispersion, and in which the overall axial length of the objective lies between .55 and .65 times the equivalent focal length of the objective, and the algebraic sum of the curvatures of the cemented surfaces in the two divergent components (regarding such curvature as positive if the surface is concave to the diaphragm and negative if the surface is convex thereto) is positive and lies between 3.0 and 1.5 times the reciprocal of such equivalent focal length.

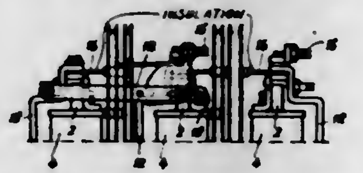
2,416,970
ELECTRIC CONTACT DEVICE

Albert Wassmer, Geneva, Switzerland, assignor to the firm Pan A.-G., Glarus, Switzerland, a joint-stock company of Switzerland

Application August 4, 1943, Serial No. 497,378

In Switzerland May 7, 1942

1 Claim. (Cl. 200—98)



An electrical relay system comprising, a plurality of relay magnets each having a movable armature, a set of resilient contact blades associated with each relay magnet, means carried by each relay armature engageable with the blades of the associated set to selectively position its blade contacts into any one of a plurality of positions, mechanical couplings between adjacent relay armatures whereby energizing of one relay magnet will influence the contact positions in more than one blade set, and energizing circuits for said magnets, said mechanical couplings including means whereby movement of one armature prevents movement of another armature.

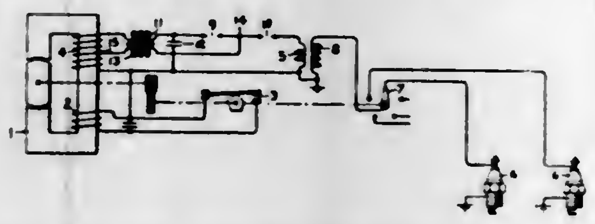
2,416,971
IGNITION SYSTEM

Douglas F. Welch and Kenneth J. R. Wilkinson, Rugby, England, assignors to General Electric Company, a corporation of New York

Application June 29, 1945, Serial No. 602,230

In Great Britain July 12, 1944

5 Claims. (Cl. 315—186)



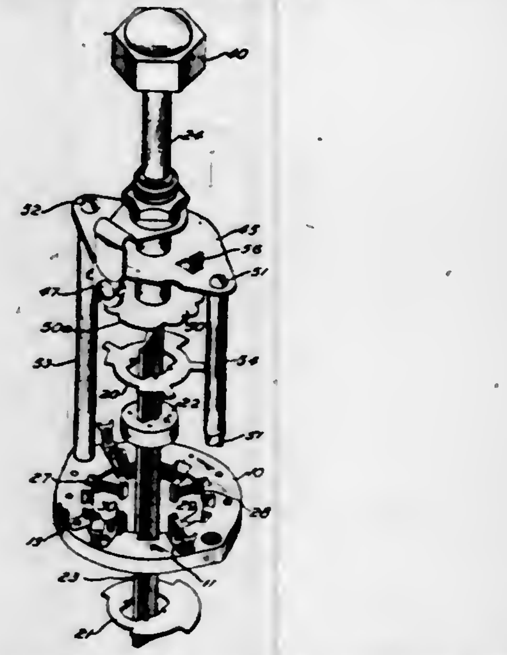
3. An ignition system comprising a magneto having an output winding provided with two connections for high voltage and an intermediate voltage connection, an oscillatory discharge circuit connected across the high voltage connections of said magneto, said discharge circuit comprising two parallel branches one of which includes capacitance means and the other of which includes two series-connected spark gaps, a voltage-dividing circuit connection connecting the common connection of said series-connected spark gaps and the intermediate voltage connection of said magneto whereby a predetermined fraction of the magneto high voltage is maintained across each spark gap, means for introducing to said voltage-dividing circuit connection a supplemental triggering voltage to cause breakdown of one of said spark gaps whereby the magneto high voltage output is applied to the other spark gap to cause breakdown thereof and a flow of oscillatory current in said discharge circuit, and spark plug means energized by the flow of current in said discharge circuit.

2,416,972
MULTIPLE CONTACT SWITCH

Albert J. Williams, Jr., Raymond E. Tarpley, and Norma C. Johnson, Philadelphia, Pa., assignors to Leeds and Northrup Company, Philadelphia, Pa., a corporation of Pennsylvania

Application July 14, 1944, Serial No. 544,842

9 Claims. (Cl. 200—6)



1. In an electrical switch of the multiple contact type, the combination of a frame of insulating material having an opening through the central portion thereof, a cylindrical rotor of insulating material of substantially the same thickness as said frame, said frame having a plurality of inwardly extending arms and together forming a bearing surface for said cylindrical rotor, each of said arms being characterized by an enlarged end portion which in a direction axially of said rotor has a dimension substantially equal to the axial thickness of said rotor, means for retaining said rotor in a predetermined axial position within said frame comprising members secured to opposite sides of said rotor and extending outwardly and over said projections to form bearing surfaces for rotation of said rotor relative to said frame, at least one of said members being a conductor, and switch contacts carried by said frame for cooperation with said conductor along a zone thereof located in the same plane with but spaced outwardly from said last-named bearing surfaces.

2,416,973
CENTRIFUGAL SWITCH

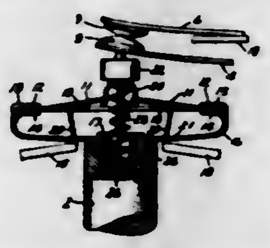
George T. Wright, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York

Application December 20, 1944, Serial No. 568,981

14 Claims. (Cl. 200—80)

2. A centrifugal switch including a pair of electrical contacts, a rotatable member, an overcen-

ter snap spring, means for securing said snap spring to said rotatable member, means including a pair of weights secured to said snap spring on the side thereof away from said contacts in a position for movement outwardly from the axis of said rotatable member under the influence of centrifugal force and for moving said snap spring in a direction past dead center away from said contacts above a predetermined speed, means for biasing said switch contacts below a predetermined speed to closed position against the action of said snap spring and said weights.



2,416,974

MANUFACTURE OF MONO-NITRATION PRODUCTS OF TOLUENE

Harold Reginald Wright and William John Donaldson, West Kilbride, Scotland, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application March 9, 1945, Serial No. 581,953. In Great Britain May 24, 1944

9 Claims. (Cl. 260—645)

1. A method of nitrating toluene to form a mixture of mono-nitrotoluene of substantially higher para-nitrotoluene content and of lower ortho-nitrotoluene content than is obtained by the nitration of toluene with a mixture of nitric acid and sulphuric acids by the usual methods which comprises gradually adding sulphuric acid to an admixture of toluene and a nitric ester of a monohydroxy alcohol containing from two to five carbon atoms, while keeping the temperature at least about 40° C.

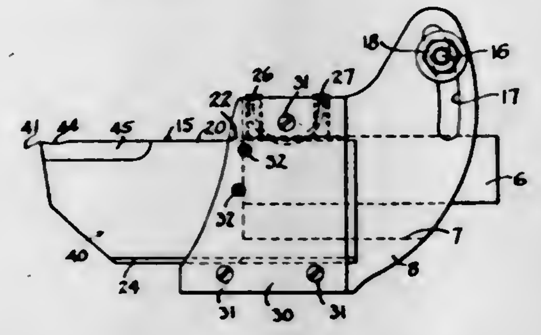
2,416,975

TOOLHOLDER

David S. Anthony, San Antonio, Tex., assignor to Anthony Tool Co., San Antonio, Tex.

Application September 4, 1943, Serial No. 501,215

2 Claims. (Cl. 29—96)



1. A cutting off tool holder for lathes comprising a base to be adjustably affixed to the lathe block and including a trunnion, a blade holder depending from said trunnion and extending below the lathe block, means to affix said holder in adjusted position on said base, a recessed face on said support of a width to receive a cutting off tool having a depth to width ratio approximating eleven to one, an inwardly inclined seat in said recess to receive the blade, means to engage the top edge of the blade to force the blade into said seat, a face plate spanning said recess and enclosing the blade, and means on said plate to set up against the blade to retain the blade in alignment in said recess.

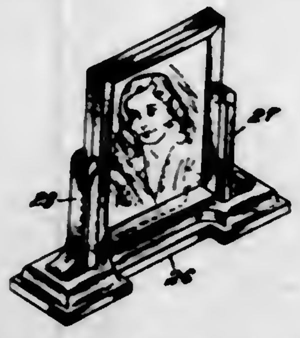
2,416,976

PICTURE FRAME AND SUPPORT

Nicholas Barbieri, Providence, R. I., assignor to Uncas Manufacturing Company, a corporation of Rhode Island

Application April 14, 1945, Serial No. 588,299

3 Claims. (Cl. 40—152.1)



1. A picture mounting comprising a base, spaced supports extending upwardly from the base and each provided with a recess at its upper end, a pair of frame members adapted to mount a picture between them when in face-to-face contact, trunnions extending outwardly from said frame members to fit into said recesses and engage the edge walls thereof, said trunnions being in register with each other and partly on one member and partly on the other of said members whereby when in assembled relation and in said recesses the frame members are held in face-to-face contact.

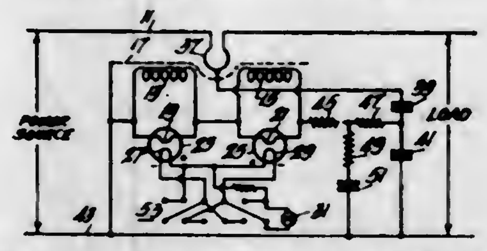
2,416,977

RADIO FREQUENCY WATTMETER

George H. Brown, Princeton, and Rudolph A. Bierwirth, Kingston, N. J., assignors to Radio Corporation of America, a corporation of Delaware

Application December 31, 1943, Serial No. 516,422

7 Claims. (Cl. 171—95)



1. A wide frequency range radio frequency wattmeter for a power transmission line including an inductor having end terminals for connection in series with said line, said inductor having an intermediate terminal, means including separate oppositely-phased current pickup means each coupled inductively to said inductor for deriving substantially oppositely-phased currents proportional to the current in said line, a pair of current-responsive devices serially connected to said current pickup means, a capacitive voltage divider connected to said intermediate terminal of said inductor responsive to the voltage across said line, resistive means for applying at least a portion of said voltage across said voltage divider to said current-responsive devices, an indicator responsive to the difference of the currents derived from said current-responsive devices for indicating said transmitted radio frequency power, and a resistive-capacitive network connected to said resistive means for providing compensation for phase shift with variation of said power line frequency over a relatively wide frequency range.

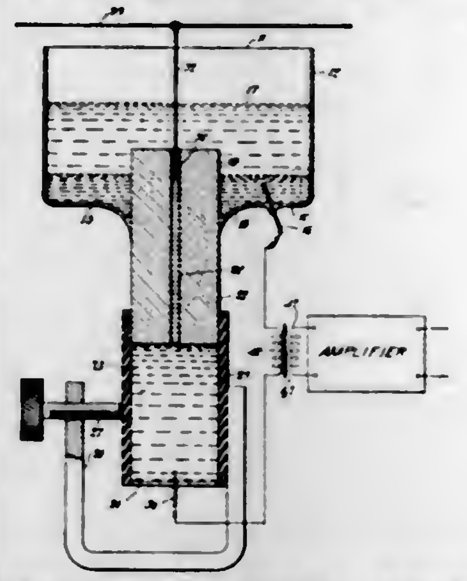
2,416,978

CAPILLARY TRANSDUCER

Charles F. Burgess, Bokeelia, Fla., assignor, by mesne assignments, to Oliver W. Storey, Wheaton, Ill., as trustee for the partnership of O. W. Storey & Associates, Chicago, Ill.

Application January 22, 1945, Serial No. 573,913

9 Claims. (Cl. 171—327)



1. A transducer comprising a capillary electrometer, said electrometer including two liquids forming at least one interface therebetween, means for establishing electrical connections to said interface forming liquids, a substantially incompressible connection from said interface, said incompressible connection going to a point outside of said electrometer system, means at the outside end of said incompressible connection for transmitting forces incident to electrometer operation to a driven or driving means, and circuit connections to said electrical connections for coupling a potential generator or load.

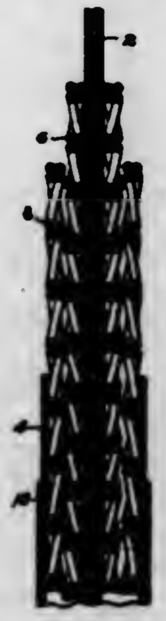
2,416,979

ELECTRIC CABLE

Joseph Cilley Burley, Milton, Mass.

Application April 27, 1943, Serial No. 484,696

7 Claims. (Cl. 174—29)



4. An electric cable having low capacity and low loss angle, comprising a wire conductor; a tubular braided flexible conductor surrounding said wire conductor; and insulating spacing means separating said two conductors and comprising two insulating layers surrounding said wire conductor, at least the outer layer constituting an open braided sleeve surrounding said wire conductor and composed of vinyl resin plastic, whereby the dielectric between said conductors consists largely of air.

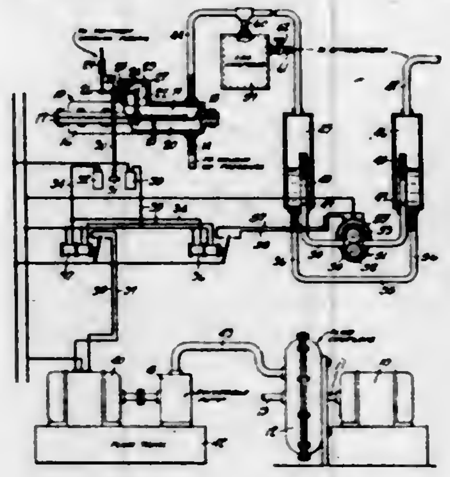
2,416,980

STABILIZER FOR PROCESS CONTROLLERS

Frank Donald Burns, Long Beach, Ind., assignor to The Hays Corporation, Michigan City, Ind., a corporation of Indiana

Application October 1, 1942, Serial No. 460,392

20 Claims. (Cl. 236—26)



4. A process regulator comprising a process control mechanism, a constant speed motor therefor, a fluid coupling interconnecting said mechanism and motor, means for selectively adding to and withdrawing liquid from said coupling, a metering device connected to said process for at least partial response to operation of said mechanism and including a normally balanced diaphragm, pneumatic means for selectively adding to and withdrawing air from said metering device, means controlled by said diaphragm upon unbalance thereof for simultaneously and proportionally actuating both selective means in corrective relation to rebalance said diaphragm, and adjustable bleed means associated with said last named selective means and open to atmosphere to dissipate rebalancing impulses from said pneumatic means in time with the time required for response of said metering device to operation of said control mechanism.

2,416,981

RADIO FREQUENCY TRANSMISSION LINE

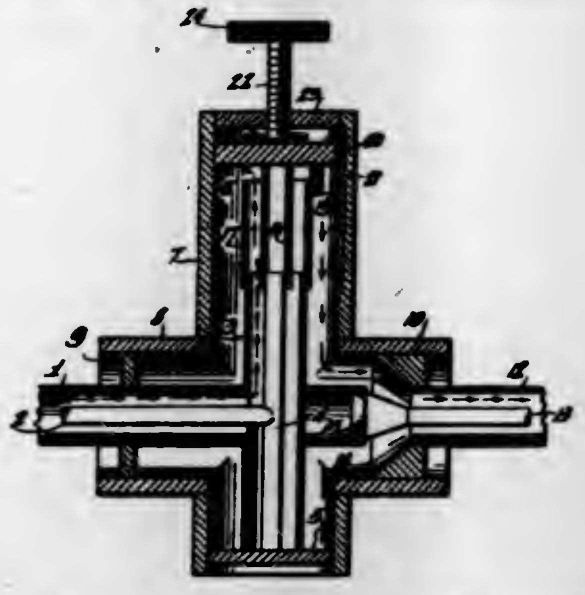
David R. Crosby, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application March 29, 1943, Serial No. 481,053

13 Claims. (Cl. 178—44)

2. An adjustable high frequency transmission line device which includes a first concentric transmission line, a second concentric line angularly disposed with respect to said first line, a connection from one end of said first line to a predetermined point on said second line, a chamber concentric with said second line forming a third concentric line with the outer conductor of said second line, means coupling together said second and said third lines, a fourth concentric line, means including an impedance matching de-

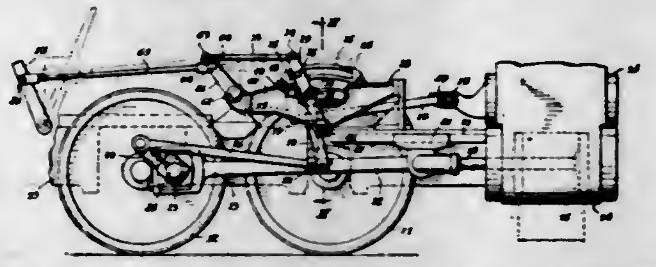
vice coupling said chamber to said fourth line, and means for adjusting simultaneously the lengths of said second and said third concentric lines.



2,416,982

ENGINE SHAFT ACTUATED LOCOMOTIVE VALVE GEAR OF THE SUSPENDED ECCENTRIC ROD TYPE

Samuel D. Dekle, Atlantic Beach, Fla.
Application May 10, 1944, Serial No. 534,859
11 Claims. (Cl. 121—169)



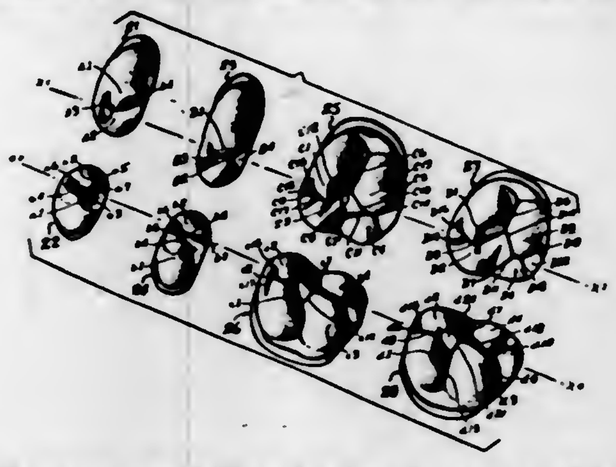
9. In a steam-engine valve gear, actuating mechanism for the valve comprising a frame, an arcuate link fixed to said frame, a reversing member, a block carried thereby and slidable in said link, means for moving said member, an eccentric crank, an eccentric rod coupled thereto at one end, a link movably supporting the other end of said rod from a part of said reversing member below said carried block, and means operatively connecting an intermediate portion of said rod to said valve.

2,416,983

ARTIFICIAL TEETH

Ross O. Dickson, Mexico City, Mexico
Application July 1, 1943, Serial No. 493,102
3 Claims. (Cl. 32—8)

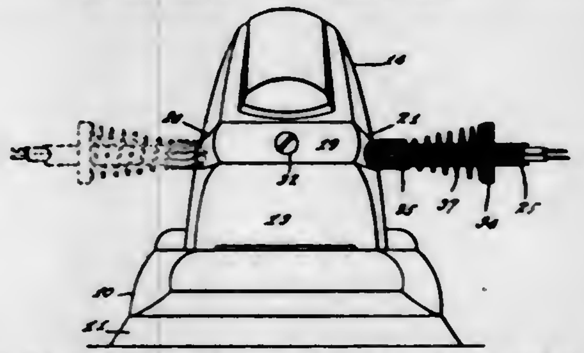
1. In combination, an inferior molar and a superior molar, said inferior molar having a pair each of buccally and lingually disposed cusps separated mesial-distally by relatively shallow fissures disposed substantially in longitudinal alignment and by a relatively larger transversely extending groove, a central ridge dividing said groove and formed to provide oppositely inclined planes, said ridge extending substantially longitudinal, the walls of said groove at opposite sides of said central ridge being formed by oppositely inclined planes at the inner sides of said buccal and lingual cusps, the inclined planes of said buccal cusps being inwardly divergent and those of said lingual cusps substantially parallel, a distal central cusp formed to provide oppositely inclined planes, the crest of which forms a substantially longitudinal ridge extending in substantial alignment with said fissures and substantially continuous with the first named ridge, the outer side of the adjacent distal buccal cusp having the form of an inclined plane extending diagonally inward and terminating at the inner end of the last named ridge, the outer side of the adjacent lingual cusp forming an inclined plane extending substantially parallel to the last named inclined plane and the inclined plane at the inner side of the mesial buccal cusp, an inclined plane formed at the inner end of said distal buccal cusp and connecting the adjacent ends of said ridges, and said superior molar having pairs of buccally and lingually arranged cusps separated by longitudinal and transverse grooves, said longitudinal groove normally seating over said ridges of the inferior molar, with the mesial buccal and lingual cusps engaged in said large groove at the opposite sides of said central cusp of the latter and the distal buccal and lingual cusps in spaces formed between the outer sides of the corresponding cusps and the adjacent sides of the distal central cusp of the inferior molar.



2,416,984

ELECTRIC IRON

Edward A. Farr, Columbus, Ind., assignor to Noblitt-Sparks Industries, Inc., Columbus, Ind., a corporation of Indiana
Application June 10, 1944, Serial No. 539,667
5 Claims. (Cl. 219—25)



2. In an electric sad-iron having a body portion provided with an electrical resistance heating element, a handle for said iron having a generally horizontal grip and a generally vertical portion between said grip and body, said vertical handle-portion being hollow and provided with an elongated slot extending from one side of the vertical portion to the other, a flexible cord comprising wires for supplying electric current to said heating element, said cord extending through said slot, a rigid slot-closure disposed in said slot and extending from one end thereof to a point adjacent to but spaced from the other end to provide an opening through which said cord extends, said closure being reversible relative to the slot whereby to provide such cord-passing opening alternatively at either end of the slot and also insertable into and removable

from the slot by rectilinear movement in the plane of the slot, and means for holding said closure in place in the slot in either of its alternative positions.

2,416,985

COMPOUNDED MINERAL OIL

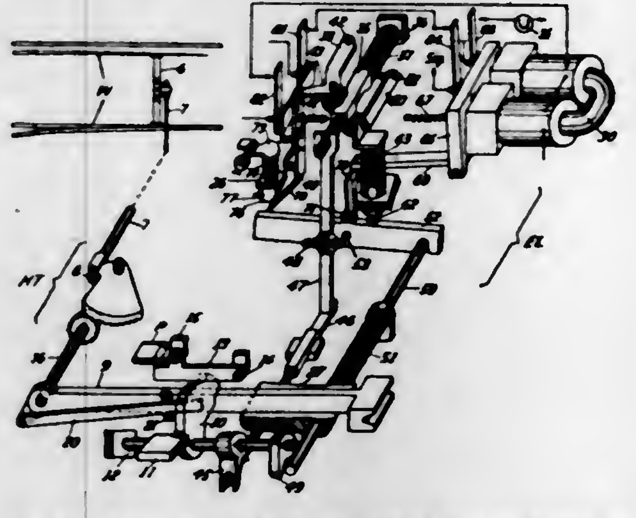
Bruce B. Farrington, James O. Clayton, and John T. Rutherford, Berkeley, Calif., assignors, by mesne assignments, to California Research Corporation, San Francisco, Calif., a corporation of Delaware
No Drawing. Original application November 21, 1938, Serial No. 241,648. Divided and this application January 11, 1941, Serial No. 374,078
4 Claims. (Cl. 260—448)

1. A base metal salt of a phosphoric acid ester containing at least one alkylaryl group and a total of 5 to 16 saturated carbon atoms in the alkyl radicals of said alkylaryl groups.

2,416,986

ELECTROMANUAL RAILROAD SWITCH LOCK AND SIGNAL CIRCUIT CONTROL WITH EMERGENCY RELEASE

Oscar S. Field and Ralph W. Hewes, Rochester, N. Y., assignors to General Railway Signal Company, Rochester, N. Y.
Application September 4, 1944, Serial No. 552,637
10 Claims. (Cl. 246—146)



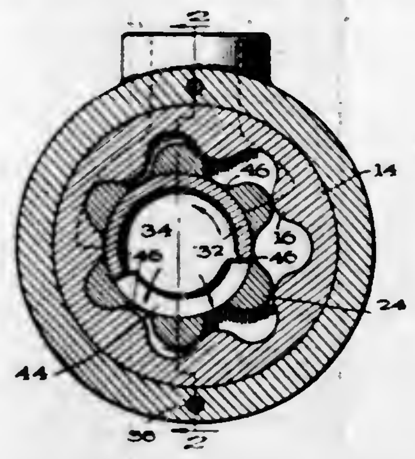
1. In an electric lock for hand-operated track switches, a manually operable lever for moving the points of a track switch to their opposite positions, a manually operable catch for preventing operation of said lever subject to the release of an electric lock mechanism comprising a longitudinally movable cam shaft, contacts operated by said cam shaft to their closed positions when said cam shaft is in a predetermined position, a lock member for preventing manual operation of said catch until released, electromagnetic means for releasing said lock member, and means for positively forcing said lock member to be in a locking position when said cam shaft is in said predetermined position.

2,416,987

GEAR PUMPING MECHANISM

Fred E. Fleischer, Pittsburgh, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
Application February 19, 1943, Serial No. 476,440
5 Claims. (Cl. 103—126)

1. A rotary gear pump comprising a housing, a pair of meshing gears mounted for rotation within said housing, one such gear being formed with apertures extending inwardly from the bottoms of the tooth spaces thereof and communicating with a central cavity therein which is of a diameter approximating the root circle of the gear, the apertures being shallow and of less depth than width, a fixed inlet member mounted with running fit in the cavity of said gear, said inlet member being formed with a fluid passageway which discharges outwardly through a port in the wall thereof, the unported portion of said inlet member within the cavity serving to seal the said apertures in the region of meshing interengagement of the pair of gears, and a discharge member in said region of meshing interengagement.



2,416,988

DELUSTRING AND WEIGHTING TEXTILE MATERIALS

Robinson Percy Foulds and John Thompson Marsh, Manchester, England, assignors to Tootal Broadhurst Lee Company Limited, Manchester, England, a British company
No Drawing. Application October 11, 1941, Serial No. 414,680. In Great Britain September 12, 1935
7 Claims. (Cl. 117—139.5)

1. A process for delustring textile material in aqueous solution which comprises impregnating said material with a solution containing urea and contacting the so treated material in another phase with another solution containing an aldehyde and an acid, whereby an insoluble, nonresinous, synthetic condensation product in particulate form is precipitated in situ on the material to delustre the same, and washing said wet textile material having the non-resinous product precipitated thereon to remove any ingredient adapted to cause resin formation upon drying said material.

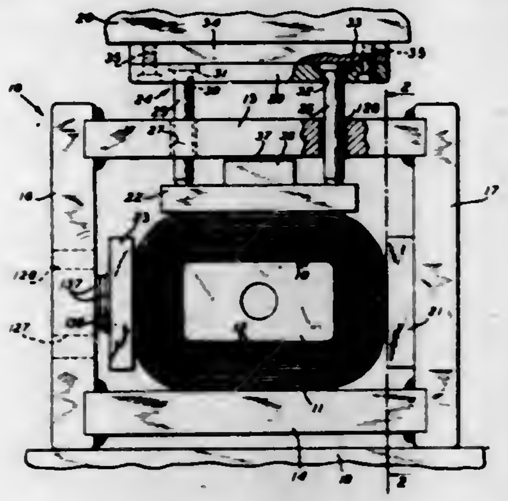
2,416,989

METHOD FOR MAKING CORES OF MAGNETIC MATERIAL FOR ELECTROMAGNETIC COILS

Marcel C. Gauthier, Montclair, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Original application November 6, 1943, Serial No. 509,334. Divided and this application August 25, 1944, Serial No. 551,240
2 Claims. (Cl. 29—155.57)

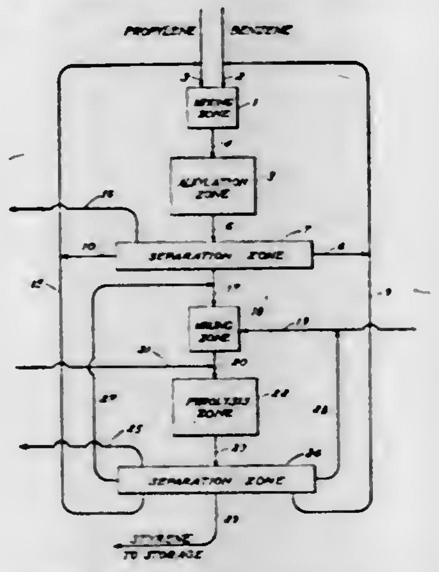
1. The method of making a magnetic core which comprises steps of covering the winding surface of a mandrel having a flat face thereon with combustible material, winding a ribbon of magnetic metal flatwise in successive turns upon the mandrel over the combustible material thereon, exerting pressure on the portions of the turns of ribbon overlying the flat face, and heating the ribbon and mandrel together while maintaining

the said pressure to a temperature sufficient to remove internal stresses from the ribbon and sufficient to destroy the combustible material and thereby render the mandrel easily separable from the annealed core and the core from the pressure exerting means.



2,416,990
PRODUCTION OF STYRENE

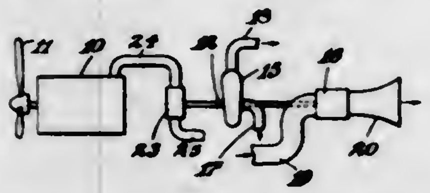
Manuel H. Gorin and Everett Gorin, Dallas, Tex., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application June 12, 1944, Serial No. 539,972
3 Claims. (Cl. 260—669)



2. A process for producing styrene comprising as principal steps, subjecting a mixture of benzene and propylene to reaction in an alkylation zone to form isopropyl benzene, fractionating the product obtained from said alkylating zone to separate benzene, propylene and isopropyl benzene, returning the benzene and propylene to the alkylation zone, mixing the isopropyl benzene with an inert diluent gas, α-methyl styrene, and additional isopropyl benzene obtained in the manner hereinafter defined, subjecting the mixture thus formed to pyrolysis in a ceramic lined reactor to form styrene, fractionating the product obtained from said pyrolysis zone to separate propylene, benzene, styrene, isopropyl benzene and α-methyl styrene, returning the propylene and benzene thus obtained to the alkylation zone, returning the separated isopropyl benzene to the mixing step as the additional isopropyl benzene in said mixing step, returning the separated α-methyl styrene to the mixing step as the α-methyl styrene in said mixing step, controlling the proportions of isopropyl benzene and α-methyl styrene being admitted to said mixing step so that the mol ratio of α-methyl styrene to isopropyl benzene in said mixture is between .60 and .65, and recovering the styrene formed.

2,416,991
SUCTION PUMP OPERATING MEANS FOR REMOVING BOUNDARY LAYER FROM AIRPLANE WINGS

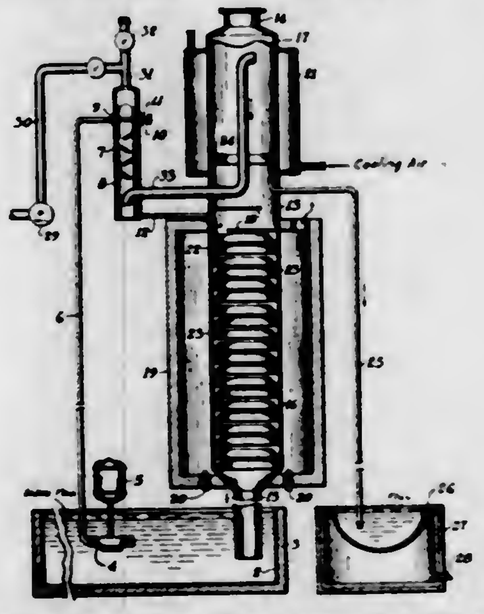
Alan Arnold Griffith, Derby, England, assignor to Rolls-Royce Limited, Derby, England, a British company
Application August 12, 1943, Serial No. 498,415
In Great Britain September 10, 1942
2 Claims. (Cl. 244—40)



1. In an aircraft having a conduit through which the boundary layer on an external surface is to be sucked, the combination with a propelling engine of the aircraft and a propelling means actuated by the engine for propelling the aircraft, of a suction pump for sucking air through the said conduit, an exhaust turbine coupled to the pump to drive it and having its intake connected to an exhaust pipe from the engine, an air motor adapted to be driven by the relative wind due to motion of the aircraft independently of said propelling means and a driving connection from the air motor to the pump.

2,416,992
METHOD AND APPARATUS FOR CONDENSING METALLIC VAPORS

Thomas Griswold, Jr., and Thomas H. McConica, III, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application March 24, 1945, Serial No. 584,629
5 Claims. (Cl. 75—66)

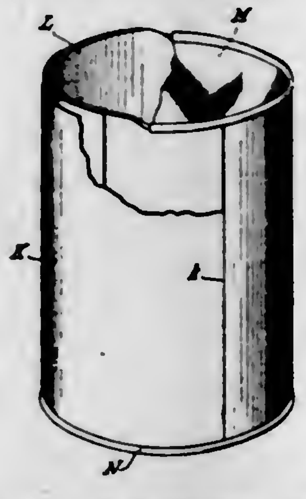


1. In a process for the recovery of a volatile metal from a molten alloy thereof with a much less volatile metal, the steps which comprise: feeding the alloy through a scrubbing zone at a temperature at which the vapor pressure of volatile metal in the alloy is negligible and thence into a distilling zone and therein heating it to vaporize volatile metal; conveying the evolved metal vapors into a condensing zone and cooling them to a temperature such as to condense a major part of the vapors as liquid metal product; and withdrawing surviving vapors from the condensing zone and passing them through the aforesaid scrubbing zone into intimate contact with the alloy therein, thus effecting substantially complete recovery of the vapors of volatile metal escaping the condensing zone for return to the distillation step with the feed alloy.

4. Condensing apparatus comprising, in combination with a gas-flow system including a source of metal vapor, a condenser for the vapor, and an exhauster for removing gas from the condenser, apparatus for receovering any uncondensed metal vapor from the condenser exhaust gas comprising a gas-liquid contact chamber interposed in the gas-flow system between the condenser and the exhauster, a reservoir for a molten metal absorbent for recovering metal from the exhaust gas, circulating means for withdrawing liquid from the reservoir and supplying it to the contact chamber into intimate contact with gas flowing through the chamber, and distillation means for recovering condensed metal from the absorbent after its passage through the contact chamber.

2,416,993
PROCESS OF MAKING CONTAINERS

Donald E. Grove, West Los Angeles, Calif., assignor of one-sixth to Vincent C. Hickson, Los Angeles, Calif.
Application March 31, 1942, Serial No. 436,925
1 Claim. (Cl. 93—81)

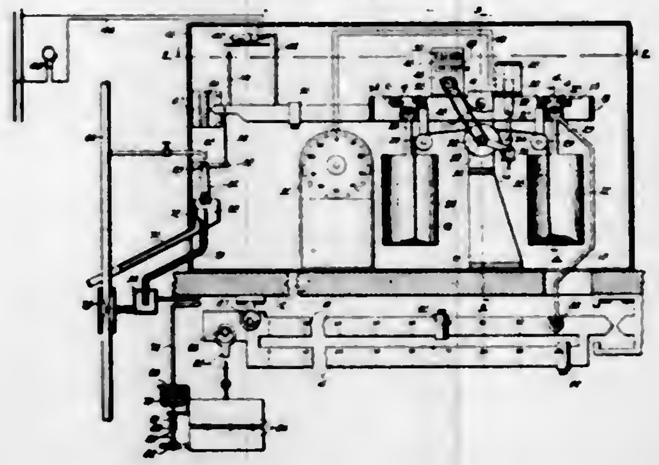


The method of fabricating container bodies, comprising the steps of: Applying an adhesive to one entire surface of body stock, cutting the stock into a pair of strips, feeding said strips to a mandrel, rolling said strips on said mandrel, and, coincidentally with the rolling operation, shifting one of said strips laterally with respect to the other to space the rolled strips from one another on the mandrel.

2,416,994
AUTOMATIC CONTROL FOR GRAVIMETRIC FEEDERS BY THE WEIGHT OF THE MATERIAL IN THE SUPPLY CONTAINER

Elmer E. Harper, Monrovia, Calif.; Esther Pardee Harper, executrix of said Elmer E. Harper, deceased
Application April 6, 1944, Serial No. 529,765
9 Claims. (Cl. 222—58)

8. A selfcontained control unit for automatically controlling the operation of gravimetric feeding devices comprising, a balanced control beam, weight material carried by said beam and comprising a series of substantially uniform weight units shiftable as separately effective weight increments relatively to said beam, means operating at a given controlled rate for consecutively transposing uniform equal portions of said weight material between two given points on said beam without any shifting movement of the remaining portions of said weight material between said given points and thereby unbalancing the beam, means for transmitting said unbalancing action to the scales mechanism of the gravimetric feeding device, and connections responsive to the movements of said control beam for imparting corresponding regulating movements to the material-feeding means of the gravimetric feeding device.



2,416,995
PROCESS FOR THE MANUFACTURE OF PARA - AMINOBENZENE - SULFONYL-GUANIDINE

Max Hartmann, Riehen, and Harald von Meyenburg, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J., a corporation of New Jersey
No Drawing. Application October 12, 1942, Serial No. 461,786. In Switzerland December 16, 1941
11 Claims. (Cl. 260—397.7)

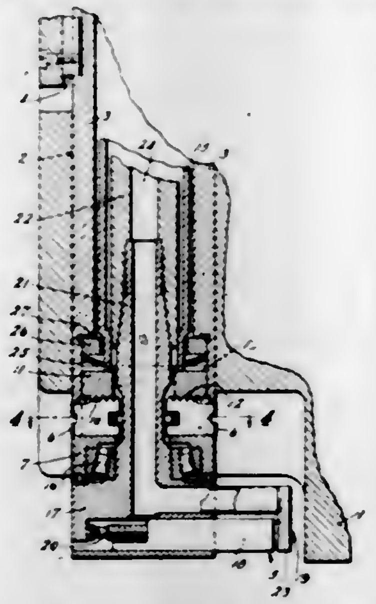
1. In a process for the manufacture of para-amino-benzenesulfonyl guanidine, the step of causing ammonia to react with an S-substituted N-benzene-sulfonyl-pseudo-thiourea, the benzene nucleus of which is substituted in para-position by a member of the group consisting of amino, acylamino and nitro, the S-substituent being selected from the group consisting of lower alkyl and aralkyl.

2,416,996
BORING BAR GUIDING MECHANISM

Francis P. Healy, Springfield, and Edward A. Allen, Westfield, Mass., assignors to Van Norman Company, Springfield, Mass., a corporation of Massachusetts
Application October 26, 1945, Serial No. 624,886
2 Claims. (Cl. 77—58)

1. In a boring device comprising a rotatable and reciprocable cutter head and guide fingers mounted to the rear of the cutter head for reciprocation therewith without rotation, mechanism for adjusting and supporting the guide fingers comprising a scroll having a spiral wedge shaped groove engaging wedge shaped teeth on the several guide fingers, means for rotating the scroll to adjust the fingers, and a Belleville spring washer supporting the scroll on the side remote from the spiral groove to permit it to move bodily away from the fingers upon the fingers being com-

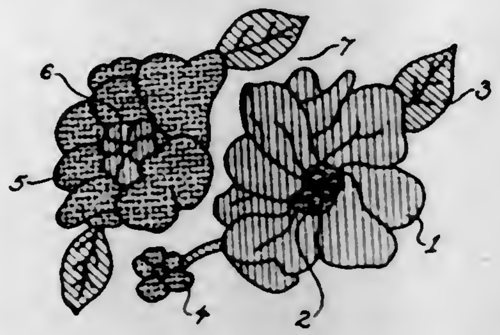
pressed by a contraction in the bore, whereby the fingers will be permitted a radially inward movement by sliding of their wedge shaped teeth upon the sides of the wedge shaped groove.



2,416,997
DECORATION OF FABRIC IN MULTICOLOR RELIEF

Frank C. Hewitt, Northampton, Mass., assignor, by mesne assignments, to The Aspinook Corporation, Jewett City, Conn., a corporation of Delaware

Application May 25, 1944, Serial No. 537,215
4 Claims. (Cl. 41—26)



1. A fabric having a representation of leaves on a contrasting ground in which elongated portions of the fabric included in the leaves, and of a length not more than twice their width, are printed with a permanent resist and are unshrunken and buckled to produce a simulation of reality in the leaves, the surrounding fabric being shrunken and flat.

2,416,998
CELLULOSE SOLUTION AND METHOD OF MAKING THE SAME

Frank C. Hewitt, Northampton, and Charles Roy Cayen, Easthampton, Mass., assignors, by mesne assignments, to The Aspinook Corporation, Jewett City, Conn., a corporation of Delaware

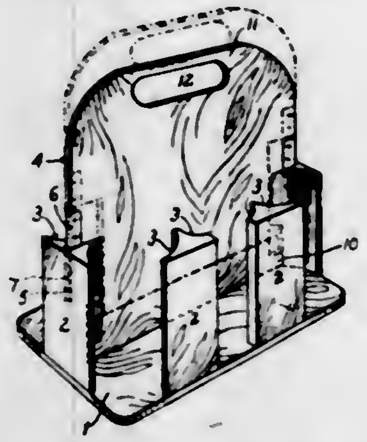
No Drawing. Application March 24, 1944, Serial No. 528,010
2 Claims. (Cl. 252—311)

1. A process of forming a cellulose sol which comprises subjecting cellulose to the action of an acid dichromate solution for a time sufficient to degrade the cellulose to the extent desired, washing and drying the degraded cellulose, saturating the degraded cellulose with a solution of sodium zincate having a total sodium hydroxide concentration of substantially 6N, macerating the saturated oxycellulose for a time sufficient to convert it into soluble form, and diluting the macerated mass to bring its sodium hydroxide concentration to substantially 2.5N.

2,416,999
BOTTLE CARRIER

Claude D. Keith, Lake Mahopac, N. Y., and Joseph F. O'Brien, Englewood, N. J.; Irene M. Keith, administratrix of said Claude D. Keith, deceased, said O'Brien assignor to said Irene M Keith as administratrix

Application April 18, 1944, Serial No. 531,550
2 Claims. (Cl. 224—48)



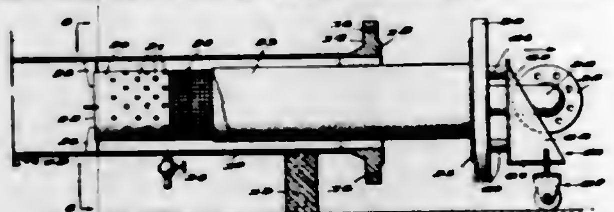
1. A bottle carrier of the rigid type comprising a rigid bottom for the support of a load of cylindrical bottles aggregated in close adjacency to provide a plurality of rows, said bottom being of substantially rectangular form and provided with rectilinear edges, a series of rigid posts mounted in spaced relationship to each other along the outer edges of said bottom, each of said posts having outer flat surfaces positioned flush with said rectilinear edges to form sectional carrier walls and provided with inwardly-extending cusp-shaped portions disposed between adjacent cylindrical segments of a plurality of bottles and being provided with bottle-contacting seat-forming surfaces comprising cylindrical segments adapted to engage the cylindrical side wall surfaces of said plurality of bottles to provide sectional bottle-seats therefor, two of said series of sectional posts being end-posts positioned at opposite ends of said bottom in alignment with each other and the other members of said series being side-posts arranged along the side edges of said bottom, and a separating partition having a handle portion lowerable to a position below the tops of the bottles carried, said partition being connected with said end posts and extending between adjacent rows of bottles to contact with bottle-bodies at positions remote from said side posts and to retain said bottles in contact with the side sectional posts.

2,417,000
MEANS FOR SUPPORTING AND CARRYING FILTER ELEMENTS

Edgar A. Koenig, Dallas, Tex., assignor, by mesne assignments, to Socony Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

Application November 20, 1944, Serial No. 564,249
11 Claims. (Cl. 210—62)

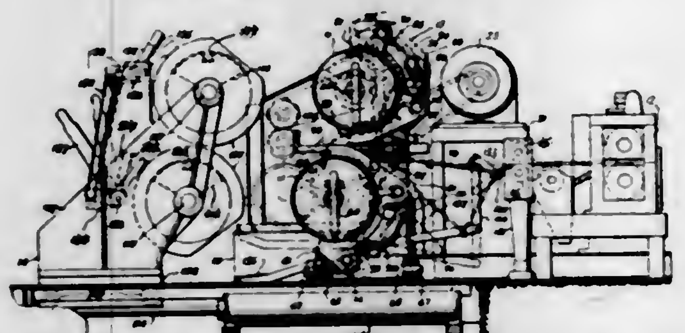
11. In combination; a filter comprising an elongated casing having one of its ends open, a flange surrounding the open end of said casing, an elongated filtering element adapted to be removably supported in spaced alignment within said casing, means mounted on and positioned adjacent the inner end of said filtering element adapted to rest upon the inner periphery of said casing for maintaining the inner end of said filtering element in spaced alignment relative to the casing, a flange secured to the outer end of said filtering element adapted to be secured to said casing flange, a plurality of spaced openings in the outer face of said filter flange, a conduit through said filter flange extending outwardly therefrom a support for removing said filtering element from said casing while maintaining said filtering element in alignment with said casing, said support comprising a base, wheels secured to the underside of said base, means for vertically adjusting said base relative to said wheels, a frame extending upwardly from said base, a plurality of spaced studs extending outwardly from said frame for entering the openings in said filter flange to support the filter element relative to said casing, and a substantially U-shaped open portion in said frame for cradling said conduit which extends outwardly through said filter flange.



2,417,001
BLOCKER AND COIL HANDLING DEVICE

Louis Leroy, Chicago, and Frank J. Wood, Riverside, Ill., assignors to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application April 9, 1942, Serial No. 438,248
8 Claims. (Cl. 242—81)



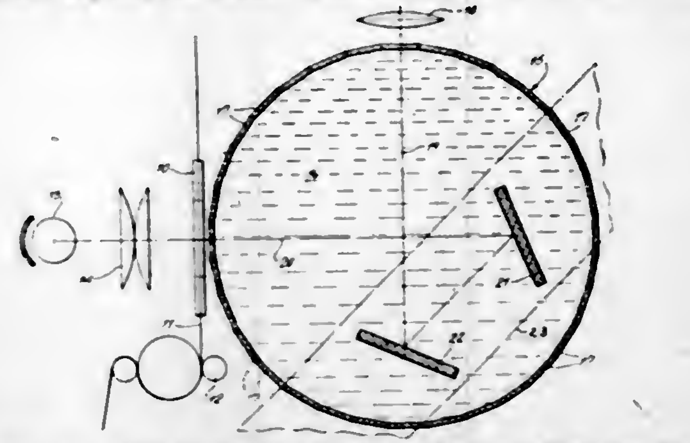
3. In a coil handling apparatus and in combination with a plurality of spaced power driven blocks adapted to simultaneously wind a plurality of parallel spaced strips of metal thereon, a push-off plate extending along one end of said blocks, a plurality of parallel spaced spacing members mounted on said push-off plate and spaced from the blocking side thereof, said spacing members extending partially around said blocks and substantially conforming to the form thereof, and means for moving said push-off plate and spacing members along the faces of said blocks, for removing said coils from the ends thereof in spaced relation with respect to each other.

2,417,002
OPTICAL COMPENSATOR

Jacob F. Leventhal, New York, N. Y., assignor to Leventhal Patents, Inc., Chattanooga, Tenn., a corporation of Delaware

Application February 10, 1945, Serial No. 577,300
6 Claims. (Cl. 88—16.8)

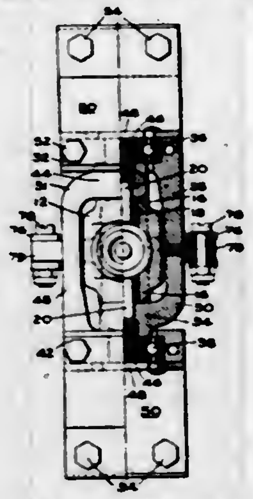
1. An optical compensator comprising a transparent rotatable container having an even number of flat exterior faces parallel to the optical axis and an equal number of flat interior faces, each interior face being parallel to an exterior face with uniform spacing between the exterior and interior faces of the pairs, a body of transparent liquid in said container, and a pair of reflectors within the liquid body parallel to the rotational axis and in proper angular relation to each other that a beam of light entering one exterior face of the compensator at right angles thereto emerges from another exterior face of the compensator at right angles thereto.



2,417,003
CHANGEABLE PITCH AIRSCREW HUB

Donald R. MacAlpin, Lackawanna, N. Y., assignor to Bell Aircraft Corporation, Buffalo, N. Y.

Application September 18, 1943, Serial No. 502,949
5 Claims. (Cl. 170—163)



1. An airscrew device comprising a drive shaft, a hub member secured to said shaft, diametrically opposed pins journalled in said member, a pair of brackets embracing said member, one end of each bracket being secured to one of said pins, the other end of each bracket being adapted to support a blade, and thrust bearing means interposed between the blade receiving end of each bracket and the pin receiving end of each other bracket, whereby said brackets are mutually pivotally related for adjustment about a common axis.

2,417,004
PROCESS FOR THE MANUFACTURE OF 4-AMINOBENZENE-N^1-(3':4'-DIMETHYLBENZOYL)-SULFONAMIDE

Henry Martin and Otto Neracher, Basel, Switzerland, assignors to the firm of J. R. Geigy A. G., Basel, Switzerland

No Drawing. Application March 27, 1944, Serial No. 528,340. In Switzerland April 9, 1943
4 Claims. (Cl. 260—397.7)

4. A process for the manufacture of 4-nitrobenzene - N$_1$ - (3':4' - dimethylbenzoyl)-sulfona-

mide, which comprises subjecting 4-nitrobenzene-N_1-(3':4'-dimethylbenzoyl)-sulfenamide to the action of an oxidizing agent whereby the corresponding sulfonamide is obtained, and then subjecting the resultant 4-nitrobenzene-N_1-(3':4'-dimethylbenzoyl)-sulfonamide to the action of a reducing agent whereby the nitro group is reduced to amino.

2,417,005
PROCESS FOR THE MANUFACTURE OF P-AMINOBENZENE SULFONE-N_1-ACYLAMIDES

Henry Martin and Franz Häfliger, Basel, Switzerland, assignors to J. R. Geigy A. G., Basel, Switzerland, a Swiss firm

No Drawing. Application April 12, 1944, Serial No. 530,738. In Switzerland April 9, 1943

7 Claims. (Cl. 260—397.7)

1. In the process for the manufacture of p-aminobenzene sulfone-N_1-acylamides, the step of reacting a metal salt of a carboxylic acid amide selected from the group consisting of aliphatic, araliphatic, benzene-aromatic, naphthalene-aromatic, alicyclic and heterocyclic carboxylic acid amides containing a metal selected from the group consisting of Na, K and Ca with a benzene sulfonic acid chloride selected from the group consisting of p-nitrobenzene sulfonic acid chloride and p-acylaminobenzene sulfonic acid chloride.

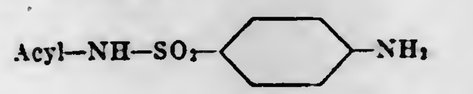
2,417,006
PROCESS FOR THE MANUFACTURE OF ACYL-SULFONAMIDES

Henry Martin, Franz Häfliger, and Otto Neracher, Basel, Switzerland, assignors to J. R. Geigy A. G., Basel, Switzerland, a Swiss firm

No Drawing. Application May 1, 1944, Serial No. 533,659. In Switzerland May 21, 1943

6 Claims. (Cl. 260—397.7)

1. A process for the manufacture of an N-acyl sulfonamide of the formula



$$\mathrm{Acyl{-}NH{-}SO_2{-}C_6H_4{-}NH_2}$$

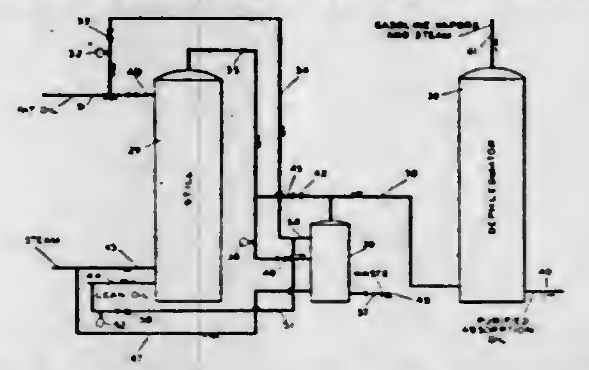
wherein acyl represents a carboxylic acid radical of at least four carbon atoms, which comprises hydrolysing a member selected from the group consisting of an N-sulfanilyl amidine and an N-sulfanilyl iminoether of a carboxylic acid of at least four carbon atoms by heating with an about 0.5–1 N mineral acid.

2,417,007
ABSORPTION OIL RECLAIMER

Charles O. Meyers, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application June 16, 1944, Serial No. 540,643

2 Claims. (Cl. 196—8)



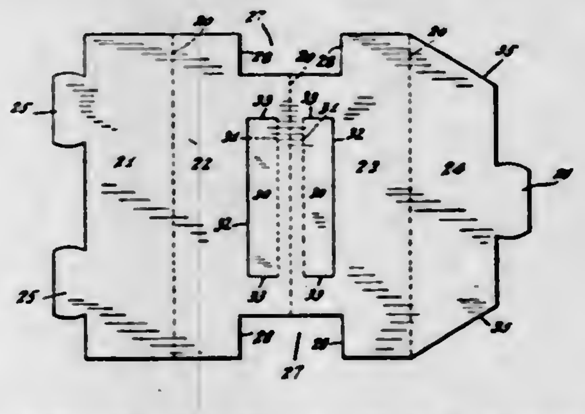
1. An absorption oil purification process for removing accumulated high boiling impurities from used absorption oils and requiring only a minimum amount of steam comprising passing an amount of absorption oil previously enriched with absorbed gasoline hydrocarbon and to be purified into the inlet end of a contact zone having an inlet end and an outlet end with respect to the flow of liquid absorption oil being purified, introducing a stream of gasoline hydrocarbon vapors previously removed from another portion of said rich absorption oil and steam into the contact zone at a point intermediate the ends thereof, introducing steam into the contact zone at the outlet end, withdrawing a combined stream of steam, gasoline hydrocarbon vapors and distilled absorption oil at the inlet end of said contact zone, passing said combined stream into a dephlegmator condensing in said dephlegmator the distilled absorption oil portion of said combined stream and withdrawing the uncondensed gasoline hydrocarbon vapors and steam, and withdrawing said condensed absorption oil as the purified product of the process; and withdrawing undistilled bottoms from said contact zone as reject material.

2,417,008
CHICK BOX SPACER

Andrew E. Miller, Terre Haute, Ind., assignor to The Wabash Fibre Box Company, Terre Haute, Ind., a corporation of Indiana

Application November 8, 1944, Serial No. 562,410

5 Claims. (Cl. 229—6)



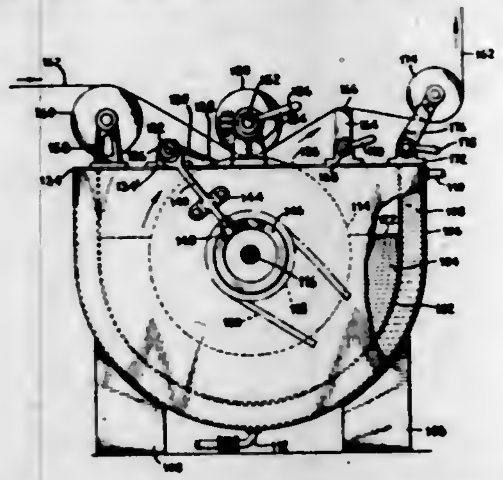
3. A spacing member for use on the cover of a chick box, said member comprising a generally rectangular blank of foldable material, said blank being provided in opposite edges with similar notches, each of said notches having parallel side edges respectively alined with the side edges of the other notch whereby said notches will have a common center-line, said blank being folded upon itself about said center line, the end portions of said blank being folded away from each other on lines parallel to said center-line, said end portions being provided with ears at their outer edges.

2,417,009
PROCESS OF COATING WITH THERMOPLASTIC MATERIAL

Bert C. Miller, Montclair, N. J., assignor to Bert C. Miller, Inc., East Orange, N. J., a corporation of New York

Application September 19, 1939, Serial No. 295,577

1 Claim. (Cl. 117—64)



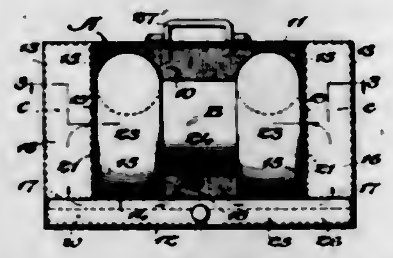
The method of coating sheet material with high melting thermoplastic material having a sharp melting point not substantially exceeding about 300° F., comprising printing a surface of a continuously advancing web of sheet material with said thermoplastic, heated to a liquid state, to form relatively closely spaced but segregated and uniform quantities, and thereafter spreading and smoothing the thus-applied thermoplastic material, in a single step, into a continuous even film solely by the conjoint simultaneous application of heat and spreading pressure to the printed surface of the said continuously advancing web.

2,417,010
AIR CIRCULATING AND CONDITIONING DEVICE

William R. Mobley, Miami, Fla.

Application February 23, 1944, Serial No. 523,601

3 Claims. (Cl. 261—24)



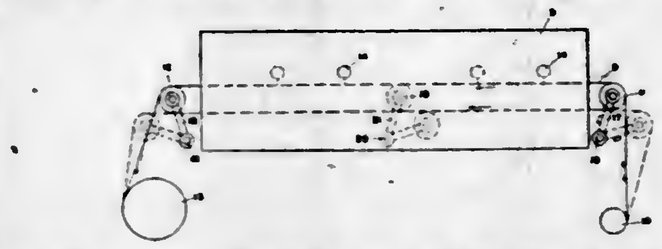
1. An air conditioning and circulating device comprising a casing, a horizontal wall in said casing near the bottom thereof separating the same into a bottom compartment to contain a body of water and a space thereabove, a pair of vertical partition walls extending between said horizontal wall and the top of said casing near the ends of the latter, respectively, dividing said space into a central chamber and two vertically extending passageways beyond the ends thereof, said central chamber having an opening for admission of air thereto, said horizontal wall having a central opening for flow of air from said central chamber downwardly into said bottom compartment and over a body of water contained therein, said horizontal wall also having a pair of end openings alined with said passageways, respectively, for flow of air from the ends of said bottom compartment to said passageways, and a motor-driven suction unit in said central chamber having side air inlets in communication with said passageways, respectively, said unit further having air outlet means through a wall of said central chamber for discharge of air from the device remote from the opening for admitting air to said central chamber.

2,417,011
APPARATUS FOR DRYING WEBS

Bernard Offen, Chicago, Ill.

Application January 8, 1944, Serial No. 517,587

2 Claims. (Cl. 263—8)



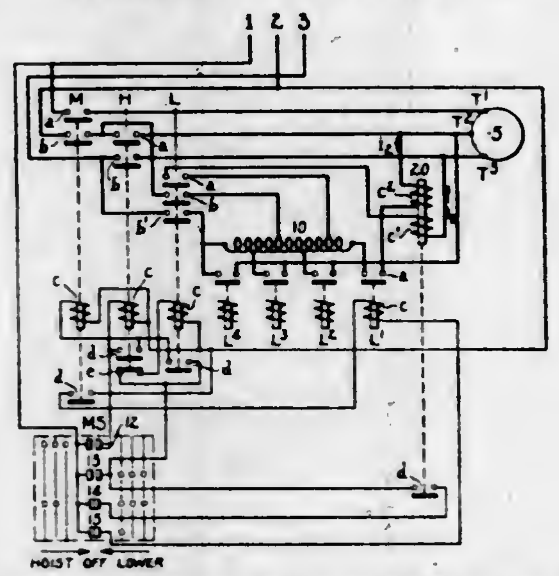
1. In a combination of apparatus for drying a printed web, a drying hood, a plurality of ribbon burners and means for positioning said burners within the hood for directing flames therefrom toward the path of travel of a web passing through the hood, a roller at one end of the hood, another roller at the other end of the hood, a web supported by said rollers, and means for shifting said rollers in a coordinated movement so that the web will be positioned at a desired distance from the burners.

2,417,012
POLYPHASE INDUCTION MOTOR BRAKING SYSTEM

Eric Pell, Shorewood, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware

Application May 27, 1944, Serial No. 537,596

10 Claims. (Cl. 172—152)



1. The combination with an induction motor, of means for braking said motor through the medium of power connections for the primary of said motor, said means comprising an autotransformer through the medium of which the voltages for the motor primary are unbalanced, and said means also comprising, for maintaining said connections subject to interruption thereof when the motor speed is reduced to a given value, electroresponsive means having a plurality of control windings one of which is subjected to the current in certain of said connections and another of which is subjected to the current in other of said connections, said windings jointly providing a controlling influence on said electroresponsive means as a function of change in the difference between the vector values of said currents resulting from change in speed of said motor.

2,417,013
TOGGLE ACTUATED SLIDING JAW WRENCH

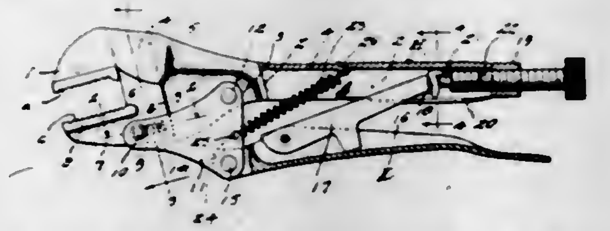
William Petersen, De Witt, Nebr.

Application May 21, 1945, Serial No. 594,970

5 Claims. (Cl. 81—88)

1. A wrench comprising a handle member formed of sheet metal and bent into channel formation, a fixed jaw carried by one end portion of the handle member, the side walls of the handle

member inwardly of the fixed jaw being laterally extended, said extended portions being inwardly offset for contact one with the other, said extended portions having their outer edges substantially straight, a slide bar riding on said substantially straight edges of the extended portions, an outwardly disposed jaw carried by an end portion of said slide bar, a plate having one end portion pivotally connected with the handle member and an opposite end portion operatively engaged with the slide bar whereby rocking movement of the plate will impose rectilinear movement to the slide bar, a retractile member operatively engaged with the plate and with the handle member, and means for rocking the plate.



2,417,014

ACIDIC SOLUTION OF A PARTIALLY POLYMERIZED MELAMINE FORMALDEHYDE CONDENSATION PRODUCT IN AN AQUEOUS ALIPHATIC POLYHYDRIC ALCOHOL SOLVENT

John D. Pollard, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application December 30, 1943, Serial No. 516,250
14 Claims. (Cl. 260—29)

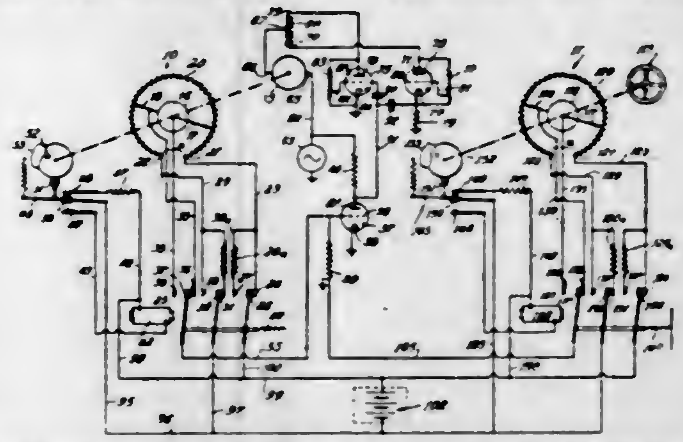
2. An acidic solution of a partially polymerized melamine-formaldehyde condensation product in a solvent comprising an aqueous, aliphatic polyhydric alcohol solution containing at least 5% by weight of water and at least 30% by weight of a water-soluble aliphatic polyhydric alcohol, said solution having a pH of 4.0 to 6.8 and containing 5 to 50% by weight of a melamine-formaldehyde polymer in a degree of polymerization less than that of an undispersible gel and being dilutable with water to a 1% melamine-formaldehyde polymer solids content without precipitation thereof.

2,417,015

ELECTRICAL TELEMETERING SYSTEM

Joseph Razek, Llanerch, Pa., assignor, by mesne assignments, to Oliver W. Storey, Wheaton, Ill., as trustee for the partnership of O. W. Storey & Associates, Chicago, Ill.
Application June 13, 1945, Serial No. 599,165
10 Claims. (Cl. 172—239)

6. A telemetering system comprising a receiving station and transmitting station, a reversible motor at the receiving station, rotatable means at the transmitting station, said rotatable means having its motion duplicated at the receiving station, a potentiometer system at each station, said potentiometer system comprising the following; a first resistance having terminals and a contact-making portion along the length thereof disposed to form an incomplete circle with the remainder of said circle forming an inactive angular arc of substantially less than 180 degrees, a pair of relatively rigid wipers rotatable around the center of said circle and cooperating with said contact-making portion, said wipers forming an angle of 180 degrees therebetween, a fixed resistance connected to each terminal of said first resistance, there being two fixed resistances with a free terminal on each for connection to a source of potential, each fixed resistance being equal in value to a part of the first resistance directly included between wipers when contacting the first resistance, switching means for selectively shorting out a fixed resistance, additional switching means for selectively connecting a wiper to a circuit; means for rotatably coupling said wipers to the motor at the receiving station, means for rotatively coupling said wipers to the rotatable means at the transmitting station, means coupled to said wipers at each station for simultaneously operating said switching means and timed to change the position of said switching means when one of each pair of wipers lies within the inactive arc and small regions adjacent the ends of said inactive arc, said switching means being so poled that the fixed resistance adjacent the inactive wiper is shorted out and that wiper selected as inactive which is within the inactive arc and regions bordering the ends thereof, a pair of lines connecting corresponding free terminals on said fixed resistances, a source of potential connected across said lines, connections from that portion of said switching means selecting the wipers, said last-named connections being adapted to have a potential difference therebetween whose magnitude and sign depend upon the angular misalignment of the pair of wipers at one station with respect to the pair of wipers at the other station, and means controlled by said wiper connections for controlling the direction of motor rotation, said last-named means being adapted to cause motor rotation in one direction upon a potential difference in wipers in excess of a predetermined threshold value and to cause motor rotation in a reverse direction upon a potential difference between wipers less than said threshold value.



2,417,016

WITHDRAWN

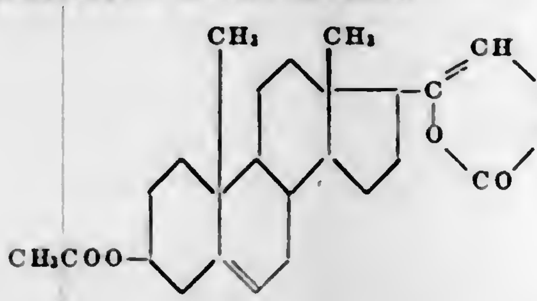
2,417,017

PROCESS FOR THE MANUFACTURE OF UNSATURATED LACTONES OF THE CYCLOPENTANOPOLYHYDROPHENANTHRENE SERIES

Leopold Ruzicka, Zurich, Switzerland, assignor to Ciba Pharmaceutical Products, Inc., Summit, N. J., a corporation
No Drawing. Application May 20, 1942, Serial No. 443,840. In Switzerland July 11, 1941
5 Claims. (Cl. 260—239.5)

1. A lactone of the group consisting of the saturated and unsaturated five- and six-membered lactones which are substituted at the ω-carbon atom by a Δ^5-3-acyloxy-etio-cholenyl-(17) radical.

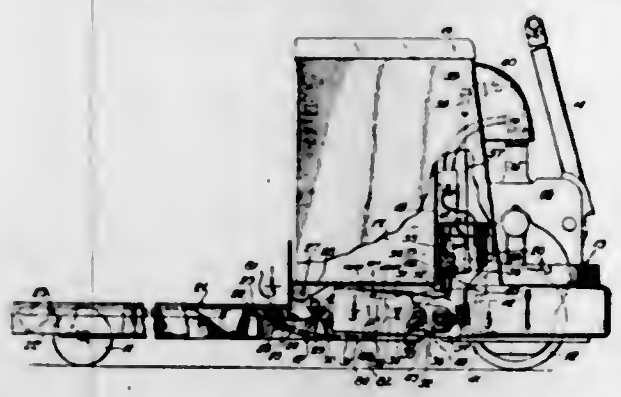
4. The δ′-[Δ^5 - 3 - acetoxy-etio-cholenyl-(17)]-δ′:γ′-pentenolide of the formula



2,417,018

LIFTING MECHANISM FOR INDUSTRIAL TRUCKS

Charles S. Schroeder, Philadelphia, Pa., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut
Application September 23, 1942, Serial No. 459,380
10 Claims. (Cl. 254—2)



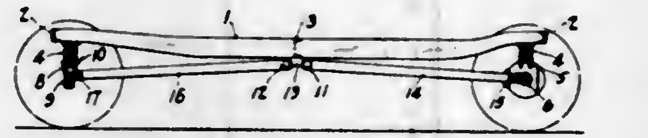
5. In a truck of the class described having a main frame, an elevating platform, a hydraulic lift mechanism of the type having a ram for lifting said elevating platform relatively to said main frame, a pump, and valves for rendering said pump effective and ineffective to lift said ram when said pump is operated and for allowing lowering movement of said ram, an electric motor for operating said pump, an electric control switch for said motor, and manually operated means connected by mechanical linkage to said valves and to said control switch for positioning said valves and for simultaneously positioning said control switch, said manually operated means when in a central position positioning said control switch to stop the motor while simultaneously positioning said valves so that the pump will not lift the ram, said manually operated means when moved to one side of said central position positioning said control switch to energize said motor while positioning said valves so that the pump is effective to lift said ram, means connecting said platform to said manually operated means whereby said platform when fully lifted, moves said manually operated means to said position at one side of said central position, said manually operated means when moved to the other side of said central position positioning said control switch to stop said motor while positioning said valves to allow lowering movement of said ram.

2,417,019

AUTOMOBILE SUSPENSION

Donald W. Sherman, Shorewood, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application July 26, 1944, Serial No. 546,675
9 Claims. (Cl. 280—112)

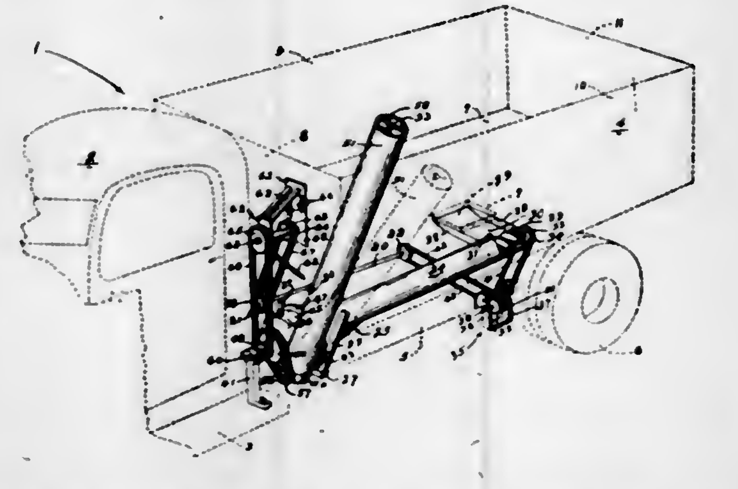
1. In an automobile, a frame, road wheels and axles, and a floating support for the frame upon the road wheels thereof, comprising means at each end of the frame to resiliently support the same upon the corresponding wheels at the respective ends and embodying pivotal connections with said axles axially coinciding with the approximate longitudinal center line of the frame, and torsion means disposed transversely across the approximate center of mass of the frame and connected to the respective wheels to prevent roll of the frame on said pivotal connections.



2,417,020

GRAIN UNLOADER

Hardie Lee Shugart, Oklahoma City, Okla., assignor of one-half to Ed. Reynolds, Oklahoma City, Okla.
Application September 4, 1945, Serial No. 614,387
6 Claims. (Cl. 214—83)



1. In apparatus of the class described, the combination with a motor driven vehicle having a body for carrying granular material, of: a spiral conveyor horizontally disposed along one side of said vehicle body; a chute leading to one end of the conveyor from the interior of the body; means associated with the motor of the vehicle for rotating the conveyor to move the material from the chute to the other end of the conveyor; a collector for receiving the material from the conveyor; a second spiral conveyor having its lower end communicating with the first conveyor for receiving the material therefrom; means for tiltably mounting the second conveyor; and driving connections from the motor to the second conveyor.

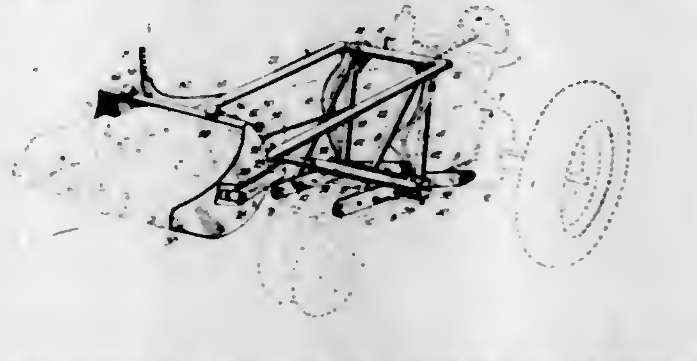
2,417,021

POWER-LIFT ATTACHMENT FOR TRACTORS

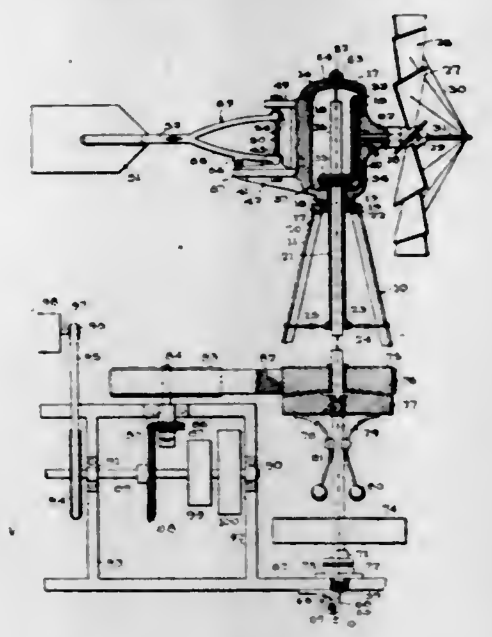
Wayne W. Simmonds, Ottawa, Kans., assignor to Ottawa Steel Products, Incorporated, Ottawa, Kans., a corporation of Kansas
Application March 17, 1945, Serial No. 583,300
4 Claims. (Cl. 214—140)

1. A power lift attachment for tractors comprising, a frame including vertical members, means for attaching the frame to opposite sides of the tractor frame, the lower end of the vertical members extending to substantially the bottom of the tractor frame, trunnions extending outwardly from the upper ends of the vertical members, load lifting arms having their rear

ends pivotally mounted on said trunnions, a cross member rigidly connecting the load lifting arms adjacent the forward ends thereof, material carrying means pivotally carried by the outer ends of the arms, hydraulic cylinders pivoted adjacent the lower ends of the vertical members and provided with plunger rods projecting forwardly to the front of the tractor, means for pivotally connecting the forward ends of said plungers to the cross member intermediate the load lifting arms, and valve-controlled hydraulic connections adjacent the pivoted ends of said hydraulic cylinders for applying fluid pressure thereto for actuating the plungers and lifting the material carrying means.

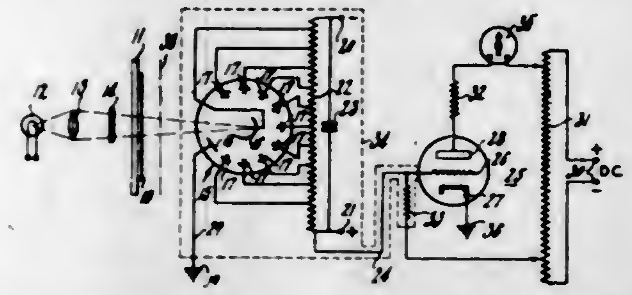


2,417,022
WINDMILL
Allen Stagg, Vega, Tex.
Application May 23, 1945, Serial No. 595,408
3 Claims. (Cl. 170—46)



1. A windmill comprising a supporting standard, a housing pivotally mounted on said standard for rotary movement about a vertical axis, a windwheel shaft journalled in said housing, a windwheel on said shaft, a vertical power shaft rotatably carried by said standard, motion transmitting means connecting the windwheel shaft with said power shaft and enclosed by said housing, a tail vane, means pivotally supporting said tail vane from said housing, an arcuate cam member, means supporting said cam member from said housing, said cam member having the upper surface thereof inclined to the horizontal and formed with a depression at the low end of said inclined surface, and a roller carried by said supporting means engaging said cam member and adapted when disposed in said depression to releasably lock said tail vane in alignment with said windwheel shaft.

2,417,023
PHOTOELECTRIC ELECTRON MULTIPLIER TUBE PHOTOMETER CIRCUITS
Monroe Hamilton Sweet, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Application September 15, 1944, Serial No. 554,318
18 Claims. (Cl. 250—41.5)



7. An electronic light measuring system comprising, in combination, a source of light; a light sensitive photo-multiplier device operatively associated with such source, and having a light sensitive cathode, a plurality of multiplier dynodes and an anode; said photo-multiplier device having a conductivity directly dependent upon the amount of light reaching said device from said source of light; voltage means in circuit connection with said multiplier dynodes of said device and operative to impress graduated potentials across said multiplier dynodes; an electronic amplifier tube having parameters such that the grid potential and thus the output current thereof are a logarithmic function of the grid current; circuit means connecting the grid of said amplifier tube in series circuit relation with the output of said photo-multiplier device such that the grid current of said amplifier tube equals the output current of said device, which output current varies directly as the amount of light reaching said device; an ammeter connected in series circuit relation with the output circuit of said tube, whereby the indications of said meter are a logarithmic function of the light reaching said photomultiplier device.

2,417,024
MANUFACTURE OF ACROLEIN OXIME AND ACRYLONITRILE
Karl Heinrich Walter Tuerck, Banstead, and Hans Joachim Lichtenstein, London, England, assignors to The Distillers Company Limited, Edinburgh, Scotland, a British company
No Drawing. Application January 11, 1944, Serial No. 517,866. In Great Britain November 13, 1942
21 Claims. (Cl. 260—464)

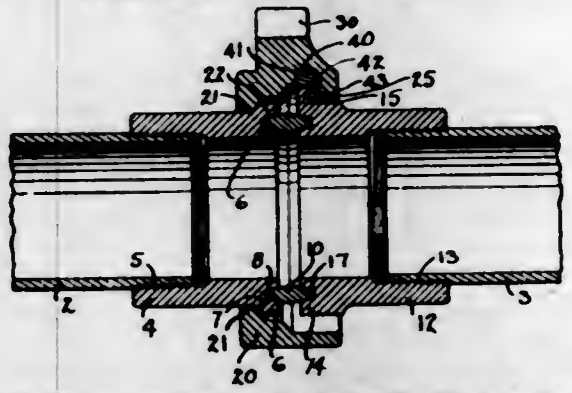
15. Acroleinoxime having the formula

$$CH_2{=}CH{-}CH{=}NOH$$

and a boiling point of about 35° C. under a pressure of 9 mm. of mercury and a specific gravity of about 0.996 at 15° C.

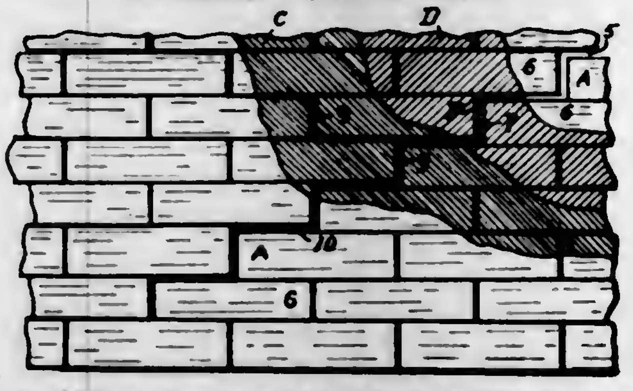
17. A process for the manufacture of acrylonitrile which comprises reacting acrolein with a solution of hydroxylamine in the substantial absence of free, strong inorganic acids at a temperature not exceeding 50° C. and at a pH of 6.5 to 9, isolating from the reaction mixture monomeric acroleinoxime having the formula $CH_2{=}CH{-}CH{=}NOH$ and a boiling point of about 35° C. under a pressure of 9 mms. of mercury and a specific gravity of about 0.996 at 15° C., and vapourising said monomeric acroleinoxime and passing the vapours over a dehydrating catalyst comprising alumina at a temperature of 200° to 400° C. whereby acrylonitrile is produced.

2,417,025
HAMMER-LOCK UNION
Alexander S. Volpin, Houston, Tex., assignor to Knud I. Bruun, Houston, Tex., doing business as Turbolite Company, Houston, Tex.
Application June 21, 1943, Serial No. 491,607
6 Claims. (Cl. 285—177)



1. A pipe or rod coupling including a bushing for connection to one pipe, a head for connection to the other pipe, a clamp ring engaging said bushing, interfitting portions on said head and ring to exert a force pulling said bushing and head together upon relative rotation, and tapered means carried by and slidable in said ring to engage said head to wedge the ring and head against relative rotation, said means being adapted to be hammered into and out of locking position.

2,417,026
FILLING FOR AND TREATMENT OF FRACTURED MASONRY WALLS
William H. Walter, Lima, Ohio
Application January 30, 1946, Serial No. 644,299
7 Claims. (Cl. 72—127)



1. A filling for crevices in fractured masonry walls, said filling consisting of a pack formed of calking material for the rear opening of the crevice, an adhesive coating for the inner face of the pack and adjacent walls of the crevice, a filler for the midportion of the crevice consisting of a mixture of medium oil lithopone—10 lbs., magnesium silicate (Asbestine)—40 lbs., calcium carbonate—50 lbs., short fibre asbestos—20 lbs. and linseed oil in sufficient quantity to render the mixture plastic, and a seal for the front portion of the crevice consisting of a mixture similar to that for the filler with an added amount of fish oil substantially equivalent to 18% of the aggregate.

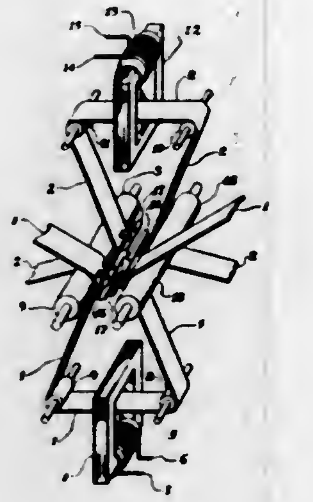
2,417,027
PROCESS FOR PREPARING CHLORINATED ANTHRAQUINONES
Viktor Weinmayr, Pitman, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 28, 1943, Serial No. 508,065
2 Claims. (Cl. 260—384)

1. In the process for preparing chloroanthraquinone compounds wherein an anthraquinone sulfonic acid is reacted with a chlorinating agent in a dilute aqueous solution of a mineral acid to effect replacement of the sulfonic acid group with chlorine, the step which comprises reacting the anthraquinone sulfonic acid with the chlorinating agent in the aqueous solution to which has been added from 0.1 to about 3 parts, per part of anthraquinone sulfonic acid, of a water immiscible organic solvent of the class consisting of chlorobenzenes and nitrobenzene, the total volume of the dilute aqueous acid solvent media being from 5.5 to 13.9 parts per part of anthraquinone sulfonic acid under reaction.

2,417,028
PROCESS FOR THE TREATMENT OF METAL SURFACES AND PRODUCT THEREOF
Franklin B. Wells, Verona, N. J., assignor to Ellis-Foster Company, a corporation of New Jersey
No Drawing. Application December 1, 1942, Serial No. 467,556
2 Claims. (Cl. 117—134)

1. An article of manufacture having a ferrous surface and, in order to render said surface corrosion-resistant and at the same time capable of being subsequently coated directly, a continuous thin film superposed on said ferrous surface and comprising completely hydrolyzed lanolin obtained by hydrolyzing lanolin to a mixture of higher fatty acids and higher alcohols, said film being of a thickness such as is obtained by dipping the article in a 1 to 10% solution of said material in xylene and allowing same to drain and dry.

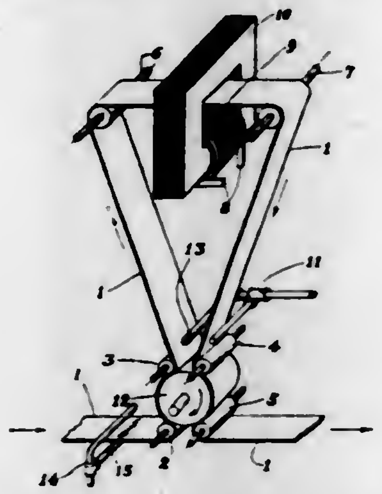
2,417,029
ELECTRIC INDUCTION HEATING APPARATUS FOR CONTINUOUSLY HEATING A PLURALITY OF METAL STRIPS
Golder P. Wilson, Alton, Ill., assignor to Olin Industries, Inc., a corporation of Delaware
Application May 22, 1944, Serial No. 536,751
6 Claims. (Cl. 219—13)



1. A furnace for continuously heating metal strip by means of an electric current induced in the strip comprising means for advancing a plurality of spaced metal strips through said furnace, means for establishing an alternating electromagnetic field, a plurality of spaced metal contact rolls each in contact with each of said strips, and means for guiding at least one of said strips between said contact rolls through and in inductive relation to said alternating electromagnetic field.

2,417,030
ELECTRIC INDUCTION FURNACE FOR CONTINUOUSLY HEATING METAL STRIPS

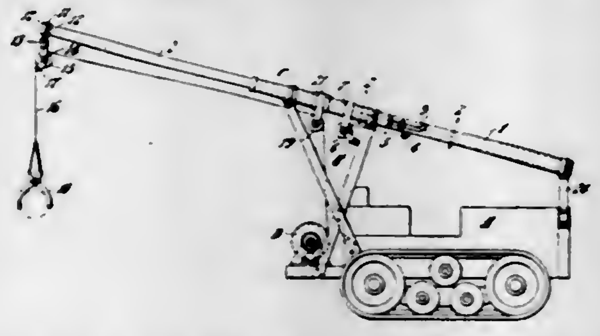
Golder P. Wilson and Lionel E. Goff, Alton, Ill., assignors to Olin Industries, Inc., a corporation of Delaware
Application December 22, 1943, Serial No. 515,240
9 Claims. (Cl. 219—13)



1. An electric induction furnace for continuously heating metal strip comprising means for advancing said strip through the furnace, a metal roll, support means on opposite sides of said roll for holding said strip in electrical contact with a substantial portion of the surface of said roll, means between said support means for holding said moving strip out of contact with said roll to form a loop of said strip, and an alternating electromagnetic field for inducing an electric current in said loop.

2,417,031
TRACTOR BOOM

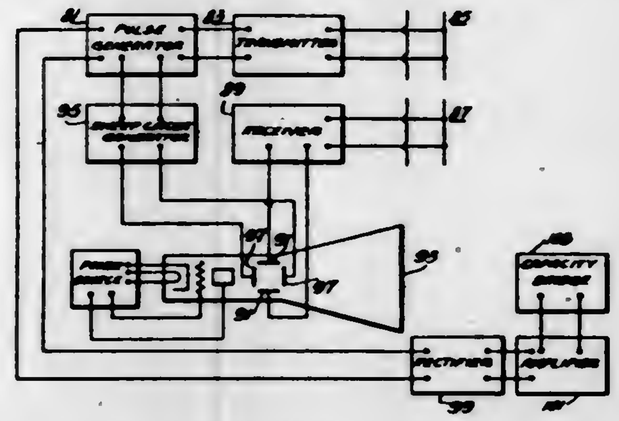
Arthur E. Witherell, Westhampton, Mass.
Application May 31, 1945, Serial No. 596,926
1 Claim. (Cl. 212—141)



A machine for loading and hauling trailers, comprising in combination a common tractor of the self laying track type, two legs mounted astride the tractor at its front end, two longer legs mounted astride the tractor at its rear end, a telescopic boom including a main section and an extensible section, the main section supported at its rear end by said front legs and at its front end by said rear legs, to hold the main section wholly above the tractor in its central longitudinal plane and slanting upwardly toward the rear, over the whole length of the tractor, said extensible section being supported wholly by the main section of the boom, means to move the extensible section out of the main section far enough to the rear for it to overlie a trailer in hitching and hauling relation to the tractor, a sheave pivoted for universal movement on the end of said extensible section, a winch mounted as an accessory of and at one end of the tractor, adapted to draw in and let out a cable extending from the winch up to a guide on the main boom section along the line of both boom sections to said end sheave to draw in a cable load from any angle, position it above a trailer in the aforesaid position back of the tractor and deposit the load by lowering it to said trailer.

2,417,032
ELECTRIC ALTIMETER

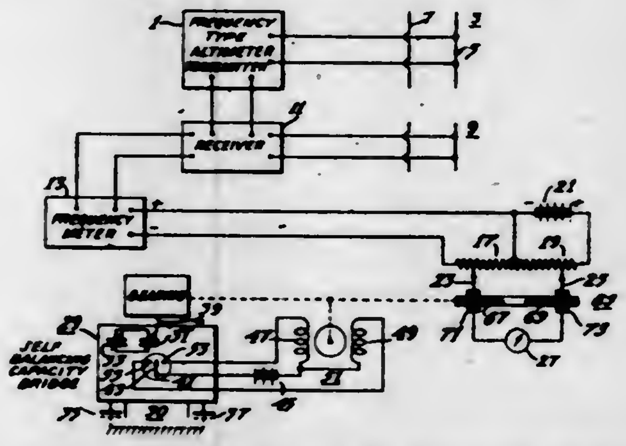
Irving Wolff, Merchantville, N. J., and Jarrett L. Hathaway, Manhasset, N. Y., assignors to Radio Corporation of America, a corporation of Delaware
Application February 28, 1939, Serial No. 259,058
8 Claims. (Cl. 177—352)



2. An altimeter including in combination a pulse type altimeter, a cathode ray indicator for said pulse type altimeter, an electrical bridge type altimeter, means for deriving from said bridge biasing potentials varying as a function of the balance of said bridge, and means for applying said biasing potentials to vary the phasing of the pulses of said pulse type altimeter.

2,417,033
ALTIMETER

Irving Wolff, Princeton, N. J., and Jarrett L. Hathaway, Manhasset, N. Y., assignors to Radio Corporation of America, a corporation of Delaware
Original application February 28, 1939, Serial No. 259,058. Divided and this application December 27, 1945, Serial No. 637,387
2 Claims. (Cl. 177—352)


FREQUENCY TYPE ALTIMETER TRANSMITTER
RECEIVER
FREQUENCY METER
SELF BALANCING CAPACITY BRIDGE

2. An altimeter including an altitude determining device in which high altitudes are determined as a function of timing, a second altitude determining device in which low altitudes are determined by a self-balancing device, an indicator, means operated by said high altitude determining device to apply to said indicator currents varying as a function of high altitudes, and a second means operated by said self-balancing device to apply to said indicator currents varying as a function of said low altitudes.

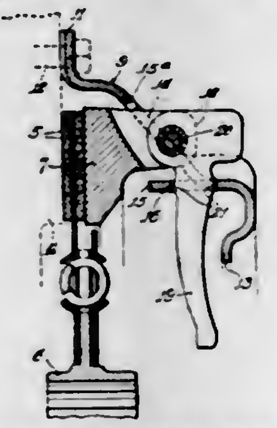
2,417,034
BUTADIENE EMULSION POLYMERIZATION IN THE PRESENCE OF WATER SOLUBLE COMPLEX METAL CYANIDES

Mortimer A. Youker, Cragmere, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 30, 1942, Serial No. 445,219
20 Claims. (Cl. 260—86.5)

1. The process which comprises polymerizing a polymerizable material which is preponderantly a 1,3-diene of the class consisting of the conjugated butadiene hydrocarbons and beta-halogen-1,3-butadienes in aqueous emulsion in the presence of a water soluble complex cyanide of the group consisting of ferricyanides, cobalticyanides, nickelicyanides, molybdicyanides, mercuricyanides, complex cyanides of zinc, copper, and silver, and mixtures of such complex cyanides, the polymerization being carried out in an inert atmosphere.

2,417,035
CLUTCH COVER AND OPERATING LEVER ASSEMBLY

Reinhold C. Zeidler, Detroit, Mich., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application October 14, 1943, Serial No. 506,139
7 Claims. (Cl. 192—68)

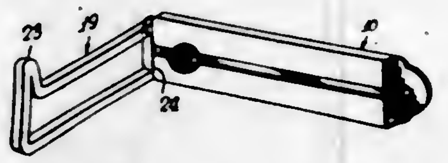


1. A clutch cover and operating lever assembly, comprising a cover having a body portion, an attaching flange on said body portion, an integral perforated lip on said body portion, two directional fulcrum means on said lip, and a clutch operating lever pivoted to the clutch pressure plate extending through said perforated lip and having fulcrum engagement with said lip, said lever being adapted to exert pressure in either direction selectively upon said lip.

2,417,036
AUTOMOBILE HANGER

Robert B. Zelenko, New York, N. Y.
Application September 15, 1945, Serial No. 616,585
2 Claims. (Cl. 211—96)

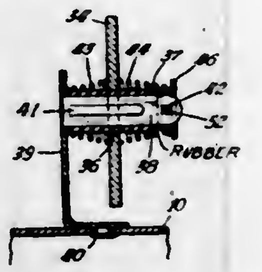
2. A clothes hanging bracket for attachment to a wall comprising in combination sheet metal formed into a channel housing having a wall engaging face, and a tubular loop at one end, an extension arm slidable in said housing comprising spaced branches spanning said loop, said arm being bent at the inner end with pintle forming



fingers whereby the arm may be pivoted at right angles to the housing when withdrawn from said housing, said loop being formed with a locking slot into which the branch of said arm may slide to lock said arm in the angular position aforesaid.

2,417,037
ELECTRIC CHIME SIGNAL

Joseph S. Zuckerman, Chicago Ill., assignor to Mell-O-Chime and Signal Corporation, Chicago, Ill., a corporation of Illinois
Application March 28, 1946, Serial No. 657,700
4 Claims. (Cl. 177—7)



1. An electric chime signal comprising a base plate, solenoid means on said base, a chime plate adapted to be struck by said solenoid means when energized, and means for supporting said chime plate on said base plate, said means including a rigid finger extending through an aperture in said chime plate, coil springs around said finger bearing against opposite sides of said chime plate, a washer slidable on said finger, said finger having a free end with an eye at the free end and a retaining pin passing through said eye and engaging said washer to provide a locked assembly.

2,417,038
FLUORESCENT MATERIAL

Richard H. Clapp, Danvers, Mass., assignor to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts
No Drawing. Application October 25, 1944, Serial No. 560,344
2 Claims. (Cl. 252—301.4)

1. A luminescent material consisting essentially of a fired mixture of calcium phosphate and potassium chloride, thallium-activated, the potassium chloride being between 25% and 50% of the composition by weight.

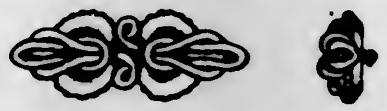
DESIGNS

MARCH 4, 1947

146,425

DESIGN FOR A BROOCH PIN OR SIMILAR ARTICLE

Alfred Axel, New York, N. Y.
Application May 20, 1946, Serial No. 129,920
Term of patent 3½ years
(Cl. D45—19)

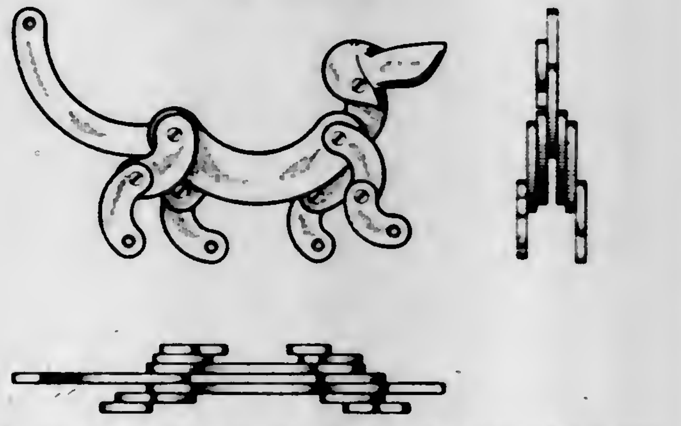


The ornamental design for a brooch pin or similar article, substantially as shown.

146,426

DESIGN FOR A TOY DOG

Martin Berger, New York, N. Y., assignor to Metro Toy Company, New York, N. Y., a partnership
Application October 11, 1945, Serial No. 122,744
Term of patent 7 years
(Cl. D34—2)

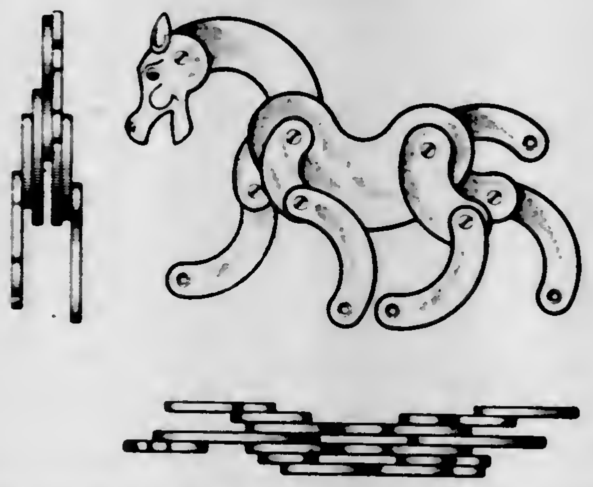


The ornamental design for a toy dog, as shown.

146,427

DESIGN FOR A TOY HORSE

Martin Berger, New York, N. Y., assignor to Metro Toy Company, New York, N. Y., a partnership
Application October 11, 1945, Serial No. 122,745
Term of patent 7 years
(Cl. D34—2)

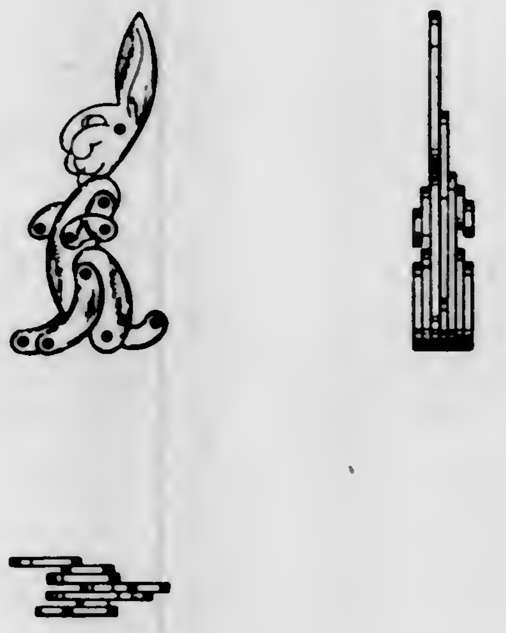


The ornamental design for a toy horse, as shown.

146,428

DESIGN FOR A TOY RABBIT

Martin Berger, New York, N. Y.
Application March 23, 1946, Serial No. 127,857
Term of patent 7 years
(Cl. D34—2)

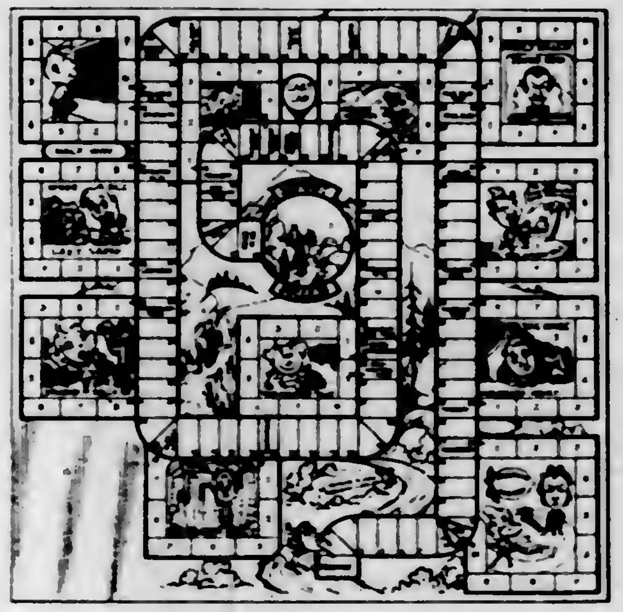


The ornamental design for a toy rabbit, as shown.

146,429

DESIGN FOR A GAMEBOARD

Earl Edwards, Monrovia, Calif.
Application February 12, 1946, Serial No. 126,491
Term of patent 14 years
(Cl. D34—5)

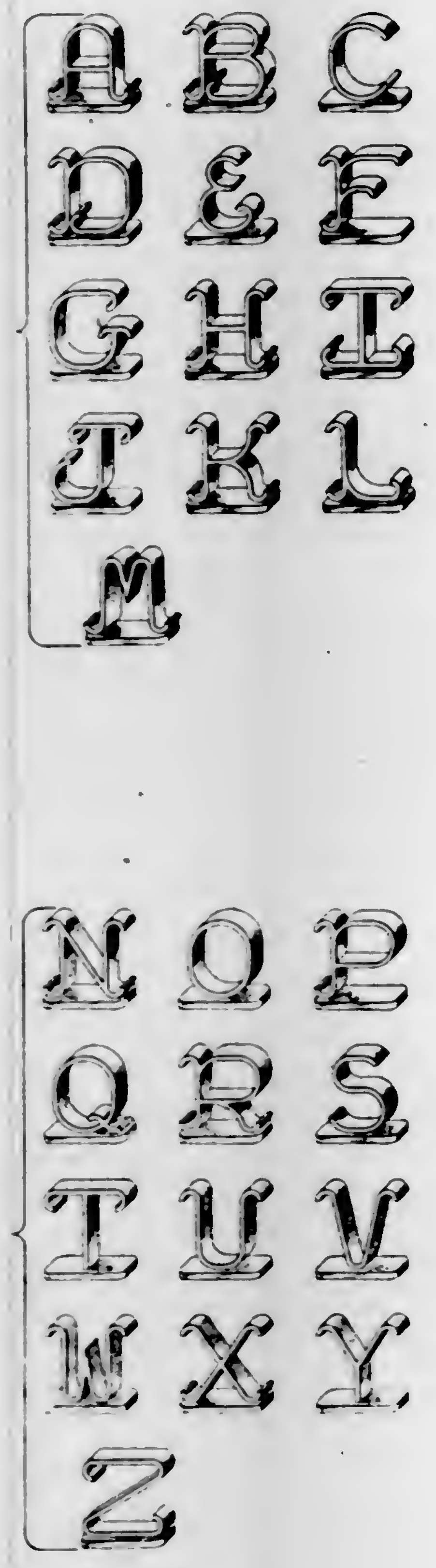


The ornamental design for a gameboard, as shown and described.

146,430

DESIGN FOR AN ALPHABET

Andrew G. Giegold, Jr., Mount Vernon, N. Y.
Application March 2, 1946, Serial No. 127,049
Term of patent 7 years
(Cl. D64—12)

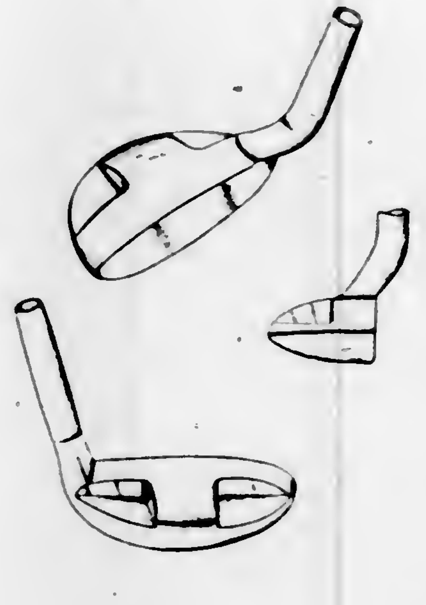


The ornamental design for an alphabet, as shown.

146,431

DESIGN FOR A PUTTER HEAD

Samuel N. Liolich, Detroit, Mich.
Application February 18, 1946, Serial No. 126,660
Term of patent 14 years
(Cl. D34—5)

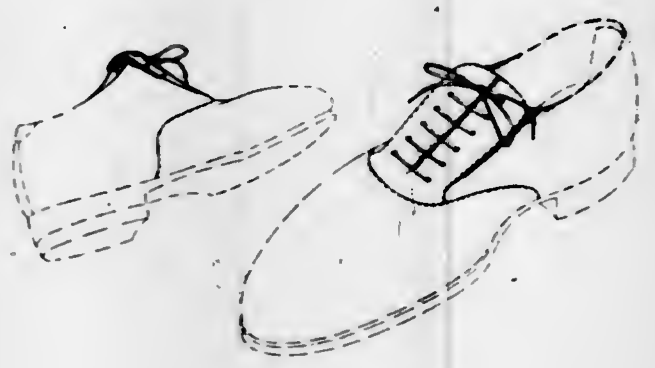


The ornamental design for a putter head, as shown.

146,432

DESIGN FOR A SHOE

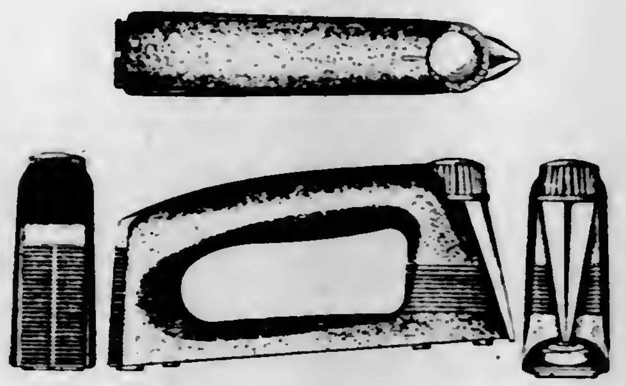
Eduard O. Pielens, Chicago, Ill.
Application October 19, 1946, Serial No. 134,086
Term of patent 14 years
(Cl. D7—7)



The ornamental design for a shoe, substantially as shown and described.

146,433
DESIGN FOR A HANDLE FOR ELECTRIC IRON

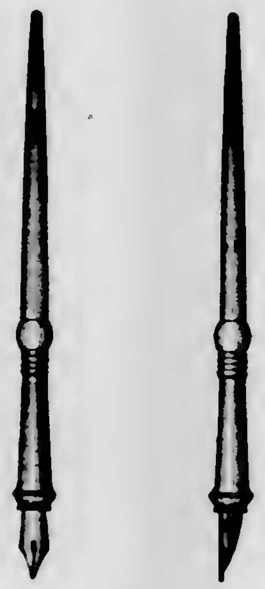
John N. Polivka, Minneapolis, Minn., and Francesco Collura, New York, N. Y., assignors to General Mills, Inc., a corporation of Delaware
Application February 1, 1946, Serial No. 126,160
Term of patent 14 years
(Cl. D49—6)



The ornamental design for a handle for electric iron, as shown.

146,434
DESIGN FOR A PENHOLDER OR SIMILAR ARTICLE

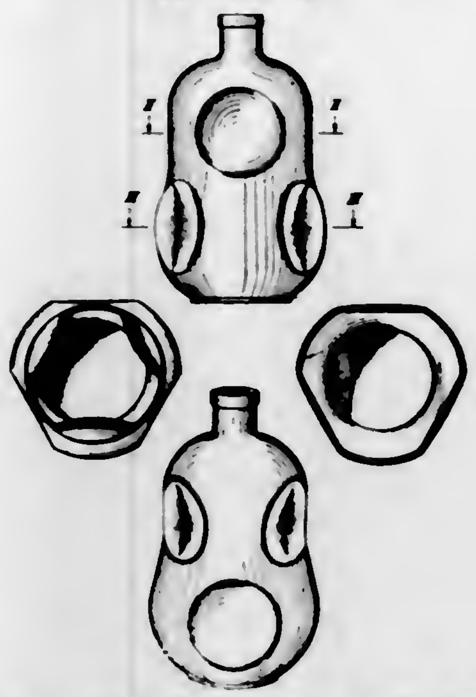
Harry O. Sandberg, Boston, Mass., assignor to Northeastern Plastics, Inc., Boston, Mass., a corporation of Massachusetts
Application August 8, 1946, Serial No. 132,363
Term of patent 7 years
(Cl. D74—17)



The ornamental design for a penholder or similar article, substantially as shown.

146,435
DESIGN FOR A GLASS BOTTLE

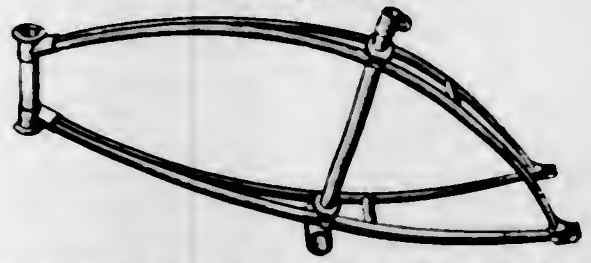
Thomas Scott, Glasgow, Scotland
Application September 6, 1945, Serial No. 121,891
Term of patent 14 years
(Cl. D58—8)



The ornamental design for a glass bottle, as shown.

146,436
DESIGN FOR A BICYCLE FRAME

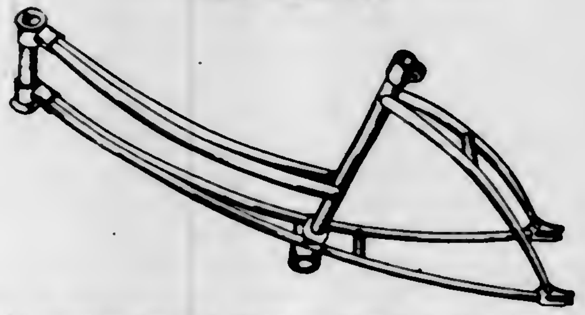
William Henry Taylor, Wednesbury, England, assignor to The Birmingham Small Arms Company Limited, Birmingham, England, a British company
Application January 9, 1946, Serial No. 125,397
In Great Britain October 15, 1945
Term of patent 14 years
(Cl. D90—8)



The ornamental design for a bicycle frame, as shown.

146,437
DESIGN FOR A BICYCLE FRAME

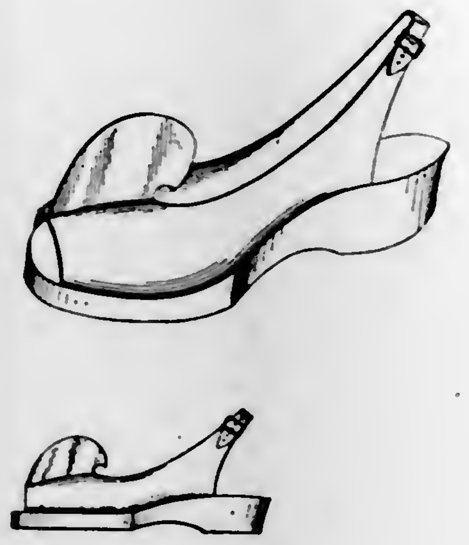
William Henry Taylor, Wednesbury, England, assignor to The Birmingham Small Arms Company Limited, Birmingham, England, a British company
Application January 9, 1946, Serial No. 125,398
In Great Britain October 15, 1945
Term of patent 14 years
(Cl. D90—8)



The ornamental design for a bicycle frame, as shown.

146,438
DESIGN FOR A SHOE

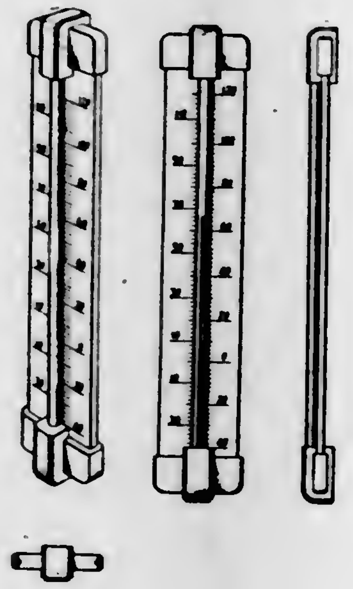
Lester C. Tullgren, Minneapolis, Minn., assignor of one-half to Helen Moessner, Menomonee, Wis.
Application July 23, 1946, Serial No. 131,867
Term of patent 7 years
(Cl. D7—7)



The ornamental design for a shoe, as shown.

146,439
DESIGN FOR A THERMOMETER

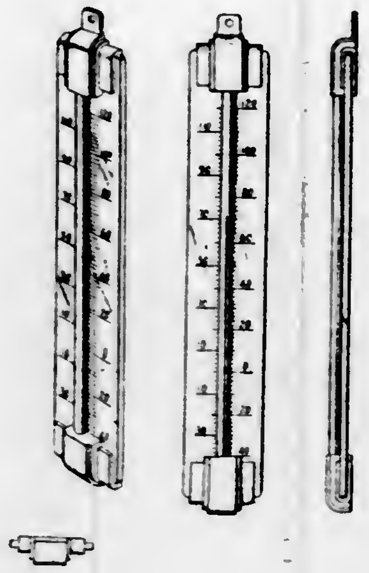
Ralph C. Wappner, Springfield, Ohio, assignor to The Ohio Thermometer Company, Springfield, Ohio, a corporation of Ohio
Application January 10, 1946, Serial No. 125,432
Term of patent 14 years
(Cl. D52—7)



The ornamental design for a thermometer, substantially as shown.

146,440
DESIGN FOR A THERMOMETER

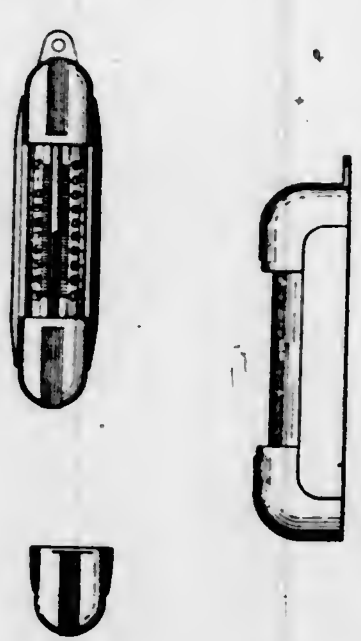
Ralph C. Wappner, Springfield, Ohio, assignor to The Ohio Thermometer Company, Springfield, Ohio, a corporation of Ohio
Application January 10, 1946, Serial No. 125,433
Term of patent 14 years
(Cl. D52—7)



The ornamental design for a thermometer, substantially as shown.

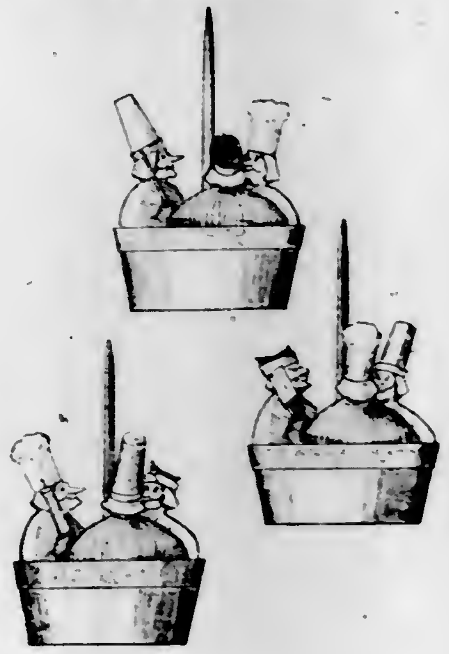
146,441
DESIGN FOR A THERMOMETER

Ralph C. Wappner, Springfield, Ohio, assignor to The Ohio Thermometer Company, Springfield, Ohio, a corporation of Ohio
Application January 10, 1946, Serial No. 125,434
Term of patent 14 years
(Cl. D52—7)

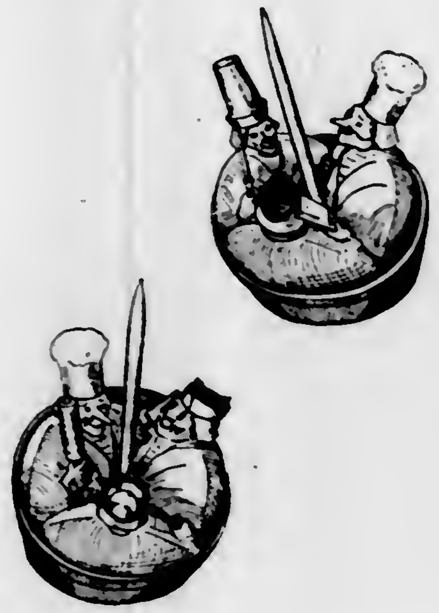


The ornamental design for a thermometer, substantially as shown.

146,442
DESIGN FOR A FLOATING TOY
John H. Wright, Philadelphia, Pa.
Application August 2, 1946, Serial No. 132,249
Term of patent 14 years
(Cl. D34—15)



146,442—Continued



The ornamental design for a floating toy, substantially as shown.

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

W. AVERELL HARRIMAN, *Secretary*

U. S. Patent Office

CASPER W. OOMS, *Commissioner*

PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

Contents

Page
Issue of March 11, 1947 139
Patents Expiring 139
Applications Under Examination 140
Decisions of the U. S. Courts
  J. S. Ivins' Son, Inc., v. United Biscuit Co. of America 141
  In re W. A. Sheaffer Pen Company 142
Patent Suits 143
Notices
  Effective Dates of Declassified Printed Matter 144
  Disclaimers 144
  Notice of Cancellation 144
Register of Patents Available for Licensing or Sale 144
Trade-Marks Published (214 Applications) 147
Trade-Mark Registrations Granted 173
Trade-Mark Registrations Renewed 182
Reissues 185
Patents Granted 186
Designs 278

March 11, 1947

Trade-Marks	200—No.	428,047 to No.	428,246, inclusive
T. M. Renewals. . . .	19		
Reissues	3—No.	22,850 to No.	22,852, inclusive
Patents	366—No.	2,417,039 to No.	2,417,404, inclusive
Designs	16—No.	146,443 to No.	146,458, inclusive
Total	604		

Patents expiring: Patent Numbers 1,749,749 to 1,750,616, inclusive, issued March 11, 1930, expire March 11, 1947

Condition of Applications Under Examination at Close of Business February 21, 1947

(Total number of applications awaiting action, excluding Trade-Mark Division, 140,586; Trade-Mark Division, 12,596. Oldest new case, June 27, 1945; oldest amended, June 11, 1945.)
(The dates given are 1945 except where † indicates 1946.)

	Oldest new application and oldest action by applicant awaiting office action		No. of applications awaiting action
Divisions, Examiners, and Subjects of Inventions	New	Amended	
1. GOLDBERG, A. J., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	Aug. 4	Oct. 15	2782
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	Oct. 10	Oct. 4	3271
3. SCHIMMEL, J., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	Sept. 7	Oct. 1	2048
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Package and Article Carriers; Pneumatic Dispatch; Store Service; Mining, Quarrying, and Ice Harvesting.	Nov. 13	Aug. 24	2718
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	June 29	July 2	4258
6. GENIESSE, E. W., Carbon Chemistry (part)	Dec. 31	†Jan. 19	1877
7. HANLIN, GEORGE, Optics, Photography	†Mar. 4	†Jan. 15	1906
8. IMUS, A. E., Furniture; Kitchen and Table Articles; Racks and Cabinets	Sept. 18	Sept. 21	3659
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	Aug. 31	Aug. 1	2208
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Modulators.	Nov. 14	Nov. 14	1440
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	†May 20	†June 1	791
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	Oct. 2	Oct. 24	2063
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	June 29	Aug. 2	2202
14. FREEHOF, H. B., Metal Working (Bending; Sheet Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	Nov. 21	Dec. 10	1490
15. HENKIN, B., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Heterocyclic Compounds (part); Plastics.	†Mar. 10	Dec. 4	1289
16. LOVEWELL, N. N., Telegraphy; Telephony	†Jan. 17	Dec. 7	1280
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Sept. 27	Nov. 5	1237
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	July 31	July 25	1943
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Dec. 8	Dec. 22	1758
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	Sept. 15	Aug. 28	2140
21. THOMPSON, T. J., Textiles	†Mar. 18	†May 14	888
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Nov. 16	Nov. 2	1945
23. LEWIS, J. B., Cash Registers; Calculators (part)	Dec. 1	Oct. 1	247
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	June 24	July 8	1485
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Sept. 11	Oct. 15	1648
26. YOUNG, R. R., Electricity—Generation and Motive Power	Oct. 31	Oct. 23	2093
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	Nov. 21	Nov. 13	2283
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons	Aug. 31	July 9	1568
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools	Sept. 28	Nov. 1	2438
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	Nov. 15	Nov. 8	2402
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	Aug. 21	Aug. 12	761
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Nov. 23	Nov. 20	2334
33. KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	Oct. 10	Oct. 10	3367
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators	Nov. 13	Nov. 26	1310
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Oct. 29	Nov. 16	2185
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	Aug. 10	Aug. 17	1843
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Nov. 14	†Jan. 3	1489
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part); Rubber (part); Ornamentation	Nov. 16	Dec. 20	1411
39. WHITNEY, F. L., Fluid-Pressure Regulators; Valves; Water Distribution	Aug. 13	Aug. 7	2546
40. DRUMMOND, E. J., Receptacles (part); Packages	Nov. 8	Dec. 10	2836
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Nov. 8	Nov. 1	873
42. MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters	†Mar. 7	†Apr. 4	999
43. STONE, I. G., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	Dec. 13	Nov. 5	1093
44. HARVEY, L. P., Refrigeration; Preserving	June 30	Aug. 6	1338
45. LISANN, I., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Spring, Weight and Horsepower Motors.	Oct. 1	Sept. 20	2454
46. MUSHAKE, W. L., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Dec. 13	Dec. 18	1649
47. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	Dec. 15	Dec. 18	2822
48. BERNSTEIN, S., Electricity, General Applications; Electric Igniters	Aug. 18	Aug. 25	2020
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Nov. 14	Oct. 19	1546
50. LEVIN, SAMUEL, Synthetic Resins	†Jan. 19	†Jan. 19	2453
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae).	Oct. 3	Oct. 6	2226
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	Nov. 30	Nov. 5	3209
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	June 27	June 11	3961
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	Oct. 15	Oct. 16	2126
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	Sept. 14	Oct. 26	1868
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	Dec. 11	Dec. 8	1459
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	July 26	Sept. 24	3021
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	†Feb. 4	†Feb. 19	1405
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part)	Sept. 10	Sept. 13	2119
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	Sept. 25	Dec. 6	1926
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Marine Propulsion, Boats, Buoys and Ships.	Oct. 3	Oct. 17	2621
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	July 20	July 26	3977
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	Nov. 20	Sept. 28	2006
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	July 27	July 27	1075
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	Sept. 7	Sept. 20	2294
TRADE-MARKS: RICHMOND, F. A.	†Mar. 23	†Sept. 20	12596
DESIGNS: KALUPY, H. H.	†Jan. 17	†Oct. 11	8049

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Abbott Laboratories, North Chicago, Ill. Antacid preparation. Serial Nos. 505,027–8; Mar. 11. Class 6.

Air-O-Tabs Co.: *See*—
  Kaplan, Sam.

Air Reduction Sales Company, New York, N. Y. Electric arc welding machines, parts, and accessories therefor. Serial No. 502,362; Mar. 11. Class 21.

Al-K-Co Manufacturers: *See*—
  Kurtzon, Albert.

Alvin Corporation, The, Providence, R. I. Sterling silver flatware, hollowware and cutlery. Serial No. 504,957; Mar. 11. Class 28.

American Bitumuls Company, Wilmington, Del., and San Francisco, Calif. Periodical publications. Serial No. 493,035; Mar. 11. Class 38.

Applebaum, Milton, doing business as Safecover Company, New York, N. Y. Gas range burner valve controls. Serial No. 499,189; Mar. 11. Class 34.

Arden, Elizabeth, Sales Corporation, New York, N. Y. Compacts and lipstick cases. Serial No. 513,961; Mar. 11. Class 2.

Arkwright, Incorporated, New York, N. Y. Abdominal supporters, hot water bottles, catamenial bandages, etc. Serial No. 495,856; Mar. 11. Class 44.

Art & Sign Brush Manufacturing Corporation, Long Island City, N. Y. Paint brushes. Serial No. 503,339; Mar. 11. Class 29.

Asquith Associates: *See*—
  Asquith, Bennett.

Asquith, Bennett, doing business as Asquith Associates, Boston, Mass. Costumers and hat racks. Serial No. 510,561; Mar. 11. Class 32.

Associated Products, Inc., Chicago, Ill. Face lotions, skin bleaches, vanishing, cleansing and cold creams, etc. Serial No. 501,431; Mar. 11. Class 6.

Associated Products, Inc., Chicago, Ill. Face lotions, skin bleanches, vanishing, cleansing and cold creams, etc. Serial No. 503,044; Mar. 11. Class 6.

Associated Products, Inc., Chicago, Ill. Unfilled lipstick holders. Serial No. 514,680; Mar. 11. Class 2.

Astoria Novelty Co., New York, N. Y. Children's pajamas. Serial No. 507,564; Mar. 11. Class 39.

Avon Products, Inc., New York, N. Y. Perfume. Serial No. 503,966; Mar. 11. Class 6.

Avon Products, Inc., New York, N. Y. Talcum powder, baby oil, and skin cream. Serial Nos. 505,033–4; Mar. 11. Class 6.

Avon Products, Inc., New York, N. Y. Talcum powder, baby oil, and skin cream. Serial No. 505,036; Mar. 11. Class 6.

Barnes-Hind Laboratories, San Francisco, Calif. Antiseptic wetting and cleansing solution. Serial No. 504,527; Mar. 11. Class 6.

Bates, C. J., & Son, Chester, Conn. Crochet hooks and knitting needles. Serial No. 506,917; Mar. 11. Class 40.

Bendel, Henri, Inc., New York, N. Y. Rouge and lipstick. Serial No. 502,256; Mar. 11. Class 6.

Bendix Aviation Corporation, Teterboro, N. J. Valve mechanisms. Serial No. 477,053; Mar. 11. Class 13.

Bergen Machine & Tool Company, Inc., Nutley, N. J. Magazine racks, card tables, and occasional tables. Serial No. 496,128; Mar. 11. Class 32.

Bienvenu, René J., doing business as The Pronto Company, Alexandria, La. Deodorant cream. Serial No. 505,388; Mar. 11. Class 6.

Binney & Smith Company, New York, N. Y. Dry powder to be used as a paint when mixed with water. Serial No. 502,555; Mar. 11. Class 16.

Birt, Dannie D., doing business as Dandee Manufacturing Company, Guymon, Okla. Agricultural loading machines. Serial No. 494,255; Mar. 11. Class 23.

Botany Worsted Mills, Passaic, N. J. Lipsticks. Serial No. 506,502; Mar. 11. Class 6.

Brady, Michael Swanson, Produce Co., Kansas City, Mo. Potatoes. Serial No. 507,771; Mar. 11. Class 46.

Brown-Vaughan Pharmacal Co., San Francisco, Calif. Medicated soap compound. Serial No. 493,914; Mar. 11. Class 4.

Bruning Brothers, Baltimore, Md. Varnish. Serial No. 501,712; Mar. 11. Class 16.

Cahners, Norman L., doing business as Materials Handling Laboratories, Boston, Mass. Portable material handling platforms. Serial No. 503,157; Mar. 11. Class 50.

California Spray-Chemical Corporation, Wilmington, Del. Parasiticides. Serial No. 500,278; Mar. 11. Class 6.

California Spray-Chemical Corporation, Wilmington, Del. Parasiticides. Serial Nos. 500,280–2; Mar. 11. Class 6.

California Spray-Chemical Corporation, Wilmington, Del., and Richmond, Calif. Parasiticides. Serial Nos. 504,743–6; Mar. 11. Class 6.

California Spray-Chemical Corporation, Wilmington, Del., and Richmond, Calif. Herbicides. Serial No. 505,097; Mar. 11. Class 6.

Campbell, Edith M., Paris, Ky. Pile lotion. Serial No. 506,292; Mar. 11. Class 6.

Celanese Corporation of America, New York, N. Y. Yarns. Serial No. 507,457; Mar. 11. Class 43.

Celluplastic Corporation, Newark, N. J. Plastic materials, and synthetic resins. Serial No. 502,061; Mar. 11. Class 1.

Century Textile Products, New York, N. Y. Infants' bibs and panties; and ladies' aprons and rain hoods, etc. Serial No. 505,950; Mar. 11. Class 39.

Certain-teed Products Corporation, Chicago, Ill. Roll roofing, siding, and sheathing, etc. Serial Nos. 470,407–8; Mar. 11. Class 12.

Certain-teed Products Corporation, Chicago, Ill. Cements. Serial No. 470,409; Mar. 11. Class 12.

Chadkin, Bernard, doing business as Photographic Arts Supply Company, New York, N. Y. Photographic objectives. Serial No. 506,368; Mar. 11. Class 26.

Charles Pharmacal Co.: *See*—
  Greenberg, Charles.

Chicago Flexible Shaft Company, Chicago, Ill., now by change of name to Sunbeam Corporation. Receptacles for household use. Serial No. 488,190; Mar. 11. Class 33.

Clarvan Corporation, Milwaukee, Wis. Metallic sheet used between an ironing board pad and an ironing board cover. Serial No. 503,190; Mar. 11. Class 24.

Cle Products Company: *See*—
  McJunkin, Herbert H.

Clorox Chemical Co., Oakland, Calif. Liquid preparation. Serial No. 501,825; Mar. 11. Class 4.

Cochran, Jacqueline, New York, N. Y. Lipstick. Serial No. 489,853; Mar. 11. Class 6.

Colgate-Palmolive-Peet Company, Jersey City, N. J. Cosmetics and toilet preparations. Serial No. 504,965; Mar. 11. Class 6.

Company of Master Craftsmen, Inc., Oneida, N. Y. Upholstered furniture. Serial Nos. 498,206–7; Mar. 11. Class 32.

Concordia-Gallia Corp., New York, N. Y. Textile fabrics in the piece. Serial No. 503,870; Mar. 11. Class 42.

Dandee Manufacturing Company: *See*—
  Birt, Dannie D.

Darsyn Laboratories, Inc., Paterson, N. J. Pharmaceutical chemical entitled 8-hydroxy-quinoline. Serial No. 504,531; Mar. 11. Class 6.

Daumit, Kay, Chicago, Ill. Leg make-up. Serial No. 503,977; Mar. 11. Class 6.

Daumit, Kay, Inc., Chicago, Ill. Cologne. Serial No. 501,120; Mar. 11. Class 6.

Daumit, Kay, Inc., Chicago, Ill. Leg make-up. Serial No. 504,337; Mar. 11. Class 6.

Daumit, Kay, Inc., Chicago, Ill. Cologne and talcum powder. Serial No. 504,339; Mar. 11. Class 6.

Davis, H. B., Company, The, Baltimore, Md. Paints, paint enamels, japans, etc. Serial No. 483,679; Mar. 11. Class 16.

Dejur-Amsco Corporation, Long Island City, N. Y. Photographic exposure meters. Serial No. 505,738; Mar. 11. Class 26.

Edouard, Charles, Parfumeur (Société à Responsabilité Limitée), Paris, France. Perfumes, toilet waters, rouge, etc. Serial No. 504,663; Mar. 11. Class 6.

Edouard, Charles, Parfumeur (Société à Responsabilité Limitée), Paris, France. Perfumes, toilet waters, rouge, etc. Serial No. 504,664; Mar. 11. Class 6.

Elco Lubricant Corporation, The, Cleveland, Ohio. Lubricant concentrate. Serial No. 480,409; Mar. 11. Class 15.

Elco Lubricant Corporation, The, Cleveland, Ohio. Lubricant concentrate. Serial Nos. 482,096–7; Mar. 11. Class 15.

Excelsior Varsity Underwear Corporation, New York, N. Y. Men's outer shirts, undershirts, underwear, etc. Serial No. 507,721; Mar. 11. Class 39.

Falcon Products, Inc., Portland, Maine. Paper in sheets and rolls. Serial No. 501,249; Mar. 11. Class 37.

Fashion Children Dress Co., New York, N. Y. Children's, girls', and misses' dresses, slacks, outer shorts, etc. Serial No. 505,690; Mar. 11. Class 39.

Forcherio Hnos. S. R. Ltda., Buenos Aires, Argentina. Peppermint candies, peppermint lozenges, natural mint flavored lozenges, etc. Serial No. 488,580; Mar. 11. Class 46.

Fort Dodge Laboratories, Inc., Fort Dodge, Iowa. Vitamin supplement. Serial No. 499,997; Mar. 11. Class 6.

Fort Dodge Laboratories, Inc., Fort Dodge, Iowa. Solution of calcium and dextrose. Serial No. 500,001; Mar. 11. Class 6.

Fortress Watch & Jewelry Co. Inc., New York, N. Y. Bracelets, ornamental pins, ear-rings, etc. Serial No. 498,614; Mar. 11. Class 28.

Galen Laboratories, Pittsburgh, Pa. Foot powder. Serial No. 475,203; Mar. 11. Class 6.

Gardel Industries, New York, N. Y. Dolls. Serial No. 494,835; Mar. 11. Class 22.

Geigy Company, Inc., New York, N. Y. Dyestuffs. Serial No. 501,658; Mar. 11. Class 6.

Geigy Company, Inc., New York, N. Y. Chemical agent. Serial No. 501,662; Mar. 11. Class 6.

Geigy Company, Inc., New York, N. Y. Preparation for the treatment of infections of pneumococcic, staphylococcic, streptococcus viridens, etc. Serial No. 504,970; Mar. 11. Class 6.

General Cable Corporation, New York, N. Y. Bare and insulated electric wires and cables. Serial No. 507,469; Mar. 11. Class 21.

General Products Co., Brooklyn, N. Y. Laundry cleaning fluid. Serial No. 500,300; Mar. 11. Class 6.

Gilbert Shoe Co., The, Theinsville, Wis. Shoes. Serial No. 502,285; Mar. 11. Class 39.

Gillam, Earnest O., doing business under the name of Gillam Soap Works, Fort Worth, Tex. Soap. Serial No. 498,834; Mar. 11. Class 4.

Gillam Soap Works: *See*—
Gillam, Earnest O.

Gilliam Candy Company, Paducah, Ky. Candy. Serial Nos. 504,549–50; Mar. 11. Class 46.

Gold Cross Mattress Corp., Boston, Mass. Mattresses, beds, studio couches, etc. Serial No. 508,688; Mar. 11. Class 32.

Golden Bear Oil Co., Los Angeles, Calif. Chemical preparation. Serial No. 505,102; Mar. 11. Class 6.

Gorham Manufacturing Company, Providence, R. I. Sterling silver flatware, hollowware, and cutlery. Serial No. 504,973; Mar. 11. Class 28.

Greenberg, Charles, doing business as Charles Pharmacal Co., Brooklyn, N. Y. Medical preparation. Serial No. 496,426; Mar. 11. Class 6.

Grey, John A., & Partners Limited, London, England. Apparatus, electrically operated, for drying and heating towels and clothes. Serial No. 503,442; Mar. 11. Class 24.

Gruen Watch Company, The, Cincinnati and Time Hill, Cincinnati, Ohio. Watch straps. Serial No. 507,253; Mar. 11. Class 40.

Hallet & Hallet: *See*—
Hallet, Harry.

Hallet, Harry, doing business as Hallet & Hallet, Somerville, Mass. Metal furniture. Serial No. 494,446; Mar. 11. Class 32.

Harmony Bag Co., Inc., New York, N. Y. Ladies' handbags. Serial No. 505,955; Mar. 11. Class 3.

Hartman Broom Company, Clay Center, Kans. Brooms. Serial No. 504,978; Mar. 11. Class 29.

Hershey Mfg. Co., Chicago, Ill. Electrically operated hair brushes. Serial No. 506,871; Mar. 11. Class 21.

Hicks, W. Wesley, San Francisco, Calif. Electric space heater. Serial No. 507,187; Mar. 11. Class 21.

Holland & McChesney, Freehold, N. J. Potatoes in their natural state. Serial No. 499,709; Mar. 11. Class 46.

Hoof Products Company, Chicago, Ill. Miniature internal combustion engines. Serial No. 503,572; Mar. 11. Class 23.

Hope Products, Inc., St. Louis, Mo. Electric steam irons. Serial No. 507,128; Mar. 11. Class 21.

Hubinger Company, The, Keokuk, Iowa. Liquid starch for laundering. Serial No. 504,809; Mar. 11. Class 6.

Imperial Chemical Company, Shenandoah, Iowa. Fungicides, insecticide and germicide. Serial No. 502,516; Mar. 11. Class 6.

Indian River Producers, Inc., Fort Pierce, Fla. Fresh citrus fruits. Serial No. 504,554; Mar. 11. Class 46.

Insul-Wool Insulation Corporation, Wichita, Kans. Thermal insulating material. Serial No. 506,033; Mar. 11. Class 12.

International Appliance Corp., New York, N. Y. Insecticides. Serial No. 503,448; Mar. 11. Class 6.

International Merit Products Corporation, New York, N. Y. Phonograph needles. Serial No. 501,667; Mar. 11. Class 36.

Irwin Auger Bit Company, The, Wilmington, Ohio. Screw drivers. Serial No. 497,312; Mar. 11. Class 23.

Jacobs, Howard M., doing business as Jacobs Remedy Co., Louisville, Ky. Intestinal astringent. Serial No. 501,668; Mar. 11. Class 6.

Jacobs Remedy Co.: *See*—
Jacobs, Howard M.

Kaplan, Sam, doing business as Air-O-Tabs Co., Chicago, Ill. Articles of bedding. Serial No. 487,328; Mar. 11. Class 32.

Karabadian, Kay, Los Angeles, San Francisco, and Thermal, Calif. Fresh grapes. Serial No. 504,906; Mar. 11. Class 46.

Karp, David, Company, New York, N. Y. Finger rings. Serial No. 504,367; Mar. 11. Class 28.

Kelco Company, San Diego, Calif. Algin product. Serial No. 505,208; Mar. 11. Class 6.

Kellogg, P. P., & Co.: *See*—
United States Envelope Company.

Kentucky Looms, Inc., The, Louisville, Ky. Men's and women's neckwear, and headpieces. Serial No. 507,639; Mar. 11. Class 39.

Kurtzon, Albert, doing business as Al-K-Co Manufacturers, Chicago, Ill. Industrial, store and household lighting fixtures. Serial No. 506,673; Mar. 11. Class 21.

La Paloma, Limitada, Lisbon, Portugal. Canned fish. Serial Nos. 490,671–2; Mar. 11. Class 46.

Laurel Potteries, Stockton, Calif. Colored pottery dinnerware. Serial No. 503,580; Mar. 11. Class 30.

Lectrovision Inc., New Rochelle, N. Y. Cathode ray tubes. Serial No. 507,407; Mar. 11. Class 21.

Lee, H. D., Company, Incorporated, The, Kansas City, Mo. Waistband overalls. Serial No. 491,205; Mar. 11. Class 39.

Lee, H. D., Company, Incorporated, The, Kansas City, Mo. Bib overalls, waistband overalls, jackets, etc. Serial No. 491,206; Mar. 11. Class 39.

Le Tourneau, R. G., Inc., Stockton, Calif. Portable, house form assembly. Serial No. 502,307; Mar. 11. Class 23.

Libby, McNeill & Libby, Chicago, Ill. Packaged frozen potatoes. Serial No. 504,622; Mar. 11. Class 46.

Lilly, Eli, and Company, Indianapolis, Ind. Medicinal preparation. Serial Nos. 499,247–8; Mar. 11. Class 6.

Lilly, Eli, and Company, Indianapolis, Ind. Medicinal preparation. Serial No. 499,251; Mar. 11. Class 6.

Lilly, Eli, and Company, Indianapolis, Ind. Medicinal preparation. Serial No. 500,675; Mar. 11. Class 6.

Little Rock Restaurant Supply Company, Little Rock, Ark. Unit combination dining table and chairs. Serial No. 502,989; Mar. 11. Class 32.

Live Longer Medicine Company: *See*—
McCandless, Henry L.

Longo, Cosmo, doing business as The Lonquin Company, Toronto, Ontario, Canada. Hair tonic. Serial No. 502,443; Mar. 11. Class 6.

Lonquin Company, The: *See*—
Longo, Cosmo.

Makransky, Edward, Company, Inc., Philadelphia, Pa. Men's topcoats, overcoats, sack coats, etc. Serial No. 506,246; Mar. 11. Class 39.

Marine Optical Mfg. Co., Boston and Roslindale, Boston, Mass. Optical frames and sunglasses. Serial No. 505,905; Mar. 11. Class 26.

Materials Handling Laboratories: *See*—
Cahners, Norman L.

McCandless, Henry L., doing business as Live Longer Medicine Company, Longview, Tex. Liniment. Serial No. 491,869; Mar. 11. Class 6.

McCormick & Co., Incorporated, Baltimore, Md. Insecticidal shampoo, flea and tick killer, wall and screen spray. Serial No. 501,996; Mar. 11. Class 6.

McJunkin, Herbert H., doing business as Cie Products Company, Dallas, Tex. Dry compound for general washing and cleaning. Serial No. 497,618; Mar. 11. Class 4.

Mennen Company, The, Newark, N. J. Hair dressing. Serial Nos. 502,387–8; Mar. 11. Class 6.

Miles, Henry S., Brooklyn, N. Y. Perfumes, perfume extracts, toilet water, etc. Serial No. 489,815; Mar. 11. Class 6.

Monsanto Chemical Company, St. Louis, Mo. Chemical products. Serial No. 506,252; Mar. 11. Class 6.

Mustee, E. L., & Sons, Cleveland, Ohio. Gas water heaters. Serial No. 490,503; Mar. 11. Class 34.

Mutation Mink Breeders Association, Elkhorn, Wis. Mink pelts. Serial No. 483,435; Mar. 11. Class 1.

Nameroff, William, Philadelphia, Pa. Dental alloy. Serial No. 505,977; Mar. 11. Class 44.

National Industrial Service Association, Inc., St. Louis, Mo. Rebuilt electric motors. Serial No. 504,503; Mar. 11. Class 21.

National Metal Products: *See*—
Short, Sidney D.

New Haven Clock Company, The, assignor to New Haven Clock and Watch Company, New Haven, Conn. Clocks, watches, and parts thereof. Serial No. 501,265; Mar. 11. Class 27.

New Haven Clock Company, The, assignor to New Haven Clock and Watch Company, New Haven, Conn. Clocks, watches, and parts thereof. Serial No. 501,267; Mar. 11. Class 27.

New Haven Clock Company, The, assignor to New Haven Clock and Watch Company, New Haven, Conn. Clocks, watches, and parts thereof. Serial No. 502,316; Mar. 11. Class 27.

New Haven Clock Company, The, assignor to New Haven Clock and Watch Company, New Haven, Conn. Clocks, watches, and parts thereof. Serial No. 502,396; Mar. 11. Class 27.

New Haven Clock and Watch Company, assignee: *See*—
New Haven Clock Company, The.

No Mend Hosiery, Inc., Philadelphia, Pa. Hosiery. Serial No. 503,212; Mar. 11. Class 39.

Norwalk Upholstering Company, The, Norwalk, Ohio. Upholstered furniture. Serial No. 504,204; Mar. 11. Class 32.

Novocol Chemical Mfg. Co., Inc., Brooklyn, N. Y. Anesthetics, chemotherapeutic agents, hypnotics, etc. Serial No. 509,868; Mar. 11. Class 6.

Ohio Chemical & Mfg. Co., The, Cleveland, Ohio. Normal propyl methyl ether. Serial No. 504,783; Mar. 11. Class 6.

Old Smoky Sales Co., Los Angeles, Calif. Salad dressings. Serial No. 504,062; Mar. 11. Class 46.

Onyx Oil & Chemical Company, Jersey City, N. J. Disinfectant and also a substance having the property of promoting the dispersion of water in certain substances. Serial No. 501,195; Mar. 11. Class 6.

Ormont Drug & Chemical Co. Inc., New York and Long Island City, N. Y. Preparation for use in treatment of skin irritations. Serial No. 499,962; Mar. 11. Class 6.

Pamar Manufacturing Co., Los Angeles and Arroyo Grande, Calif. Cleaning compounds. Serial No. 497,191; Mar. 11. Class 4.

Patons & Baldwins, Inc., Newark, N. J. Knitting yarn. Serial Nos. 507,926–8; Mar. 11. Class 43.

Perma Fit Shoulder Pad Co., New York, N. Y. Shoulder pads. Serial No. 505,000; Mar. 11. Class 40.

Pharmaceutical Organics, Inc., New York, N. Y. Medicinal preparation. Serial Nos. 505,002–3; Mar. 11. Class 6.

Pharmaceutical Organics, Inc., New York, N. Y. Preparation of alkyl-dimethyl-benzyl-ammonium chloride. Serial No. 505,229; Mar. 11. Class 6.

Photographic Arts Supply Company: *See*—
Chadkin, Bernard.

Pioneer Suspender Company, Philadelphia, Pa. Gloves. Serial No. 504,208; Mar. 11. Class 39.

Pittsburgh Plate Glass Company, Pittsburgh, Pa. Liquid and paste paints, paint primers, paint enamels, etc. Serial No. 501,197; Mar. 11. Class 16.

Pittsburgh Plate Glass Company, Pittsburgh, Pa. Liquid and paste paints, paint primers, paint enamels, etc. Serial No. 501,774; Mar. 11. Class 16.

Plymhurst Manufacturing Company, Boston, Mass. Ear muffs. Serial No. 507,752; Mar. 11. Class 39.

Primrose House, Inc., New York, N. Y. Lipstick, nail polish, rouge, etc. Serial No. 503,937; Mar. 11. Class 6.

Prince, Harry, doing business as Royal Chemical Products Co., Troy, N. Y. Rug shampoo and upholstery cleaner. Serial No. 502,327; Mar. 11. Class 4.

Pronto Company, The: *See*—
Bienvenu, René J.

Quality Products, Inc., La Feria, Tex. Dried citrus pulp for use in stock feeds, and dried mixed stock feeds. Serial No. 503,001; Mar. 11. Class 46.

Red Feather Products Ltd., Redwood City, Calif. Stencils, styli, correction fluid, etc. Serial No. 485,545; Mar. 11. Class 37.

Red Star Yeast and Products Company, Milwaukee, Wis. Compressed (wet) yeast, dry yeast, yeast food, etc. Serial No. 500,573; Mar. 11. Class 46.

Roos, Ed, Company of Forest Park, Forest Park, Ill. Cedar chests. Serial No. 509,927; Mar. 11. Class 32.

Royal Chemical Products Co.: *See*—
Prince, Harry.

Royalmaid Corporation, Brooklyn, N. Y. Kitchen cabinets. Serial No. 507,343; Mar. 11. Class 32.

Rubenstein, Joseph, Chicago, Ill. Perfumes. Serial No. 497,570; Mar. 11. Class 6.

Rubinstein, Helena, Inc., New York, N. Y. Preparation for protecting, cleansing, bleaching, etc. Serial No. 500,419; Mar. 11. Class 6.

Safecover Company: *See*—
Applebaum, Milton.

Salmon Management Co., Inc., New York, N. Y. Smoking tobacco, cigars, and cigarettes. Serial No. 504,584; Mar. 11. Class 17.

Sealy, Incorporated, Chicago, Ill. Mattresses and box springs. Serial Nos. 509,606–8; Mar. 11. Class 32.

Servaire Corporation, Norwood, Mass. Airplane structural parts, componenets and accessories. Serial No. 499,662; Mar. 11. Class 19.

Seven Seas Trading Corp., Los Angeles, Calif. Multiple vitamin product. Serial No. 504,072; Mar. 11. Class 6.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Antigenic preparation. Serial No. 505,016; Mar. 11. Class 6.

Shepherd Worsted Mills, The, Newton, Mass. Yarns. Serial No. 506,555; Mar. 11. Class 43.

Short, Sidney D., doing business as National Metal Products, Detroit, Mich. Artificial bait, fish lures, and parts thereof. Serial No. 514,716; Mar. 11. Class 22.

Slumber Products Corporation, Memphis, Tenn. Mattresses for beds, box springs, for beds, coil and fabric springs, etc. Serial No. 508,748; Mar. 11. Class 32.

Smilin' Thru Maternities, Inc., New York, N. Y. Maternity dresses. Serial No. 493,078; Mar. 11. Class 39.

Societe d'Etudes et d'Expansion de la Parfumerie de Luxe, Paris and Asnieres, near Paris, France. Perfumes. Serial No. 506,780; Mar. 11. Class 6.

Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Liquid petroleum gases. Serial No. 504,707; Mar. 11. Class 6.

Sportline, Inc., New York, N. Y. Dusting powder, talc, bubble bath, and toilet water. Serial No. 514,143; Mar. 11. Class 6.

Stahl, Lipman, doing business as Stahl's Service, Philadelphia, Pa. Insecticide. Serial No. 495,521; Mar. 11. Class 6.

Stahl's Service: *See*—
Stahl, Lipman.

Stanley Works, The, New Britain, Conn. Unitary portable hand operated electric saws, drills, shears, etc. Serial No. 486,228; Mar. 11. Class 21.

Stapo Chemical Co., Los Angeles, Calif. Hand cleaner. Serial No. 502,541; Mar. 11. Class 4.

Stern, Louis A., Los Angeles, Calif. Colognes. Serial No. 499,292; Mar. 11. Class 6.

Sunbeam Corporation: *See*—
Chicago Flexible Shaft Company.

Swift, B. & P., Limited, London, England. Electro-mechanical apparatus. Serial No. 494,982; Mar. 11. Class 21.

Talbot, Martha M., doing business as Talbot Products, Detroit, Mich. Hair curlers. Serial No. 502,239; Mar. 11. Class 40.

Talbot Products: *See*—
Talbot, Martha M.

Thomas, M & W Co., New York, N. Y. Piece goods made of silk, cotton, wool, etc. Serial No. 493,409; Mar. 11. Class 42.

Tiglon Company, The, New York, N. Y. Stencil paper, stapling machines and staples, etc. Serial No. 509,890; Mar. 11. Class 37.

Ung, Thomas, doing business as United China Trading Co., Los Angeles, Calif. Cold cream, face powder, hair oil, etc. Serial No. 501,791; Mar. 11. Class 6.

Ung, Thomas, doing business as United China Trading Co., Los Angeles, Calif. Cold cream, face powder, hand lotion, etc. Serial No. 501,798; Mar. 11. Class 6.

Union Fork & Hoe Company, The, Columbus, Ohio. Field, garden, and lawn tools. Serial No. 503,617; Mar. 11. Class 23.

United China Trading Co.: *See*—
Ung, Thomas.

United States Envelope Company, doing business as P. P. Kellogg & Co., Springfield, Mass. Correspondence paper and envelopes. Serial No. 493,297; Mar. 11. Class 37.

United States Rubber Company, New York, N. Y. Aromatic chemical perfume base. Serial No. 505,088; Mar. 11. Class 6.

Van Gieson, David W., New York, N. Y. Electrical illuminated signs. Serial No. 503,269; Mar. 11. Class 21.

Vet Publishers, Inc., New York, N. Y. Magazine. Serial No. 499,177; Mar. 11. Class 38.

W. B. Associates, New York, N. Y. Cuticle lubricants. Serial No. 487,108; Mar. 11. Class 6.

Waldron & Company, Inc., Philadelphia, Pa. Finger rings, precious stones, etc. Serial No. 501,034; Mar. 11. Class 28.

Watchemoket Optical Co. Inc., Providence, R. I. Sun goggles and industrial goggles. Serial No. 502,241; Mar. 11. Class 26.

Wawak Company Inc., Chicago, Ill. Piece goods. Serial No. 457,232; Mar. 11. Class 42.

Wawak Co., Inc., Chicago, Ill. Woolen piece goods. Serial No. 503,778; Mar. 11. Class 42.

Wear-Ever Baby Carriage Co., Brooklyn, N. Y. Children's high chairs. Serial No. 494,174; Mar. 11. Class 32.

Weiner, Martin, New York, N. Y. Piece goods, to wit, rayon piece goods. Serial No. 504,236; Mar. 11. Class 42.

Wellington Sears Company, Incorporated, New York, N. Y. Cotton and rayon twill piece goods. Serial No. 481,967; Mar. 11. Class 42.

William Lamp Corporation, Chicago, Ill. Electric lamps and electric lamp shades. Serial No. 507,176; Mar. 11. Class 21.

Winston Products Co.: *See*—
Winston, Seymour.

Winston, Seymour, doing business as Winston Products Co., New York, N. Y. Antiseptic creams and powders. Serial No. 492,609; Mar. 11. Class 6.

Winthrop Chemical Company, Inc., New York, N. Y. Sulfonamide drug. Serial No. 504,592; Mar. 11. Class 6.

Woolectra Blanket Mfg. Company, The, Piqua, Ohio. Electrically heated woolen blankets. Serial No. 507,449; Mar. 11. Class 21.

LIST OF REGISTRANTS OF TRADE-MARKS

Allied Plastics Company, assignor to Allied Plastics Company, Los Angeles, Calif. Compacts. 428,067; Mar. 11; Serial No. 484,381; published Dec. 24, 1946. Class 2.

Alloyl Company, The: *See*—
Warren, Lyman B., Jr.

American Chain & Cable Company, Inc., New York, N. Y., and Bridgeport, Conn. Lawn mowers. 428,063; Mar. 11; Serial No. 482,963; published Dec. 10, 1946. Class 23.

American Measuring Instruments Corp., New York, N. Y. Precision machine tools. 428,118; Mar. 11; Serial No. 496,532; published Dec. 10, 1946. Class 23.

American Measuring Instruments Corp., New York, N. Y. Cameras, optical instruments, projectors, etc. 428,119; Mar. 11; Serial No. 496,533; published Dec. 17, 1946. Class 26.

Annetta Dresses Inc.: *See*—
Annetta Waist & Dress Co., Inc.

Annetta Waist & Dress Co., Inc., to Annetta Dresses Inc., New York, N. Y. Frocks. 223,326; renewed Feb. 1, 1947. O. G. Mar. 11. Class 39.

Ansco Photoproducts, Inc., Binghamton, to General Aniline & Film Corporation, New York, N. Y. Sensitized photographic paper. 221,162; renewed Nov. 23, 1946. O. G. Mar. 11. Class 26.

Aquatogs, Inc., New York, N. Y. Raincoats, rain hats, and rain capes. 428,201; Mar. 11; Serial No. 502,934; published Dec. 17, 1946. Class 39.

Ard Products Co.: *See*—
Davis, Arthur N.

Armstrong Chemical Company: *See*—
Armstrong, William L.

Armstrong, William L., doing business as Armstrong Chemical Company, Fremont, Nebr. Fluids for embalming and for disinfecting the dead human body. 428,128; Mar. 11; Serial No. 497,361; published Dec. 17, 1946. Class 6.

Aro Equipment Corporation, The, Bryan, Ohio. Automotive and industrial lubricating equipment. 428,167; Mar. 11; Serial No. 500,932; published Dec. 17, 1946. Class 23.

Arrow Engineering & Chemical Co., Inc., Flint, Mich. All purpose insect spray, mouse poison, volatile insecticide, etc. 428,069; Mar. 11; Serial No. 485,809; published Dec. 3, 1948. Class 6.

Artcraft Hosiery Company, Philadelphia, Pa. Women's hosiery. 428,199; Mar. 11; Serial No. 502,733; published Nov. 19, 1946. Class 39.

Asha Lingerie Company, New York, N. Y. Women's night gowns, slips, panties, etc. 428,098; Mar. 11; Serial No. 493,096; published Dec. 3, 1946. Class 39.

Associated Merchandising Corporation, New York, N. Y. Clinical thermometers. 428,216; Mar. 11; Serial No. 508,461; published Dec. 24, 1946. Class 44.

Atlas-Ansonia Company, The, North Haven, Conn. Key blanks. 428,192; Mar. 11; Serial No. 502,181; published Dec. 17, 1946. Class 25.

Augstein, S., & Co., Inc., College Point, N. Y. Women's, misses', and children's dresses, playsuits, and bathing suits. 428,185; Mar. 11; Serial No. 501,894; published Dec. 24, 1946. Class 39.

Avon Products, Inc., New York, N. Y. Men's cosmetic products and toiletries. 428,154; Mar. 11; Serial No. 500,272; published Dec. 17, 1946. Class 6.

Bacharach Industrial Instrument Company, Pittsburgh, Pa. Small temperature recording instruments. 428,179; Mar. 11; Serial No. 501,627; published Dec. 17, 1946. Class 26.

Baker, Jack, Sportswear Co. Inc., New York, N. Y. Ladies' suits, jackets, and skirts. 428,190; Mar. 11; Serial No. 502,056; published Dec. 17, 1946. Class 39.

Baldwin Locomotive Works, The, Eddystone, Pa. Strength of materials, testing machines, stress and strain measuring and indicating instruments, strain gages, etc. 428,244; Mar. 11. Class 26.

Bancroft Sportswear Inc., Boston, Mass. Sport jackets, sport shirts. 428,198; Mar. 11; Serial No. 502,615; published Dec. 24, 1946. Class 39.

Barbara Dance Frocks: *See*—
Citron, Samuel.

Bentivegna, Carmelo, New York, N. Y. Ointment for treating piles. 428,101; Mar. 11; Serial No. 493,587; published Dec. 3, 1946. Class 6.

Bidwell, John A., Company, Inc., Beverly, N. J., to Massasoit Company, New York, N. Y. Woven cotton, heat-resisting washable table padding. 223,959; renewed Feb. 15, 1947. O. G. Mar. 11. Class 42.

Bixler Corporation, The, Cleveland, Ohio. Siphon jiggers. 428,176; Mar. 11; Serial No. 501,359; published Dec. 17, 1946. Class 23.

Blocker, Walter A., New York, N. Y. Lorgnettes, eyeglasses, and constituent parts thereof. 428,146; Mar. 11; Serial No. 499,693; published Dec. 24, 1946. Class 26.

Blue Kitchens, Inc., The, to Maxeng Restaurants Corporation, New York, N. Y. Sandwiches. 222,932; renewed Jan. 11, 1947. O. G. Mar. 11. Class 46.

Blue Kitchens, Inc., The, to Maxeng Restaurants Corporation, New York, N. Y. Sandwiches. 224,100; renewed Feb. 15, 1947. O. G. Mar. 11. Class 46.

Breed, Peggy, New York, N. Y. Antiseptics. 428,171; Mar. 11; Serial No. 501,160; published Dec. 10, 1946. Class 6.

Brown, David, & Sons (Huddersfield), Limited, Lockwood, Huddersfield, England. Gearing and gear boxes. 428,165; Mar. 11; Serial No. 500,854; published Dec. 3, 1946. Class 23.

Bullard, E. D., Co.: *See*—
Bullard, Edward W.

Bullard, E. D., Company: *See*—
Bullard, Edward W.

Bullard, Edward W., doing business as E. D. Bullard Co., to E. D. Bullard Company, San Francisco, Calif. Protective hats and caps. 217,000; renewed Aug. 24, 1946. O. G. Mar. 11. Class 39.

Cammart Knitwear, Inc., New York, N. Y. Sweaters. 428,202; Mar. 11; Serial No. 502,943; published Nov. 12, 1946. Class 39.

Carwood Manufacturing Company, Winder, Ga. Men's and boys' work pants, work shirts, overalls, etc. 428,166; Mar. 11; Serial No. 500,857; published Dec. 17, 1946. Class 39.

Casa Rosa de Oro: *See*—
Reed, Gertrude S.

Century Milling Co., The, Minneapolis, to The Century Milling Co., New Ulm, Minn. Wheat flour. 222,653; renewed Jan. 4, 1947. O. G. Mar. 11. Class 46.

Champion Manufacturing Co., Charlotte, N. C. Padding cement. 428,236; Mar. 11. Class 5.

Chemical Corporation, The, Springfield, Mass. Chemical preparations. 428,224; Mar. 11. Class 6.

Chisholm, Mary, Manchester, Ky. Ointment for treatment of eczema and other skin ailments. 428,085; Mar. 11; Serial No. 490,792; published Dec. 17, 1946. Class 6.

Citron, Samuel, doing business as Barbara Dance Frocks, New York, N. Y. Misses' and junior misses' dance frocks. 428,191; Mar. 11; Serial No. 502,120; published Dec. 17, 1946. Class 39.

City Machine Company, Piqua, Ohio. Emery wheel dressers. 428,077; Mar. 11; Serial No. 487,546; published Dec. 10, 1946. Class 23.

Clark, Robert H., doing business as Robert H. Clark Company, Beverly Hills, Calif. Tool grinders. 428,058; Mar. 11; Serial No. 479,111; published Dec. 10, 1946. Class 23.

Clark, Robert H., Company: *See*—
Clark, Robert H.

"Coffette" Products, Inc., Brooklyn, N. Y. Preparations for the treatment of textile fibers and fabrics. 428,112; Mar. 11; Serial No. 495,586; published Dec. 3, 1946. Class 6.

Cohen, Joseph H., & Sons, Inc., New York, N. Y. Men's clothing. 428,180; Mar. 11; Serial No. 501,636; published Dec. 3, 1946. Class 39.

Coill-Shuman Co., Boston, Mass. Misses' and juniors' sportswear. 428,200; Mar. 11; Serial No. 502,884; published Dec. 3, 1946. Class 39.

Colbert, John H.: *See*—
Woods, Charlie H., and Colbert.

Coleman, Marshall, New York, N. Y. Women's blouses and dresses. 428,095; Mar. 11; Serial No. 492,489; published Dec. 24, 1946. Class 39.

Commercial Solvents Corporation, New York, N. Y. Ingredients or supplements of foods. 428,075; Mar. 11; Serial No. 487,168; published Dec. 17, 1946. Class 6.

Compañia Vinicola del Norte de España, Bilbao, Spain. Claret in bottles. 52,478; re-renewed May 8, 1946. O. G. Mar. 11. Class 47.

Concordade Company, Inc., Providence, R. I. Coffee sirup and coffee extract. 428,088; Mar. 11; Serial No. 491,235; published July 2, 1946. Class 46.

Consolidated Cosmetics, Chicago, Ill. Spectacles, moving picture film, and cameras. 428,160; Mar. 11; Serial No. 500,604; published Dec. 24, 1946. Class 26.

Continental Can Company, Inc., New York, N. Y. Waste paper baskets. 428,100; Mar. 11; Serial No. 493,538; published Dec. 24, 1946. Class 2.

Converted Rice, Inc., assignee: *See*—
Rice Conversion Limited.

Crazy Daisy Winder Co., The: *See*—
Springer, Ralph C.

Cribari, B., & Sons, San Jose, Calif. Wines. 428,231; Mar. 11. Class 47.

Crystal Juniors, Inc., New York, N. Y. Dresses. 428,086; Mar. 11; Serial No. 490,875; published Dec. 17, 1946. Class 39.

Damschinsky, Carl, Inc., Woodside, Long Island, N. Y. Hair dyes. 428,169; Mar. 11; Serial No. 501,052; published Dec. 17, 1946. Class 6.

Dansk Chemo-Therapeutisk Selskab A/S, Copenhagen, Denmark. Medicine for phthisis. 428,093; Mar. 11; Serial No. 492,259; published Dec. 3, 1946. Class 6.

Darling, L. A., Company, Bronson, Mich. Fitting stools and movable merchandise display bins, etc. 428,050; Mar. 11; Serial No. 465,130; published Apr. 25, 1944. Class 32.

Dart Board Equipment Company, Philadelphia, Pa. Darts and dart games. 428,114; Mar. 11; Serial No. 495,794; published Dec. 24, 1946. Class 22.

Davis, Arthur N., doing business as Ard Products Co., Chicago, Ill. Germicidal preparation. 428,138; Mar. 11; Serial No. 498,403; published Dec. 3, 1946. Class 6.

Dawking, Eunice, Columbus, Ohio. Ointment compound. 428,229; Mar. 11. Class 6.

Deprez, Jean, Paris, France. Perfumes and rouges. 428,104; Mar. 11; Serial No. 494,039; published Dec. 17, 1946. Class 6.

Diack, James A., doing business as Gaylee Hosiery Co., New York, N. Y. Hosiery. 428,206; Mar. 11; Serial No. 503,503; published Dec. 17, 1946. Class 39.

Di-Noc Company, The, Cleveland, Ohio. Translucent drafting material. 428,177; Mar. 11; Serial No. 501,503; published Dec. 17, 1946. Class 26.

Dixie Medicine Corporation, Charlotte, N. C. Compound for the relief of muscular aches and pains, etc. 428,061; Mar. 11; Serial No. 481,616; published Dec. 17, 1946. Class 6.

Doniger, David D., & Co., Inc., New York, N. Y. Men's, boys', and women's jackets and coats. 428,207; Mar. 11; Serial No. 504,097; published Dec. 24, 1946. Class 39.

Duart Manufacturing Co., Ltd., San Francisco, Calif. Hair coloring shampoo. 428,237; Mar. 11. Class 6.

Dynamic Razor Blade Company: *See*—
Segelman, Jacob P.

Eastern-Sterilex Manufacturing Co., Brooklyn, N. Y. Nursing bottle sterilizers. 428,217; Mar. 11; Serial No. 509,507; published Dec. 24, 1946. Class 44.

Edme Limited: *See*—
English Diastasic Malt Extract Company, Limited, The.

Effectine Company, The, Indian Orchard, Mass. Liquid liniment. 428,139; Mar. 11; Serial No. 498,406; published Dec. 17, 1946. Class 6.

Elbon Lab.: *See*—
McNulty, William J.

Elguanite Corporation, assignee: *See*—
Naugle, John J.

Enel Manufacturing Co., Inc., New York, N. Y. Expansion wrist bracelets. 428,129; Mar. 11; Serial No. 497,380; published Dec. 17, 1946. Class 28.

English Diastasic Malt Extract Company, Limited, The., Mistley, to Edme Limited, London, England. Malt extract. 28,711; re-renewed Aug. 4, 1946. O. G. Mar. 11. Classes 6 and 46.

Esmond Mills, The, to The Esmond Mills Incorporated, Esmond, R. I. Textile blankets. 222,675; renewed Jan. 4, 1947. O. G. Mar. 11. Class 42.

Esmond Mills Incorporated, The: *See*—
Esmond Mills, The.

Ethiopian Laboratory: *See*—
Saulsberry, Ransom W.

Evans Chemetics Inc., New York, N. Y. Cake make-up 428,113; Mar. 11; Serial No. 495,598; published Dec. 17, 1946. Class 6.

F & F Laboratories, Inc., Chicago, Ill. Hard candy drops. 428,124; Mar. 11; Serial No. 497,081; published Dec. 17, 1946. Class 46.

Fast Manufacturing Co.: *See*—
Fast, Ralph E.

Fast, Ralph E., doing business as Fast Manufacturing Co., Los Angeles, Calif. Folding spool racks. 428,096; Mar. 11; Serial No. 492,491; published Dec. 17, 1946. Class 32.

Fisher Leather Belting Co. Inc., The, Philadelphia, Pa. Rubber, leather, and canvas belting. 222,988; renewed, Jan. 11, 1947. O. G. Mar. 11. Class 35.

Flambeau Milling Co., Phillips, Wis. Poultry and livestock feeds. 428,115; Mar. 11; Serial No. 496,228; published Dec. 17, 1946. Class 46.

Fluoricite: *See*—
Rajcok, Susan D.

Flying Tigers (American Volunteer Group—Chinese Air Force) Incorporated, The, New York, N. Y. Pyrophoric cigarette and cigar lighters. 428,211; Mar. 11; Serial No. 506,023; published Dec. 17, 1946. Class 34.

Flynn and Emrich Company, Baltimore, Md. Electrically operated ice cubing (cutting) machines and sand mixing machines. 428,106; Mar. 11; Serial No. 494,665; published Dec. 3, 1946. Class 23.

Galen Laboratories, Pittsburgh, Pa. After-shave lotion, hair tonic, after-shave talc, etc. 428,087; Mar. 11; Serial No. 490,884; published Dec. 17, 1946. Class 6.

Garrison, Bertice P., doing business as Paula Garrison, Seattle, Wash. Dresses, nightgowns, pajamas, etc. 428,084; Mar. 11; Serial No. 490,063; published Nov. 26, 1946. Class 39.

Garrison, Paula: *See*—
Garrison, Bertice P.

Gary & Eddy Distilling Co.: *See*—
Old Heaven Hill Springs Distillery.

Gaylee Hosiery Co.: *See*—
Diack, James A.

General Aniline & Film Corporation: *See*—
Ansco Photoproducts, Inc.

Genovese: *See*—
Genovese, Joseph.

Genovese, Joseph, doing business as Genovese, Long Island City, N. Y. Oil miscible chemical compound. 428,141; Mar. 11; Serial No. 498,833; published Dec. 17, 1946. Class 6.

Ginet, Inc., Charlotte, N. C. Women's suits, coats, skirts, etc. 428,193; Mar. 11; Serial No. 502,287; published Dec. 17, 1946. Class 39.

Glasco Products Company, Chicago, Ill. Graduated formula pitchers. 428,145; Mar. 11; Serial No. 499,547; published Dec. 24, 1946. Class 26.

Glenmore Distilleries Company, Louisville and Owensboro, Ky. Whiskey. 428,122; Mar. 11; Serial No. 496,903; published Dec. 3, 1946. Class 49.

Go-Ro Water Heater Company, Inc., to Southern Heater Company, Inc., New Orleans, La. Gas water heaters. 222,827; renewed Jan. 11, 1947. O. G. Mar. 11. Class 34.

Grant, Foster, Co. Inc., Leominster, Mass. Sunglasses, ophthalmic frames, lenses, etc. 428,187; Mar. 11; Serial No. 501,974; published Dec. 24, 1946. Class 26.

Grant, Foster, Co. Inc., Leominster, Mass. Sunglasses. 428,188; Mar. 11; Serial No. 501,975; published Dec. 24, 1946. Class 26.

Grant, Foster, Co. Inc., Leominster, Mass. Sunglass lenses. 428,189; Mar. 11; Serial No. 501,978; published Dec. 24, 1946. Class 26.

Grossman Music Co., Cleveland, Ohio. Toy whistles. 423,223; Mar. 11; Serial No. 511,324; published Dec. 24, 1946. Class 22.

Grotke Manufacturing Co., Los Angeles, Calif. Toy gliders. 428,083; Mar. 11; Serial No. 488,898; published Feb. 12, 1946. Class 22.

Heath, Edwin W., III, doing business as Heath Products Co., Bristol, Pa. Insecticides. 428,121; Mar. 11; Serial No. 496,701; published Dec. 17, 1946. Class 6.

Heath Products Co.: *See*—
Heath, Edwin W., III.

Hervey Associates, New York, N. Y. Sachets, perfumes, toilet waters, etc. 428,149; Mar. 11; Serial No. 500,081; published Dec. 17, 1946. Class 6.

Hight Manufacturing Company, Oklahoma City, Okla. Ironing boards. 428,153; Mar. 11; Serial No. 500,219; published Dec. 17, 1946. Class 24.

Hijos de S. de Orive, Logrono, Spain. Tooth paste. 428,072; Mar. 11; Serial No. 486,949; published Dec. 3, 1946. Class 6.

Hoge, Francis H., Jr., doing business as The U. N. Products Company, New York, N. Y. Insecticides. 428,127; Mar. 11; Serial No. 497,310; published Dec. 17, 1946. Class 6.

Houston Oil Field Material Company, Inc., Houston, Tex. Oil well tools and parts thereof. 428,094; Mar. 11; Serial No. 492,266; published Oct. 1, 1946. Class 23.

Hubinger Company, The, Keokuk, Iowa. Laundry starch. 428,155; Mar. 11; Serial No. 500,392; published Dec. 3, 1946. Class 6.

Hygeia Pharmaceutical Co.: *See*—
Tanzer, Charles.

Infanta Knitting Mills, Philadelphia, Pa. Children's knitted sweaters and jackets. 428,110; Mar. 11; Serial No. 495,478; published July 23, 1946. Class 39.

Infilco Incorporated, Chicago, Ill. Machines for use in standard sewage disposal plants. 428,137; Mar. 11; Serial No. 498,350; published Dec. 3, 1946. Class 23.

Irresistible, Inc., New York, N. Y. Men's colognes. 428,238; Mar. 11. Class 6.

Irwin Auger Bit Company, The, Wilmington, Ohio. Bits, augers, and screw drivers. 428,109; Mar. 11; Serial No. 495,387; published Dec. 3, 1946. Class 23.

Jelenko, Rena M., doing business as The Jelrus Co., New York, N. Y. Hand operated press. 428,073; Mar. 11; Serial No. 486,953; published Dec. 3, 1946. Class 23.

Jelrus Co., The: *See*—
Jelenko, Rena M.

Joy, Marilyn, Inc., New York, N. Y. Girls', misses', and junior, and women's dresses. 428,142; Mar. 11; Serial No. 498,909; published Nov. 26, 1946. Class 39.

Judy Jim Shop, The, Orlando, Fla. Infants' and children's dresses, sundresses, coats, etc. 428,150; Mar. 11; Serial No. 500,083; published Nov. 26, 1946. Class 39.

Karpen, S., & Bros., Chicago, Ill. Mattresses, box springs, spring seats, etc. 428,081; Mar. 11; Serial No. 488,106; published Dec. 17, 1946. Class 32.

Kaynee Company, The, Cleveland, Ohio. Blouses, shirts, and sport shirts. 428,068; Mar. 11; Serial No. 484,409; published Nov. 26, 1946. Class 39.

Kelley-Clarke Company, Seattle, Wash., assignor, by mesne assignments, to Kelley-Clarke Company. Canned fish. 428,070; Mar. 11; Serial No. 486,310; published Dec. 17, 1946. Class 46.

Kendall Refining Company, Bradford, Pa. Liquid petroleum hydrocarbon solvents. 428,125; Mar. 11; Serial No. 497,183; published Dec. 3, 1946. Class 6.

Kimball-Hill, Incorporated, New York, N. Y. Garden and field hand and power operated cultivators. 428,136; Mar. 11; Serial No. 498,151; published Dec. 10, 1946. Class 23.

Kingsboro Silk Mills, Inc., Daisy, Tenn. Ladies' and children's knitted, cotton, silk, or rayon vests, bloomers, panties, etc. 428,181; Mar. 11; Serial No. 501,744; published Dec. 24, 1946. Class 39.

Klein, Joseph M., New York, N. Y. Men's overcoats and topcoats, and suits. 428,196; Mar. 11; Serial No. 502,518; published Dec. 24, 1946. Class 39.

Kono Manufacturing Company, The, Woodside, N. Y. Eyeglass and spectacle frames and parts therefor. 428,186; Mar. 11; Serial No. 501,913; published Dec. 17, 1946. Class 26.

La Floreal Parfum Sales Co.: *See*—
Simon, Harry A.

Lanburn Chemical Co., Irvington, N. J. Chemical preparations. 428,099; Mar. 11; Serial No. 493,367; published Dec. 17, 1946. Class 6.

Lang Brothers: *See*—
Lang, Robert L.

Lang, Robert L., doing business as Lang Brothers, Paducah, Ky. Tablets for use in the relief of simple neuralgia and headache. 428,147; Mar. 11; Serial No. 499,715; published Dec. 3, 1946. Class 6.

Lenhoff, Neil L., Detroit, Mich. Women's clothing and apparel. 428,214; Mar. 11; Serial No. 508,083; published Dec. 24, 1946. Class 39.

Lentheric, Incorporated, New York, N. Y. Perfumes, toilet waters, and cosmetic creams. 428,120; Mar. 11; Serial No. 496,642; published Dec. 17, 1946. Class 6.

Le Tourneau, R. G., Inc., Stockton, Calif., and Peoria, Ill. Earth working, construction, and industrial equipment. 428,215; Mar. 11; Serial No. 508,170; published Dec. 3, 1946. Class 23.

Lewis Bottling Company: *See*—
Lewis, Frank L.

Lewis, Frank L., doing business as Lewis Bottling Company, High Point, N. C. Soft drink of orange and grape flavor. 428,232; Mar. 11. Class 45.

Liberty Motors and Engineering Corporation, Baltimore, Md. Hand boring tools, torque wrench adapters, spline bushings, etc. 428,052; Mar. 11; Serial No. 469,685; published Dec. 17, 1946. Class 23.

Liebel-Flarsheim Co., The, Cincinnati, Ohio. Diathermy machines. 428,218; Mar. 11; Serial No. 509,991; published Dec. 24, 1946. Class 44.

Lilly, Eli, and Company, Indianapolis, Ind. Medicinal preparation. 428,242; Mar. 11. Class 6.

Little Bear Specialties Co., Inc., Kansas City, Mo. Liquid fabric cement. 428,222; Mar. 11; Serial No. 510,399; published Dec. 24, 1946. Class 5.

Loomtogs, Inc., New York, N. Y. Infants', toddlers', children's, etc., aprons, bathing suits, bath robes, etc. 428,152; Mar. 11; Serial No. 500,174; published Dec. 17, 1946. Class 39.

Lord Jeff Knitting Company, Incorporated, New York, N. Y. Sweaters, mufflers, and cotton basque shirts. 428,156; Mar. 11; Serial No. 500,399; published Nov. 12, 1946. Class 39.

Lyntone Company, The, Oklahoma, Okla. Sweaters, hosiery, underwear, etc. 428,082; Mar. 11; Serial No. 488,273; published Mar. 12, 1946. Class 39.

Madamoiselle Co., Philadelphia, Pa. Deodorant pads. 428,102; Mar. 11; Serial No. 493,689; published Dec. 3, 1946. Class 6.

Manchester Knitted Fashions, Inc., Manchester, N. H. Women's knitted tee shirts, and knitted sweaters. 428,194; Mar. 11; Serial No. 502,310; published Dec. 24, 1946. Class 39.

Marine Optical Mfg. Co., Boston, Mass. Sunglasses. 428,235; Mar. 11. Class 26.

Markay Waist House, New York, N. Y. Ladies' and misses' blouses. 428,066; Mar. 11; Serial No. 484,210; published Dec. 10, 1946. Class 39.

Marks, Nancy J., Chicago, Ill. Toilet articles. 428,107; Mar. 11; Serial No. 494,692; published Dec. 3, 1946. Class 6.

Massasoit Company: *See*—
Bidwell, John A., Company, Inc.

Maxeng Restaurants Corporation: *See*—
Blue Kitchens, Inc., The.

McCarroll, J. R., Company, Kansas City, Kans. Flexible shaft tool. 428,161; Mar. 11; Serial No. 500,624; published Dec. 17, 1946. Class 23.

McKee, Joseph B., doing business as Multi Mfg. Co., Los Angeles, Calif. Salt and pepper shakers. 428,210; Mar. 11; Serial No. 505,142; published Dec. 24, 1946. Class 2.

McNulty, William J., doing business under the name Elbon Lab., Montclair, N. J. Preparation for relief of athlete's foot. 428,134; Mar. 11; Serial No. 498,015; published Dec. 3, 1946. Class 6.

Meier & Pohlmann Furniture Co., St. Louis, Mo. Dinette suites. 428,212; Mar. 11; Serial No. 506,829; published Dec. 17, 1946. Class 32.

Mercury Manufacturing Company, The, Chicago, Ill. Power operated lift truck. 428,225; Mar. 11. Class 23.

Merrell, Wm. S., Company, The, Cincinnati, Ohio. Product in capsule, tablet, liquid, or powder form. 428,159; Mar. 11; Serial No. 500,554; published Dec. 17, 1946. Class 6.

Michaels, I. & L., New York, N. Y. Outer garments for young men and boys. 428,182; Mar. 11; Serial No. 501,756; published Dec. 17, 1946. Class 39.

Miller-Simons, Inc., Cicero, Ill. Mechanical toys. 428,221; Mar. 11; Serial No. 510,187; published Dec. 24, 1946. Class 22.

Moore Company, The, Muncie, Ind. Bed springs. 428,213; Mar. 11; Serial No. 507,652; published Dec. 17, 1946. Class 32.

Morrison Garment Co.: *See*—
Schulte, Raymond P.

Morton Appliance Company, Inc., Chicago, Ill. Electric laundry washers and ironers. 428,245; Mar. 11. Class 24.

Morton Machine Works, Ferndale, Mich. Work and tool holding fixtures and clamps. 428,108; Mar. 11; Serial No. 495,085; published Dec. 3, 1946. Class 23.

Multi Mfg. Co.: *See*—
McKee, Joseph B.

Narragansett Industries Corporation, Providence, R. I. Underwear and pajamas for men. 428,178; Mar. 11; Serial No. 501,525; published Dec. 24, 1946. Class 39.

Nash Engineering Company, South Norwalk, Conn. Pumps and parts thereof. 428,078; Mar. 11; Serial No. 487,792; published Dec. 17, 1946. Class 23.

National Industries, Inc.: *See*—
National Mineral Company, The.

National Mineral Company, The, Chicago, Ill., now by change of name to National Industries, Inc. Lipsticks. 428,079; Mar. 11; Serial No. 487,854; published Dec. 3, 1946. Class 6.

National Mineral Company, The, Chicago, Ill., now by change of name to National Industries, Inc. Lipsticks. 428,080; Mar. 11; Serial No. 487,858; published Dec. 3, 1946. Class 6.

Naugle, John J., doing business as John J. Naugle Laboratory, assignor to Elguanite Corporation, New York, N. Y. Defecant for sugar solutions. 428,148; Mar. 11; Serial No. 499,852; published Dec. 17, 1946. Class 6.

Naugle, John J., Laboratory: *See*—
Naugle, John J.

Nichols Plastic and Engineering Company: *See*—
Nichols, Warren O.

Nichols, W. H., & Sons, Waltham, Mass. Hand milling machines and lubrication pumps. 428,051; Mar. 11; Serial No. 466,227; published Dec. 17, 1946. Class 23.

Nichols, Warren O., doing business as Nichols Plastic and Engineering Company, Los Angeles, Calif. Salt and pepper shakers, fruit dishes, cereal bowls, etc. 428,105; Mar. 11; Serial No. 494,107; published Dec. 24, 1946. Class 2.

Norton Lasier Company, Chicago, Ill. Door closers. 220,317; renewed Nov. 9, 1946. O. G. Mar. 11. Class 13.

Norwood, Inc.: *See*—
Western Operating Company.

Old Heaven Hill Springs Distillery, doing business as Gary & Eddy Distilling Co., Bardstown, Ky. Whiskey. 428,089; Mar. 11; Serial No. 491,356; published Dec. 17, 1946. Class 49.

Optimist International, St. Louis, Mo. Trophies. 428,048; Mar. 11; Serial No. 461,022; published Dec. 17, 1946. Class 28.

Pacific Coast Fruit Distributors, Los Angeles, Calif. Fresh citrus fruit. 428,170; Mar. 11; Serial No. 501,139; published Dec. 17, 1946. Class 46.

Park Feed and Grain Company: *See*—
Sheesley, Park C.

Parke, Davis & Company, Detroit, Mich. Chemotherapeutic agent. 428,135; Mar. 11; Serial No. 498,028; published Dec. 3, 1946. Class 6.

Pessl, Helene, Inc., New York, N. Y. Baby cream, talcum powder, and baby oil. 428,157; Mar. 11; Serial No. 500,410; published Dec. 17, 1946. Class 6.

Pohl, Alfred, New York, N. Y. Simulated pearls and costume jewelry. 428,172; Mar. 11; Serial No. 501,198; published Dec. 17, 1946. Class 28.

Pond's Extract Company, New York, N. Y., and elsewhere. Face powder. 428,144; Mar. 11; Serial No. 499,349; published Dec. 17, 1946. Class 6.

Potter & Johnston Machine Company, Pawtucket, R. I. Metal working machines and tools therefor. 428,158; Mar. 11; Serial No. 500,412; published Dec. 3, 1946. Class 23.

Puritan Compressed Gas Corporation, Kansas City, Mo. Equipment used for the administration of anesthetic, resuscitation, and therapeutic gases. 428,111; Mar. 11; Serial No. 495,502; published Dec. 24, 1946. Class 44.

Rabin, Irwin, New York, N. Y. Women's and children's aprons. 428,103; Mar. 11; Serial No. 493,980; published Dec. 3, 1946. Class 39.

Rajcok, Susan D., doing business as Fluoricite, Danbury, Conn. Tooth paste, tooth powder, and mouth wash. 428,065; Mar. 11; Serial No. 483,663; published Dec. 3, 1946. Class 6.

Ramsey, James N., Pittsburgh, Pa. Hair pomade. 428,092; Mar. 11; Serial No. 492,221; published Dec. 17, 1946. Class 6.

Ranchway Remedies Company: *See*—
Stribling, John B., & Son, Ltd.

Raymond Laboratories, Inc., St. Paul, Minn. Beauty supplies. 428,059; Mar. 11; Serial No. 480,350; published Oct. 23, 1945. Class 6.

Redmer, Norman W., doing business as United Precision Products Co., Chicago, Ill. Plug gauges and parts therefor. 428,240; Mar. 11. Class 26.

Red Owl Stores, Inc.: *See*—
Red Owl Stores, Incorporated.

Red Owl Stores, Incorporated, to Red Owl Stores, Inc., Minneapolis, Minn. Canned vegetables. 222,063; renewed Dec. 21, 1946. O. G. Mar. 11. Class 46.

Reed, Gertrude S., doing business as Casa Rosa de Oro, Denver, Colo. Thin, crisp strip or chip of salty hot-fat-cooked corn product. 428,090–1; Mar. 11; Serial Nos. 491,462–3; published Dec. 17, 1946. Class 46.

Réja, Inc., New York, N. Y. Costume jewelry. 428,173; Mar. 11; Serial No. 501,201; published Dec. 17, 1946. Class 28.

Remington Rand Inc.: *See*—
Wyckoff, Seamans & Benedict.

Rice Conversion Limited, London, England, assignor, by mesne assignments, to Converted Rice, Inc., Houston, Tex. Rice. 428,056–7; Mar. 11; Serial Nos. 472,257–8; published July 2, 1946. Class 46.

Rich Laboratories, Inc., Lebanon, Pa. Gelatin capsules. 428,230; Mar. 11. Class 6.

Richards, August M., Detroit, Mich. Second sheets comprising an assembly of paper sheets, and carbon paper sheets. 428,226–7; Mar. 11. Class 37.

Riggins, William P., doing business as Wm. P. Riggins Co., Arlington, Va. Medicinal preparation for the treatment of obesity. 428,123; Mar. 11; Serial No. 496,984; published Dec. 17, 1946. Class 6.

Riggins, Wm. P., Co.: *See*—
Riggins, William P.

St. Denis Toiletries, Inc., New York, N. Y. Perfumes, toilet waters, bath powders, etc. 428,047; Mar. 11; Serial No. 439,569; published May 21, 1946. Class 6.

Sarfert Hosiery Mills, Inc., Philadelphia, Pa. Foot socks. 428,195; Mar. 11; Serial No. 502,465; published Nov. 12, 1946. Class 39.

Saulsberry, Ransom W., doing business as Ethiopian Laboratory, Los Angeles, Calif. Ointment for the treatment of dandruff of the scalp and other similar scalp diseases. 428,064; Mar. 11; Serial No. 483,236; published Dec. 3, 1946. Class 6.

Schlitz, Jos., Brewing Company, Milwaukee, Wis. Beer. 428,097; Mar. 11; Serial No. 492,589; published Dec. 3, 1946. Class 48.

Schulte, Raymond P., doing business as Morrison Garment Co., St. Paul, Minn. Washable professional and service apparel. 428,162; Mar. 11; Serial No. 500,631; published Nov. 12, 1946. Class 39.

Schumer, Wm. H.: *See*—
Schumer, William H.

Schumer, William H., doing business as Wm. H. Schumer, Los Angeles, Calif. Women's and misses' blouses, slacks, sport suits, etc. 428,132; Mar. 11; Serial No. 497,819; published Dec. 3, 1946. Class 39.

Segelman, Jacob P., doing business as Dynamic Razor Blade Company, Los Angeles, Calif. Razor blades. 428,076; Mar. 11; Serial No. 487,214; published Dec. 17, 1946. Class 23.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Antibacterial suspension. 428,174–5; Mar. 11; Serial Nos. 501,210–11; published Dec. 10, 1946. Class 6.

Sheesley, Park C., doing business as Park Feed and Grain Company, Harrisburg, Pa. Dairy feed and livestock feed. 428,239; Mar. 11. Class 46.

Shell Oil Company, Incorporated, San Francisco, Calif. Horticultural hormone spray. 428,234; Mar. 11. Class 6.

Sherwin-Williams Company, The, Cleveland, Ohio. Trays of cardboard, plastic material, and wood. 428,053; Mar. 11; Serial No. 469,735; published Aug. 22, 1944. Class 2.

Simon, Harry A., doing business as La Floreal Parfum Sales Co., Hollywood, Calif. Perfumes. 428,133; Mar. 11; Serial No. 497,823; published Dec. 17, 1946. Class 6.

Simon Mattress Manufacturing Co., San Francisco, Calif. Sleeping bags in the nature of beds. 428,116; Mar. 11; Serial No. 496,480; published Dec. 24, 1946. Class 22.

Simon-Zucker Co., The, New York, N. Y. Outer garments comprising women's and children's shorts, slacks, sun-suits, etc. 428,130; Mar. 11; Serial No. 497,422; published Dec. 3, 1946. Class 39.

Skelley, Mildred A., doing business as Weber's Root Beer Company, Dallas, Tex. Root beer. 428,246; Mar. 11. Class 45.

Smith, Kline & French Laboratories, Philadelphia, Pa. Pharmaceuticals. 428,151; Mar. 11; Serial No. 500,139; published Dec. 17, 1946. Class 6.

Smith, Rakoff & Feldman, Inc., New York, N. Y. Ladies' coats and suits. 428,208; Mar. 11; Serial No. 504,702; published Dec. 24, 1946. Class 39.

Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Compounded oil. 428,143; Mar. 11; Serial No. 499,291; published Dec. 10, 1946. Class 6.

Southern Heater Company, Inc.: *See*—
Go-Ro Water Heater Company, Inc.

Sparhawk, Charles V., doing business as Sparhawk Company, Sparkhill, N. Y. Skunk gland product. 428,054; Mar. 11; Serial No. 470,008; published Nov. 6, 1945. Class 6.

Sparhawk Company: *See*—
Sparhawk, Charles V.

Springer, Ralph C., doing business as The Crazy Daisy Winder Co., Beverly Hills, Calif. Hand knitting tool. 428,071; Mar. 11; Serial No. 486,593; published Dec. 10, 1946. Class 23.

Stangel, J. J., Hardware Company, Manitowoc, Wis. Toy scooters, toy tricycles, toy velocipedes, etc. 428,209; Mar. 11; Serial No. 504,711; published Dec. 24, 1946. Class 22.

Stribling, John B., & Son, Ltd., doing business as Ranchway Remedies Company, Rotan, Tex. Veterinarian supplies. 428,060; Mar. 11; Serial No. 480,787; published Dec. 3, 1946. Class 6.

Strietmann Biscuit Company, The, Cincinnati, Ohio, to United Biscuit Company of America, Chicago, Ill. Biscuits. 224,173; renewed Feb. 22, 1947. O. G. Mar. 11. Class 46.

Sumco Products, Inc., New York, N. Y. Fuel oil conditioner preparation. 428,228; Mar. 11. Class 6.

Taft-Peirce Manufacturing Company, The, Woonsocket, R. I. Parallels, bench centers, bench blocks, etc. 428,049; Mar. 11; Serial No. 464,120; published Dec. 17, 1946. Class 26.

Tanzer, Charles, doing business as Hygeia Pharmaceutical Co., New York, N. Y. Pharmaceuticals. 428,163; Mar. 11; Serial No. 500,779; published Dec. 17, 1946. Class 6.

Terrell, Reta, Chicago, Ill. Perfumes, face powder, bath powder, etc. 428,241; Mar. 11. Class 6.

Tokheim Oil Tank and Pump Company, Fort Wayne, Ind. Oil, liquid and fuel measuring and dispensing pumps and parts thereof, etc. 428,055; Mar. 11; Serial No. 470,428; published Dec. 24, 1946. Class 26.

Town and Country Club Furs, Inc., New York, N. Y. Fur coats. 428,184; Mar. 11; Serial No. 501,884; published Dec. 17, 1946. Class 39.

Trostel, Albert, & Sons, to Albert Trostel & Sons Company, Milwaukee, Wis. Shoe-leather. 56,947; re-renewed Oct. 23, 1946. O. G. Mar. 11. Class 1.

Trostel, Albert, & Sons Company: *See*—
Trostel, Albert, & Sons.

TruVal Manufacturers, Inc., New York, N. Y. Negligee shirts and sportshirts. 428,203; Mar. 11; Serial No. 503,483; published Dec. 24, 1946. Class 39.

TruVal Manufacturers, Inc., New York, N. Y. Sportswear. 428,204; Mar. 11; Serial No. 503,484; published Dec. 24, 1946. Class 39.

TruVal Manufacturers, Inc., New York, N. Y. Pajamas. 428,205; Mar. 11; Serial No. 503,485; published Dec. 24, 1946. Class 39.

U. N. Products Company, The: *See*—
Hoge, Francis H., Jr.

Union Allumettiere S. A.: *See*—
Union Allumettière Société Anonyme.

Union Allumettière Société Anonyme, to Union Allumettiere S. A., Brussels, Belgium. Matches. 215,856; renewed July 27, 1946. O. G. Mar. 11. Class 9.

United Biscuit Company of America: *See*—
Strietmann Biscuit Company, The.

United Farms Co., Guadalupe, Calif. Fresh vegetables. 428,168; Mar. 11; Serial No. 501,029; published Dec. 17, 1946. Class 46.

United Precision Products Co.: *See*—
Redmer, Norman W.

U. S. Fiber & Plastics Corp., Stirling, N. J. Toy bean bags. 428,219; Mar. 11; Serial No. 510,134; published Dec. 24, 1946. Class 22.

U. S. Fiber & Plastics Corp., Stirling, N. J. Bags made of plastic sheeting. 428,220; Mar. 11; Serial No. 510,137; published Dec. 24, 1946. Class 2.

United States Rubber Company, New York, N. Y. Aqueous emulsions of thermoplastic resins. 428,117; Mar. 11; Serial No. 496,490; published Dec. 3, 1946. Class 6.

Viking Tool & Machine Corporation, The, Belleville, N. J. Dies, molds, and tapping and screw forming apparatus. 428,140; Mar. 11; Serial No. 498,665; published Dec. 10, 1946. Class 23.

Wallace & Tiernan Products Incorporated, Belleville, N. J. Composition for treatment of varicose veins. 428,131; Mar. 11; Serial No. 497,429; published Dec. 3, 1946. Class 6.

Warren, Lyman B., Jr., doing business as The Aloyl Company, St. Paul, Minn. Chemical preparations. 428,062; Mar. 11; Serial No. 482,820; published Dec. 3, 1946. Class 6.

Weber's Root Beer Company: *See*—
Skelley, Mildred A.

Webster Electric Company, Racine, Wis. Thermostatically controlled, variable diameter, and V-pulleys. 428,164; Mar. 11; Serial No. 500,850; published Dec. 3, 1946. Class 23.

Wedgeworth, Charles A., Pampa, Tex. Preparation for use in the treatment of screw worms, wire cuts, pink eye, etc. 428,126; Mar. 11; Serial No. 497,285; published Dec. 17, 1946. Class 6.

Westall, E., Co.: *See*—
Westall, Evelyn.

Westall, Evelyn, doing business as E. Westall Co., New York, N. Y. Perfumery. 428,074; Mar. 11; Serial No. 487,155; published Feb. 12, 1946. Class 6.

Western Operating Company, Milwaukee, Wis., to Norwood, Inc., Jersey City, N. J. Toilet soap. 222,260; renewed Dec. 28, 1946. O. G. Mar. 11. Class 4.

Weyermann & Co., Zurich, Switzerland. Face lotion, after shaving lotion, and styptic pencils. 428,243; Mar. 11. Class 6.

Wolff Shirt Company, New York, N. Y. Men's and boys' sweaters and outer shirts. 428,183; Mar. 11; Serial No. 501,798; published Nov. 12, 1946. Class 39.

Woods, Charlie H., and J. H. Colbert, Buffalo, N. Y. Liniment. 428,233; Mar. 11. Class 6.

Woolworth, F. W., Company, New York, N. Y. Hose. 428,197; Mar. 11; Serial No. 502,549; published Nov. 12, 1946. Class 39.

Wyckoff, Seamans & Benedict, Ilion, to Remington Rand Inc., Buffalo, N. Y. Carbon-paper and type-writer ribbons. 58,672; re-renewed Dec. 18, 1946. O. G. Mar. 11. Class 11.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Shoe-leather. Albert Trostel & Sons. 56,947; re-renewed Oct. 23, 1946. O. G. Mar. 11.

CLASS 2

Bags made of plastic sheeting. U. S. Fiber & Plastics Corp. 428,220; Mar. 11; Serial No. 510,137; published Dec. 24, 1946.

Baskets. Waste paper. Continental Can Company, Inc. 428,100; Mar. 11; Serial No. 493,538; published Dec. 24, 1946.

Compacts. Allied Plastics Company. 428,067; Mar. 11; Serial No. 484,381; published Dec. 24, 1946.

Shakers, fruit dishes, cereal bowls, etc., Salt and pepper. W. O. Nichols. 428,105; Mar. 11; Serial No. 494,107; published Dec. 24, 1946.

Shakers, Salt and pepper. J. B. McKee. 428,210; Mar. 11; Serial No. 505,142; published Dec. 24, 1946.

Trays of cardboard, plastic material, and wood. Sherwin-Williams Company. 428,053; Mar. 11; Serial No. 469,735; published Aug. 22, 1944.

CLASS 4

Soap, Toilet. Western Operating Company. 222,260; renewed Dec. 28, 1946. O. G. Mar. 11.

CLASS 5

Cement, Liquid fabric. Little Bear Specialties Co., Inc. 428,222; Mar. 11; Serial No. 510,399; published Dec. 24, 1946.

Cement, Padding. Champion Manufacturing Co. 428,236; Mar. 11.

CLASS 6

Antibacterial suspension. Sharp & Dohme, Incorporated. 428,174–5; Mar. 11; Serial Nos. 501,210–11; published Dec. 10, 1946.

Antiseptics. P. Breed. 428,171; Mar. 11; Serial No. 501,160; published Dec. 10, 1946.

Beauty supplies. Raymond Laboratories, Inc. 428,059; Mar. 11; Serial No. 480,350; published Oct. 23, 1945.

Capsules, Gelatin. Rich Laboratories, Inc. 428,230; Mar. 11.

Chemical compound, Oil miscible. J. Genovese. 428,141; Mar. 11; Serial No. 498,833; published Dec. 17, 1946.

Chemical preparations. Chemical Corporation. 428,224; Mar. 11.

Chemical preparations. Lanburn Chemical Co. 428,099; Mar. 11; Serial No. 493,367; published Dec. 17, 1946.

Chemical preparations. L. B. Warren, Jr. 428,062; Mar. 11; Serial No. 482,820; published Dec. 3, 1946.

Chemotherapeutic agent. Parke, Davis & Company. 428,135; Mar. 11; Serial No. 498,028; published Dec. 3, 1946.

Colognes, Men's. Irresistible, Inc. 428,238; Mar. 11.

Composition for treatment of varicose veins. Wallace & Tiernan Products Incorporated. 428,131; Mar. 11; Serial No. 497,429; published Dec. 3, 1946.

Compound for the relief of muscular aches and pains, etc. Dixie Medicine Corporation. 428,061; Mar. 11; Serial No. 481,616; published Dec. 17, 1946.

Cosmetic products and toiletries, Men's. Avon Products, Inc. 428,154; Mar. 11; Serial No. 500,272; published Dec. 17, 1946.

Cream, talcum powder, and baby oil, Baby. Helen Pessl, Inc. 428,157; Mar. 11; Serial No. 500,410; published Dec. 17, 1946.

Defecant for sugar solutions. J. J. Naugle. 428,148; Mar. 11; Serial No. 499,852; published Dec. 17, 1946.

Deodorant pads. Madamoiselle Co. 428,102; Mar. 11; Serial No. 493,689; published Dec. 3, 1946.

Emulsions of thermoplastic resins, Aqueous. United States Rubber Company. 428,117; Mar. 11; Serial No. 496,490; published Dec. 3, 1946.

Fluids for embalming and for disinfecting the dead human body. W. L. Armstrong. 428,128; Mar. 11; Serial No. 497,361; published Dec. 17, 1946.

Fuel oil conditioner preparation. Sumco Products, Inc. 428,228; Mar. 11.

Germicidal preparation. A. N. Davis. 428,138; Mar. 11; Serial No. 498,403; published Dec. 3, 1946.

Hair dyes. Carl Damschinsky, Inc. 428,169; Mar. 11; Serial No. 501,052; published Dec. 17, 1946.

Hair pomade. J. N. Ramsey. 428,092; Mar. 11; Serial No. 492,221; published Dec. 17, 1946.

Horticultural hormone spray. Shell Oil Company, Incorporated. 428,234; Mar. 11.

Ingredients or supplements of foods. Commercial Solvents Corporation. 428,075; Mar. 11; Serial No. 487,168; published Dec. 17, 1946.

Insecticides. E. W. Heath, III. 428,121; Mar. 11; Serial No. 496,701; published Dec. 17, 1946.

Insecticides. F. H. Hoge, Jr. 428,127; Mar. 11; Serial No. 497,310; published Dec. 17, 1946.

Liniment. C. H. Woods and J. H. Colbert. 428,233; Mar. 11.

Liniment, Liquid. Effectine Company. 428,139; Mar. 11; Serial No. 498,406; published Dec. 17, 1946.

Lipsticks. National Mineral Company. 428,079; Mar. 11; Serial No. 487,854; published Dec. 3, 1946.

Lipsticks. National Mineral Company. 428,080; Mar. 11; Serial No. 487,858; published Dec. 3, 1946.

Liquid petroleum hydrocarbon solvents. Kendall Refining Company. 428,125; Mar. 11; Serial No. 497,183; published Dec. 3, 1946.

Lotion, after shaving lotion, and stypic pencils, Face. Weyermann & Co. 428,243; Mar. 11.

Lotion, hair tonic, after-shave talc, etc., After-shave. Galen Laboratories. 428,087; Mar. 11; Serial No. 490,884; published Dec. 17, 1946.

Make-up, Cake. Evans Chemetics Inc. 428,113; Mar. 11; Serial No. 495,598; published Dec. 17, 1946.

Malt extract. English Diastasic Malt Extract Company Limited. 28,711; re-renewed Aug. 4, 1946. O. G. Mar. 11.

Medicinal preparation. Eli Lilly and Company. 428,242; Mar. 11.

Medicinal preparation for the treatment of obesity. W. P. Riggins. 428,123; Mar. 11; Serial No. 496,984; published Dec. 17, 1946.

Medicine for phthisis. Dansk Chemo-Therapeutisk Selskab A/S. 428,093; Mar. 11; Serial No. 492,259; published Dec. 3, 1946.

Oil, Compounded. Socony-Vacuum Oil Company, Incorporated. 428,143; Mar. 11; Serial No. 499,291; published Dec. 10, 1946.

Ointment compound. E. Dawking. 428,229; Mar. 11.

Ointment for treating piles. Carmelo Bentivegna. 428,101; Mar. 11; Serial No. 493,587; published Dec. 3, 1946.

Ointment for treatment of dandruff of the scalp and other similar scalp diseases. R. W. Saulsberry. 428,064; Mar. 11; Serial No. 483,236; published Dec. 3, 1946.

Ointment for treatment of eczema and other skin ailments. M. Chisholm. 428,085; Mar. 11; Serial No. 490,792; published Dec. 17, 1946.

Perfumery. E. Westall. 428,074; Mar. 11; Serial No. 487,155; published Feb. 12, 1946.

Perfumes. H. A. Simon. 428,133; Mar. 11; Serial No. 497,823; published Dec. 17, 1946.

Perfumes and rouges. J. Deprez. 428,104; Mar. 11; Serial No. 494,039; published Dec. 17, 1946.

Perfumes, face powder, bath powder, etc. R. Terrell. 428,241; Mar. 11.

Perfumes, toilet waters, and cosmetic creams. Lentheric, Incorporated. 428,120; Mar. 11; Serial No. 496,642; published Dec. 17, 1946.

Perfumes, toilet waters, bath powders, etc. St. Denis Toiletries, Inc. 428,047; Mar. 11; Serial No. 439,569; published May 21, 1946.

Pharmaceuticals. Smith, Kline & French Laboratories. 428,151; Mar. 11; Serial No. 500,139; published Dec. 17, 1946.

Pharmaceuticals. C. Tanzer. 428,163; Mar. 11; Serial No. 500,779; published Dec. 17, 1946.

Powder, Face. Pond's Extract Company. 428,144; Mar. 11; Serial No. 499,349; published Dec. 17, 1946.

Preparation for relief of athlete's foot. W. J. McNulty. 428,134; Mar. 11; Serial No. 498,015; published Dec. 3, 1946.

Preparation for use in the treatment of screw worms, wire cuts, pink eye, etc. C. A. Wedgeworth. 428,126; Mar. 11; Serial No. 497,285; published Dec. 17, 1946.

Preparations for the treatment of textile fibers and fabrics. "Coffette" Products, Inc. 428,112; Mar. 11; Serial No. 495,586; published Dec. 3, 1946.

Product in capsule, tablet, liquid, or powder form. Wm. S. Merrell Company. 428,159; Mar. 11; Serial No. 500,554; published Dec. 17, 1946.

Sachets, perfumes, toilet waters, etc. Hervey Associates. 428,149; Mar. 11; Serial No. 500,081; published Dec. 17, 1946.

Shampoo, Hair coloring. Duart Manufacturing Co., Ltd. 428,237; Mar. 11.

Skunk gland product. C. V. Sparhawk. 428,054; Mar. 11; Serial No. 470,008; published Nov. 6, 1945.

Spray, mouse poison, volatile insecticide, etc., All purpose insect. Arrow Engineering & Chemical Co., Inc. 428,069; Mar. 11; Serial No. 485,809; published Dec. 3, 1946.

Starch, Laundry. Hubinger Company. 428,155; Mar. 11; Serial No. 500,392; published Dec. 3, 1946.

Tablets for use in the relief of simple neuralgia and headache. R. L. Lang. 428,147; Mar. 11; Serial No. 499,715; published Dec. 3, 1946.

Toilet articles. N. J. Marks. 428,107; Mar. 11; Serial No. 494,692; published Dec. 3, 1946.

Tooth paste. H. de S. de Orive. 428,072; Mar. 11; Serial No. 486,949; published Dec. 3, 1946.

Toothpaste, tooth powder, and mouth wash. S. D. Rajcok. 428,065; Mar. 11; Serial No. 483,663; published Dec. 3, 1946.

Veterinarian supplies. John B. Stribling & Son Ltd. 428,060; Mar. 11; Serial No. 480,787; published Dec. 3, 1946.

CLASS 9

Matches. Union Allumettière Société Anonyme. 215,856; renewed July 27, 1946. O. G. Mar. 11.

CLASS 11

Carbon-paper and type-writer ribbons. Wyckoff, Seamans & Benedict. 58,672; re-renewed Dec. 18, 1946. O. G. Mar. 11.

CLASS 13

Door closers. Norton Lasier Company. 220,317; renewed Nov. 9, 1946. O. G. Mar. 11.

CLASS 22

Bags in the nature of beds, Sleeping. Simon Mattress Manufacturing Co. 428,116; Mar. 11; Serial No. 496,480; published Dec. 24, 1946.

Games, Darts and dart. Dart Board Equipment Company. 428,114; Mar. 11; Serial No. 495,794; published Dec. 24, 1946.

Toy bean bags. U. S. Fiber & Plastics Corp. 428,219; Mar. 11; Serial No. 510,134; published Dec. 24, 1946.

Toy gliders. Grotke Manufacturing Co. 428,083; Mar. 11; Serial No. 488,898; published Feb. 12, 1946.

Toy scooters, toy tricycles, toy velocipedes, etc. J. J. Stangel Hardware Company. 428,209; Mar. 11; Serial No. 504,711; published Dec. 24, 1946.

Toy whistles. Grossman Music Co. 423,223; Mar. 11; Serial No. 511,324; published Dec. 24, 1946.

Toys, Mechanical. Miller-Simons, Inc. 428,221; Mar. 11; Serial No. 510,187; published Dec. 24, 1946.

CLASS 23

Bits, augers, and screw drivers. Irwin Auger Bit Company. 428,109; Mar. 11; Serial No. 495,387; published Dec. 3, 1946.

Cultivators, Garden and field hand and power operated. Kimball-Hill, Incorporated. 428,136; Mar. 11; Serial No. 498,151; published Dec. 10, 1946.

Dies, molds, and tapping and screw forming apparatus. Viking Tool & Machine Corporation. 428,140; Mar. 11; Serial No. 498,665; published Dec. 10, 1946.

Equipment, Earth working, construction, and industrial. R. G. Le Tourneau, Inc. 428,215; Mar. 11; Serial No. 508,170; published Dec. 3, 1946.

Fixtures and clamps, Work and tool holding. Morton Machine Works. 428,108; Mar. 11; Serial No. 495,085; published Dec. 3, 1946.

Gearing and gear boxes. David Brown & Sons (Huddersfield), Limited. 428,165; Mar. 11; Serial No. 500,854; published Dec. 3, 1946.

Grinders, Tool. R. H. Clark. 428,058; Mar. 11; Serial No. 479,111; published Dec. 10, 1946.

Ice cubing (cutting) machines and sand mixing machines, Electrically operated. Flynn and Emrich Company. 428,106; Mar. 11; Serial No. 494,665; published Dec. 3, 1946.

Jiggers, Siphon. Bixler Corporation. 428,176; Mar. 11; Serial No. 501,359; published Dec. 17, 1946.

Lubricating equipment, Automotive and industrial. Aro Equipment Corporation. 428,167; Mar. 11; Serial No. 500,932; published Dec. 17, 1946.

Machines for use in standard sewage disposal plants. Infilco Incorporated. 428,137; Mar. 11; Serial No. 498,350; published Dec. 3, 1946.

Metal working machines and tools. Potter & Johnston Machine Company. 428,158; Mar. 11; Serial No. 500,412; published Dec 3, 1946.

Milling machines and lubrication pumps, Hand. W. H. Nichols & Sons. 428,051; Mar. 11; Serial No. 466,227; published Dec. 17, 1946.

Mowers, Lawn. American Chain & Cable Company, Inc. 428,063; Mar. 11; Serial No. 482,963; published Dec. 10, 1946.

Press, Hand operated. R. M. Jelenko. 428,073; Mar. 11; Serial No. 486,953; published Dec. 3, 1946.

Pumps and parts thereof. Nash Engineering Company. 428,078; Mar. 11; Serial No. 487,792; published Dec. 17, 1946.

Razor blades. J. P. Segelman. 428,076; Mar. 11; Serial No. 487,214; published Dec. 17, 1946.

Tool, Flexible shaft. J. R. McCarroll Company. 428,161; Mar. 11; Serial No. 500,624; published Dec. 17, 1946.

Tool, Hand knitting. R. C. Springer. 428,071; Mar. 11; Serial No. 486,593; published Dec. 10, 1946.

Tools, and parts thereof, Oil well. Houston Oil Field Material Company, Inc. 428,094; Mar. 11; Serial No. 492,266; O. G. Oct. 1.

Tools, Precision machine. American Measuring Instruments Corp. 423,118; Mar. 11; Serial No. 496,532; published Dec. 10, 1946.

Tools, torque wrench adapters, spline bushings, etc., Hand boring. Liberty Motors and Engineering Corporation. 428,052; Mar. 11; Serial No. 469,685; published Dec. 17, 1946.

Truck, Power operated lift. Mercury Manufacturing Company. 428,225; Mar. 11.

Variable diameter, and V-pulleys, Thermostatically controlled. Webster Electric Company. 428,164; Mar. 11; Serial No. 500,850; published Dec. 3, 1946.

Wheel dressers, Emery. City Machine Company. 428,077; Mar. 11; Serial No. 487,546; published Dec. 10, 1946.

CLASS 24

Ironing boards. Hight Manufacturing Company. 428,153; Mar. 11; Serial No. 500,219; published Dec. 17, 1946.

Washers and ironers, Electric laundry. Morton Appliance Company, Inc. 428,245; Mar. 11.

CLASS 25

Blanks, Key. Atlas-Ansonia Company. 428,192; Mar. 11; Serial No. 502,181; published Dec. 17, 1946.

CLASS 26

Cameras, optical instruments, projectors, etc. American Measuring Instruments Corp. 428,119; Mar. 11; Serial No. 496,533; published Dec. 17, 1946.

Drafting material, Translucent. Di-Noc Company. 428,177; Mar. 11; Serial No. 501,503; published Dec. 17, 1946.

Eyeglass and spectacle frames and parts therefor. Kono Manufacturing Company. 428,186; Mar. 11; Serial No. 501,913; published Dec. 17, 1946.

Formula pitchers, Graduated. Glasco Products Company. 428,145; Mar. 11; Serial No. 499,547; published Dec. 24, 1946.

Gauges and parts therefor, Plug. N. W. Redmer. 428,240; Mar. 11.

Glasses, Sun. Marine Optical Mfg. Co. 428,235; Mar. 11.

Lorgnettes, eyeglasses, and constituent parts thereof. W. A. Blocker. 428,146; Mar. 11; Serial No. 499,693; published Dec. 24, 1946.

Measuring and dispensing pumps and parts thereof, etc., Oil, liquid and fuel. Tokheim Oil Tank and Pump Company. 428,055; Mar. 11; Serial No. 470,428; published Dec. 24, 1946.

Parallels, bench centers, bench blocks, etc. Taft-Peirce Manufacturing Company. 428,049; Mar. 11; Serial No. 464,120; published Dec. 17, 1946.

Photographic paper, Sensitized. Ansco Photoproducts, Inc. 221,162; renewed Nov. 23, 1946. O. G. Mar. 11.

Recording instruments, Small temperature. Bacharach Industrial Instrument Company. 428,179; Mar. 11; Serial No. 501,627; published Dec. 17, 1946.

Spectacles, moving picture film, and cameras. Consolidated Cosmetics. 428,160; Mar. 11; Serial No. 500,604; published Dec. 24, 1946.

Sunglass lenses. Foster Grant Co. Inc. 428,189; Mar. 11; Serial No. 501,978; published Dec. 24, 1946.

Sunglasses. Foster Grant Co. Inc. 428,188; Mar. 11; Serial No. 501,975; published Dec. 24, 1946.

Sunglasses, ophthalmic frames, lenses, etc. Foster Grant Co. Inc. 428,187; Mar. 11; Serial No. 501,974; published Dec. 24, 1946.

Testing machines; stress and strain measuring and indicating instruments, strain gages, etc., Strength of materials. Baldwin Locomotive Works. 428,244; Mar. 11.

CLASS 28

Bracelets, Expansion wrist. Enel Manufacturing Co., Inc. 428,129; Mar. 11; Serial No. 497,380; published Dec. 17, 1946.

Jewelry, Costume. Réja, Inc. 428,173; Mar. 11; Serial No. 501,201; published Dec. 17, 1946.

Pearls and costume jewelry, Simulated. A. Pohl. 428,172; Mar. 11; Serial No. 501,198; published Dec. 17, 1946.

Trophies. Optimist International. 428,048; Mar. 11; Serial No. 461,022; published Dec. 17, 1946.

CLASS 32

Bed springs. Moore Company. 428,213; Mar. 11; Serial No. 507,652; published Dec. 17, 1946.

Dinette suites. Meier & Pohlmann Furniture Co. 428,212; Mar. 11; Serial No. 506,829; published Dec. 17, 1946.

Mattresses, box springs, spring seats, etc. S. Karpen & Bros. 428,081; Mar. 11; Serial No. 488,106; published Dec. 17, 1946.

Racks, Folding spool. R. E. Fast. 428,096; Mar. 11; Serial No. 492,491; published Dec. 17, 1946.

Stools and movable merchandise display bins, etc., Fitting. L. A. Darling Company. 428,050; Mar. 11; Serial No. 465,130; published Apr. 25, 1944.

CLASS 34

Heaters, Gas water. Go-Ro Water Heater Company, Inc. 222,827; renewed Jan. 11, 1947. O. G. Mar. 11.

Lighters, Pyrophoric cigarette and cigar. Flying Tigers (American Volunteer Group-Chinese Air Force) Incorporated. 428,211; Mar. 11; Serial No. 506,023; published Dec. 17, 1946.

CLASS 35

Belting, Rubber, leather, and canvas. Fisher Leather Belting Co. Inc. 222,988; renewed Jan. 11, 1947. O. G. Mar. 11.

CLASS 37

Sheets comprising an assembly of paper sheets and carbon paper sheets, Second. A. M. Richards. 428,226–7; Mar. 11.

CLASS 39

Apparel, Washable professional and service. R. P. Schulte. 428,162; Mar. 11; Serial No. 500,631; published Nov. 12, 1946.

Aprons, bathing suits, bath robes, etc., Infants', toddlers', children's, etc. Loomtogs, Inc. 428,152; Mar. 11; Serial No. 500,174; published Dec. 17, 1946.

Aprons, Women's and children's. I. Rabin. 428,103; Mar. 11; Serial No. 493,980; published Dec. 3, 1946.

Blouses and dresses. Women's. M. Coleman. 428,095; Mar. 11; Serial No. 492,489; published Dec. 24, 1946.

Blouses, Ladies' and misses'. Markay Waist House. 428,066; Mar. 11; Serial No. 484,210; published Dec. 10, 1946.

Blouses, shirts, and sport shirts. Kaynee Company. 428,068; Mar. 11; Serial No. 484,409; published Nov. 26, 1946.

Blouses, slacks, sport suits, etc., Women's and misses'. W. H. Schumer. 428,132; Mar. 11; Serial No. 497,819; published Dec. 3, 1946.

Clothing and apparel, Women's. N. L. Lenhoff. 428,214; Mar. 11; Serial No. 508,083; published Dec. 24, 1946.

Clothing, Men's. Joseph H. Cohen & Sons, Inc. 428,180; Mar. 11; Serial No. 501,636; published Dec. 3, 1946.

Coats and suits, Ladies'. Smith Rakoff & Feldman, Inc. 428,208; Mar. 11; Serial No. 504,702; published Dec. 24, 1946.

Coats, Fur. Town and Country Club Furs, Inc. 428,184; Mar. 11; Serial No. 501,884; published Dec. 17, 1946.

Dresses. Crystal Juniors, Inc. 428,086; Mar. 11; Serial No. 490,875; published Dec. 17, 1946.

Dresses, Girls', misses' and junior., and women's. Marilyn Joy Inc. 428,142; Mar. 11; Serial No. 498,909; published Nov. 26, 1946.

Dresses, night gowns, pajamas, etc. B. P. Garrison. 428,084; Mar. 11; Serial No. 490,063; published Nov. 26, 1946.

Dresses, playsuits, and bathing suits, Women's, misses', and children's. S. Augstein & Co., Inc. 428,185; Mar. 11; Serial No. 501,894; published Dec. 24, 1946.

Dresses, sundresses, coats, etc., Infants' and children's. Judy Jim Shop. 428,150; Mar. 11; Serial No. 500,083; published Nov. 26, 1946.

Frocks. Annetta Waist & Dress Co., Inc. 223,326; renewed Feb. 1, 1947. O. G. Mar. 11.

Frocks, Misses' and junior misses', dance. S. Citron. 428,191; Mar. 11; Serial No. 502,120; published Dec. 17, 1946.

Garments comprising women's and children's shorts, slacks, sun-suits, etc., Outer. Simon-Zucker Co. 428,130; Mar. 11; Serial No. 497,422; published Dec. 3, 1946.

Gowns, slips, panties, etc., Women's night. Asha Lingerie Company. 428,098; Mar. 11; Serial No. 493,096; published Dec. 3, 1946.

Hats and caps, Protective. E. W. Bullard. 217,000; renewed Aug. 24, 1946. O. G. Mar. 11.

Hose. F. W. Woolworth Company. 428,197; Mar. 11; Serial No. 502,549; published Nov. 12, 1946.

Hosiery. J. A. Diack. 428,206; Mar. 11; Serial No. 503,503; published Dec. 17, 1946.

Hosiery, Women's. Artcraft Hosiery Company. 428,199; Mar. 11; Serial No. 502,733; published Nov. 19, 1946.

Jackets and coats, Men's, boys', and women's. David D. Doniger & Co., Inc. 428,207; Mar. 11; Serial No. 504,097; published Dec. 24, 1946.

Jackets, sport shirts, Sport. Bancroft Sportswear Inc. 428,198; Mar. 11; Serial No. 502,615; published Dec. 24, 1946.

Knitted sweaters and jackets, Children's. Infanta Knitting Mills. 428,110; Mar. 11; Serial No. 495,478; published July 23, 1946.

Outer garments for young men and boys. I. & L. Michaels. 428,182; Mar. 11; Serial No. 501,756; published Dec. 17, 1946.

Overcoats and topcoats, and suits, Men's. J. M. Klein. 428,196; Mar. 11; Serial No. 502,518; published Dec. 24, 1946.

Pajamas. TruVal Manufacturers, Inc. 428,205; Mar. 11; Serial No. 503,485; published Dec. 24, 1946.

Pants, work shirts, overalls, etc., Men's and boys' work. Carwood Manufacturing Company. 428,166; Mar. 11; Serial No. 500,857; published Dec. 17, 1946.

Raincoats, rain hats, and rain capes. Aquatogs, Inc. 428,201; Mar. 11; Serial No. 502,934; published Dec. 17, 1946.

Shirts, and knitted sweaters, Women's knitted tee. Manchester Knitted Fashions, Inc. 428,194; Mar. 11; Serial No. 502,310; published Dec. 24, 1946.

Shirts and sportshirts, Negligee. TruVal Manufacturers, Inc. 428,203; Mar. 11; Serial No. 503,483; published Dec. 24, 1946.

Socks, Foot. Sarfert Hosiery Mills, Inc. 428,195; Mar. 11; Serial No. 502,465; published Nov. 12, 1946.

Sportswear. TruVal Manufacturers, Inc. 428,204; Mar. 11; Serial No. 503,484; published Dec. 24, 1946.

Sportswear, Misses' and juniors'. Coill-Shuman Co. 428,200; Mar. 11; Serial No. 502,884; published Dec. 3, 1946.

Suits, coats, skirts, etc., Women's. Ginet, Inc. 428,193; Mar. 11; Serial No. 502,287; published Dec. 17, 1946.

Suits, jackets, and skirts, Ladies'. Jack Baker Sportswear Co. Inc. 428,190; Mar. 11; Serial No. 502,056; published Dec. 17, 1946.

Sweaters. Cammart Knitwear, Inc. 428,202; Mar. 11; Serial No. 502,943; published Nov. 12, 1946.

Sweaters and outer shirts, Men's and boys'. Wolff Shirt Company. 428,183; Mar. 11; Serial No. 501,798; published Nov. 12, 1946.

Sweaters, hosiery, underwear, etc. Lyntone Company. 428,082; Mar. 11; Serial No. 488,273; published Mar. 12, 1946.

Sweaters, mufflers, and cotton basque shirts. Lord Jeff Knitting Company, Incorporated. 428,156; Mar. 11; Serial No. 500,399; published Nov. 12, 1946.

Underwear and pajamas for men. Narragansett Industries Corporation. 428,178; Mar. 11; Serial No. 501,525; published Dec. 24, 1946.

Vests, bloomers, panties, etc., Ladies' and children's knitted, cotton, silk, or rayon. Kingsboro Silk Mills, Inc. 428,181; Mar. 11; Serial No. 501,744; published Dec. 24, 1946.

CLASS 42

Blankets, Textile. Esmond Mills. 222,675; renewed Jan. 4, 1947. O. G. Mar. 11.

Table padding, Woven cotton, heat-resisting washable. John A. Bidwell Company, Inc. 223,959; renewed Feb. 15, 1947. O. G. Mar. 11.

CLASS 44

Diathermy machines. Liebel-Flarsheim Co. 428,218; Mar. 11; Serial No. 509,991; published Dec. 24, 1946.

Equipment used for the administration of anesthetic, resuscitation and therapeutic gases. Puritan Compressed Gas Corporation. 428,111; Mar. 11; Serial No. 495,502; published Dec. 24, 1946.

Sterilizers, Nursing bottle. Eastern-Sterilex Manufacturing Co. 428,217; Mar. 11; Serial No. 509,507; published Dec. 24, 1946.

Thermometers, Clinical. Associated Merchandising Corporation. 428,216; Mar. 11; Serial No. 508,461; published Dec. 24, 1946.

CLASS 45

Drink of orange and grape flavor, Soft. F. L. Lewis. 428,232; Mar. 11.

Root beer. M. A. Skelley. 428,246; Mar. 11.

CLASS 46

Biscuits. Strietmann Biscuit Company. 224,173; renewed Feb. 22, 1947. O. G. Mar. 11.

Candy drops, Hard. F & F Laboratories, Inc. 428,124; Mar. 11; Serial No. 497,081; published Dec. 17, 1946.

Canned fish. Kelley-Clarke Company. 428,070; Mar. 11; Serial No. 486,310; published Dec. 17, 1946.

Canned vegetables. Red Owl Stores, Incorporated. 222,063; renewed Dec. 21, 1946. O. G. Mar. 11.

Corn product, Thin, crisp strip or chip of salty hot-fat-cooked. G. S. Reed. 428,090–1; Mar. 11; Serial Nos. 491,462–3; published Dec. 17, 1946.

Feed and livestock feed, Dairy. P. C. Sheesley. 428,239; Mar. 11.

Feeds, Poultry and livestock. Flambeau Milling Co. 428,115; Mar. 11; Serial No. 496,228; published Dec. 17, 1946.

Flour, Wheat. Century Milling Co. 222,653; renewed Jan. 4, 1947. O. G. Mar. 11.

Fruit, Fresh citrus. Pacific Coast Fruit Distributors. 428,170; Mar. 11; Serial No. 501,139; published Dec. 17, 1946.

Malt extract. English Diastasic Malt Extract Company, Limited. 28,711; re-renewed Aug. 4, 1947. O. G. Mar. 11.

Rice. Rice Conversion Limited. 428,056–7; Mar. 11; Serial Nos. 472,257–8; published July 2, 1946.

Sandwiches. Blue Kitchens, Inc. 222,932; renewed Jan. 11, 1947. O. G. Mar. 11.

Sandwiches. Blue Kitchens, Inc. 224,100; renewed Feb. 15, 1947. O. G. Mar. 11.

Sirup and coffee extract, Coffee. Concordade Company, Inc. 428,088; Mar. 11; Serial No. 491,235; published July 2, 1946.

Vegetables, Fresh. United Farms Co. 428,168; Mar. 11; Serial No. 501,029; published Dec. 17, 1946.

CLASS 47

Claret in bottles. Compañia Vinicola del Norte de España. 52,478; re-renewed May 8, 1946. O. G. Mar. 11.

Wines. B. Cribari & Sons. 428,231; Mar. 11.

CLASS 48

Beer. Jos. Schlitz Brewing Company. 428,097; Mar. 11; Serial No. 492,589; published Dec. 3, 1946.

CLASS 49

Whiskey. Glenmore Distilleries Company. 428,122; Mar. 11; Serial No. 496,903; published Dec. 3, 1946.

Whiskey. Old Heaven Hill Springs Distillery. 428,089; Mar. 11; Serial No. 491,856; published Dec. 17, 1946.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 11TH DAY OF MARCH, 1947

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Bruen, George C., deceased, by S. E. Bruen, executrix, assignor, by mesne assignments, of thirty-five per cent to S. E. Bruen, Chicago, five per cent to E. V. Dickinson, Highland Park, nine per cent to S. M. Bullock, Wilmette, Ill., ten and one-half per cent to G. A. Stuart, Washington, D. C., two per cent to J. Fisher, Chicago, one per cent to M. Thoenen, Elmwood Park, one per cent to G. H. Fredericksen, Chicago, Ill., and one per cent to E. M. Thorsen, St. Joseph, Mo. Card filing equipment. Re. 22,850; Mar. 11.

Bruen, Sophie E., executrix, assignee, et al.: *See*—
Bruen, George C.

Bullock, Sarah M., assignee, et al.: *See*—
Bruen, George C.

Dickinson, Edna V., assignee, et al.: *See*—
Bruen, George C.

Fisher, Jay, assignee, et al.: *See*—
Bruen, George C.

Fredericksen, George H., assignee, et al.: *See*—
Bruen, George C.

Raytheon Manufacturing Company, assignee: *See*—
Spencer, Percy L.

Spencer, Percy L., West Newton, Mass., assignor, by mesne assignments, to Raytheon Manufacturing Company. Stem for electrical space discharge devices. Re. 22,851; Mar. 11.

Stuart, G. A., assignee, et al.: *See*—
Bruen, George C.

Thoenen, Marie, assignee, et al.: *See*—
Bruen, George C.

Thorsen, E. M., assignee, et al.: *See*—
Bruen, George C.

Swift, Willard E., Jr., Worcester, Mass. Antibacklash device. Re. 22,852; Mar. 11.

LIST OF DESIGN PATENTEES

Darvie, Bernard, New York, N. Y. Brooch or similar article. 146,443; Mar. 11.

Gallo, Frederick, Mineola, N. Y., assignor to K. Strotkemper and S. Riolo. Costume jewelry pin or similar article. 146,444; Mar. 11.

Hiltenbrand, Frank X., Weehawken, N. J., assignor to Harry Rosenfeld, Inc., New York, N. Y. Ornament for handbags or the like. 146,445; Mar. 11.

Howard, Viola T., Saylesville, R. I., assignor to Swank, Inc. Alphabet for forming monograms or similar article. 146,446; Mar. 11.

Industrial Tape Corporation, assignee: *See*—
Loewy, Raymond.

Kaesz, Stefan, Brooklyn, N. Y. Eyeglass frame or similar article. 146,447; Mar. 11.

Kinsley, Felix P., St. Louis, Mo. Finger ring. 146,448; Mar. 11.

Loewy, Raymond, New York, N. Y., assignor to Industrial Tape Corporation. Adhesive tape dispenser. 146,449; Mar. 11.

Ornot, Carl M. J., Charleroi, Pa. Combined cigarette container and ash tray. 146,450; Mar. 11.

Riolo, Salvatore, assignee, et al.: *See*—
Gallo, Frederick.

Rosenfeld, Harry, Inc., assignee: *See*—
Hiltenbrand, Frank X.

Schaefer, Oscar C., Racine, Wis. Fishing lure. 146,451; Mar. 11.

Schott, Bette C., New York, N. Y. Fabric or the like. 146,452; Mar. 11.

Schott, Bette C., New York, N. Y. Fabric or the like. 146,453; Mar. 11.

Siegel, Sidney, New York, N. Y. Dress. 146,454; Mar. 11.

Strotkemper, Karl, assignee, et al.: *See*—
Gallo, Frederick.

Swank, Inc., assignee: *See*—
Howard, Viola T.

Tellier, Andre, New York, N. Y. Combined clock face and map. 146,455; Mar. 11.

Walker, Jane, New York, N. Y. Dress. 146,456; Mar. 11.

Walker, Jane, New York, N. Y. Dress. 146,457; Mar. 11.

Walker, Jane, New York, N. Y. Dress. 146,458; Mar. 11.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 11TH DAY OF MARCH, 1947

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

- Adel Precision Products Corp., assignee: *See*—
  - Bell, Arthur A.
  - Eckel, Vincent W.
  - Eggert, Ronald E.
  - Eggert, Ronald E., and Brose.
  - Kremiller, Arthur E.
  - Morehouse, Eugene M.
  - Robertson, Archibald.
  - Van Der Werff, Jacob B.
- Aerojet Engineering Corporation, assignee: *See*—
  - Rutishauser, Hans.
- Air Reduction Company, Incorporated, assignee: *See*—
  - Van Nuys, Claude C.
- Aktiengesellschaft Brown, Boveri & Cie, assignee: *See*—
  - Thommen, Hans, and Halm.
- Albaugh, Maurice, Quincy, Ohio. Chimney coping. 2,417,039; Mar. 11.
- Alexander, Arthur F., Cleveland, Ohio. Variable speed belt drive. 2,417,047; Mar. 11.
- Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Electric computer. 2,417,229; Mar. 11.
- Allied Control Company, Inc., assignee: *See*—
  - Horman, John H.
- Allis-Chalmers Manufacturing Company, assignee: *See*—
  - Strehlow, Walter F.
- Almberg, Carl A.: *See*—
  - Almberg, Gustave and C. A.
- Almberg, Gustave and C. A., Joliet, Ill. Plural discharge assistant dispensing machine. 2,417,284; Mar. 11.
- Aluminum Plant & Vessel Company, The, assignee: *See*—
  - Dummett, George A. and Ralph.
- Alvarez, Octavio J., assignor to Alvarez Patent Corporation, New York, N. Y. Landing gear. 2,417,340; Mar. 11.
- Alvarez Patent Corporation, assignee: *See*—
  - Alvarez, Octavio J.
- American Chemical Paint Company, assignee: *See*—
  - Snyder, Eugene.
- American Cyanamid Company, assignee: *See*—
  - Northey, Elmore H.
  - Park, Robert H., and Dixon.
- American Hoist & Derrick Co., assignee: *See*—
  - Hite, Joseph J.
- American Manganese Corporation, assignee: *See*—
  - Mitchell, Thomas A. and D. C.
- American Paper Bottle Company, The, assignee: *See*—
  - Cope, George.
- American Steel Foundries, assignee: *See*—
  - Cottrell, Robert B.
- American Viscose Corporation, assignee: *See*—
  - Denyssen, Ivanhoe P., and Stanley.
- Antonio, Adolph L., Baton Rouge, La., assignor, by mesne assignments, to Jasco, Incorporated. Separation and segregation of a material from a liquid mixture by means of a solvent. 2,417,048; Mar. 11.
- Apco Mossberg Company, assignee: *See*—
  - Storrie, William.
- Arant, Perry, assignor to Clayton Manufacturing Company, Alhambra, Calif. Fuel pressure control and ignition check for burners. 2,417,341; Mar. 11.
- Arciszewski, Frank J.: *See*—
  - Morrison, James S., and Arciszewski.
- Armstrong Cork Company, assignee: *See*—
  - Green, Clarence C.
- Arnest, Harry L., Arlington, Va. Razor blade conditioner. 2,417,040; Mar. 11.
- Aro Equipment Corporation, The, assignee: *See*—
  - Satterlee, Howard A.
- Attorney General of the United States: *See*—
  - Ratie, Rene J.
  - Richou, Maxime J.
- Ayers, George W., Chicago, D. M. Barton, Elmwood Park, and E. E. Harton, Evanston, assignors to The Pure Oil Company, Chicago, Ill. Removal of sulfur compounds from hydrocarbon oils. 2,417,041; Mar. 11.
- Babcock & Wilcox Company, assignee: *See*—
  - Bailey, Ervin G., and Dickey.
- Bach, Loyal M., Burbank, Calif., assignor, by mesne assignments, to Lockheed Aircraft Corporation. Combined drop tank and demolition bomb. 2,417,342; Mar. 11.
- Bailey, Ervin G., Easton, Pa., and P. S. Dickey, East Cleveland, Ohio, assignors, by mesne assignments, to The Babcock & Wilcox Company, New York, N. Y. Control system. 2,417,049; Mar. 11.
- Bailey Meter Company, assignee: *See*—
  - Woolley, Rew E.
- Baker, William H., Boston, Mass. Race plate of looms. 2,417,285; Mar. 11.
- Baluk, Waldemar, Norquay, Saskatchewan, Canada. Envelope. 2,417,050; Mar. 11.
- Banker, Oscar H., Evanston, assignor to New Products Corporation, Chicago, Ill. Change-speed transmission and control therefor. 2,417,051; Mar. 11.
- Barch, William E., Freeport, assignor to Standard Brands Incorporated, New York, N. Y. Production of tartaric acid. 2,417,230; Mar. 11.
- Bardons and Oliver, Inc., assignee: *See*—
  - Kylin, Oskar and H. O., and Valentino.
- Barr & Stroud, Limited, assignee: *See*—
  - Strang, John M.
- Barrett, Charles D., Altoona, Pa. Steam locomotive boiler. 2,417,343; Mar. 11.
- Barrett, Gerald R., Winchester, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Coating composition. 2,417,344; Mar. 11.
- Bartels, Arnold H., Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation. Multivibrator. 2,417,286; Mar. 11.
- Barton, Daniel M.: *See*—
  - Ayers, George W., Barton, and Harton.
- Baton, Elaine, Chicago, Ill. Sewing frame. 2,417,149; Mar. 11.
- Baumwoll-Spinnerei & Weberei Wettingen, assignee: *See*—
  - Lanz, Adolf.
- Bazzoni, Lewis J., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoemaking. 2,417,042; Mar. 11.
- Beebe, Claud R., Inkster, Mich. Cupola. 2,417,345; Mar. 11.
- Bell, Arthur A., Santa Monica, Calif., assignor to Adel Precision Products Corp. Safety control device for closed hydraulic systems. 2,417,231; Mar. 11.
- Bell, Chauncey F., Jr.: *See*—
  - Taylor, Thomas L., and Bell.
- Bell Telephone Laboratories, Incorporated, assignee: *See*—
  - Farkas, Francis S.
  - Hickman, Clarence N.
  - Windeler, Alfred S.
- Belo, João M., Beira, Portuguese East Africa. Steering gear for trailers. 2,417,287; Mar. 11.
- Bendix Aviation Corporation, assignee: *See*—
  - Goepfrich, Rudolph A.
  - Hargreaves, William.
  - Peterson, Robert H.
- Benioff, Hugo, La Canada, Calif., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. High-frequency spark circuit. 2,417,052; Mar. 11.
- Berg, Hazel A., assignee, et al.: *See*—
  - Lowe, Richard R.
- Bernard, Clyde W., Kingsport, Tenn. Dump bedbucket. 2,417,288; Mar. 11.
- Berry, Ernest A., Inglewood, Calif. Sine bar. 2,417,150; Mar. 11.
- Birt, Dannie D., Guyman, Okla. Grain loader. 2,417,186; Mar. 11.
- Bisso, Nino, New York, and L. J. Gifford, Valley Stream, N. Y. Adjustable band. 2,417,289; Mar. 11.
- Blewett, Stephen E., and T. A. Gaffney, Pasadena, Calif., assignors of one-half to S. N. and R. N. Blewett. Illuminated weather map. 2,417,043; Mar. 11.
- Blewett, Robert N., assignee: *See*—
  - Blewett, Stephen E., and Gaffney.
- Blewett, Stephen N., assignee, et al.: *See*—
  - Blewett, Stephen E., and Gaffney.
- Blomgren, Oscar C., Evanston, Ill. Microscope. 2,417,044; Mar. 11.
- Boardman, Harry C., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Support for spherical container. 2,417,053; Mar. 11.
- Bohall, Earle C., Oklahoma City, Okla., and W. R. Bohall, Seattle, Wash. Hydraulic pulsator transmission and control system. 2,417,232; Mar. 11.
- Bohall, Wallace R.: *See*—
  - Bohall, Earle C. and W. R.
- Bond, George R., Jr., Paulsboro, N. J., assignor to Houdry Process Corporation, Wilmington, Del. Catalysis. 2,417,054; Mar. 11.
- Booth, James H., Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Variable ratio steering assembly. 2,417,073; Mar. 11.

- Borgelt, Elmer H., Dayton, Ohio. Rope splicing tool. 2,417,055; Mar. 11.
- Bossard, Werner: *See*—
  - Krebser, Adolf, Bossard, and Hindermann.
- Bourquin, Jean-Pierre: *See*—
  - Schnider, Otto, Bourquin, and Grussner.
- Bowen, Norman E., Seattle, Wash. Coin operated device. 2,417,056; Mar. 11.
- Boyer, Robert Q.: *See*—
  - Craig, Roderick, and Boyer.
- Brauns, Friedrich E., and I. A. Pearl, assignors, by mesne assignments, to Sulphite Products Corporation, Appleton, Wis. Degradation treatment of lignin material. 2,417,346; Mar. 11.
- Brewer, Oscar Z., Spokane, Wash., assignor of one-half to H. H. McNeill Lumber Co., Inc., New York, N. Y. Cushioned receptacle and carboy therein. 2,417,045; Mar. 11.
- Brian, Percy W.: *See*—
  - Lean, Owen B., and Brian.
- Britton, Edgar C., and J. N. Hansen, assignors to The Dow Chemical Company, Midland, Mich. Sulfonium compounds. 2,417,057; Mar. 11.
- Brooks, Lester A., Stamford, Vt., and M. Markarian, assignors to Sprague Specialties Company, North Adams, Mass. Synthesis of alkylated pyrrole compounds. 2,417,046; Mar. 11.
- Brose, Leonard C.: *See*—
  - Eggert, Ronald E., and Brose.
- Brown, George H., Princeton, N. J., assignor to Radio Corporation of America. Antenna system. 2,417,290; Mar. 11.
- Brown, Thomas T., Laguna Beach, Calif., assignor, by mesne assignments, to Lockheed Aircraft Corporation. Vibration damper. 2,417,347; Mar. 11.
- Bruson, Herman A., Rydal, and W. D. Niederhauser and H. Iserson, assignors to The Resinous Products & Chemical Company, Philadelphia, Pa. Unsaturated bicyclic glycols. 2,417,100; Mar. 11.
- Budd, Edward G., Manufacturing Company, assignee: *See*—
  - Whitesell, John C., Jr.
- Buford, William J., Houston, Tex. Window wind brace. 2,417,233; Mar. 11.
- Bush, Rankin J.: *See*—
  - Hewitt, Ellis E., Bush, and Glass.
- Buzzell, Maurice E., Mahtomedi, and G. W. Swenson, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Roofing granules and producing the same. 2,417,058; Mar. 11.
- Byron Jackson Co., assignee: *See*—
  - Mullinix, Gird E.
- Calfee, John D., Manhasset, N. Y., and L. B. Smith, Woodbridge, N. J., assignors to General Chemical Company, New York, N. Y. Production of dichlorodifluoromethane. 2,417,059; Mar. 11.
- Callaway, John R., Teaneck, N. J., assignor to The Texas Company, New York, N. Y. Catalytic isomerization of saturated hydrocarbons in the presence of an aluminum halide-hydrocarbon complex saturated with aluminum halide. 2,417,187; Mar. 11.
- Calow, Andreas F. O., Albany, N. Y. Tool setting height gauge. 2,417,234; Mar. 11.
- Campbell, Donald L.: *See*—
  - Thompson, William I., and Campbell.
- Campbell, Rouel R., Patten, Maine, assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for coating heels. 2,417,102; Mar. 11.
- Campbell, Thomas P., Denver, Colo. Titaniferous magnetite treatment. 2,417,101; Mar. 11.
- Cannon, George E., Houston, Tex., assignor to Standard Oil Development Company. Drilling fluid. 2,417,235; Mar. 11.
- Capstaff, John G., assignor to Eastman Kodak Company, Rochester, N. Y. Apparatus and process for motion-picture color photography. 2,417,060; Mar. 11.
- Carney, Thomas P.: *See*—
  - Cislak, Francis E., and Carney.
- Carter, Charles E., Kansas City, Mo., assignor to Phillips Petroleum Company. Lining catalyst chamber. 2,417,348; Mar. 11.
- Cato, Artie Q., Houston, G. Wash, Galveston, and A. J. Shmidl, Houston, Tex., assignors to Standard Oil Development Company. Heating oil. 2,417,236; Mar. 11.
- Challenger Corporation, assignee: *See*—
  - West, Maxwell A. and G. E.
- Chandler, Edward F., Brooklyn, N. Y. Cooling system for internal combustion engines. 2,417,237; Mar. 11.
- Chemical Construction Corporation, assignee: *See*—
  - Titlestad, Nicolay.
- Chemical Laboratories, Inc., assignee: *See*—
  - Whitner, Thomas C.
- Chicago Bridge & Iron Company, assignee: *See*—
  - Boardman, Harry C.
- Chilcot, Arthur L., Timperely, S. Jackson, Chadderton, and F. W. Taylor, Oldham, England. Mounting of electrodes in electric discharge tubes. 2,417,061; Mar. 11.
- Christ, Robert E., Elizabeth, and B. M. Marks, Newark, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerization of alpha-methylene monocarboxylic acid esters. 2,417,238; Mar. 11.
- Cislak, Francis E., and T. P. Carney, assignors to Reilly Tar & Chemical Corporation, Indianapolis, Ind. Separating tar acids from tar. 2,417,291; Mar. 11.
- Clark, Robert G., London, England, assignor to The Hartford National Bank and Trust Company, Hartford, Conn., trustee. Variable inductance. 2,417,188; Mar. 11.
- Clayton Manufacturing Company, assignee: *See*—
  - Arant, Perry.
  - Griswold, Donald G.
- Coake, Charles F., Indianapolis, assignor to Senn Corporation, New Augusta, Ind. System for checking contours. 2,417,062; Mar. 11.
- Coake, Charles F., Indianapolis, assignor to Senn Corporation, New Augusta, Ind. Microlimit indicating system. 2,417,292; Mar. 11.
- Cohn, Henry, Detroit, Mich. Gas-fired unit heater. 2,417,103; Mar. 11.
- Colbaugh, Samuel G., Kilgore, Tex. Pump seal assembly. 2,417,349; Mar. 11.
- Cold Metal Products Company, The, assignee: *See*—
  - Cooper, David P.
- Colgate-Palmolive-Peet Company, assignee: *See*—
  - Gebhart, Arthur I., and Ross.
- Collaud, Charles, Geneva, Switzerland, assignor to Givaudan-Delawanna Inc., New York, N. Y. Composition of matter with a scent of ambrettolide and making same. 2,417,151; Mar. 11.
- Collins, Bessie M., executrix: *See*—
  - Collins, Donald B.
- Collins, Donald B., deceased, by B. M. Collins, Houston, Tex., executrix, assignor to Shell Development Company, San Francisco, Calif. Oil well screen. 2,417,152; Mar. 11.
- Conroy, Charles L., Libertyville, Ill. Manufacture of an adaptor union. 2,417,350; Mar. 11.
- Consolidated Engineering Corporation, assignee: *See*—
  - Wilcox, Doyle E.
- Cooper, David P., assignor, by mesne assignments, to The Cold Metal Products Company, Youngstown, Ohio. Rotating annular hearth annealing furnace. 2,417,063; Mar. 11.
- Cope, George, Detroit, Mich, assignor to The American Paper Bottle Company, Toledo, Ohio. Container. 2,417,104; Mar. 11.
- Cornelius Aircraft Corporation, The, assignee: *See*—
  - Cornelius, George W.
- Cornelius, George W., assignor to The Cornelius Aircraft Corporation, Dayton, Ohio. Tailless airplane. 2,417,189; Mar. 11.
- Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Car truck. 2,417,391; Mar. 11.
- Courtaulds Limited, assignee: *See*—
  - MacGregor, James H.
- Courtney, Edward J., Oaklyn, N. J. Spinning roll for spinning and drawing frames. 2,417,239; Mar. 11.
- Covington, James D., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Hydrofluoric acid resistant packing material. 2,417,351; Mar. 11.
- Cox, Claude E., Detroit, Mich. Flowmeter. 2,417,352; Mar. 11.
- Cox, George C., Charleston, W. Va. Rust-inhibiting coating composition. 2,417,064; Mar. 11.
- Cox, Harold L., assignee, et al.: *See*—
  - Gregoire, Resta S.
- Cragin, Inez I., assignee: *See*—
  - Richards, John J.
- Craig, Roderick, and R. Q. Boyer, Berkeley, Calif. Torsion balance. 2,417,392; Mar. 11.
- Crane, Charles R., II, Chicago, and A. Mueller, Berwyn, assignors to Crane Co., Chicago, Ill. Valve actuating mechanism. 2,417,353; Mar. 11.
- Crane Co., assignee: *See*—
  - Crane, Charles R., II, and Mueller.
- Crawford, Marie T.: *See*—
  - Richards, Harvey B., and Crawford.
- Crom, John M., Washington, D. C. Concrete wall under compression provided with an opening. 2,417,190; Mar. 11.
- Crompton & Knowles Loom Works, assignee: *See*—
  - Darwin, Clifford.
- Crumrine, Chester W., assignor to Eastman Kodak Company, Rochester, N. Y. Roll holding camera. 2,417,240; Mar. 11.
- D'Alelio, Gaetano F., assignor to Pro-phy-lac-tic Brush Company, Northampton, Mass. Molecularly oriented copolymers of acrylonitrile, a vinyl aryl compound, and acrylic esters or vinyl ethers. 2,417,293; Mar. 11.
- D'Alelio, Gaetano F., assignor to Pro-phy-lac-tic Brush Company, Northampton, Mass. Preparing molecularly oriented copolymerizates of acrylonitrile and other mono-ethylenic monomers. 2,417,294; Mar. 11.
- Daly, George F., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Projection apparatus for bombardier training apparatus. 2,417,354; Mar. 11.
- Darr, Harold W., assignor to The Maico Company, Incorporated, Minneapolis, Minn. Resilient mounting for microphones. 2,417,153; Mar. 11.

- Darwin, Clifford, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Shuttle check for looms. 2,417,295; Mar. 11.
- Dath, George E., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber. 2,417,154; Mar. 11.
- Degering, Edward F.: *See*—
  - Spence, John A., and Degering.
- Denyssen, Ivanhoe P., Yeadon, and R. W. Stanley, Drexel Hill, Pa., assignors to American Viscose Corporation, Wilmington, Del. Cleaning and washing machine. 2,417,241; Mar. 11.
- De Swart, Jan, Los Angeles, Calif., assignor, by mesne assignments, to Shellmar Products Corporation, Mount Vernon, Ohio. Lipstick holder. 2,417,155; Mar. 11.
- Devoe & Raynolds Company, Inc., assignee: *See*—
  - Scott, Lawrence K.
- Diagraph-Bradley Stencil Machine Corporation, assignee: *See*—
  - Magann, Merritt W., and McElvain.
- Dickey, Paul S.: *See*—
  - Bailey, Ervin G., and Dickey.
- Dickson, James T., Los Angeles, Calif. Fluid actuated brake. 2,417,156; Mar. 11.
- Dikstaal, Simon A., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., trustee. Low-frequency amplifier circuits. 2,417,296; Mar. 11.
- Dintelmann, George C.: *See*—
  - Silk, Charles E., and Dintelmann.
- Dixon, James K.: *See*—
  - Park, Robert H., and Dixon.
- Dixon, Paul H., Wenham, and J. R. Ioannilli, Boston, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Sole attaching with thermoplastic cement. 2,417,065; Mar. 11.
- Dominion Electrical Manufacturing, Inc., assignee: *See*—
  - Hanner, George E.
  - Jordan, Richard H.
- Douglas, George R., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Stabilizing apparatus. 2,417,066; Mar. 11.
- Dow Chemical Company, The, assignee: *See*—
  - Britton, Edgar C., and Hansen.
- Dummett, George A., and S. J. Ralph, London, assignors to The Aluminum Plant & Vessel Company, Wandsworth, London, England. Distillation of hydrocarbons with addition of acetone-methyl alcohol. 2,417,355; Mar. 11.
- Du Pont, E. I., de Nemours & Company, assignee: *See*—
  - Christ, Robert E., and Marks.
  - Farlow, Mark W., and Lazier.
  - Hull, Richard O., and Hoffman.
  - Schweikher, Ernest W.
- Du Pont, Edmund: *See*—
  - Mapes, Daniel, and du Pont.
- Duvall, Stanley A., Chicago, Ill. Kangaroo toy. 2,417,157; Mar. 11.
- Eastman Kodak Company, assignee: *See*—
  - Capstaff, John G.
  - Crumrine, Chester W.
  - Minsk, Louis M., and Unruh.
- Eckel, Vincent W., Tujunga, Calif., assignor to Adel Precision Products Corp. Plastic valve. 2,417,242; Mar. 11.
- Eggert, Ronald E., Burbank, Calif., assignor to Adel Precision Products Corp. Sheet metal nut. 2,417,243; Mar. 11.
- Eggert, Ronald E., and L. C. Brose, Burbank, Calif., assignors to Adel Precision Products Corp. Hanger for cables and the like. 2,417,244; Mar. 11.
- Eggert, Ronald E., and L. C. Brose, Burbank, Calif., assignors to Adel Precision Products Corp. Self-locking clip. 2,417,245; Mar. 11.
- Euler, Alfred R., New York, N. Y. Bell. 2,417,297; Mar. 11.
- Evans, Louis P.: *See*—
  - Simpson, Thomas P., Payne, and Evans.
- Evans, Louis P., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Apparatus for hydrocarbon reaction. 2,417,393; Mar. 11.
- Fairbanks, Morse & Co., assignee: *See*—
  - Schreck, Henry.
- Faralla, Raoul A., Long Branch, N. J. Telephone substation circuit. 2,417,067; Mar. 11.
- Farkas, Francis S., Forest Hills, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave transmission system. 2,417,069; Mar. 11.
- Farlow, Mark W., and W. A. Lazier, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalytic synthesis of vinyl cyanide. 2,417,068; Mar. 11.
- Farnsworth Television & Radio Corporation, assignee: *See*—
  - Bartels, Arnold H.
- Feild, Joseph L., Detroit, Mich. Rubbing, sanding, or polishing block. 2,417,356; Mar. 11.
- Ferguson, Alexander D., Michigan City, Ind., assignor to Joy Manufacturing Company. Valve mechanism. 2,417,246; Mar. 11.
- Finlay, Harry G.: *See*—
  - Nelsen, John A., and Finlay.
- First Industrial Corporation, assignee: *See*—
  - Kaminky, Oscar H.
- Fitch, John, Bloomfield, assignor to Standard Container, Inc., Montclair, N. J. End construction for paper containers. 2,417,298; Mar. 11.
- Fitzpatrick, W. L., Company, The, assignee: *See*—
  - Wagner, Harold H., and Magnus.
- Folkins, Hillis O., Skokie, assignor to The Pure Oil Company, Chicago, Ill. Cracking hydrocarbons in the presence of the halogen, bromine, and iodine, and a chlorinated unsaturated aliphatic organic compound. 2,417,105; Mar. 11.
- Ford Motor Company, assignee: *See*—
  - Rivard, Lawrence B., and Kroepel.
- Fox, Carl H., assignor of one-half to Southwest Airmotive Company, Love Field, Dallas, Tex. Airplane antenna automatic tuning system. 2,417,191; Mar. 11.
- Framhein, Herbert J., Chicago, Ill., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Lift truck. 2,417,394; Mar. 11.
- Framhein, Herbert J., Chicago, Ill., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Pallet truck. 2,417,395; Mar. 11.
- Framhein, Herbert J., Chicago, Ill., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Pallet truck. 2,417,396; Mar. 11.
- Francis, Oliver T., Renville, Minn. Electronic time indicating device. 2,417,070; Mar. 11.
- Fraser, James, assignor to Speakman Company, Wilmington, Del. Mixing valve. 2,417,158; Mar. 11.
- Freedman, Louis, Mount Vernon, and E. Green, New York, N. Y., assignors to U. S. Vitamin Corporation. Fat-soluble vitamin solutions. 2,417,299; Mar. 11.
- Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Decrease of organic fluorine compounds in hydrofluoric acid alkylation of hydrocarbons. 2,417,106 Mar. 11.
- Fuller, Frederic B., assignee: *See*—
  - Guibert, Francis W., and Fuller.
- Fuller, Scott A., Oakland, Calif. Drill rig. 2,417,247; Mar. 11.
- G. M. S. Corporation, assignee: *See*—
  - Sloan, Theodore H.
- Gaffney, Thomas A.: *See*—
  - Blewett, Stephen E., and Gaffney.
- Gamer, Israel A., Boston, Mass. Made-up bow tie. 2,417,159; Mar. 11.
- Garner, Herman H., assignee: *See*—
  - Russell, Kenneth F.
- Gebhart, Arthur I., Union, and J. Ross, Ramsey, assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Preparation of water-insoluble organic salts. 2,417,071; Mar. 11.
- Geigy, J. R., A. G., assignee: *See*—
  - Krebser, Adolf, Bossard, and Hindermann.
  - Martin, Henry, and Margot.
- General Chemical Company, assignee: *See*—
  - Calfee, John D., and Smith.
- General Electric Company, assignee: *See*—
  - Alexanderson, Ernst F. W.
  - Godet, Sidney.
  - Powell, Alric H.
  - Short, Thomas T.
- General Engineering Company (Canada) Limited, assignee: *See*—
  - Segsworth, Robert S.
- General Motors Corporation, assignee: *See*—
  - Kettering, Charles F.
  - Miller, Verle A., and Lovell.
  - Smith, Warren H.
  - Wright, Manfred G.
- General Tire & Rubber Company, The, assignee: *See*—
  - Thiry, Leon F.
  - Winkeljohn, Thomas H.
- Gifford, Lee J.: *See*—
  - Bisso, Nino, and Gifford.
- Givaudan-Delawanna Inc., assignee: *See*—
  - Collaud, Charles.
- Glass, William H.: *See*—
  - Hewitt, Ellis E., Bush, and Glass.
- Godet, Sidney, Albany, N. Y., assignor to General Electric Company. Pulse direction finder. 2,417,248; Mar. 11.
- Goepfrich, Rudolph A., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 2,417,192; Mar. 11.
- Goepfrich, Rudolph A., assignor to Bendix Aviation Corporation, South Bend, Ind. Automatically adjusting brake. 2,417,193; Mar. 11.
- Goodall-Sanford, Inc., assignee: *See*—
  - Nutter, William S.
- Graham, Matthew P., Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Variable ratio steering gear. 2,417,072; Mar. 11.
- Graham, Matthew P., Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Tie rod socket bearing. 2,417,160; Mar. 11.
- Green, Clarence C., Manheim Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Counting device. 2,417,074; Mar. 11.
- Green, Edward: *See*—
  - Freedman, Louis, and Green.

- Greene, Chester W., Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Muzzle cover operating mechanism for guns. 2,417,300; Mar. 11.
- Gregoire, Resta S., assignor of twenty per cent to H. L. Cox and twenty per cent to J. J. Thornton, Jr., Detroit, Mich. Oil seal. 2,417,107; Mar. 11.
- Griswold, Donald G., assignor to Clayton Manufacturing Company, Alhambra, Calif. Anti-siphon valve. 2,417,357; Mar. 11.
- Griswold, Owen H., Trenton, N. J., assignor of one-half to Kaiser Fleetwings, Inc., and one-half to The Glenn L. Martin Company, Baltimore, Md. Constant volume connection for fluid conduits. 2,417,249; Mar. 11.
- Grose, Parlee C., McComb, Ohio. Aircraft utilizing magnus effect. 2,417,358; Mar. 11.
- Gross, Herman, Detroit, Mich. Fan. 2,417,194; Mar. 11.
- Grüssner, André: *See*—
  - Schnider, Otto, Bourquin, and Grüssner.
- Guibert, Francis W., Beverly Hills, and F. B. Fuller, Whittier, Calif.; said Fuller assignor to said Guibert. Meter seal and stop mechanism. 2,417,108; Mar. 11.
- Guyer, Jesse A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Carbon removal regenerative gas requirements in catalyst reactivation. 2,417,359; Mar. 11.
- Halm, Alfred: *See*—
  - Thommen, Hans, and Halm.
- Hanner, George E., Mansfield, Ohio, assignor to Dominion Electrical Manufacturing, Inc. Push button switching apparatus. 2,417,161; Mar. 11.
- Hansen, John N.: *See*—
  - Britton, Edgar C., and Hansen.
- Hargreaves, William, Bergenfield, assignor to Bendix Aviation Corporation, Teterboro, N. J. Snap-ring secured, divided motor casing. 2,417,195; Mar. 11.
- Hart, Kenneth V., Cleveland, Ohio. Welding apparatus. 2,417,075; Mar. 11.
- Hartford National Bank and Trust Company, The, assignee, trustee: *See*—
  - Clark, Robert G.
  - Dikstaal, Simon A.
- Hartley, Emmett C.: *See*—
  - Hull, Henry E., and Hartley.
- Hartley, Emmett C., and H. L. Ivins, assignor to The Parker Appliance Company, Cleveland, Ohio. Machine for testing helical compression springs. 2,417,196; Mar. 11.
- Harton, Erskine E.: *See*—
  - Ayers, George W., Barton, and Harton.
- Harvey, Elwood C., assignor to J. W. Harvey, Thorndale, Pa. Shoe tree. 2,417,109; Mar. 11.
- Harvey, George W., Glenburn, assignor to Solar Aircraft Company, San Diego, Calif. Flexible joint. 2,417,250; Mar. 11.
- Harvey, J. Willard, assignee: *See*—
  - Harvey, Elwood C.
- Hayes, Albert N., assignor to G. C. McCullough, Birmingham, Ala. Process and apparatus for producing lightweight slag. 2,417,301; Mar. 11.
- Heintzelman, Leo A., Grand Rapids, Mich. Valve core remover. 2,417,360; Mar. 11.
- Hemminger, Charles E., Westfield, N. J., assignor to Standard Oil Development Company. Alkylation process. 2,417,251; Mar. 11.
- Hercules Powder Company, assignee: *See*—
  - Rummelsburg, Alfred L.
- Herzog, Carl, Belleville, N. J. Apparatus for producing cold cathode fluorescent lamps or the like. 2,417,361; Mar. 11.
- Hewitt, Ellis E., Edgewood, R. J. Bush, Jeannette, and W. H. Glass, Wilkinsburg, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Air compressor apparatus. 2,417,197; Mar. 11.
- Heyl, Edward B., New York, N. Y. Fuel tank and gauge selector. 2,417,362; Mar. 11.
- Hickman, Clarence N., Jackson Heights, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. High-speed camera. 2,417,076; Mar. 11.
- Hillier, James, Cranbury, N. J., assignor to Radio Corporation of America. Electron microscope specimen. 2,417,110; Mar. 11.
- Hindermann, Peter: *See*—
  - Krebser, Adolf, Bossard, and Hindermann.
- Hindmarch, Thomas, London, S. W. 1, England. Power drive. 2,417,198; Mar. 11.
- Hinds, Reinhard P. H., Petts Wood, England. Motor head lamp plastic casing. 2,417,162; Mar. 11.
- Hite, Joseph J., assignor to American Hoist & Derrick Co., St. Paul, Minn. Manually operated hoist. 2,417,199; Mar. 11.
- Hoffman, Raymond A.: *See*—
  - Hull, Richard O., and Hoffman.
- Hoffmann-La Roche, Inc., assignee: *See*—
  - Schnider, Otto, Bourquin, and Grüssner.
- Holley, Earl, assignee, et al.: *See*—
  - Holley, George M., Jr.
  - Kittler, Milton J., and Seborn.
- Holley, George M., assignee, et al.: *See*—
  - Holley, George M., Jr.
  - Kittler, Milton J., and Seborn.

- Holley, George M., Jr., Grosse Pointe, Mich., assignor to G. M. and E. Holley. Supercharger control. 2,417,363; Mar. 11.
- Hoover, Herbert, Jr., Sierra Madre, assignor, by mesne assignments, to United Geophysical Company, Inc., Pasadena, Calif. Seismometer. 2,417,077; Mar. 11.
- Horman, John H., Tuckahoe, assignor, by mesne assignments, to Allied Control Company, Inc., New York, N. Y. Switch. 2,417,200; Mar. 11.
- Horst, Tallmon E., Des Plaines, Ill. Coding and decoding apparatus. 2,417,163; Mar. 11.
- Horton, Francis, assignor to The Texas Company, New York, N. Y. Isomerising saturated low boiling feed hydrocarbons. 2,417,201; Mar. 11.
- Houdry Process Corporation, assignee: *See*—
  - Bond, George R., Jr.
- Huber, Harold E., Jr., Louisville, Ky., assignor to Standard Oil Company, Chicago, Ill. Hydrocarbon synthesis. 2,417,164; Mar. 11.
- Hull, Henry E., and E. C. Hartley, assignors to The Parker Appliance Company, Cleveland, Ohio. Machine for beading or flanging tubes. 2,417,202; Mar. 11.
- Hull, Richard O., Lakewood, and R. A. Hoffman, Euclid, Ohio, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Electroplating nickel. 2,417,203; Mar. 11.
- Hunt, Leslie E., Bay City, Mich. Lamp protector. 2,417,364; Mar. 11.
- Huye, Joseph G., New Orleans, La. Chick box. 2,417,302; Mar. 11.
- I-T-E Circuit Breaker Company, assignee: *See*—
  - Scott, William M., Jr.
- Imperial Chemical Industries Limited, assignee: *See*—
  - Lean, Owen B., and Brian.
  - Smith, Arthur E. W., and Scaife.
- International Business Machines Corporation, assignee: *See*—
  - Daly, George F.
  - Luhn, Hans P.
- Ioannilli, Joseph R.: *See*—
  - Dixon, Paul H., and Ioannilli.
- Iserson, Hyman: *See*—
  - Bruson, Herman A., Niederhauser, and Iserson.
- Ivins, Herbert L.: *See*—
  - Hartley, Emmett C., and Ivins.
- Jackson, Sidney: *See*—
  - Chilcot, Arthur L., Jackson, and Taylor.
- Jacobs, Ruth M., assignee, et al.: *See*—
  - Lowe, Richard R.
- Jacobson, Victor, Hastings on Hudson, N. Y. Extrusion apparatus and method. 2,417,165; Mar. 11.
- James, A. Leslie, Jr., assignee: *See*—
  - Smith, Putnam M.
- Jasco, Incorporated, assignee: *See*—
  - Antonio, Adolph L.
  - Sparks, William J., and Kellog.
- Jeoffroy, Roy, Perryton, Tex. Portable grain elevator. 2,417,111; Mar. 11.
- Jodoin, Edward A., Springfield, Mass. Soap dish construction. 2,417,365; Mar. 11.
- Johnson, Albert, New York, N. Y. Tension equalizing device. 2,417,252; Mar. 11.
- Johnson, Almon A., Forest Hills, N. Y. Towing winch. 2,417,166; Mar. 11.
- Johnston, James A., Richmond, Va. Lock. 2,417,167; Mar. 11.
- Jones, Frederick M., assignor to U. S. Thermo Control Co., Minneapolis, Minn. Two-cycle gas engine. 2,417,253; Mar. 11.
- Jones, Wallace T., New York, assignor to Rockwood & Co., Brooklyn, N. Y. Disc type shell cracking apparatus for cocoa beans. 2,417,078; Mar. 11.
- Jordan, Richard H., Mansfield, Ohio, assignor to Dominion Electrical Manufacturing, Inc. Fan gear assembly. 2,417,303; Mar. 11.
- Joy Manufacturing Company, assignee: *See*—
  - Ferguson, Alexander D.
- Kaiser Fleetwings, Inc., assignee, et al.: *See*—
  - Griswold, Owen H.
- Kalnitz, Joseph, Buffalo, N. Y. Parachute harness. 2,417,168; Mar. 11.
- Kalva Venders, Inc., assignee: *See*—
  - Larimore, Harvey T.
- Kaminky, Oscar H., Freeport, Ill., assignor, by mesne assignments, to First Industrial Corporation, Wilmington, Del. Snap switch. 2,417,169; Mar. 11.
- Kavanaugh, Edmund V., Detroit, Mich. Sinuous loop conductor. 2,417,079; Mar. 11.
- Kellog, Henry B.: *See*—
  - Sparks, William J., and Kellog.
- Kelly, Andrew W., Bristol, assignor to The Sessions Clock Company, Forestville, Conn. Synchronous electric alarm-clock mechanism. 2,417,254; Mar. 11.
- Kettering, Charles F., assignor to General Motors Corporation, Detroit, Mich. Electrical control system. 2,417,112; Mar. 11.
- Kibbee, C. Merton, assignor to The Osborn Manufacturing Company, Cleveland, Ohio. Rotary brush. 2,417,113; Mar. 11.
- Kilham, Peter, Attleboro, Mass. Mechanical movement for indicators. 2,417,114; Mar. 11.

Kinnard, Frank M., Sebring, Ohio. Clay spreader. 2,417,255; Mar. 11.
Kittler, Milton J., and C. F. Schorn, Detroit, Mich., assignors to G. M. and E. Holley. Mixture control device. 2,417,304; Mar. 11.
Klamfoth, John B.: *See—*
  Lisle, John T., and Klamfoth.
Knowles, Edwin C., G. C. McCoy, and J. A. Patterson, Beacon, assignors, by mesne assignments, to The Texas Company, New York, N. Y. Lubricating oil and lubricating. 2,417,305; Mar. 11.
Krebser, Adolf, Riehen, near Basel, W. Bossard, and P. Hindermann, assignors to J. R. Geigy A. G., Basel, Switzerland. Metallizable polyazo dyes from benzidine intermediates. 2,417,306; Mar. 11.
Kremiller, Arthur E., Glendale, Calif., assignor to Adel Precision Products Corp. Compensator-accumulator unit for hydraulic systems. 2,417,256; Mar. 11.
Kroepel, Herman C.: *See—*
  Rivard, Lawrence B., and Kroepel.
Kylin, Henrik O.: *See—*
  Kylin, Oskar and H. O., and Valentino.
Kylin, Oskar and H. O., and M. L. Valentino, Cleveland Heights, assignors to Bardons and Oliver, Inc., Cleveland, Ohio. Power indexing mechanism. 2,417,366; Mar. 11.
Landis Machine Company, assignee: *See—*
  Smith, Nevin B.
Langfelder, Otto, New York, N. Y. Single driven-shaft combined boring and reciprocable-saw machine. 2,417,170; Mar. 11.
Lanz, Adolf, Wettingen-Damsau, assignor to Baumwoll-Spinnerei & Weberei Wettingen, Wettingen, Switzerland. Production of weaving effects by variable warp tensioning means. 2,417,204; Mar. 11.
Larimore, Harvey T., Congress Park, assignor to Kalva Venders, Inc., Chicago, Ill. Coin controlled mechanism. 2,417,205; Mar. 11.
Larison Compensating Axle Corporation, assignee: *See—*
  Larison, Glenn L.
Larison, Glenn L., La Grande, Oreg., assignor to Larison Compensating Axle Corporation. Vehicle wheel suspension. 2,417,206; Mar. 11.
Larsen, Delmar H., assignor to National Lead Company, Los Angeles, Calif. Well drilling fluid base material and process. 2,417,307; Mar. 11.
Lazier, Wilbur A.: *See—*
  Farlow, Mark W., and Lazier.
Leach, Earl G., Wellington, Kans. Signal flag for railway trains or the like. 2,417,367; Mar. 11.
Lean, Owen B., Windsor, and P. W. Brian, Wokingham, England, assignors to Imperial Chemical Industries Limited. Immunizing of seed from pest attack. 2,417,115; Mar. 11.
Lee, Milton W., Palos Verdes Estates, assignor to Union Oil Company of California, Los Angeles, Calif. Desulfurization and hydroforming. 2,417,308; Mar. 11.
Lisle, John T., and J. B. Klamfoth, Lithopolis, Ohio. Hay baler. 2,417,309; Mar. 11.
Little, Frederick B., Chicago, Ill. Mechanism for controlling electric circuits. 2,417,368; Mar. 11.
Lochhead, John L., Springfield, Mass., assignor to United States of America, as represented by the Secretary of War. Cartridge feed system. 2,417,080; Mar. 11.
Lockheed Aircraft Corporation, assignee: *See—*
  Bach, Loyal M.
  Brown, Thomas T.
Lovell, Wheeler G.: *See—*
  Miller, Verle A., and Lovell.
Lovstrom, Nils T., Malden, Mass. Drill grinding tool. 2,417,116; Mar. 11.
Lowe, Beatrice M., assignee, et al.: *See—*
  Lowe, Richard R.
Lowe, Clifford O., assignee, et al.: *See—*
  Lowe, Richard R.
Lowe, Richard R., San Francisco, Calif., assignor to B. M. Lowe, R. M. Jacobs, C. O. Lowe, H. A. Berg, and himself, as joint tenants. Extension table slide assembly. 2,417,257; Mar. 11.
Lubri-Zol Corporation, The, assignee: *See—*
  Prutton, Carl F.
Luck, David G. C., Merchantville, N. J., assignor to Radio Corporation of America. Radio direction finder. 2,417,310; Mar. 11.
Luck, David G. C., Princeton, N. J., assignor to Radio Corporation of America. Variable resistor device. 2,417,311; Mar. 11.
Luhn, Hans P., Armonk, assignor to International Business Machine Corporation, New York, N. Y. Multiple circuit connector of the plug type. 2,417,369; Mar. 11.
Lynn, Lawrence B., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Stable element. 2,417,081; Mar. 11.
MacGregor, James H., Bocking Braintree, assignor to Courtaulds Limited, London, England. Improving the dyeing properties of cellulosic textiles by treatment with formaldehyde and a guanidine salt of an alpha-beta unsaturated carboxylic acid. 2,417,312; Mar. 11.
Mack, Edward L., New York, N. Y. Separable fastener receptacle with precompressed spring for airplane cowlings or the like. 2,417,207; Mar. 11.
Mackie, James, and Sons Limited, assignee: *See—*
  Mackie, John P.
Mackie, John P., assignor to James Mackie and Sons Limited, Belfast, Northern Ireland. Machine for winding yarn. 2,417,258; Mar. 11.
MacKinnon, John H., Larchmont, N. Y. Trench-digging machine. 2,417,313; Mar. 11.
Magann, Merritt W., St. Louis, and W. A. McElvain, Maplewood, assignors to Diagraph-Bradley Stencil Machine Corporation, St. Louis, Mo. Fountain brush. 2,417,370; Mar. 11.
Magnus, Elmer G.: *See—*
  Wagner, Harold H., and Magnus.
Malco Company, Incorporated, The, assignee: *See—*
  Darr, Harold W.
Mallan, Jane, executrix: *See—*
  Mallan, Robert.
Mallan, Robert, deceased, New York, N. Y.; J. Mallan, executrix. Portable range unit with separately controlled flues. 2,417,314; Mar. 11.
Mansfield, F., & Sons Company, The, assignee: *See—*
  Nelson, Julius R.
Mapes, Daniel, West Caldwell, and E. Du Pont, assignors to Specialties Development Corporation, Bloomfield, N. J. Apparatus for discharging fluids under pressure. 2,417,082; Mar. 11.
Marcus, Morris L., Pittsburgh, Pa. Earring. 2,417,117; Mar. 11.
Margot, Alfred: *See—*
  Martin, Henry, and Margot.
Markarian, Moushy: *See—*
  Brooks, Lester A., and Markarian.
Marks, Barnard M.: *See—*
  Christ, Robert E., and Marks.
Marlo Company, assignee: *See—*
  Menzl, Leon.
Martin, Glenn L., Company, The, assignee, et al.: *See—*
  Griswold, Owen H.
  Taylor, Thomas L., and Bell.
Martin, Henry, and A. Margot, assignors to the firm J. R. Geigy A. G., Basel, Switzerland. Basic esters of monoalkyl isobutyl acetic acids. 2,417,208; Mar. 11.
McAbee, Frances R., assignor to McAbee Industries Incorporated, Westport, Conn. Lady's garment. 2,417,371; Mar. 11.
McAbee Industries, Incorporated, assignee: *See—*
  McAbee, Frances R.
McCarthy, John A., Beverly Hills, Calif. Hanger. 2,417,397; Mar. 11.
McCleary, Rush F., and S. M. Roberts, Beacon, assignors, by mesne assignments, to The Texas Company, New York, N. Y. Composition of matter. 2,417,118; Mar. 11.
McCollum, Henry J. D., deceased; T. McCollum, executrix, assignor to Stewart-Warner Corporation, Chicago, Ill. Cast internal-combustion heater for heating air. 2,417,315; Mar. 11.
McCollum, Thelma, executrix: *See—*
  McCollum, Henry J. D.
McCoy, Frederic C.: *See—*
  Knowles, Edwin C., McCoy, and Patterson.
McCullough, G. C., assignee: *See—*
  Hayes, Albert N.
McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake control apparatus. 2,417,209; Mar. 11.
McElvain, William A.: *See—*
  Magann, Merritt W., and McElvain.
McFarland, Forest R., Huntington Woods, assignor to Packard Motor Car Company, Detroit, Mich. King pin and spindle arrangement for steerable wheels. 2,417,316; Mar. 11.
McGowan, Henri C., Augusta, Ga. Crutch armrest. 2,417,171; Mar. 11.
McMains, Wren M., Richmond, Ind. Instruction cover for airplane windows. 2,417,317; Mar. 11.
McNeill, H. H., Lumber Co., Inc., assignee: *See—*
  Brewer, Oscar Z.
McNulty, George M.: *See—*
  Zimmer, John C., and McNulty.
Mellor Bromley and Co., Limited, assignee: *See—*
  Shortland, Arthur.
Menough, Paul S., Rocky River, Ohio. Annealing tray. 2,417,083; Mar. 11.
Menzl, Leon, Crestwood, assignor to Marlo Company, New York, N. Y. Teeth for roll scrapers and trash bar plates. 2,417,210; Mar. 11.
Merck & Co., Inc., assignee: *See—*
  Tishler, Max, and Wellman.
Miller, Verle A., and W. G. Lovell, assignors to General Motors Corporation, Detroit, Mich. Synthesis of olefins by reacting an olefin with an alkyl halide in the presence of calcium oxide. 2,417,119; Mar. 11.
Miner, W. H., Inc., assignee: *See—*
  Dath, George E.
Minnesota Mining & Manufacturing Company, assignee: *See—*
  Buzzell, Maurice E., and Swenson.
Minsk, Louis M., and C. C. Unruh, assignors to Eastman Kodak Company, Rochester, N. Y. Resinous copolymer of a diacylate of an unsaturated aldehyde. 2,417,404; Mar. 11.
Mitchel-Tyler Company, The, assignee: *See—*
  Porter, Harold M.
Mitchell, Donald C.: *See—*
  Mitchell, Thomas A. and D. C.

Mitchell, Thomas A. and D. C., Torrance, Calif., assignors to American Manganese Corporation, Dover, Del. Electrolytic process for preparing manganese and manganese dioxide simultaneously. 2,417,259; Mar. 11.
Monroe, Benjamin C., Tuscola, Ill. Steam locomotive. 2,417,084; Mar. 11.
Monsanto Chemical Company, assignee: *See—*
  Barrett, Gerald R.
Morehouse, Eugene M., Tujunga, Calif., assignor to Adel Precision Products Corp. Sectional support for conduits. 2,417,260; Mar. 11.
Morehouse, Eugene M., Tujunga, Calif., assignor to Adel Precision Products Corp. Harness clip with safety lock. 2,417,261; Mar. 11.
Morehouse, Eugene M., Tujunga, Calif., assignor to Adel Precision Products Corp. Sealing nut. 2,417,262; Mar. 11.
Morehouse, Eugene M., Tujunga, Calif., assignor to Adel Precision Products Corp. Cushioned nut. 2,417,263; Mar. 11.
Morris, Harry W., Chicago, Ill. Proportional liquid reagent feeding device actuated by fluid in a conduct. 2,417,372; Mar. 11.
Morrison, James, Brass Mfg. Co., Limited, The, assignee: *See—*
  Sandilands, James C.
Morrison, James S., Springfield, and F. J. Arciszewski, East Longmeadow, Mass. Lawn mower sharpener. 2,417,373; Mar. 11.
Morton, Charles R., Summit, N. J. Fire extinguishing device. 2,417,374; Mar. 11.
Morway, Arnold J., Clark Township, Union County, and J. C. Zimmer, Union, N. J., assignors to Standard Oil Development Company. Lubricant. 2,417,264; Mar. 11.
Mueller, Alfred: *See—*
  Crane, Charles R., II, and Mueller.
Mullinix, Gird E., San Marino, assignor to Byron Jackson Co., Huntington Park, Calif. Pipe tong. 2,417,085; Mar. 11.
Nash-Kelvinator Corporation, assignee: *See—*
  Philipp, Lawrence A.
National Lead Company, assignee: *See—*
  Larsen, Delmar H.
National Steel Corporation, assignee: *See—*
  Ward, William A.
Naul, James M., Plainfield, N. J. Shunt universal motor. 2,417,120; Mar. 11.
Nelsen, John A., Glendale, and H. G. Finlay, Burbank, Calif. Sprinkler head shutoff tool. 2,417,265; Mar. 11.
Nelson, Julius R., Barrington, R. I., assignor to The F. Mansfield & Sons Company, New Haven, Conn. Dredge-hoisting apparatus. 2,417,121; Mar. 11.
New Products Corporation, assignee: *See—*
  Banker, Oscar H.
Newbould, Maurice G. R., London, S. W. 1, assignor to Papercrete Limited, London, England. Apparatus for producing seamless hollow bodies of felted fibrous material. 2,417,375; Mar. 11.
Newell, George K., near Pitcairn, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Control apparatus. 2,417,211; Mar. 11.
Newman, William E., Moorestown, N. J., assignor to Radio Corporation of America. Pulse translating mechanism. 2,417,376; Mar. 11.
Niederhauser, Warren D.: *See—*
  Bruson, Herman A., Niederhauser, and Iserson.
Nielsen, A. C., Company, assignee: *See—*
  Rusch, Hugo L.
Norman, John H., Elmhurst, Ill. Cake cutter and server. 2,417,172; Mar. 11.
Northey, Elmore H., Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y. Producing 4-hydroxy pyrimidines. 2,417,318; Mar. 11.
Norton, James F.: *See—*
  Snyder, Jacob R., and Norton.
Nutter, William S., assignor to Goodall-Sanford, Inc., Sanford, Maine. Flat woven fabric and making the same. 2,417,319; Mar. 11.
Nutter, William S., assignor to Goodall-Sanford, Inc., Sanford, Maine. Woven textile fabric. 2,417,320; Mar. 11.
Olin Industries, Inc., assignee: *See—*
  Silk, Charles E., and Dintelmann.
Osborn Manufacturing Company, The, assignee: *See—*
  Kibbee, Charles M.
Packard Motor Company, assignee: *See—*
  McFarland, Forest R.
  Ware, Marsden.
Papercrete Limited, assignee: *See—*
  Newbould, Maurice G. R.
Park, Robert H., Washington, D. C., and J. K. Dixon, Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y. Analysis of nitrous gases. 2,417,321; Mar. 11.
Parker Appliance Company, The, assignee: *See—*
  Hartley, Emmett C., and Ivins.
  Hull, Henry E., and Hartley.
Partin, Albert, Livingston, Mont. Wrench. 2,417,377; Mar. 11.
Patterson, John A.: *See—*
  Knowles, Edwin C., McCoy, and Patterson.
Payne, John W.: *See—*
  Simpson, Thomas P., Payne, and Evans.
Pearl, Irwin A.: *See—*
  Brauns, Friedrich E., and Pearl.
Pearson, James J., Tulsa, Okla. Wind operated rotatable sign. 2,417,122; Mar. 11.
Penn Electric Switch Co., assignee: *See—*
  Shaw, Burton E.
Peterson, Robert H., assignor to Bendix Aviation Corporation, South Bend, Ind. Fluid-pressure controlled valve. 2,417,212; Mar. 11.
Petrakakis, Emanuel, New York, N. Y. Toaster. 2,417,266; Mar. 11.
Philipp, Lawrence A., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Forced air bottle cooler. 2,417,123; Mar. 11.
Phillips Petroleum Company, assignee: *See—*
  Carter, Charles E.
  Frey, Frederick E.
  Guyer, Jesse A.
Picard, Robert G., Collingswood, N. J., assignor to Radio Corporation of America. Device for indirect heating of materials. 2,417,213; Mar. 11.
Pilkington Brothers Limited, assignee: *See—*
  Wood, Arthur R.
Plotzky, Samuel, Brooklyn, N. Y. Combined wallet and purse. 2,417,322; Mar. 11.
Porter, Harold M., assignor to The Mitchel-Tyler Company, Hagerstown, Md. Toy aircraft. 2,417,267; Mar. 11.
Powell, Alric H., Yeadon, Pa., assignor to General Electric Company. Indicating means for thermal circuit interrupters. 2,417,268; Mar. 11.
Prentice, James M., South Hadley, Mass. Game apparatus. 2,417,173; Mar. 11.
Prenveille, Donald E., Oakland, Calif. Fruit splitting and pitting device. 2,417,174; Mar. 11.
Pro-phy-lac-tic Brush Company, assignee: *See—*
  D'Alelio, Gaetano F.
Proskauer, Richard, Westbury, and V. J. Young, Jamaica, N. Y., assignors to Sperry Gyroscope Company, Inc. Homing system. 2,417,086; Mar. 11.
Prutton, Carl F., Cleveland, assignor to The Lubri-Zol Corporation, Wickliffe, Ohio. Lubricant. 2,417,087; Mar. 11.
Prutton, Carl F., Cleveland Heights, assignor, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio. Lubricating composition. 2,417,088; Mar. 11.
Purdue Research Foundation, assignee: *See—*
  Spence, John A., and Degering.
Pure Oil Company, The, assignee: *See—*
  Ayers, George W., Barton, and Harton.
  Folkins, Hillis O.
Radio Corporation of America, assignee: *See—*
  Brown, George H.
  Hillier, James.
  Luck, David G. C.
  Newman, William E.
  Picard, Robert G.
  Sands, William F.
  Smith, Rogers M.
  Wheeler, Benjamin F.
Raffles, Frank, Chicago, Ill. Making laminated punched plywood assemblies. 2,417,175; Mar. 11.
Ralph, Sydney J.: *See—*
  Dummett, George A., and Ralph.
Ramsey, Milton G., Los Angeles, Calif. Safety lid for frying pans and the like. 2,417,124; Mar. 11.
Ratié, René J., Montrouge, France; vested in the Attorney General of the United States. Variable pitch propeller control and indicator. 2,417,176; Mar. 11.
Reeves, Arthur E., Los Angeles, Calif. Camera view finder. 2,417,125; Mar. 11.
Regents of the University of Minnesota, assignee: *See—*
  Smith, Lee I., and Rouault.
Reilly Tar & Chemical Corporation, assignee: *See—*
  Cislak, Francis E., and Carney.
Resinous Products & Chemical Company, The, assignee: *See—*
  Bruson, Herman A., Niederhauser, and Iserson.
Richards, Boggs & King, Incorporated, assignee: *See—*
  Richards, Harvey B., and Crawford.
Richards, Harvey B., and M. T. Crawford, assignors to Richards, Boggs & King, Incorporated. Swimming cap. 2,417,323; Mar. 11.
Richards, John J., assignor to I. I. Cragin, Brookline, Mass. Apparatus for vaporizing liquids. 2,417,126; Mar. 11.
Richou, Maxime J., Paris, France; vested in the Attorney General of the United States. High altitude flying suit. 2,417,177; Mar. 11.
Ritter, Henry T., South Rockwood, Mich. Bird house and partition element. 2,417,178; Mar. 11.
Rivard, Lawrence B., and H. C. Kroepel, assignors to Ford Motor Company, Dearborn, Mich. Fender construction. 2,417,324; Mar. 11.
Roberts, Charles A., San Antonio, Tex. Orthopedic heel for shoes. 2,417,127; Mar. 11.

Roberts, Stiles M.: *See*—
McCleary, Rush F., and Roberts.
Robertson, Archibald, North Hollywood, Calif., assignor to Adel Precision Products Corp. Conduit-supported wire clip. 2,417,269; Mar. 11.
Robinson, Marguerite G., executrix: *See*—
Robinson, Wallace W.
Robinson, Wallace W., deceased, Portland, Maine; M. G. Robinson, executrix. Splint-stretcher frame. 2,417,378; Mar. 11.
Rockwood & Co., assignee: *See*—
Jones, Wallace T.
Roesch, Frank P., Chicago, Ill., assignor to The Standard Stoker Company Inc. Coal pusher. 2,417,128; Mar. 11.
Roos, Delmar G., assignor to Willys-Overland Motors, Inc., Toledo, Ohio. Rear axle drive assembly. 2,417,214; Mar. 11.
Roos, Delmar G., assignor to Willys-Overland Motors, Inc., Toledo, Ohio. Drive axle construction for independently sprung wheels. 2,417,325; Mar. 11.
Ross, John: *See*—
Gebhart, Arthur I., and Ross.
Ross, Kenneth B., Chicago, Ill. Finishing piezoelectric crystals. 2,417,179; Mar. 11.
Rouault, George F.: *See*—
Smith, Lee I., and Rouault.
Rummelsburg, Alfred L., assignor to Hercules Powder Company, Wilmington, Del. Pine-wood resin of increased melting point and producing. 2,417,180; Mar. 11.
Rundt, John W., assignor to The Timken Roller Bearing Company, Canton, Ohio. Tapered roller thrust bearing. 2,417,398; Mar. 11.
Rusch, Hugo L., Winnetka, assignor to A. C. Nielsen Company, Chicago, Ill. Simultaneous radio program and time signal recording system. 2,417,129; Mar. 11.
Russell, Kenneth F., assignor, by mesne assignments, to H. H. Garner, Claremont, Calif. Air cleaning apparatus. 2,417,130; Mar. 11.
Rutishauser, Hans, Altadena, assignor to Aerojet Engineering Corporation, Azusa, Calif. Valve. 2,417,270; Mar. 11.
Sandilands, James C., assignor to The James Morrison Brass Mfg. Co., Limited, Toronto, Ontario, Canada. Oil well pressure control system. 2,417,181; Mar. 11.
Sands, William F., West Collingswood, N. J., assignor to Radio Corporation of America. Short-wave permeability tuning system. 2,417,182; Mar. 11.
Sardo, Carlo, New York, N. Y. Heat-treating basket. 2,417,089; Mar. 11.
Satterlee, Howard A., assignor to The Aro Equipment Corporation, Bryan, Ohio. Automatic auxiliary fuel pump system. 2,417,215; Mar. 11.
Sayre, Lewis H., Portland, Oreg. Game. 2,417,216; Mar. 11.
Scaife, Charles W.: *See*—
Smith, Arthur E. W., and Scaife.
Schmitt, Robert O., Louisville, assignor to Joseph E. Seagram & Sons, Inc., Shively, Ky. Distillation of polyhydric concentrate with cooling of solid residue. 2,417,131; Mar. 11.
Schnider, Otto J. P., Bourquin, and A. Grüssner, Basel, Switzerland, assignors to Hoffmann-La Roche, Inc., Nutley, N. J. Imidazol thiophan derivatives and the manufacture of same. 2,417,326; Mar. 11.
Schorn, Carl F.: *See*—
Kittler, Milton J., and Schorn.
Schreck, Henry, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Fluid flow control device. 2,417,217; Mar. 11.
Schreiber, John H., St. Louis, Mo. Machine tool. 2,417,132; Mar. 11.
Schweikher, Ernest W., Cleveland Heights, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Electrodepositing and heat-treating molybdenum-oxygen deposits. 2,417,133; Mar. 11.
Scott, Lawrence K., Louisville, Ky., assignor to Devoe & Raynolds Company, Inc. Rosin-maleic anhydride-nonconjugated fatty oil varnishes. 2,417,327; Mar. 11.
Scott, William M., Jr., Bryn Mawr, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Arc chute. 2,417,134; Mar. 11.
Seagram, Joseph E., & Sons, Inc., assignee: *See*—
Schmitt, Robert O.
Segsworth, Robert S., assignor to General Engineering Company (Canada) Limited, Toronto, Ontario, Canada. Rotary variable speed hydraulic transmission. 2,417,218; Mar. 11.
Senn Corporation, assignee: *See*—
Coake, Charles F.
Sessions Clock Company, The, assignee: *See*—
Kelly, Andrew W.
Shaw, Burton E., Bristol, assignor to Penn Electric Switch Co., Goshen, Ind. High side cutout unit for switches. 2,417,219; Mar. 11.
Shell Development Company, assignee: *See*—
Collins, Donald B.
Shellmar Products Corporation, assignee: *See*—
De Swart, Jan.
Shelton, A. B., Corporation, assignee: *See*—
Shelton, Andrew B.
Shelton, Andrew B., Columbus, Ga., assignor to A. B. Shelton Corporation. Brake for loom letoff mechanism. 2,417,379; Mar. 11.
Shmidl, Albert J.: *See*—
Cato, Artie Q., Wash, and Shmidl.
Short, Thomas T., Fort Wayne, Ind., assignor to General Electric Company. Power supply and voltage limiter. 2,417,272; Mar. 11.
Shortland, Arthur, assignor to Mellor Bromley and Co., Limited, Leicester, England. Knitting machine. 2,417,135; Mar. 11.
Siegal, Edward I., assignee, et al.: *See*—
Spira, Jacob J.
Siegal, Samuel O., assignee, et al.: *See*—
Spira, Jacob J.
Silk, Charles E., and G. C. Dintelmann, Alton, Ill., assignors to Olin Industries, Inc. Manufacture of propellent explosives. 2,417,090; Mar. 11.
Simpson, Thomas P., J. W. Payne, and L. P. Evans, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Apparatus for reactions in a contact mass. 2,417,399; Mar. 11.
Singer Manufacturing Company, The, assignee: *See*—
Zonis, Sydney.
Sloan, Theodore H., Charleroi, assignor to G. M. S. Corporation, Pittsburgh, Pa. Making glassware. 2,417,328; Mar. 11.
Smith, Arthur E. W., and C. W. Scaife, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited. Preparation of α-nitroisobutene. 2,417,380; Mar. 11.
Smith, James E., Pittsburgh, Tex. Variable stroke radial cylinder type pump. 2,417,183; Mar. 11.
Smith, Lee B.: *See*—
Calfee, John D., and Smith.
Smith, Lee I., Minneapolis, Minn., and G. F. Rouault, Whiting, Ind., assignors to Regents of the University of Minnesota, Minneapolis, Minn. Manufacture of 2,6-dimethyl-heptanoic acid. 2,417,220; Mar. 11.
Smith, Nevin B., Hamburg, assignor to Landis Machine Company, Waynesboro, Pa. Metal working machine. 2,417,091; Mar. 11.
Smith, Putnam M., assignor of one-half to A. L. James, Jr., Redwood Falls, Minn. Foul detector and indicator for bowling alleys. 2,417,092; Mar. 11.
Smith, Rogers M., Merchantville, N. J., assignor to Radio Corporation of America. Radio pulse echo system. 2,417,136; Mar. 11.
Smith, Warren H., assignor to General Motors Corporation, Detroit, Mich. Fuel pump injection. 2,417,137; Mar. 11.
Smith, William R., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Catalytic isomerization. 2,417,221; Mar. 11.
Snyder, Eugene, Philadelphia, assignor to American Chemical Paint Company, Ambler, Pa. Refining crude wool grease. 2,417,329; Mar. 11.
Snyder, Jacob R., and J. F. Norton, assignors to Thompson Products, Inc., Cleveland, Ohio. Seal and gasket assembly. 2,417,400; Mar. 11.
Snyder, Paul, Baltimore, Md. Garment. 2,417,271; Mar. 11.
Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Covington, James D.
Evans, Louis P.
Simpson, Thomas P., Payne, and Evans.
Solar Aircraft Company, assignee: *See*—
Harvey, George W.
Southwest Airmotive Company, assignee: *See*—
Fox, Carl H.
Sparks, William J., Elizabeth, and H. B. Kellog, Union City, N. J., assignors, by mesne assignments, to Jasco, Incorporated. Sulfurized, milled, and cured polymer. 2,417,093; Mar. 11.
Speakman Company, assignee: *See*—
Fraser, James.
Specialties Development Corporation, assignee: *See*—
Mapes, Daniel, and Du Pont.
Spence, John A., and E. F. Degering, West LaFayette, assignors to Purdue Research Foundation, LaFayette, Ind. Preparation of c-acetylated compounds. 2,417,381; Mar. 11.
Sperry Gyroscope Company, Inc., assignee: *See*—
Proskauer, Richard, and Young.
Spinasse, Arhtur E., Mount Vernon, Ohio. Heat-treating glass or like materials. 2,417,094; Mar. 11.
Spira, Jacob J., assignor of two-thirds to S. O. and E. I. Siegal, Cleveland, Ohio. Vehicle wheel. 2,417,095; Mar. 11.
Spira, Jacob J., assignor of two-thirds to S. O. and E. I. Siegal, Cleveland, Ohio. Vehicle wheel. 2,417,382; Mar. 11.
Sprague Specialties Company, assignee: *See*—
Brooks, Lester A., and Markarian.
Staab, George J., Springfield, N. J. Salt shaker. 2,417,273; Mar. 11.
Standard Brands Incorporated, assignee: *See*—
Barch, William E.
Standard Container, Inc., assignee: *See*—
Fitch, John.

Standard Oil Company, assignee: *See*—
Huber, Harold E., Jr.
Standard Oil Development Company, assignee: *See*—
Cannon, George E.
Cato, Artie Q., Wash, and Shmidl.
Hemminger, Charles E.
Morway, Arnold J., and Zimmer.
Thompson, William I., and Campbell.
Viles, Prentiss S.
Wasson, Jones I., and Zimmer.
Zimmer, John C., and McNulty.
Standard Stoker Company, Inc., The, assignee: *See*—
Roesch, Frank P.
Stanley, Richard W.: *See*—
Denyssen, Ivanhoe P., and Stanley.
Steinhorst, Emil, & Sons, Inc., assignee: *See*—
Steinhorst, Henry.
Steinhorst, Henry, assignor to Emil Steinhorst & Sons, Inc., Utica, N. Y. Container door stopping and supporting device. 2,417,401; Mar. 11.
Stenzy, August F. P., Baltimore, Md. Stove with internal air chamber. 2,417,138; Mar. 11.
Stewart-Warner Corporation, assignee: *See*—
McCollum, Henry J. D.
Williams, Lynn A., Jr.
Stine, Carl A., Van Nuys, assignor to Turco Products, Inc., Los Angeles, Calif. Spray device. 2,417,222; Mar. 11.
Storrie, William, Rumford, R. I., assignor to Apco Mossberg Company. Ratchet torque screw driver. 2,417,402; Mar. 11.
Strang, John M., Glasgow, W. 3, assignor to Barr & Stroud, Limited, Glasgow, Scotland. Lenses for optical purposes. 2,417,330; Mar. 11.
Strehlow, Walter F., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Variable wheel tread vehicle. 2,417,139; Mar. 11.
Submarine Signal Company, assignee: *See*—
Benioff, Hugo.
Sulphite Products Corporation, assignee: *See*—
Brauns, Friedrich E., and Pearl.
Superior Industries, Incorporated, assignee: *See*—
Weyant, Romer G.
Swanson, Francis J., Saratoga, Wyo. Vaccinating gun. 2,417,140; Mar. 11.
Swenson, George W.: *See*—
Buzzell, Maurice E., and Swenson.
Switzer, Joseph L., Cleveland Heights, Ohio. Coated fluorescent fabric. 2,417,383; Mar. 11.
Switzer, Robert C., South Euclid, Ohio. Daylight fluorescent signaling and diplay device. 2,417,384; Mar. 11.
Syfert, William W., Madras, Oreg. Binder post. 2,417,141; Mar. 11.
Tatar, Stanley, Detroit, Mich. Engine. 2,417,142; Mar. 11.
Taylor, Frank W.: *See*—
Chilcot, Arthur L., Jackson, and Taylor.
Taylor, Thomas L., Ruxton, and C. F. Bell, Jr., Baltimore, assignors to The Glenn L. Martin Company, Middle River, Md. Gun storage container. 2,417,331; Mar. 11.
Texas Company, The, assignee: *See*—
Callaway, John R.
Horton, Francis.
Knowles, Edwin C., McCoy, and Patterson.
McCleary, Rush F., and Roberts.
Smith, William R.
Wolf, Alexander.
Thiry, Leon F., Montclair, N. J., assignor to The General Tire & Rubber Company, Akron, Ohio. Fluid-damped mounting. 2,417,096; Mar. 11.
Thommen, Hans, and A. Halm, assignors to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Gas blast circuit breaker. 2,417,274; Mar. 11.
Thompson Products, Inc., assignee: *See*—
Booth, James H.
Graham, Matthew P.
Snyder, Jacob R., and Norton.
Thompson, William I., Elizabeth, and D. L. Campbell, Short Hills, N. J., assignors to Standard Oil Development Company. Regeneration of powdered catalyst. 2,417,275; Mar. 11.
Thornton, John J., assignee, et al.: *See*—
Gregoire, Resta S.
Tilly, Henry L., New Orleans, La. Railroad plate with spikes. 2,417,385; Mar. 11.
Timken Roller Bearing Company, The, assignee: *See*—
Rundt, John W.
Tishler, Max, Rahway, N. J., and J. W. Wellman, Cleveland Heights, Ohio, assignors to Merck & Co., Inc., Rahway, N. J. 1-polyacyloxyalkylamino-2-amino-4,5-dimethylbenzene and preparing the same. 2,417,143; Mar. 11.
Titlestad, Nicolay, White Plains, assignor to Chemical Construction Corporation, New York, N. Y. Atomization of strong sulfuric acid. 2,417,386; Mar. 11.
Totty, Robert A., Petersburg, Va. Extension trackway for wardrobe. 2,417,387; Mar. 11.
Trimble, Charles H., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Article holding fixture. 2,417,144; Mar. 11.
Trostler, William, Cleveland Heights, Ohio. Mop wringer. 2,417,276; Mar. 11.
Turco Products, Inc., assignee: *See*—
Stine, Carl A.
Tyson, Archie M., Dallas, Tex. Resonator for musical instruments. 2,417,277; Mar. 11.
Union Oil Company of California, assignee: *See*—
Lee, Milton W.
United Geophysical Company, Inc., assignee: *See*—
Hoover, Herbert, Jr.
United Shoe Machinery Corporation, assignee: *See*—
Bazzoni, Lewis J.
Campbell, Rouel R.
Dixon, Paul H., and Ioannilli.
Greene, Chester W.
U. S. Thermo Control Co., assignee: *See*—
Jones, Frederick M.
U. S. Vitamin Corporation, assignee: *See*—
Freedman, Louis, and Green.
Unruh, Cornelius C.: *See*—
Minsk, Louis M., and Unruh.
Valentino, Michael L.: *See*—
Kylin, Oskar and H. O., and Valentino.
Van Der Werff, Jacob B., Pasadena, Calif., assignor to Adel Precision Products Corp. Hydraulic remote-control system. 2,417,278; Mar. 11.
Van Nuys, Claude C., Greenwich, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y. Separation of the constituents of gaseous mixtures. 2,417,279; Mar. 11.
Veitch, Frederick J., Flushing, N. Y. Garter. 2,417,332; Mar. 11.
Viles, Prentiss S., Goose Creek, Tex., assignor to Standard Oil Development Company. Production of butadiene. 2,417,280; Mar. 11.
Visitacion, Aniceto R., New York, N. Y. Electric stove control. 2,417,223; Mar. 11.
Waetzman, Harry, Philadelphia, Pa. Detachable mattress and spring cover. 2,417,333; Mar. 11.
Wagner, Harold H., Cincinnati, Ohio, and E. G. Magnus, assignors to The W. J. Fitzpatrick Company, Chicago, Ill. Comminuting machine. 2,417,184; Mar. 11.
War, United States of America, as represented by the Secretary of, assignee: *See*—
Lochhead, John L.
Ward, William A., New Cumberland, W. Va., assignor to National Steel Corporation. Apparatus for handling and separating sheet-like material. 2,417,145; Mar. 11.
Ware, Marsden, Huntington Woods, assignor to Packard Motor Car Company, Detroit, Mich. Internal-combustion engine. 2,417,334; Mar. 11.
Warshaw, Howard D., Drexel Hill, Pa. Variable inductance for telemetering system. 2,417,097; Mar. 11.
Wash, George: *See*—
Cato, Artie Q., Wash, and Shmidl.
Wasson, Jones I., and J. C. Zimmer, assignors to Standard Oil Development Company. Instrument lubricant. 2,417,281; Mar. 11.
Weatherhead, Albert J., Jr., Shaker Heights, assignor to The Weatherhead Company, Cleveland, Ohio. Differential turbine for fluid transmission. 2,417,224; Mar. 11.
Weatherhead Company, The, assignee: *See*—
Weatherhead, Albert J., Jr.
Weingarten, Murray, New York, N. Y. Furniture seat construction. 2,417,146; Mar. 11.
Wellman, John W.: *See*—
Tishler, Max, and Wellman.
West, George E.: *See*—
West, Maxwell A. and G. E.
West, Maxwell A. and G. E., assignors to Challenger Corporation, Portland, Oreg. Screw driver. 2,417,225; Mar. 11.
Westby, Lloyd R., Berwyn, Ill. Bobby pin. 2,417,335; Mar. 11.
Western Electric Company, Incorporated, assignee: *See*—
Trimble, Charles H.
Westinghouse Air Brake Company, The, assignee: *See*—
Hewitt, Ellis E., Bush, and Glass.
McCune, Joseph C.
Newell, George K.
Westinghouse Electric Corporation, assignee: *See*—
Douglas, George R.
Lynn, Lawrence B.
Weyant, Romer G., Elkhart, assignor to Superior Industries, Incorporated, Goshen, Ind. Device for molding of veneer structures. 2,417,226; Mar. 11.
Wheeler, Benjamin F., Haddonfield, N. J., assignor to Radio Corporation of America. Viscous damping system. 2,417,282; Mar. 11.
Whitehead, Joshua H., San Francisco, Calif. Cover for golf club heads. 2,417,336; Mar. 11.
Whitesell, John C., Jr., Narberth, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Tank, especially for vehicles. 2,417,337; Mar. 11.
Whitner, Thomas C., Elizabeth, N. J., assignor to Chemical Laboratories, Inc. Sericeous fibers. 2,417,388; Mar. 11.
Whitner, Thomas C., Elizabeth, N. J., assignor to Chemical Laboratories, Inc. Treatment of sericeous fibers. 2,417,389; Mar. 11.

Wilcox, Doyle E., assignor to Consolidated Engineering Corporation, Pasadena, Calif. Computer. 2,417,098; Mar. 11.

Williams, Chester, Ypsilanti, Mich. Four wheel trailer. 2,417,338; Mar. 11.

Williams, Lynn A., Jr., Northfield, assignor to Stewart-Warner Corporation, Chicago, Ill. Anti-icing combustion air scoop. 2,417,185; Mar. 11.

Willys-Overland Motors, Inc., assignee: *See*—
  Roos, Delmar G.

Windeler, Alfred S., Baltimore, Md., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Variable resistance standard. 2,417,099; Mar. 11.

Winkeljohn, Thomas H., Wabash, Ind., assignor to The General Tire & Rubber Company, Akron, Ohio. Oil sealing ring. 2,417,390; Mar. 11.

Wolf, Alexander, Houston, Tex., assignor to The Texas Company, New York, N. Y. Scanning device. 2,417,227; Mar. 11.

Wood, Arthur R., St. Helens, assignor to Pilkington Brothers Limited, Liverpool, England. Treatment of the surface of glass to reduce the proportion of incident light reflected thereby. 2,417,147; Mar. 11.

Woolley, Rew E., Cleveland Heights, Ohio, assignor to Bailey Meter Company. Recorder with magnetically positioned indicator. 2,417,339; Mar. 11.

Wright, Manfred G., Kokomo, Ind., assignor to General Motors Corporation, Detroit, Mich. Dimension gauging means. 2,417,148; Mar. 11.

Yale & Towne Manufacturing Company, The, assignee: *See*—
  Framhein, Herbert J.

Yoder, Stanley W., Los Angeles, Calif. Sprinkler. 2,417,228; Mar. 11.

Young, Victor J.: *See*—
  Proskauer, Richard, and Young.

Zimmer, John C.: *See*—
  Morway, Arnold J., and Zimmer.
  Wasson, Jones I., and Zimmer.

Zimmer, John C., and G. M. McNulty, Union, N. J., assignors to Standard Oil Development Company. Lubricant. 2,417,283; Mar. 11.

Zonis, Sydney, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Cooling and lubricating means for sewing machines. 2,417,403; Mar. 11.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 11TH DAY OF MARCH, 1947

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Antibacklash device. W. E. Swift, Jr. Re. 22,852; Mar. 11.

Filing equipment, Card. G C. Bruen. Re. 22,850; Mar. 11.

Stem for electrical space discharge devices. P. L. Spencer. Re. 22,851; Mar. 11.

LIST OF DESIGN INVENTIONS

Alphabet for forming monograms or similar articles. V. T. Howard. 146,446; Mar. 11.

Brooch or similar article. B. Darvie. 146,443; Mar. 11.

Clock face and map, Combined. A. Tellier. 146,455; Mar. 11.

Container and ash tray, Combined cigarette. C. M. J. Ornot. 146,450; Mar. 11.

Dispenser, Adhesive tape. R. Loewy. 146,449; Mar. 11.

Dress. S. Siegel. 146,454; Mar. 11.

Dress. J. Walker. 146,456–8; Mar. 11.

Fabric or the like. B. C. Shott. 146,452–3; Mar. 11.

Frame or similar article, Eyeglass. S. Kaesz. 146,447; Mar. 11.

Lure, Fishing. O. C. Schaefer. 146,451; Mar. 11.

Ornament for handbags or the like. F. X. Hiltenbrand. 146,445; Mar. 11.

Pin or similar article, Costume jewelry. F. Gallo. 146,444; Mar. 11.

Ring, Finger. F. P. Kinsley. 146,448; Mar. 11.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 11TH DAY OF MARCH, 1947

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acid, Production of tartaric. W. E. Barch. 2,417,230; Mar. 11.
Adapter union, Manufacture of an. C. L. Conroy. 2,417,350; Mar. 11.
Air cleaning apparatus. K. F. Russell. 2,417,130; Mar. 11.
Air compressor apparatus. E. E. Hewitt, R. J. Bush, and W. H. Glass. 2,417,197; Mar. 11.
Aircraft utilizing magnus effect. P. C. Grose. 2,417,358; Mar. 11.
Airplane antenna automatic tuning system. C. H. Fox. 2,417,191; Mar. 11.
Airplane, Tailless. G. W. Cornelius. 2,417,189; Mar. 11.
Alkylated pyrrole compounds, Synthesis of. L. A. Brooks and M. Markarian. 2,417,046; Mar. 11.
Alkylation process. C. E. Hemminger. 2,417,251; Mar. 11.
Alpha-methylene monocarboxylic acid esters, Polymerization of. R. E. Christ and B. M. Marks. 2,417,238; Mar. 11.
a-nitro-isobutene, Preparation of. A. E. W. Smith and C. W. Scaife. 2,417,380; Mar. 11.
Antenna system. G. H. Brown. 2,417,290; Mar. 11.
Anti-siphon valve. D. G. Griswold. 2,417,357; Mar. 11.
Apparatus for bombardier training apparatus, Projection. G. F. Daly. 2,417,354; Mar. 11.
Apparatus for cocoa beans, Disc type shell cracking. W. T. Jones. 2,417,078; Mar. 11.
Apparatus for discharging fluids under pressure. D. Mapes and E. Du Pont. 2,417,082; Mar. 11.
Apparatus for handling and separating sheetlike material. W. A. Ward. 2,417,145; Mar. 11.
Apparatus for hydrocarbon reaction. L. P. Evans. 2,417,393; Mar. 11.
Apparatus for producing cold cathode fluorescent lamps or the like. C. Herzog. 2,417,361; Mar. 11.
Apparatus for producing seamless hollow bodies of felted fibrous material. M. G. R. Newbould. 2,417,375; Mar. 11.
Apparatus for reactions in a contact mass. T. P. Simpson, J. W. Payne, and L. P. Evans. 2,417,399; Mar. 11.
Apparatus for vaporizing liquids. J. J. Richards. 2,417,126; Mar. 11.
Armrest, Crutch. H. C. McGowan. 2,417,171; Mar. 11.
Automatic auxiliary fuel pump system. H. A. Satterlee. 2,417,215; Mar. 11.
Automatically adjusting brake. R. A. Goepfrich. 2,417,193; Mar. 11.
Baler, Hay. J. T. Lisle and J. B. Klamfoth. 2,417,309; Mar. 11.
Band, Adjustable. N. Bisso and L. J. Gifford. 2,417,289; Mar. 11.
Bar: *See*—
  Sine bar.
Basket, Heat treating. C. Sardo. 2,417,089; Mar. 11.
Bearing: *See*—
  Tapered roller thrust bearing.
  Tie rod socket bearing.
Bedbucket, Dump. C. W. Bernard. 2,417,288; Mar. 11.
Bell. A. R. Euler. 2,417,297; Mar. 11.
Belt drive, Variable-speed. A. F. Alexander. 2,417,047; Mar. 11.
Block: *See*—
  Rubbing, sanding, or polishing block.
Bobby pin. L. R. Westby. 2,417,335; Mar. 11.
Boiler: *See*—
  Steam locomotive boiler.
Box: *See*—
  Chick box.
Brake: *See*—
  Automatically adjusting brake.
  Fluid actuated brake.
Brake. R. A. Goepfrich. 2,417,192; Mar. 11.
Brake for loom letoff mechanism. A. B. Shelton. 2,417,379; Mar. 11.
Brush, Fountain. M. W. Magann and W. A. McElvain. 2,417,370; Mar. 11.
Brush, Rotary. C. M. Kibbee. 2,417,113; Mar. 11.
Butadiene, Production of. P. S. Viles. 2,417,280; Mar. 11.
C-acetylated compounds, Preparation of. J. A. Spence and E. F. Degering. 2,417,381; Mar. 11.
Camera, High-speed. C. N. Hickman. 2,417,076; Mar. 11.
Camera, Roll holding. C. W. Crumrine. 2,417,240; Mar. 11.
Camera view finder. A. E. Reeves. 2,417,125; Mar. 11.
Cap: *See*—
  Swimming cap.
Carbon removal regenerative gas requirements, in catalysts reactivation. J. A. Guyer. 2,417,359; Mar. 11.
Cartridge feed system. J. L. Lochhead. 2,417,080; Mar. 11.
Casing, Motor head lamp plastic. R. P. H. Hinds. 2,417,162; Mar. 11.
Casing, Snap-ring secured, divided motor. W. Hargreaves. 2,417,195; Mar. 11.
Catalysis. G. R. Bond, Jr. 2,417,054; Mar. 11.
Catalyst chamber, Lining. C. E. Carter. 2,417,348; Mar. 11.
Catalyst, Regeneration of powdered. W. I. Thompson and D. L. Campbell. 2,417,275; Mar. 11.
Catalytic isomerization. W. R. Smith. 2,417,221; Mar. 11.
Chick box. J. G. Huye. 2,417,302; Mar. 11.
Chimney coping. M. Albaugh. 2,417,039; Mar. 11.
Chute, Arc. W. M. Scott, Jr. 2,417,134; Mar. 11.
Circuit: *See*—
  High-frequency spark circuit.
  Telephone substation circuit.
Circuit breaker, Gas blast. H. Thommen and A. Halm. 2,417,274; Mar. 11.
Circuits, Low-frequency amplifier. S. A. Dikstoal. 2,417,296; Mar. 11.
Cleaning and washing machine. I. P. Denyssen and R. W. Stanley. 2,417,241; Mar. 11.
Clip: *See*—
  Conduit-supported wire clip.
  Self-locking clip.
Clip with safety lock, Harness. E. M. Morehouse. 2,417,261; Mar. 11.
Coal pusher. F. P. Roesch. 2,417,128; Mar. 11.
Coated fluorescent fabric. J. L. Switzer. 2,417,383; Mar. 11.
Coating composition. G. R. Barrett. 2,417,344; Mar. 11.
Coating composition, Rust-inhibiting. G. C. Cox. 2,417,064; Mar. 11.
Coding and decoding apparatus. T. E. Horst. 2,417,163; Mar. 11.
Coin controlled mechanism. H. T. Larimore. 2,417,205; Mar. 11.
Coin operated device. N. E. Bowen. 2,417,056; Mar. 11.
Comminuting machine. H. H. Wagner and E. G. Magnus. 2,417,184; Mar. 11.
Composition of matter. R. F. McCleary and S. M. Roberts. 2,417,118; Mar. 11.
Composition of matter with a scent of ambrettolide and making same. C. Collaud. 2,417,151; Mar. 11.
Computer. D. E. Wilcox. 2,417,098; Mar. 11.
Computer, Electric. E. F. W. Alexanderson. 2,417,229; Mar. 11.
Conduit-supported wire clip. A. Robertson. 2,417,269; Mar. 11.
Connection for fluid conduits, Constant volume. O. H. Griswold. 2,417,249; Mar. 11.
Connector of the plug type, Multiple circuit. H. P. Luhn. 2,417,369; Mar. 11.
Constituents of gaseous mixtures, Separation of. C. C. Van Nuys. 2,417,279; Mar. 11.
Construction for independently sprung wheels, Drive axle. D. G. Roos. 2,417,325; Mar. 11.
Container: *See*—
  Gun storage container.
Container. G. Cope. 2,417,104; Mar. 11.
Control and indicator, Variable pitch propeller. R. J. Ratié. 2,417,176; Mar. 11.
Control apparatus. G. K. Newell. 2,417,211; Mar. 11.
Control apparatus, Brake. J. C. McCune. 2,417,209; Mar. 11.
Control device, Fluid flow. H. Schreck. 2,417,217; Mar. 11.
Control device for closed hydraulic systems, Safety. A. A. Bell. 2,417,231; Mar. 11.
Control device, Mixture. M. J. Kittler and C. F. Schorn. 2,417,304; Mar. 11.
Control system. E. G. Bailey and P. S. Dickey. 2,417,049; Mar. 11.
Cooler: *See*—
  Forced air bottle cooler.
Cooling and lubricating means for sewing machines. S. Zonis. 2,417,403; Mar. 11.
Copolymerizates of acrylonitrile and other mono-ethylenic monomers, Preparing molecularly oriented. G. F. D'Alelio. 2,417,294; Mar. 11.

Copolymers of acrylonitrile, a vinyl aryl compound, and acrylic esters or ethers, Molecularly oriented. G. F. D'Alelio. 2,417,293; Mar. 11.
Counting device. C. C. Green. 2,417,074; Mar. 11.
Cover: *See*—
  Detachable mattress and spring cover.
Cover for airplane windows, Instruction. W. M. McMains. 2,417,317; Mar. 11.
Cover for golf club heads. J. H. Whitehead. 2,417,336; Mar 11.
Crystals, Finishing piezoelectric. K. B. Ross. 2,417,179; Mar. 11.
Cupola. C. R. Beebe. 2,417,345; Mar. 11.
Cutter and server, Cake. J. H. Norman. 2,417,172; Mar. 11.
Damper, Vibration. T. T. Brown. 2,417,347; Mar. 11.
Desulfurization and hydroforming. M. W. Lee. 2,417,308; Mar. 11.
Detachable mattress and spring cover. H. Waetzman. 2,417,333; Mar. 11.
Detector and indicator for bowling alleys, Foul. P. M. Smith. 2,417,092; Mar. 11.
Device for indirect heating of materials. R. G. Picard. 2,417,213; Mar. 11.
Device for molding of veneer structures. R. G. Weyant. 2,417,226; Mar. 11.
Dichlorodifluoromethane, Production of. J. D. Galfee and L. B. Smith. 2,417,059; Mar. 11.
Dimension gauging means. M. G. Wright. 2,417,148; Mar. 11.
Direction finder, Pulse. S. Godet. 2,417,248; Mar. 11.
Dispensing machine, Plural discharge assistant. G. and C. A. Almberg. 2,417,284; Mar. 11.
Dredge-hoisting apparatus. J. R. Nelson. 2,417,121; Mar. 11.
Drill grinding tool. N. T. Lovstrom. 2,417,116; Mar. 11.
Drive assembly, Rear axle. D. G. Roos. 2,417,214; Mar. 11.
Drive, Power. T. Hindmarch. 2,417,198; Mar. 11.
Driven-shaft combined boring and reciprocable-saw machine, Single. O. Langfelder. 2,417,170; Mar. 11.
Earring. M. L. Marcus. 2,417,117; Mar. 11.
Electrical control system. C. F. Kettering. 2,417,112; Mar. 11.
Electrodes in electric discharge tubes, Mounting of. A. L. Chilcot, S. Jackson, and F. W. Taylor. 2,417,061; Mar. 11.
Electronic time indicating device. O. T. Francis. 2,417,070; Mar. 11.
Elevator, Portable grain. R. Jeoffroy. 2,417,111; Mar. 11.
End construction for paper containers. J. Fitch. 2,417,298; Mar. 11.
Engine: *See*—
  Internal-combustion engine.
  Two-cycle gas engine.
Engine. S. Tatar. 2,417,142; Mar. 11.
Envelope. W. Baluk. 2,417,050; Mar. 11.
Esters of monoalkyl isobutyl acetic acids, Basic. H. Martin and A. Margot. 2,417,208; Mar. 11.
Explosives, Manufacture of propellent. C. E. Silk and G. C. Dintelmann. 2,417,090; Mar. 11.
Extrusion apparatus and method. V. Jacobson. 2,417,165; Mar. 11.
Fabric: *See*—
  Coated fluorescent fabric.
  Woven textile fabric.
Fabric and making the same, Flat woven. W. S. Nutter. 2,417,319; Mar. 11.
Fan. H. Gross. 2,417,194; Mar. 11.
Fan gear assembly. R. H. Jordan. 2,417,303; Mar. 11.
Feeding device actuated by fluid in a conduct, Proportional reagent. H. W. Morris. 2,417,372; Mar. 11.
Fender construction. L. B. Rivard and H. C. Kroepel. 2,417,324; Mar. 11.
Fibers, Sericeous. T. C. Whitner. 2,417,388; Mar. 11.
Fibers, Treatment of sericeous. T. C. Whitner. 2,417,389; Mar. 11.
Fire extinguishing device. C. R. Morton. 2,417,374; Mar. 11.
Fixture, Article holding. C. H. Trimble. 2,417,144; Mar. 11.
Flag for railway trains or the like, Signal. E. G. Leach. 2,417,367; Mar. 11.
Flexible joint. G. W. Harvey. 2,417,250; Mar. 11.
Flowmeter. C. E. Cox. 2,417,352; Mar. 11.
Fluid actuated brake. J. T. Dickson. 2,417,156; Mar. 11.
Fluid base material and process, Well drilling. D. H. Larsen. 2,417,307; Mar. 11.
Fluid-damped mounting. L. F. Thiry. 2,417,096; Mar. 11.
Fluid, Drilling. G. E. Cannon. 2,417,235; Mar. 11.
Fluid-pressure controlled valve. R. H. Peterson. 2,417,212; Mar. 11.
Forced air bottle cooler. L. A. Philipp. 2,417,123; Mar. 11.
4-hydroxy pyrimidines, Producing. E. H. Northey. 2,417,318; Mar. 11.
Frame: *See*—
  Sewing frame.
Fuel pump injection. W. H. Smith. 2,417,137; Mar. 11.
Furnace: *See*—
  Rotating annular hearth annealing furnace.
Furniture seat construction. M. Weingarten. 2,417,146; Mar. 11.
Game. L. H. Sayre. 2,417,216; Mar. 11.
Game apparatus. J. M. Prentice. 2,417,173; Mar. 11.
Garment. P. Snyder. 2,417,271; Mar. 11.
Garment, Lady's. F. R. McAbee. 2,417,371; Mar. 11.
Garter. F. J. Veitch. 2,417,332; Mar. 11.
Gas-fired unit heater. H. Cohn. 2,417,103; Mar. 11.
Gases, Analysis of nitrous. R. H. Park and J. K. Dixon. 2,417,321; Mar. 11.
Gauge: *See*—
  Tool setting height gauge.
Gear: *See*—
  Landing gear.
  Variable ratio steering gear.
Gear for trailers, Steering. J. M. Belo. 2,417,287; Mar. 11.
Glass or like materials, Heat-treating. A. E. Spinasse. 2,417,094; Mar. 11.
Glass to reduce the proportion of incident light reflected thereby, Treatment of the surface of. A. R. Wood. 2,417,147; Mar. 11.
Glassware, Making. T. H. Sloan. 2,417,328; Mar. 11.
Glycols, Unsaturated bicyclic. H. A. Bruson, W. D. Niederhauser, and H. Iserson. 2,417,100; Mar. 11.
Granules and producing the same, Roofing. M. E. Buzzell and G. W. Swenson. 2,417,058; Mar. 11.
Grease, Refining crude wool. E. Snyder. 2,417,329; Mar. 11.
Gun storage container. T. L. Taylor and C. F. Bell. 2,417,331; Mar. 11.
Gun, Vaccinating. F. J. Swanson. 2,417,140; Mar. 11.
Hanger. J. A. McCarthy. 2,417,397; Mar. 11.
Hanger for cables and the like. R. E. Eggert and L. C. Brose. 2,417,244; Mar. 11.
Harness, Parachute. J. Kalnitz. 2,417,168; Mar. 11.
Heater: *See*—
  Gas fired unit heater.
Heater for heating air, Cast internal-combustion. H. J. DeN. McCollum. 2,417,315; Mar. 11.
Heel for shoes, Orthopedic. C. A. Roberts. 2,417,127; Mar. 11.
High altitude flying unit. M. J. Richou. 2,417,177; Mar. 11.
High-frequency spark circuit. H. Benioff. 2,417,052; Mar. 11.
Hoist, Manually operated. J. J. Hite. 2,417,199; Mar. 11.
Holder: *See*—
  Lipstick holder.
Homing system. R. Proskauer and V. J. Young. 2,417,086; Mar. 11.
House and partition element, Bird. H. T. Ritter. 2,417,178; Mar. 11.
Hydraulic remote-control system. J. B. Van Der Werff. 2,417,278; Mar. 11.
Hydrocarbon synthesis. H. E. Huber, Jr. 2,417,164; Mar. 11.
Hydrocarbons in the presence of an aluminum halide-hydrocarbon complex saturated with aluminum halide, Catalytic isomerization of saturated. J. R. Callaway. 2,417,187; Mar. 11.
Hydrocarbons in the presence of the halogen, bromine, and iodine, and a chlorinated unsaturated aliphatic organic compound, Cracking. H. O. Folkins. 2,417,105; Mar. 11.
Hydrocarbons, Isomerizing saturated low boiling feed. F. Horton. 2,417,201; Mar. 11.
Hydrocarbons with addition of acetone-methyl alcohol, Distillation of. G. A. Dummett and S. J. Ralph. 2,417,355; Mar. 11.
Hydrofluoric acid resistant packing material. J. D. Covington. 2,417,351; Mar. 11.
Imidazol thiophan derivatives and manufacture of same. O. Schnider, J. P. Bourquin, and A. Grüssner. 2,417,326; Mar. 11.
Indicating means for thermal circuit interrupters. A. H. Powell. 2,417,268; Mar. 11.
Inductance for telemetering system, Variable. H. D. Warshaw. 2,417,097; Mar. 11.
Inductance, Variable. R. G. Clark. 2,417,188; Mar. 11.
Internal-combustion engine. M. Ware. 2,417,334; Mar. 11.
Joint: *See*—
  Flexible joint.
Knitting machine. A. Shortland. 2,417,135; Mar. 11.
Lamp protector. L. E. Hunt. 2,417,364; Mar. 11.
Landing gear. O. J. Alvarez. 2,417,340; Mar. 11.
Lenses for optical purposes. J. M. Strang. 2,417,330; Mar. 11.
Lid for frying pans and the like, Safety. M. G. Ramsey. 2,417,124; Mar. 11.
Lignin material, Degradation treatment of. F. E. Brauns and I. A. Pearl. 2,417,346; Mar. 11.
Lipstick holder. J. de Swart. 2,417,155; Mar. 11.
Liquid mixture by means of a solvent, Separation and segregation of a material from a. A. L. Antonio. 2,417,048; Mar. 11.

Loader, Grain. D. D. Birt. 2,417,186; Mar. 11.
Lock. J. A. Johnston. 2,417,167; Mar. 11.
Locomotive, Steam. B. C. Monroe. 2,417,084; Mar. 11.
Loop conductor, Sinuous. E. V. Kavanaugh. 2,417,079; Mar. 11.
Lubricant. A. J. Morway and J. C. Zimmer. 2,417,264; Mar. 11.
Lubricant. C. F. Prutton. 2,417,087; Mar. 11.
Lubricant. J. C. Zimmer and G. M. McNulty. 2,417,283; Mar. 11.
Lubricant, Instrument. J. I. Wasson and J. C. Zimmer. 2,417,281; Mar. 11.
Lubricating composition. C. F. Prutton. 2,417,088; Mar. 11.
Machine for beading or flanging tubes. H. E. Hull and E. C. Hartley. 2,417,202; Mar. 11.
Machine for coating heels. R. R. Campbell. 2,417,102; Mar. 11.
Machine for testing helical compress springs. E. C. Hartley and H. L. Ivins. 2,417,196; Mar. 11.
Machine for winding yarn. J. P. Mackie. 2,417,258; Mar. 11.
Machine tool. J. H. Schreiber. 2,417,132; Mar. 11.
Manganese and manganese dioxide simultaneously, Electrolytic preparing. T. A. and D. C. Mitchell. 2,417,259; Mar. 11.
Map, Illuminated weather. S. E. Blewett and T. A. Gaffney. 2,417,043; Mar. 11.
Mechanism for controlling electric circuits. B. L. Frederick. 2,417,368; Mar. 11.
Mechanism for guns, Muzzle cover operating. C. W. Greene. 2,417,300; Mar. 11.
Metal working machine. N. B. Smith. 2,417,091; Mar. 11.
Microlimit indicating system. C. F. Coake. 2,417,292; Mar. 11.
Microscope. O. C. Blomgren. 2,417,044; Mar. 11.
Microscope specimen, Electron. J. Hillier. 2,417,110; Mar. 11.
Mixing valve. J. Fraser. 2,417,158; Mar. 11.
Molybdenum-oxygen deposits, Electrodepositing and heat treating. E. W. Schweikher. 2,417,133; Mar. 11.
Motion-picture color photography, Apparatus and process for. J. G. Capstaff. 2,417,060; Mar. 11.
Motor: *See*—
  Shunt universal motor.
Mounting: *See*—
  Fluid-damped mounting.
Mounting for microphones, Resilient. H. W. Darr. 2,417,153; Mar. 11.
Movement for indicators, Mechanical. P. Kilham. 2,417,114; Mar. 11.
Multivibrator. A. H. Bartels. 2,417,286; Mar. 11.
Nickel. Electroplating. R. O. Hull and R. A. Hoffman. 2,417,203; Mar. 11.
Nut, Cushioned. E. M. Morehouse. 2,417,263; Mar. 11.
Nut, Sheet metal. R. E. Eggert. 2,417,243; Mar. 11.
Oil and lubricating, Lubricating. E. C. Knowles, F. C. McCoy, and J. A. Patterson. 2,417,305; Mar. 11.
Oil, Heating. A. Q. Cato, G. Wash, and A. J. Shmidl. 2,417,236; Mar. 11.
Oil sealing ring. T. H. Winkeljohn. 2,417,390; Mar. 11.
Oil well screen. D. B. Collins. 2,417,152; Mar. 11.
Olefins by reacting an olefin with an alkyl halide in the presence of calcium oxide, Synthesis. V. A. Miller and W. G. Lovell. 2,417,119; Mar. 11.
1-polyacyloxyalkylamino-2-amino-4,5-dimethylbenzene and process for preparing the same. M. Tishler and J. W. Wellman. 2,417,143; Mar. 11.
Organic fluorine compounds in hydrofluoric acid alkylation of hydrocarbons, Decrease of. F. E. Frey. 2,417,106; Mar. 11.
Pin: *See*—
  Bobby pin.
Pin and spindle arrangement for steerable wheels, King. F. R. McFarland. 2,417,316; Mar. 11.
Plastic valve. V. W. Eckel. 2,417,242; Mar. 11.
Plate of looms, Race. W. H. Baker. 2,417,285; Mar. 11.
Plate with spikes, Railroad. H. L. Tilly. 2,417,385; Mar. 11.
Plywood assemblies, Making laminated punched. F. Raffles. 2,417,175; Mar. 11.
Polyazo dyes from benzidine intermediates, Metallizable. A. Krebser, W. Bossard, and P. Hindermann. 2,417,306; Mar. 11.
Polyhydric concentrate with cooling of solid residue, Distillation of. R. O. Schmitt. 2,417,181; Mar. 11.
Post, Binder. W. W. Syfert. 2,417,141; Mar. 11.
Power indexing mechanism. O. and H. O. Kylin and M. L. Valentino. 2,417,366; Mar. 11.
Power supply and voltage limiter. T. T. Short. 2,417,272; Mar. 11.
Pressure control and ignition check for burners, Fuel. P. Arant. 2,417,341; Mar. 11.
Pressure control system, Oil well. J. C. Sandilands. 2,417,181; Mar. 11.
Protector: *See*—
  Lamp protector.
Pump: *See*—
  Variable stroke radial cylinder type pump.
Pump seal assembly. S. G. Colbaugh. 2,417,349; Mar. 11.
Push-button switching apparatus. G. E. Hanner. 2,417,161; Mar. 11.
Radio direction finder. D. G. C. Luck. 2,417,310; Mar. 11.
Radio program and time signal recording system, Simultaneous. H. L. Rusch. 2,417,129; Mar. 11.
Radio pulse echo system. R. M. Smith. 2,417,136; Mar. 11.
Range unit with separately controlled flues, Portable. R. Mallan. 2,417,314; Mar. 11.
Razor blade conditioner. H. L. Arnest. 2,417,040; Mar. 11.
Receptacle and carboy therein, Cushioned. O. Z. Brewer. 2,417,045; Mar. 11.
Receptacle with precompressed spring for airplane cowlings or the like. Separable fastener. E. L. Mack. 2,417,207; Mar. 11.
Recorder with magnetically positioned indicator. R. E. Woolley. 2,417,339; Mar. 11.
Resin of increased melting point and producing, Pinewood. A. L. Rummelsburg. 2,417,180; Mar. 11.
Resinous copolymer of a diacylate of an unsaturated aldehyde. L. M. Minsk and C. C. Unruh. 2,417,404; Mar. 11.
Resistance standard, Variable. A. S. Windeler. 2,417,099; Mar. 11.
Resistor device, Variable. D. G. C. Luck. 2,417,311; Mar. 11.
Resonator for musical instruments. A. M. Tyson. 2,417,277; Mar. 11.
Rig, Drill. S. A. Fuller. 2,417,247; Mar. 11.
Ring: *See*—
  Oil sealing ring.
Roll for spinning and drawing frames, Spinning. E. J. Courtney. 2,417,239; Mar. 11.
Rope splicing tool. E. H. Borgelt. 2,417,055; Mar. 11.
Rotating annular hearth annealing furnace. D. P. Cooper. 2,417,063; Mar. 11.
Rubbing, sanding, or polishing block. J. L. Feild. 2,417,356; Mar. 11.
Salts, Preparation of water-insoluble organic. A. I. Gebhart and J. B. Ross. 2,417,071; Mar. 11.
Scanning device. A. Wolf. 2,417,227; Mar. 11.
Scoop, Anti-icing combustion air. L. A. Williams, Jr. 2,417,185; Mar. 11.
Screen: *See*—
  Oil well screen.
Screw driver. M. A. and G. E. West. 2,417,225; Mar. 11.
Screw driver, Ratchet torque. W. Storrie. 2,417,402; Mar. 11.
Seal and gasket assembly. J. R. Snyder and J. F. Norton. 2,417,400; Mar. 11.
Seal and stop mechanism, Meter. F. W. Guibert and F. B. Fuller. 2,417,108; Mar. 11.
Seal, Oil. R. S. Gregoire. 2,417,107; Mar. 11.
Sealing nut. E. M. Morehouse. 2,417,262; Mar. 11.
Seed from pest attack, Immunizing. O. B. Lean and P. W. Brian. 2,417,115; Mar. 11.
Seismometer. H. Hoover, Jr. 2,417,077; Mar. 11.
Self-locking clip. R. E. Eggert and L. C. Brose. 2,417,245; Mar. 11.
Sewing frame. E. Beaton. 2,417,149; Mar. 11.
Shaker, Salt. G. J. Staab. 2,417,273; Mar. 11.
Sharpener, Lawn mower. J. S. Morrison and F. J. Arciszewski. 2,417,373; Mar. 11.
Shock absorber, Friction. G. E. Dath. 2,417,154; Mar. 11.
Shoemaking. L. J. Bazzoni. 2,417,042; Mar. 11.
Short-wave permeability tuning system. W. F. Sands. 2,417,182; Mar. 11.
Shunt universal motor. J. M. Naul. 2,417,120; Mar. 11.
Shuttle check for looms. C. Darwin. 2,417,295; Mar. 11.
Sign: *See*—
  Wind operated rotatable sign.
Signalling and display device, Daylight fluorescent. R. C. Switzer. 2,417,384; Mar. 11.
Sine bar. E. A. Berry. 2,417,150; Mar. 11.
Slag, Process and apparatus for producing lightweight. A. N. Hayes. 2,417,301; Mar. 11.
Snap switch. O. H. Kaminky. 2,417,169; Mar. 11.
Soap dish construction. E. A. Jodoin. 2,417,365; Mar. 11.
Sole attaching with thermoplastic cement. P. H. Dixon and J. R. Ioanilli. 2,417,065; Mar. 11.
Splint-stretcher frame. W. W. Robinson. 2,417,378; Mar. 11.
Splitting and pitting device, Fruit. D. E. Prenveille. 2,417,174; Mar. 11.
Spray device. C. A. Stine. 2,417,222; Mar. 11.
Spreader, Clay. F. M. Kinnard. 2,417,255; Mar. 11.
Sprinkler. S. W. Yoder. 2,417,228; Mar. 11.
Sprinkler head shutoff tool. J. A. Nelsen and H. G. Finlay. 2,417,265; Mar. 11.
Stabilizing apparatus. G. R. Douglas. 2,417,066; Mar. 11.
Stable element. L. B. Lynn. 2,417,081; Mar. 11.
Steam locomotive boiler. C. D. Barrett. 2,417,343; Mar. 11.
Stopping and supporting device, Container door. H. Steinhorst. 2,417,401; Mar. 11.

Stove control, Electric. A. R. Visitacion. 2,417,223; Mar. 11.
Stove with internal air chamber. A. F. P. Stenzy. 2,417,138; Mar. 11.
Sulfonium compounds. E. C. Britton and J. N. Hansen. 2,417,057; Mar. 11.
Sulfur compounds from hydrocarbon oils, Removal of. G. W. Ayers, D. M. Barton, and E. E. Harton. 2,417,041; Mar. 11.
Sulfuric acid, Atomization of strong. N. Titlestad. 2,417,386; Mar. 11.
Sulfurized, milled, and cured polymer. W. J. Sparks and H. B. Kellog. 2,417,093; Mar. 11.
Supercharger control. G. M. Holley, Jr. 2,417,363; Mar. 11.
Support for conduits, Sectional. E. M. Morehouse. 2,417,260; Mar. 11.
Support for spherical container. H. C. Boardman. 2,417,053; Mar. 11.
Suspension, Vehicle wheel. G. L. Larison. 2,417,206; Mar. 11.
Swimming cap. H. B. Richards and M. T. Crawford. 2,417,323; Mar. 11.
Switch: *See*—
  Snap switch.
Switch. J. H. Horman. 2,417,200; Mar. 11.
Synchronous electric alarm-clock mechanism. A. W. Kelly. 2,417,254; Mar. 11.
System for checking contours. C. F. Coake. 2,417,062; Mar. 11.
System for internal combustion engines, Cooling. E. F. Chandler. 2,417,237; Mar. 11.
Table slide assembly, Extension. R. R. Lowe. 2,417,257; Mar. 11.
Tank and demolition bomb, Combined drop. L. M. Bach. 2,417,342; Mar. 11.
Tank and gauge selector, Fuel. E. B. Heyl. 2,417,362; Mar. 11.
Tank especially for vehicles. J. C. Whitesell. 2,417,337; Mar. 11.
Tapered roller thrust bearing. J. W. Rundt. 2,417,398; Mar. 11.
Tar acids from tar, Process of separating. F. E. Cislak and T. P. Carney. 2,417,291; Mar. 11.
Teeth for roll scrapers and trash bar plates. L. Menzl. 2,417,210; Mar. 11.
Telephone substation circuit. R. A. Faralla. 2,417,067; Mar. 11.
Tension equalizing device. A. Johnson. 2,417,252; Mar. 11.
Textiles by treatment with formaldehyde and a guanidine salt of an alpha-beta unsaturated carboxylic acid, Improving the dyeing properties of cellulosic. J. H. MacGregor. 2,417,312; Mar. 4.
Tie, Made-up bow. I. A. Gamer. 2,417,159; Mar. 11.
Tie rod socket bearing. M. P. Graham. 2,417,160; Mar. 11.
Titaniferous magnetite treatment. T. P. Campbell. 2,417,101; Mar. 11.
Toaster. E. Petrakakis. 2,417,266; Mar. 11.
Tong, Pipe. G. E. Mullinix. 2,417,085; Mar. 11.
Tool: *See*—
  Drill grinding tool.
  Machine tool.
  Rope splicing tool.
  Sprinkler head shut-off tool.
Tool setting height gauge. A. F. O. Calow. 2,417,234; Mar. 11.
Torsion balance. R. Craig and R. Q. Boyer. 2,417,392; Mar. 11.
Toy aircraft. H. M. Porter. 2,417,267; Mar. 11.
Toy, Kangaroo. S. A. Duvall. 2,417,157; Mar. 11.
Trackway for wardrobe trunks, Extension. R. A. Totty. 2,417,387; Mar. 11.
Trailer, Four wheel. C. Williams. 2,417,338; Mar. 11.
Translating mechanism, Pulse. W. E. Newman. 2,417,376; Mar. 11.
Transmission and control system, Hydraulic pulsator. E. C. and W. R. Bohall. 2,417,232; Mar. 11.
Transmission and control therefor, Change-speed. O. H. Banker. 2,417,051; Mar. 11.
Transmission, Rotary variable speed hydraulic. R. S. Segsworth. 2,417,218; Mar. 11.
Tray, Annealing. P. S. Menough. 2,417,083; Mar. 11.
Tree, Shoe. E. C. Harvey. 2,417,109; Mar. 11.
Trench-digging machine. J. H. MacKinnon. 2,417,313; Mar. 11.
Truck, Car. R. B. Cottrell. 2,417,391; Mar. 11.
Truck, Lift. H. J. Framhein. 2,417,394; Mar. 11.
Truck, Pallet. H. J. Framhein. 2,417,395–6; Mar. 11.
Turbine for fluid transmission, Differential. A. J. Weatherhead, Jr. 2,417,224; Mar. 11.
Two-cycle gas engine. F. M. Jones. 2,417,253; Mar. 11.
2,6-dimethyl-heptanoic acid, Manufacture of. L. I. Smith and G. F. Rouault. 2,417,220; Mar. 11.
Unit for hydraulic systems, Compensator-accumulator. A. E. Kremiller. 2,417,256; Mar. 11.
Unit for switches, High side cutout. B. E. Shaw. 2,417,219; Mar. 11.
Valve: *See*—
  Anti-siphon valve.
  Fluid-pressure controlled valve.
  Mixing valve.
  Plastic valve.
Valve. H. Rutishauser. 2,417,270; Mar. 11.
Valve actuating mechanism. C. R. Crane, II, and A. Mueller. 2,417,353; Mar. 11.
Valve core remover. L. A. Heintzelman. 2,417,360; Mar. 11.
Valve mechanism. A. D. Ferguson. 2,417,246; Mar. 11.
Variable ratio steering assembly. J. H. Booth. 2,417,073; Mar. 11.
Variable ratio steering gear. M. P. Graham. 2,417,072; Mar. 11.
Variable stroke radial cylinder type pump. J. E. Smith. 2,417,183; Mar. 11.
Variable wheel tread vehicle. W. F. Strehlow. 2,417,139; Mar. 11.
Varnishes, Rosin-maleic anhydride-non-conjugated fatty oil. L. K. Scott. 2,417,327; Mar. 11.
Vehicle: *See*—
  Variable wheel tread vehicle.
Vehicle wheel. J. J. Spira. 2,417,095; Mar. 11.
Vehicle wheel. J. J. Spira. 2,417,382; Mar. 11.
Vinyl cyanide, Catalytic synthesis of. M. W. Farlow and W. A. Lazier. 2,417,068; Mar. 11.
Viscous damping system. B. F. Wheeler. 2,417,282; Mar. 11.
Vitamin solutions, Fat-soluble. L. Freedman and E. Green. 2,417,299; Mar. 11.
Wall under compression provided with an opening, Concrete. J. M. Crom. 2,417,190; Mar. 11.
Wallet and purse, Combined. S. Plotzky. 2,417,322; Mar. 11.
Wave transmission system. F. S. Farkas. 2,417,069; Mar. 11.
Weaving effects by variable warp tensioning means, Production of. A. Lanz. 2,417,204; Mar. 11.
Welding apparatus. K. V. Hart. 2,417,075; Mar. 11.
Wheel: *See*—
  Vehicle wheel.
Winch, Towing. A. A. Johnson. 2,417,166; Mar. 11.
Wind operated rotatable sign. J. J. Pearson. 2,417,122; Mar. 11.
Window wind brace. W. J. Buford. 2,417,233; Mar. 11.
Woven textile fabric. W. S. Nutter. 2,417,320; Mar. 11.
Wrench. A. Partin. 2,417,377; Mar. 11.
Wringer, Mop. W. Trostler. 2,417,276; Mar. 11.

CLASSIFICATION OF PATENTS

ISSUED MARCH 11, 1947

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

Note.—First number—class, second number—subclass, third number—patent number

2— 2.1: 2,417,177
68: 2,417,323
73: 2,417,371
96: 2,417,271
151: 2,417,159
316: 2,417,332
5— 82: 2,417,378
354: 2,417,333
8— 100: 2,417,312
10— 91: 2,417,091
12— 33: 2,417,065
128.6: 2,417,109
147: 2,417,042
15— 138: 2,417,370
181: 2,417,113
262: 2,417,276
18— 2.5: 2,417,301
14: 2,417,165
55: 2,417,090
19— 142: 2,417,239
20— 40: 2,417,233
23— 178: 2,417,386
232: 2,417,321
288: 2,417,393
2,417,399
24— 221: 2,417,207
25— 22: 2,417,255
156: 2,417,348
29— 49: 2,417,366
148.2: 2,417,350
30— 115: 2,417,172
33— 174: 2,417,062
2,417,146
2,417,150
185: 2,417,234
35— 2: 2,417,163
36— 35: 2,417,127
37— 55: 2,417,121
81: 2,417,313
40— 39: 2,417,122
41— 1: 2,417,060
45— 2: Re.22,850
28: 2,417,365
46— 80: 2,417,267
99: 2,417,157
49— 85: 2,417,328
89: 2,417,094
92.5: Re.22,851
51— 187: 2,417,356
213: 2,417,040
219: 2,417,116
249: 2,417,373
57— 23: 2,417,055
60— 53: 2,417,218
54.5: 2,417,231
2,417,232
2,417,278
62— 102: 2,417,123
175.5: 2,417,279
63— 5: 2,417,289
14: 2,417,117
65— 57: 2,417,273
66— 110: 2,417,135
72— 13: 2,417,190
88: 2,417,039
73— 139: 2,417,402
161: 2,417,196
209: 2,417,352
74— 5: 2,417,066
2,417,081
44: 2,417,142
230.17: 2,417,047
282: 2,417,198
336.5: 2,417,051
496: 2,417,072
2,417,073
75— 30: 2,417,101
77— 28: 2,417,247
81— 3: 2,417,360
99: 2,417,085
126: 2,417,377
82— 2: 2,417,132
84— 189: 2,417,277
85— 36: 2,417,243
2,417,262
2,417,263
88— 1.5: 2,417,125
16.8: 2,417,076
24: 2,417,354
2,417,392
39: 2,417,044
57: 2,417,330
89— 1: 2,417,300
33: 2,417,080
91— 51: 2,417,102
92— 60: 2,417,375
95— 31: 2,417,240
99— 447: 2,417,266
100— 20: 2,417,309
47: 2,417,210
102— 2: 2,417,342
103— 41: 2,417,137
161: 2,417,183
216: 2,417,349
105— 38: 2,417,084
208.2: 2,417,391
106— 14: 2,417,064
177: 2,417,344
110— 61: 2,417,343
112— 256: 2,417,403
113— 99: 2,417,144
116— 124: 2,417,114
154: 2,417,297
175: 2,417,367
117— 32: 2,417,058
124: 2,417,147
164: 2,417,388
2,417,389
119— 23: 2,417,178
123— 71: 2,417,253
196: 2,417,237
126— 70: 2,417,138
110: 2,417,185
2,417,315
126— 116: 2,417,103
268: 2,417,314
382: 2,417,124
128— 224: 2,417,140
129— 41: 2,417,141
132— 46: 2,417,335
134— 152: 2,417,241
135— 52: 2,417,171
137— 53: 2,417,357
139: 2,417,353
153: 2,417,212
138— 31: 2,417,256
139— 24: 2,417,204
108: 2,417,379
185: 2,417,295
188: 2,417,285
427: 2,417,319
2,417,320
144— 35: 2,417,170
281: 2,417,226
145— 50: 2,417,225
146— 28: 2,417,174
96: 2,417,184
150— 35: 2,417,322
52: 2,417,336
152— 15: 2,417,382
16: 2,417,095
153— 79: 2,417,202
154— 125: 2,417,175
155— 179: 2,417,146
158— 28: 2,417,341
36.3: 2,417,215
160— 120: 2,417,317
161— 15: 2,417,070
166— 8: 2,417,152
14: 2,417,181
167— 20: 2,417,115
81: 2,417,299
169— 1: 2,417,265
26: 2,417,374
28: 2,417,082
170— 163: 2,417,176
171— 97: 2,417,272
242: 2,417,097
2,417,188
252: 2,417,195
327: 2,417,179
172— 276: 2,417,120
173— 328: 2,417,369
174— 135: 2,417,260
177— 7: 2,417,254
311: 2,417,043
2,417,292
352: 2,417,077
353: 2,417,376
178— 44: 2,417,069
179— 81: 2,417,067
100.1: 2,417,129
100.3: 2,417,227
146: 2,417,153
171: 2,417,296
180— 14: 2,417,287
180— 73: 2,417,214
2,417,325
75: 2,417,139
183— 91: 2,417,130
184— 1: 2,417,079
6: 2,417,334
188— 1: 2,417,347
72: 2,417,156
79.5: 2,417,199
90: 2,417,282
152: 2,417,192
189— 7: 2,417,167
190— 13: 2,417,387
192— 8: Re.22,852
116.5: 2,417,108
194— 1: 2,417,205
92: 2,417,056
196— 24: 2,417,308
30: 2,417,041
52: 2,417,054
2,417,105
150: 2,417,236
198— 7: 2,417,111
81: 2,417,145
99: 2,417,186
218: 2,417,128
200— 6: 2,417,200
36: 2,417,368
53: 2,417,362
67: 2,417,169
83: 2,417,219
121: 2,417,268
138: 2,417,161
147: 2,417,134
148: 2,417,274
201— 55: 2,417,311
57: 2,417,099
202— 42: 2,417,355
70: 2,417,131
204— 37: 2,417,133
49: 2,417,203
96: 2,417,259
206— 46: 2,417,331
56: 2,417,155
210— 40: 2,417,372
213— 24: 2,417,154
217— 54: 2,417,045
60: 2,417,401
219— 4: 2,417,075
37: 2,417,223
220— 1: 2,417,053
22: 2,417,337
222— 227: 2,417,284
223— 86: 2,417,397
110: 2,417,149
229— 5.6: 2,417,298
6: 2,417,302
37: 2,417,104
73: 2,417,050
230— 5: 2,417,363
15: 2,417,197
264: 2,417,303
230— 268: 2,417,194
234— 1: 2,417,339
235— 61: 2,417,096
2,417,229
98: 2,417,074
238— 294: 2,417,385
240— 41: 2,417,162
102: 2,417,364
241— 48: 2,417,078
242— 43: 2,417,258
156: 2,417,252
244— 13: 2,417,189
21: 2,417,358
102: 2,417,340
111: 2,417,249
151: 2,417,168
248— 61: 2,417,244
2,417,269
74: 2,417,245
2,417,261
358: 2,417,096
250— 1.54: 2,417,248
1.66: 2,417,136
2: 2,417,112
11: 2,417,086
2,417,310
17: 2,417,191
27.5: 2,417,061
33: 2,417,290
36: 2,417,286
38: 2,417,052
40: 2,417,182
49.5: 2,417,110
2,417,213
71: 2,417,383
2,417,384
251— 113: 2,417,400
119: 2,417,246
132: 2,417,242
252— 8.5: 2,417,235
2,417,307
30: 2,417,351
33.4: 2,417,281
36: 2,417,264
42.7: 2,417,087
45: 2,417,305
48.4: 2,417,088
48.6: 2,417,283
242: 2,417,275
2,417,359
253— 23: 2,417,224
254— 2: 2,417,394
2,417,395
2,417,396
172: 2,417,166
186: 2,417,199
260— 22: 2,417,327
32: 2,417,293
2,417,294
79: 2,417,093
83: 2,417,238
84: 2,417,404
260— 97: 2,417,180
124: 2,417,346
168: 2,417,306
211: 2,417,143
251: 2,417,318
294: 2,417,208
309: 2,417,326
313: 2,417,046
344: 2,417,151
412.5: 2,417,329
414: 2,417,071
449.6: 2,417,164
457: 2,417,057
464: 2,417,068
483: 2,417,381
531: 2,417,220
536: 2,417,230
570.9: 2,417,118
617: 2,417,100
627: 2,417,291
644: 2,417,380
653: 2,417,059
677: 2,417,119
680: 2,417,280
681.5: 2,417,048
683.4: 2,417,106
2,417,251
683.5: 2,417,187
2,417,201
2,417,221
261— 67: 2,417,304
91: 2,417,126
263— 7: 2,417,063
19: 2,417,049
47: 2,417,083
2,417,089
266— 41: 2,417,345
273— 50: 2,417,092
108: 2,417,173
130: 2,417,216
277— 18: 2,417,158
29: 2,417,217
46: 2,417,270
280—33.55: 2,417,338
96.2: 2,417,316
104: 2,417,206
285— 92: 2,417,250
286— 39: 2,417,107
287— 90: 2,417,160
288— 2: 2,417,390
294— 71: 2,417,288
296— 28: 2,417,324
299— 18: 2,417,222
114: 2,417,228
303— 21: 2,417,209
2,417,211
308— 235: 2,417,398
311— 73: 2,417,257
316— 19: 2,417,361

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,417,040	51—213
2,417,058	117—32
2,417,079	184—1
2,417,088	252—48.4
2,417,118	260—570.9
2,417,142	74—44
2,417,157	46—99
2,417,175	154—125
2,417,188	171—242
2,417,190	72—13
2,417,197	230—15
2,417,224	253—23
2,417,237	123—196
2,417,247	77—28
2,417,253	123—71
2,417,279	62—175.5
2,417,298	229—5.6
2,417,300	89—1
2,417,304	261—67
2,417,306	260—168
2,417,317	160—120
2,417,340	244—102
2,417,344	106—177
2,417,349	103—216
2,417,351	252—30
2,417,358	244—21
2,417,361	316—19
2,417,382	152—15

CLASSIFICATION OF DESIGNS

D 3—26: Des. 146,454
Des. 146,456
Des. 146,457
D 3—26: Des. 146,458
D31— 4: Des. 146,451
D42— 7: Des. 146,455
D45—10: Des. 146,448
19: Des. 146,443
Des. 146,444
D57— 1: Des. 146,447
D64—12: Des. 146,446
D74— 1: Des. 146,449
D85— 2: Des. 146,450
D87— 2: Des. 146,445
D92— 1: Des. 146,452
D92— 1: Des. 146,453

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DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

J. S. IVINS' SON, INC.
v.
UNITED BISCUIT CO. OF AMERICA

No. 5,206. Decided December 9, 1946

[158 F.(2d) 397; 72 USPQ 121]

TRADE-MARKS—CONFUSING SIMILARITY.

Applicant's trade-mark, comprising the picture of a gate and a house and the notation "Gate House Cookies by Ivins," applied to cookies, *Held* confusingly similar to opposer's trade-mark "Town House," used upon cookies, crackers, and other baked articles and food products.

APPEAL from the Patent Office. Affirmed.

Mr. Benj. T. Rauber (*Mr. Joseph H. Milans* of counsel) for J. S. Ivins' Son, Inc.

Mr. Robert I. Dennison (*Mr. John F. Brezina* of counsel) for United Biscuit Co. of America.

BLAND, *J.*:

This is an appeal in a United States Patent Office trade-mark opposition proceeding from the decision of the Commissioner of Patents, 65 USPQ 50, affirming that the Examiner of Trade-mark Interferences which sustained the opposition filed by the appellee and denied appellant registration of its mark, comprised of the picture of a gate and a house and the notation "Gate House Cookies by Ivins." The words "Cookies by Ivins" were disclaimed except in combination with the other features, and the mark is alleged to be applied to cookies.

The opposition was based upon appellee's use (no registration shown) of its trade-mark "Town House" upon cookies, crackers, and other baked articles and food products. Thus the goods are in part identical and it seems to be conceded that the appellee is senior in the use of its mark.

The mark of appellant in this proceeding is the same mark sought to be registered in the application involved in the appeal in *J. S. Ivins' Son, Inc.* v. *Lamont, Corliss & Company* (Patent Appeal No. 5205), — C. C. P. A. (Patents) —, 158 F.(2d) 399, 72 USPQ 120, the opinion in which case is handed down concurrently herewith.

The Examiner stated the issue presented, which is the same issue as presented here, and held as follows:

> * * * The only question for consideration herein * * * relates to the similarities of the marks.
>
> With respect to the marks, applicant contends that the word "House" has been used by others as a part of two-word notations applied to similar goods and hence that this word is not a distinctive part of the mark and should be given little consideration in the comparison of the marks herein. The fact, however, that others may have used this word in their marks is immaterial to applicant's right of registration, the only question before the Examiner for consideration herein.
>
> *The Pepsodent Co.* v. *Comfort Mfg. Co.*, 472 O. G. 258; 23 C. C. P. A. 1224; 83 F.(2d) 906.
>
> It seems to the Examiner that the word "House" is a prominent, if not a dominant, portion of the spoken mark, and since the goods are identical, inexpensive, and consumed in use, the Examiner is of the opinion that confusion in trade is likely to result. This conclusion is deemed to be in accordance with the following decisions involving the marks indicated:
>
> Young-Timers—Two Timer, *C. B. Shane Corporation* v. *Henri Bendel Inc.*, 557 O. G. 592; 166 Ms. D. 348; 59 U. S. P. Q. 308; Town Tavern—Kentucky Tavern, *Glenmore Distilleries Company* v. *National Distillers Products Corp.*, 533 O. G. 1057; 163 Ms. D. 858; 51 U. S. P. Q. 329; Red Horse—White Horse, *D. J. Bielzoff Products Company* v. *White Horse Distillers Ltd.*, 511 O. G. 801; 27 C. C. P. A. 722; 107 F.(2d) 583; Lion Head—Wolf's Head, *Gilmore Oil Company Ltd.* v. *Wolverine-Empire Refining Company*, 445 O. G. 775; 21 C. C. P. A. 943; 69 F.(2d) 532; Diamond Blossom—Orange Blossom, *Traub Manufacturing Company* v. *R. Harris & Company*, 414 O. G. 3; 19 C. C. P. A. 704; 53 F.(2d) 416.
>
> Accordingly, the notice of opposition is hereby sustained and it is further adjudged that the applicant is not entitled to the registration for which it has made application.

The Commissioner agreed in all particulars with the Examiner and stated that the word "House" was the dominant portion of the respective marks and that:

> A town house and a gate house are both houses, differing only in style, location, or purpose. And casual purchasers would be less likely to recall the exact type of house described in either trade-mark than to remember merely that it is some kind of house. I am constrained to agree with the Examiner of Interferences that "since the goods are identical, inexpensive, and consumed in use," their concurrent sale under these particular marks may well lead to confusion.

Substantially the same arguments are made in this case as were made in the companion case and need no extended discussion here.

Appellant has pointed out certain decisions of this court involving "Washington Park" and "Fashion Park" (*Rosenberg Bros. & Co.* v. *Robert G. Horowitz*, 17 C. C. P. A. (Patents) 641, 35 F.(2d) 784, 3 USPQ 239), "Gem-of-the-Sea" and "Chicken of the Sea" (*Franco-Italian Packing Corp.* v. *Van Camp Sea Food Co., Inc.*, 31 C. C. P. A. (Patents) 1029, 142 F.(2d) 274, 61 USPQ 369), and other marks which were held not to be confusingly similar. It also cited in the companion case, supra, *Firestone Tire & Rubber Co.* v. *Montgomery Ward & Co., Inc.*, 32 C. C. P. A. (Patents) 1074, 150 F.(2d) 439, 66 USPQ 111, involving "Air Chief" and "Airline." These cases are easily distinguished, but regardless of this fact this court has often said that each case must rest upon its own bottom and that the facts and the circumstances of each case must be

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closely scrutinized and that even then it is frequently not helpful to rely upon certain phases of analogy between cases in deciding a trade-mark issue.

It might be observed, however, that in the marks "Gate House" and "Town House" the first words in each mark are descriptive and are composed of four letters, and that the term "House" in each of the marks is that portion of the marks which is the chief factor in directing the purchaser's attention to the origin of the goods.

The reasons set out by the tribunals below, we think, are sound and require but little discussion here.

Appellant has complained quite earnestly of the statement by the Commissioner that "a town house and a gate house are both houses, differing only in style, location, or purpose," and urges that the style, location, or purpose of the house is what distinguishes his trade-mark "Gate House" from "Town House." It does not seem to us that the purchaser of the particular kind of goods with which we are here concerned would spend much time, or should be required to do so, in distinguishing between the particular styles, locations, or purposes of houses in selecting his cookies, etc.

The decision of the Commissioner is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

In re W. A. Sheaffer Pen Company

No. 5,211. Decided December 9, 1946

[158 F.(2d) 390; 72 USPQ 129]

1. Trade-Marks—Descriptiveness.
   The mark "Fineline" *Held* descriptive as applied by appellant to mechanical pencils, parts thereof, and leads therefor, since the pencil "when used for its intended purpose, does produce and include a line which by relative standards of comparison is properly described or characterized as 'fine.'"
2. Same—Same.
   Held that "words which are merely descriptive of the goods with which they are used, or the character or quality thereof, or the purpose for which they are used" are not registrable under the Trade-Mark Act of 1905 "for the reason that anyone is entitled to use such words in describing the goods which he offers for sale."
3. Appeal—Error.
   Where error is alleged, *Held* that "the court is obliged to rely upon the record and not the brief of counsel for information on the subject."

Appeal from the Patent Office. Affirmed.

Mr. Thorley von Holst (*Mr. M. Hudson Rathburn* and *Mr. Edwin R. Hutchinson* of counsel) for W. A. Sheaffer Pen Company.

Mr. W. W. Cochran (*Mr. Pasquale J. Federico* of counsel) for the Commissioner of Patents.

O'Connell, *J.*:

This is an appeal from the decision of the Commissioner of Patents refusing to register appellant's mark "Fineline," 65 USPQ 171, as applied to mechanical pencils, parts thereof, and leads therefor. The ground of refusal was that the mark is descriptive of the character or quality of the goods with which it is used and its registration prohibited under section 5 (b) of the Trade-Mark Act of February 20, 1905, 15 U. S. C., sec. 85 (b).

In its application appellant alleged that it had continuously used and applied its trade-mark to the goods since August 19, 1938.

The Examiner of Trade-Marks took the position, which was upheld by the Commissioner of Patents, "that the mark is descriptive of the goods, because it conveys the information that applicant's pencils will produce a fine written line."

The Commissioner properly held that "it is now well settled that a mark is descriptive within the meaning of the act if it describes the intended purpose, function, or use, of the goods to which it is applied."

Citing *Sierra Chemical* v. *Berettini et al.*, 33 F.(2d) 397, appellant directs attention in its brief to the fact that the involved mark is not of that class of trade-marks known as arbitrary and fanciful, and citing *O'Rourke* v. *Central City Soap Co.*, 26 Fed. 576, directs attention, in italics, to the principle of law upon which it relies herein—

> * * * There is, however, a class of words which, though not descriptive of the article, are suggestive of some supposed advantage to be derived from using it, or some effect produced by its use. These have been ordinarily, though not always, upheld as valid trade-marks. * * *

The sole question to be determined therefore is whether "Fineline" is descriptive of the character or quality of the goods; or whether as urged by appellant the mark "at most is suggestive of a possible result which may or may not be achieved in the use of a mechanical pencil."

Appellant argues that its mechanical pencil, or the lead used therein, does not necessarily make a fine line, that "Fineline" denotes an attribute which becomes apparent only when the article is used; and that a description of the goods does not by any stretch of the imagination include a line, fine or otherwise.

Appellant argues further in its brief that—

> * * * Appellant's pencils and leads may or may not make a line that could be described as "fine," depending on the manner in which the pencil is manipulated, the texture and hardness of the lead employed, and the standards of comparison used. To some users of appellant's pencils a thick heavy line might be described as a "good" or "fine" line.

[1] It is true that appellant's mark does not describe a mechanical pencil. The purpose for which it is used, however, is to make a written line, and it is clear from the facts presented in the record that appellant's pencil, and the lead therein, when used for its intended purpose, does produce and include a line which by relative standards of comparison is properly described or characterized as "fine." Appellant's mark as correctly held by the Commissioner of Patents conveys the information that its pencil will produce that line.

[2] Words which are merely descriptive of the goods with which they are used, or the character or quality thereof, or the purpose for which they are used, shall not be registered under the mandate of the statute, for the reason that anyone is entitled to use such words in describing the goods which

he offers for sale. *Model Brassiere Co., Inc.* v. *Bromley-Shepard Co., Inc.*, 18 C. C. P. A. (Patents) 1294, 49 F.(2d) 482, 9 USPQ 238; *In re General Permanent Wave Corporation, etc.*, 28 C. C. P. A. (Patents) 1099, 118 F.(2d) 1020, 49 USPQ 184; *Celanese Corporation of America* v. *E. I. Du Pont De Nemours & Company*, 33 C. C. P. A. (Patents) 948, 154 F.(2d) 146, 69 USPQ 101.

It is clear that appellant's mark, if registered, might hamper others in the free use of the words "fine" and "line."

Counsel for appellant state in their brief that—

> * * * it is wholly erroneous not to say unfair, for the Examiner to suggest that "Fine-line" is a term having "authorized usage." Until appellant used the mark in connection with its goods there was no association therebetween whatsoever and no one would have known what was meant by a "Fineline" per se. Now, after years of advertising, the public (including, apparently, the Commissioner) associates the mark with appellant's mechanical pencils, but surely this is no ground for calling it descriptive. * * *

[3] The difficulty with appellant's position is that there is nothing of record tending to establish that the quoted statement of the Examiner is erroneous, and the court is obliged to rely upon the record and not the brief of counsel for information on the subject. *In re Burns*, 23 C. C. P. A. (Patents) 1091, 83 F.(2d) 292; 29 USPQ 423; *Chrysler Corp.* v. *Trott*, 23 C. C. P. A. (Patents) 1098, 83 F.(2d) 302, 29 USPQ 363; *In re Selmi et al.*, 33 C. C. P. A. (Patents) 1187, 156 F.(2d) 96, 70 USPQ 197.

It is deemed unnecessary in view of the conclusion hereinbefore expressed to discuss and pass upon other points raised by appellant's reasons of appeal and the decision of the Commissioner of Patents for the reasons stated is affirmed.

Affirmed.

PATENT SUITS

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,727,759, R. B. Fageol, Spring vehicle; 2,191,698, M. E. Painter, Exercising device, D. C., N. D. Okla. (Tulsa), Doc. 1878, *M. E. Painter* v. *F. Roe*. Patents held valid, and Fageol patent infringed, no infringement of Painter patent (notice Jan. 30, 1947).

1,754,388, P. S. Harper, Gas burner; 1,964,287, same, Double range gas cock; 1,964,288, same, Gas cock and burner, filed Jan. 28, 1947, D. C., E. D. Mich., S. Div., Doc. 6348, *Harper-Wyman Co. et al.* v. *Lincoln Brass Works, Inc.*

1,773,887, L. F. Stirling, Method of producing printing plates; 2,155,458, W. J. Wilkinson, Method of and apparatus for printing, D. C., N. D. Ill., E. Div., Doc. 44c887, *Miehle Printing Press & Mfg. Co. et al.* v. *Publication Corp.* Order dismissing complaint on merits Jan. 4, 1947.

1,909,537, R. M. Hollingshead, Jr., Drive-in theatre, filed Jan. 15, 1947, D. C., N. D. Calif., S. Div., Doc. 26790–R, *Park-In Theatres, Inc.*, v. *Fresno Motor-In Theatre, Inc., et al.*

1,933,947, M. Weber, Suction fan wheel; 1,933,948, same, Fan wheel; 1,933,949, same, Fan wheel for automobiles; Des. 91,001, same, Impeller wheel; Des. 91,002, Des. 95,720, same, Air circulator; Des. 101,018, same, Fan wheel guard; 2,088,312, same, Air circulation; 2,123,448, same, Air circulator; T. M. 306,110, same, Impeller wheel, D. C., N. D. Ill., E. Div., Doc. 45c1530, *Peerless of America, Inc., et al.* v. *Roto-Beam Corp. of America, Inc., et al.* Cause dismissed without prejudice Dec. 18, 1945.

1,933,948. (See 1,933,947.) 1,933,949. (See 1,933,947.)

1,942,864, W. D. La Rue, Sound reproducing machine; 1,990,885, A. Winchell, Phonograph, filed Feb. 3, 1947, D. C. Del., Doc. 1006, *Admiral Corp.* v. *R C A.*

1,964,287. (See 1,754,388.) 1,964,288. (See 1,754,388.)

1,984,585, R. M. Keele, Hair waving apparatus, filed Jan. 27, 1947, D. C., N. D. Calif., S. Div., Doc. 26824–G, *U. S. Appliance Corp.* v. *E. S. Douglass et al.*

1,990,885. (See 1,942,864.) 2,088,312. (See 1,933,947.)

2,123,448. (See 1,933,947.) 2,155,458. (See 1,773,887.)

2,191,698. (See 1,727,759.)

2,193,759, R. G. Birr, Towel dispensing time-stop mechanism, D. C., N. D. Ill., E. Div., Doc. 44c750, *P. E. Colburn et al.* v. *R. G. Birr et al.* Dismissed Jan 7, 1947.

2,237,744, J. E. Mullen, Contact lens and method of making same, filed Jan. 30, 1947, D. C., S. D. N. Y., Doc. 40/74, *J. E. Mullen* v. *Obrig Laboratories, Inc., et al.*

2,241,261, G. B. Horn, Transformer, filed Jan. 20, 1947, D. C., S. D. N. Y., Doc. 39/738, *Wheeler Insulated Wire Co., Inc.*, v. *Todd Products Co., Inc.* Same, filed Jan. 31, 1947, D. C. Del., Doc. 1005, *Federal Telephone & Radio Corp.* v. *The Wheeler Insulated Wire Co.*

2,255,232, A. D. Stern, Support for a sound record film; 2,265,960, W. L. Woolf, Construction of sound record film; 2,292,856, Woolf & Steed, Precision positioning means for sound heads; 2,294,854, E. L. Steed, Control means for sound recording and reproducing machine, filed Jan. 20, 1947, D. C., S. D. N. Y., Doc. 39/744, *Recordgraph Corp.* v. *Frederick Hart & Co., Inc.*

2,265,960. (See 2,255,232.) 2,292,856. (See 2,255,232.)

2,294,854. (See 2,255,232.)

2,302,476, L. Rubenstein, Electric iron, filed Jan. 21, 1947, D. C., S. D. N. Y., Doc. 39/746, *L. Rubenstein* v. *The Silex Co.*

2,346,821, W. M. Cissell, Apparatus for spotting fabric materials, filed Jan. 31, 1947, D. C., W. D. Mo. (Kansas City), Doc. 4562, *W. M. Cissell* v. *Cleaners Specialties, Inc.*

Des. 91,001. (See 1,933,947.)

Des. 91,002. (See 1,933,947.)

Des. 95,720. (See 1,933,947.)

Des. 101,018. (See 1,933,947.)

Des. 140,752, M. F. Laszlo, Swim suit, D. C., S. D. N. Y., Doc. 33/547, *Cole of California, Inc.*, v. *Lee Knitwear Corp.* Stipulation and order dismissing action without prejudice Jan. 31, 1947.

T. M. 190,743, The Western Reserve Oil Co., Kerosene, gasoline, lubricating oils, and greases; T. M. 349,888, The Cities Service Oil Co., same, filed Jan. 29, 1947, D. C. N. J. (Newark), Doc. 9664, *Cities Service Oil Co. et al.* v. *Trojan Oil Co.*

T. M. 306,110. (See 1,933,947.)

T. M. 349,888. (See T. M. 190,743.)

T. M. 351,850, Prophylactic Brush Co., Dental plate powder, filed Jan. 30, 1947, D. C. N. J., Doc. 9674, *Prophylactic Brush Co.* v. *Hudson Products, Inc.*

NOTICES

Effective Dates of Declassified Printed Matter

U. S. Patent Office, *Washington 25, D. C., Feb. 24, 1947.*

Within the past year or more a large amount of printed matter prepared for use during the war and classified as secret, confidential, or restricted, has been declassified and is now available to the public at large. In using this material as references there are usually two pertinent dates to be considered, namely, the printing date and the publication date. The printing date in some instances will appear on the material and may be considered as that date when the material was prepared for limited distribution. The publication date is the date of release when the material was made available to the public. If the date of release does not appear on the material, this date may be determined by reference to the Office of Technical Services, Commerce Department, Room 1323.

In the use of any of the above noted material as an anticipatory publication, the date of release following declassification is the effective date of publication within the meaning of the Statutes. Such a construction is warranted in view of the secrecy under which the material was maintained prior to release.

For the purpose of anticipation predicated upon prior knowledge under Section 4886 R. S. the above noted declassified material may be taken as prima facie evidence of such prior knowledge as of its printing date even though such material was classified at that time. When so used the material does not constitute a statutory bar and its printing date may be antedated by an affidavit under Rule 75.

CASPER W. OOMS,
Commissioner.

Disclaimers

2,156,519.—*Cranford P. Walker,* San Marino, Calif. Means for Measuring the Location of Obstructions in Wells. Patent dated May 2, 1939. Disclaimer filed Feb. 4, 1947, by the inventor.

Hereby enters this disclaimer of claims 1, 13, 14, 15, and 17.

2,304,390.—*John N. Wolfram,* Cleveland, Ohio. Coupling. Patent dated Dec. 8, 1942. Disclaimer filed Jan. 28, 1947, by the assignee, *The Parker Appliance Company.*

Hereby enters this disclaimer to claims 1 and 2 of said specification.

2,305,835.—*Arthur P. Woods,* Detroit, Mich. Variable Leverage Gearing. Patent dated Dec. 22, 1942. Disclaimer filed Feb. 13, 1947, by the assignee, *The Timken-Detroit Axle Company.*

Hereby enters this disclaimer to claims 1, 2, and 3 in said specification.

2,307,394.—*Charles C. Davis,* Detroit, Mich. Gearing. Patent dated Jan. 5, 1943. Disclaimer filed Feb. 13, 1947, by the assignee, *The Timken-Detroit Axle Company.*

Hereby enters this disclaimer to claims 1 and 4 in said specification.

2,338,474.—*Harold M. Wilson,* Attleboro, Mass. Thermostat. Patent dated Jan. 4, 1944. Disclaimer filed Feb. 14, 1947, by the assignee, *Metals & Controls Corporation.*

Hereby enters this disclaimer to claims 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, and 29 in said specification.

T. M. 274,803.—*Stern Brothers,* New York, N. Y. Coats, Suits, Knickers, Dresses, Hosiery, Etc. Registered Sept. 9, 1930. Disclaimer filed June 14, 1946, by the registrant.

Hereby disclaims from the trade-mark fur coats and capes and fur neckpieces.

T. M. 419,954.—*Jose B. Calva,* Minneapolis, Minn. Hats and Caps for Men, Women and Children, Fur Coats, and Men's and Women's Slippers Made in Whole or in Part of Sheep Skin. Registered Mar. 12, 1946. Disclaimer filed January 21, 1947, by the registrant.

Hereby enters this disclaimer of the use of the trade-mark on or in connection with hats and caps for men, women, and children.

Notice of Cancellation

U. S. Patent Office, *Washington, D. C., Feb. 5, 1947.*

Cherlax Co., its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Ormont Drug & Chemical Co. Inc., 36—31 33rd St., Long Island City, New York, N. Y., to effect the cancellation of trade-mark registration of Cherlax Co., 1109 Elizabeth Ave., Elizabeth, N. J., No. 267,524, dated February 25, 1930, and the notice of such proceeding sent by registered mail to the said address having been returned by the post office undeliverable, notice is hereby given that unless said Cherlax Co., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the Official Gazette for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,290,370. Garment. Patented July 21, 1942. Shirts and other garments are provided with a crotch attachment to prevent pulling out or bulging at the waistline. An inner waistband is attached to the shirt back, the loose ends of which may be adjusted and fastened for proper fit. A crotch portion is attached to the bottom of the back of the shirt and buttoned to the lower portion of the shirt front. To prevent undue stretching of the shirt material, a pair of reinforcing strips extend angularly for a short distance from the waistband to the crotch portion. (Owner) Samuel Fox, 102-45 63rd Ave., Forest Hills, Long Island, N. Y. Group 23-21-35. Reg. No. 5,189.

Pat. 2,324,155. Outlet Box. Patented July 13, 1943. Outlet box has knock-out discs which may be reused if it is desired to reclose the holes of the outlet box. (Owner) Robert E. Haynes, 131 North Ave. 54, Los Angeles 42, Calif. Group 36—11. Reg. No. 5,190.

Pat. 2,374,993. Outlet Collar Flange. Patented May 1, 1945. A means for replacing old fixtures with new installations without cutting away a portion of a ceiling to give access to a hanger bar from which the fixture is ordinarily suspended. An elongated plate (narrow enough to pass through an already existing ceiling hole) is

clamped to a base plate having an opening which registers with the first named plate. A collar integrally formed with the base plate is passed through the opening and has means to support the fixture or the like. (Owner) Robert E. Haynes, 131 North Ave. 54, Los Angeles 42, Calif. Group 36—11. Reg. No. 5,191.

Pat. 2,406,295. Mounting for Switches and the Like. Patented Aug. 20, 1946. A mounting for electrical appliances such as switch boxes is used in combination with the appliance in such cases where the wall opening is too large for the standard size switch box. Comprises an I-shaped yoke, portions of which may be broken off, as necessary, to fit the wall opening provided. (Owner) Robert E. Haynes, 131 North Ave. 54, Los Angeles 42, Calif. Group 36—11. Reg. 5,192.

Pat. 2,406,258. Piston. Patented Aug. 20, 1946. Group 35—19. Reg. No. 5,193.

Pat. 2,406,511. Piston. Patented Aug. 27, 1946. Group 35—19. Reg. No. 5,194.

These two patents relate to the construction of a piston for an internal combustion engine of the four-cycle type. Basically, the piston reciprocates about a sleeve connected to a wrist pin and connecting rod in the usual manner. By permitting the piston to travel beyond the stroke of the connecting rod with a cushioning operation in either direction as well as a floating support for the piston, several advantages are claimed. The piston tends to develop greater efficiency and power with a decrease in engine weight, permits the use of lower octane fuels, etc. Inventor has mathematical data available. (Owner) William A. Roth, 187 Fuller Ave., St. Paul 3, Minn.

Pat. 2,407,065. Ray Projector. Patented Sept. 3, 1946. Projector is used to determine the exact position of a distant and invisible object by the generation and projection of high frequency radio waves (approximately 800 megacycles). Used with a receiver or like apparatus, a narrow beam is emitted and restricted to cover a small target. In some cases the projector may be mounted to oscillate through an arc of 45 degrees. The device has numerous applications. It may be used to detect the exact position of an airplane, ship at sea, mountains, etc. Especially adaptable to blind flying since weather conditions have no effect on the projector. (Co-owner) Daniel J. McCarthy, Room 2232, 420 Lexington Ave., New York 17, N. Y. Group 36—92. Reg. No. 5,195.

Pat. 2,406,322. Matrix Filler. Patented Aug. 27, 1946. A machine designed for skiving counter stiffeners of shoes. The primary object of the invention is to provide fillers having recesses of various sizes and designs, the fillers being constructed so that they may be readily removed and replaced or so that the machine may be readily converted for constructing counter stiffener blanks of various sizes and designs without removing the matrix and replacing it with a matrix of a different size or design. (Owner) Andrew W. Davis, 1201 Rhoads St., P. O. Box 207, Madison, Ill. Group 35—59. Reg. No. 5,196.

The twenty-four patents listed below relate to automatic multi-record phonographs enclosed in a cabinet of suitable design for selectively playing the records. The phonographs may be provided with a plurality of push buttons or keys, including a canceling key, and be coin-operated and remotely controlled. A plurality of records may be pre-selected and played in the order of their selection, or if no selection is made, the records may be played in succession. (Owner) The Rudolph Wurlitzer Co., Patent Dept., North Tonawanda, N. Y. Group 36—61. Reg. Nos. 5,197-5,220.

Pat. 2,096,718. Automatic Phonograph. Patented Oct. 26, 1937.

Pat. 2,132,993. Automatic Phonograph. Patented Oct. 11, 1938.

Pat. 2,097,288. Automatic Phonograph. Patented Oct. 26, 1937.

Pat. 2,205,268. Automatic Phonograph. Patented June 18, 1940.

Pat. 2,275,033. Automatic Selective Phonograph. Patented Mar. 3, 1942.

Pat. 2,287,560. Automatic Phonograph. Patented June 23, 1942.

Pat. 2,283,840. Automatic Phonograph. Patented May 19, 1942.

Pat. 2,211,425. Automatic Phonograph. Patented Aug. 13, 1940.

Pat. 2,290,518. Automatic Phonograph. Patented July 21, 1942.

Pat. 2,158,295. Automatic Phonograph. Patented May 16, 1939.

Pat. 2,095,431. Coin Slide Device. Patented Oct. 12, 1937.

Pat. 2,179,325. Coin Lock Device. Patented Nov. 7, 1939.

Pat. 2,243,622. Remote Control System for Phonographs and the Like. Patented May 27, 1941.

Pat. 2,345,545. Selector Mechanism for Automatic Phonographs. Patented Mar. 28, 1944.

Pat. 2,259,156. Sequence Selector for Automatic Phonographs. Patented Oct. 14, 1941.

Pat. 2,283,841. Clutch Control Mechanism. Patented May 19, 1942.

Pat. 2,244,157. Tone Arm Control Mechanism for Phonographs. Patented June 3, 1941.

Pat. 2,259,251. Tone Arm Trip Mechanism for Automatic Phonographs. Patented Oct. 14, 1941.

Pat. 2,220,435. Automatic Phonograph. Patented Nov. 5, 1940.

Pat. 2,249,246. Selector Mechanism for Automatic Phonographs. Patented July 15, 1941.

Pat. 2,251,381. Automatic Phonograph. Patented Aug. 5, 1941.

Pat. 2,308,880. Automatic Phonograph. Patented Jan. 19, 1943.

Pat. 2,236,785. Automatic Phonograph. Patented Apr. 1, 1941.

Pat. 2,288,526. Automatic Phonograph. Patented June 30, 1942.

The following brief descriptions are indicative of the general mechanisms employed:

In the machine of Patent 2,096,718 the records, which may have individual trays, are supported in a stack on a turntable which is adapted to be elevated to variable heights to bring a preselected record into playing position relative to the tone arm. A pair of vertically and laterally movable arms with fingers for engaging the peripheral edges of the records or trays separate the stack above a preselected record and elevate and support that portion of the stack to provide an operating clearance space for permitting the tone arm to swing laterally and vertically into and out of playing position. After a record has been played the stack and turntable are restored to their initial position preparatory to playing the next selection. Selector mechanism including a plurality of push buttons, motor and control circuits are also provided. A switch for canceling or arresting the playing of a preselected record is also included. Modifications of the various mechanisms of the above machine are shown in several other patents. Provision is also made for playing a stack of either 10- or 12-inch records.

Patent 2,132,993 shows mechanism in which a vertically movable, hollow spindle is disposed axially in the turntable shaft for selectively splitting, elevating and supporting that portion of the stack above the pre-selected record. After the record has been played the spindle restores the stack to original position. Ball latches are adapted to be projected outwardly through openings in the walls of the spindle to provide a shoulder for engaging the edges of the records (division plates or trays) at their usual hole in the center. Turntable does not move vertically but tone arm is pivotally adjustable to swing to proper elevations for engaging various records in the stack.

In Patent 2,097,288 the tone arm is automatically adjustable to move vertically as it swings into and out of the space between the split stack for operative engagement with a selected record. Turntable does not move vertically.

In Patents 2,205,268, 2,275,033, and 2,287,560 a plurality of records may be selectively played on either side in accordance with the selections made. The records are held edgewise in a movable, vertical rack or magazine. A carrier receives a selected record from the rack and swings it bodily into playing position on a turntable, the record being turned from a vertical to a horizontal position during such transfer. The carrier remains with the record on the turntable while it is being played and then transfers it back to its initial position in the rack. If no selection is made the records may be played successively on one side and then on the other as long as machine operates. Stack may comprise either 10- or 12-inch records.

In Patent 2,283,840 a record of larger diameter, such as a 12-inch record may be manually placed on a stack of 10-inch records, and this larger record played as long as machine continues to operate. The larger record on the stack automatically renders inoperative the record changing mechanism for selectively playing the stack of smaller records.

In Patent 2,211,425 any record in a group pre-selected from a stack may be played and replayed without disturbing the playing of other selections previously included in the group.

In Patent 2,290,518 a stack of records on a turntable may be played in succession from the top down and repeated playing of the stack continued as long as the machine continues to operate. After each record has been played it is individually elevated to a storage and supporting structure disposed axially over the turntable to provide a clearance space for the swinging tone arm. When the last record has been played and elevated, the stack is automatically released and restored to its original position on the turntable. If desired, the stack may contain either 10- or 12-inch records.

Patent 2,243,622 shows a remote control system for automatic phonographs which may be adapted to standard machines without substantial modification of the machines. The system includes a control box having a coin slot and a plurality of push buttons.

In Patent 2,158,295 a stack of records placed on a turntable may be played in succession from the top down without manual attention. After a record has been played it is shifted laterally from the stack by a swinging arm into a suitable chute or receptacle. Stack is manually replaced on turntable.

Patents 2,095,431 and 2,179,325 show coin slide mechanisms which will not operate except upon insertion of the proper coin. In Patent 2,095,431 the slide will stop at a predetermined point without jamming the mechanism when slugs, etc., are used. In Patent 2,179,325 the mechanism will reject a combination of a coin and foreign object, such as match stem, salt, etc., and eject them from the slide without jamming.

Pat. 2,021,843. Automatic Tuning Changer for Radio Receiving Sets. Patented Nov. 19, 1935. Changer is operatively associated with the wave change switch. Movement of the switch simultaneously moves a friction wheel radially, either outwardly or inwardly, on the face of a tuning disc attached to the shaft of the condenser so that when the tuning button is manipulated in the usual manner the disc will rotate at different speeds depending upon the selected wave length. A small disc on shaft of tuning button frictionally turns the wheel which in turn frictionally turns the tuning disc. (Owner) The Rudolph Wurlitzer Co., Patent Dept., North Tonawanda, N. Y. Group 36—61. Reg. No. 5,221.

Pat. 2,160,566. Side Band Suppressed Tuning for Radio Receiving Systems. Patented May 30, 1939. This patent refers to a system in which the output of the receiver is controlled. When the tuning knob of the set is adjusted for a given station setting, the set is maintained absolutely silent unless tuned to a carrier frequency or to its immediately adjacent side bands. Reception may be had only when the receiver is tuned substantially dead on the carrier. By eliminating all interference and maintaining the receiver silent between stations and permitting reception only when tuned to its carrier frequency, etc., the circuit arrangement enables receivers of extreme sensitivity to be made without the usual tuning objections. (Owner) The Rudolph Wurlitzer Co., Patent Dept., North Tonawanda, N. Y. Group 36—61. Reg. No. 5,222.

Pat. 1,978,651. Tuning Indicator for Radios. Patented Oct. 30, 1934. A combined indicator and light shield which excludes all light from the dial scale with the exception of a spot at the tip of the indicator. A light bulb is affixed behind an opening in the shield and carried thereby. An apertured sleeve or tube may surround the bulb and the shield may have rearwardly extending wings. Indicator and shield move as a unit and may be integrally formed. (Owner) The Rudolph Wurlitzer Company, Patent Dept., North Tonawanda, N. Y. Group 36—61. Reg. No. 5,223.

United States Government Owned Patent

The following patent, owned by the United States Government, as represented by the Secretary of the Interior, is available for licensing, upon a non-exclusive, royalty-free basis:

Pat. 2,411,157. Means for Collecting Gas Analysis Samples. Patented Nov. 19, 1946. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) The sampler comprises an evacuated glass container housed within a perforated casing which is lowered by a three-wire cable into such restricted sampling spaces as the hold of a ship (after fumigation) and deep bore holes of a mine (after fires). The tip of the container is easily broken by a solenoid-associated plunger so that the gas to be sampled may be quickly drawn into the container. The container is resealed by wax held within a cup supported by a shaft normally restrained by an electrically controlled latch. Group 39—11. Reg. No. 5,224.

Regulations under which licenses are granted are issued by the Secretary of the Interior. Applications for licenses should be made to the Solicitor, Department of the Interior, Washington 25, D. C.

Correction

Pat. 2,079,955. Beacon Sunray Light. Patented May 11, 1937. An ornamental street lamp especially adapted for park use. The post and base may be of conventional design or shape. The light bulb of the lamp is placed within a circular band having a series of minute central openings which extend around the band. A pair of transparent concavo-convex disks are held by the band to form a globe. When illuminated, rays of light pass through the minute openings to provide a halo of light around the globe so that the lamp is given an attractive appearance. (Owner) Mary Ellen Woodward, 315 East Sixth St., Lexington 2, Ky. Group 32—29. Reg. No. 5,104.

TRADE-MARKS

OFFICIAL GAZETTE, MARCH 11, 1947

[Vol. 596. No. 2]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 483,435. Mutation Mink Breeders Association, Elkhorn, Wis. Filed May 16, 1945.

Blufrost

FOR MINK PELTS.
Claims use since Jan. 21, 1945.

Ser. No. 502,061. Celluplastic Corporation, Newark, N. J. Filed May 14, 1946.

VICTOSEAL

Applicant is owner of Reg. No. 424,360.
FOR PLASTIC MATERIALS AND SYNTHETIC RESINS MANUFACTURED IN SHEET, ROD, AND TUBE FORM.
Claims use since March 1946.

CLASS 2

RECEPTACLES

Ser. No. 513,961. Elizabeth Arden Sales Corporation, New York, N. Y. Filed Dec. 10, 1946.

GOLD RUSH

The word "Gold" is disclaimed apart from the mark, except in the relation and association shown.
FOR COMPACTS AND LIPSTICK CASES, MADE OF PLASTICS AND BASE METALS, SOLD EMPTY IN TRADE.
Claims use since Feb. 1, 1946.

Ser. No. 514,680. Associated Products, Inc., Chicago, Ill. Filed Dec. 23, 1946.

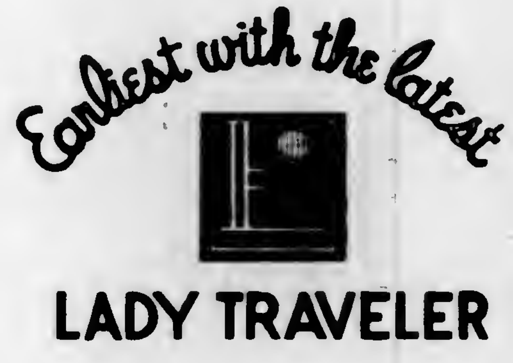
JADESTICK

FOR UNFILLED LIPSTICK HOLDERS MADE OF PLASTIC MATERIALS.
Claims use since Aug. 19, 1946.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 505,955. Harmony Bag Co., Inc., New York. N. Y. Filed July 20, 1946.

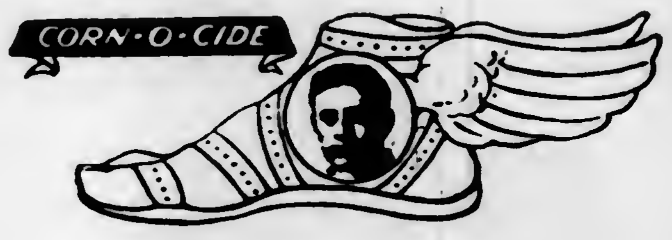


No claim is made to the word "Latest" apart from the mark. The drawing is lined for the color red.
FOR LADIES' HANDBAGS.
Claims use since June 1, 1946.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 493,914. Brown-Vaughan Pharmacal Co., San Francisco, Calif. Filed Dec. 27, 1945.



The portrait is that of Dr. Walter Ernst Brown-Vaughan, a member of the applicant firm. The word "Corn" is disclaimed apart from the mark.
FOR MEDICATED SOAP COMPOUND FORTIFIED WITH AROMATIC OILS.
Claims use since March 1928.

Ser. No. 497,191. Pamar Manufacturing Co., Los Angeles and Arroyo Grande, Calif. Filed Feb. 25, 1946.

PAMAR

FOR CLEANING COMPOUNDS FOR RUGS, UPHOLSTERY, WINDOWS, WALLS, WOODWORK, AND FLOORS.
Claims use since Dec. 1, 1945.

Ser. No. 497,618. Herbert H. McJunkin, doing business as Cle Products Company, Dallas, Tex. Filed Mar. 4, 1946.

CLE PRODUCTS

The word "Products" is disclaimed apart from the mark.
FOR DRY COMPOUND FOR GENERAL WASHING AND CLEANING—NAMELY, FOR HOUSEHOLD APPLIANCES AND EQUIPMENT, WALLS AND FLOORS AND COVERINGS THEREFOR AND FOR GENERAL WASHING AND CLEANING PURPOSES.
Claims use since July 28, 1943.

Ser. No. 498,834. Earnest O. Gillam, doing business under the name of Gillam Soap Works, Fort Worth, Tex. Filed Mar. 23, 1946.

EGO

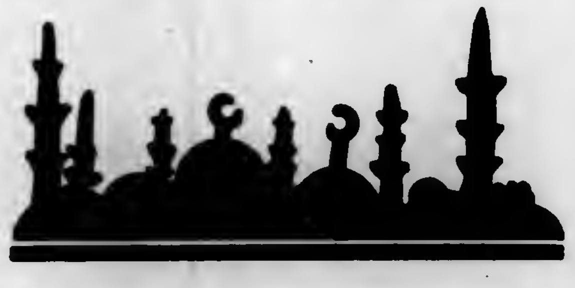
FOR SOAP.
Claims use since Jan. 1, 1946.

Ser. No. 501,625. Clorox Chemical Co., Oakland, Calif. Filed May 10, 1946.

Boon

FOR LIQUID PREPARATION FOR GENERAL CLEANING PURPOSES.
Claims use since Apr. 23, 1946.

Ser. No. 502,327. Harry Prince, doing business as Royal Chemical Products Co., Troy, N. Y. Filed May 17, 1946.



FOR RUG SHAMPOO AND UPHOLSTERY CLEANER.
Claims use since July 1, 1938.

Ser. No. 502,541. Stapo Chemical Co., Los Angeles, Calif. Filed May 21, 1946.

STAPO

FOR HAND CLEANER.
Claims use since Aug. 1, 1933.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 475,203. Galen Laboratories, Pittsburgh, Pa. Filed Oct. 11, 1944.

Cool Step

No claim is made to the word "Cool" apart from the mark.
FOR FOOT POWDER.
Claims use since Sept. 25, 1944.

Ser. No. 487,108. W. B. Associates, New York, N. Y. Filed Aug. 13, 1945.

Softol

FOR CUTICLE LUBRICANTS.
Claims use since July 15, 1941.

Ser. No. 489,815. Henry S. Miles, Brooklyn, N. Y. Filed Oct. 11, 1945.

Je L'Ai

FOR PERFUMES, PERFUME EXTRACTS, TOILET WATER, FACE POWDER, TALCUM POWDER, EAU DE COLOGNE, SACHET POWDER, CLEANSING CREAM, FACE LOTION, HAND LOTION, ROUGE, LIP STICKS, AND BATH SALTS.
Claims use since August 1945.

Ser. No. 489,853. Jacqueline Cochran, New York, N. Y. Filed Oct. 12, 1945.

TARTAN RED

Applicant disclaims any exclusive right to the term "Red" apart from the mark.
FOR LIPSTICK.
Claims use since July 9, 1945.

Ser. No. 491,869. Henry L. McCandless, doing business as Live Longer Medicine Company, Longview, Tex. Filed Nov. 19, 1945.

LIVE LONGER

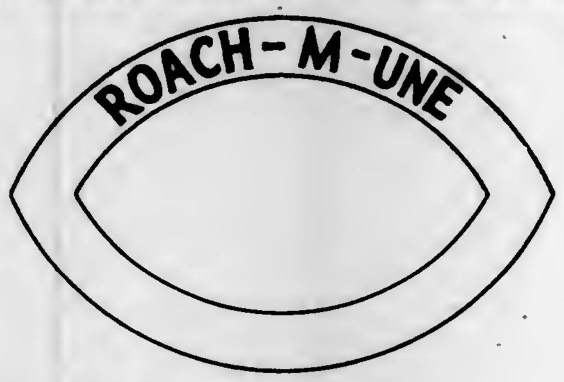
FOR LINIMENT FOR EXTERNAL USE IN THE TREATMENT OF RHEUMATISM, MUSCULAR STRAIN, NEURALGIA, AND CHEST COLDS.
Claims use since Nov. 15, 1921.

Ser. No. 492,609. Seymour Winston, doing business as Winston Products Co., New York, N. Y. Filed Dec. 3, 1945.

ALUAC

FOR ANTISEPTIC CREAMS AND POWDERS TO RELIEVE ITCHING AND TO PROMOTE HEALING OF EXTERNALLY CAUSED SKIN ERUPTIONS.
Claims use since May 1, 1944.

Ser. No. 495,521. Lipman Stahl, doing business as Stahl's Service, Philadelphia, Pa. Filed Jan. 26, 1946.



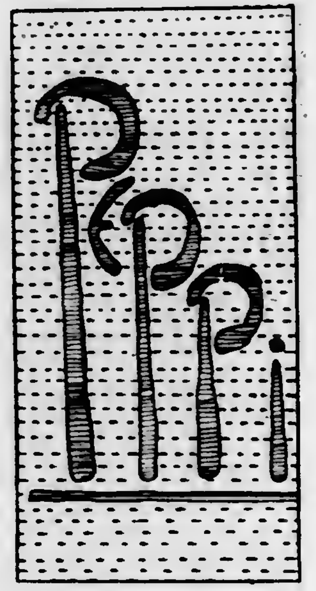
The word "Roach" is disclaimed.
FOR INSECTICIDE.
Claims use since Mar. 1, 1930.

Ser. No. 496,426. Charles Greenberg, doing business as Charles Pharmacal Co., Brooklyn, N. Y. Filed Feb. 12, 1946.

DEXOBE

FOR MEDICAL PREPARATION FOR REDUCING WEIGHT.
Claims use since Dec. 22, 1945.

Ser. No. 497,570. Joseph Rubenstein, Chicago, Ill. Filed Mar. 2, 1946.



The drawing is lined for the colors silver and blue. No claim is made to the representation of the label, per se.
FOR PERFUMES.
Claims use since Aug. 15, 1939.

Ser. No. 499,247. Eli Lilly and Company, Indianapolis, Ind. Filed Mar. 29, 1946.

ALPHALIN

FOR MEDICINAL PREPARATION CONTAINING VITAMIN A.
Claims use since Feb. 5, 1940.

Ser. No. 499,248. Eli Lilly and Company, Indianapolis, Ind. Filed Mar. 29, 1946.

BETALIN S

No property right is claimed in the letter "S" and applicant disclaims any right to said portion of the mark, apart from the mark as shown.
FOR MEDICINAL PREPARATIONS OF THIAMIN CHLORIDE.
Claims use since Feb. 15, 1937.

Ser. No. 499,251. Eli Lilly and Company, Indianapolis, Ind. Filed Mar. 29, 1946.

SECONAL SODIUM

No property right is claimed in the word "Sodium" and applicant disclaims any right to said portion of the mark, apart from the mark as shown.

FOR MEDICINAL PREPARATION CONTAINING SODIUM PROPYL-METHYL-CARBINYL ALLYL BARBITURATE AND USEFUL AS HYPNOTICS.

Claims use since Jan. 1, 1942.

Ser. No. 499,292. Louis A. Stern, Los Angeles, Calif. Filed Mar. 29, 1946.

GAMBLE

FOR COLOGNES.

Claims use since July 1, 1945.

Ser. No. 499,962. Ormont Drug & Chemical Co. Inc., New York and Long Island City, N. Y. Filed Apr. 10, 1946.

Ormolac

FOR PREPARATION FOR USE IN TREATMENT OF SKIN IRRITATIONS DUE TO A SPECIAL CONDITION OF RINGWORM KNOWN AS "ATHLETE'S FOOT."

Claims use since Mar. 28, 1946.

Ser. No. 499,997. Fort Dodge Laboratories, Inc., Fort Dodge, Iowa. Filed Apr. 11, 1946.

CLOVITE

FOR VITAMIN SUPPLEMENT FOR VETERINARY USE.

Claims use since September 1939.

Ser. No. 500,001. Fort Dodge Laboratories, Inc., Fort Dodge, Iowa. Filed Apr. 11, 1946.

CAL-DEXTRO

FOR SOLUTION OF CALCIUM AND DEXTROSE FOR VETERINARY USE FOR THE CORRECTION OF BLOOD CALCIUM DEFICIENCIES.

Claims use since 1935.

Ser. No. 500,278. California Spray-Chemical Corporation, Wilmington, Del. Filed Apr. 16, 1946.

ORTHOCIDE

FOR PARASITICIDES—NAMELY, INSECTICIDES, FUNGICIDES, GERMICIDES, HERBICIDES.

Claims use since Mar. 22, 1946.

Ser. No. 500,280. California Spray-Chemical Corporation, Wilmington, Del. Filed Apr. 16, 1946.

ORTHO-PET

FOR PARASITICIDES—NAMELY, INSECTICIDES, FUNGICIDES, GERMICIDES, HERBICIDES.

Claims use since Mar. 22, 1946.

Ser. No. 500,281. California Spray-Chemical Corporation, Wilmington, Del. Filed Apr. 16, 1946.

ORTHO-ROACH

Applicant disclaims the word "Roach" apart from the mark.

FOR PARASITICIDES—NAMELY, INSECTICIDES, FUNGICIDES, GERMICIDES, HERBICIDES.

Claims use since Mar. 22, 1946.

Ser. No. 500,282. California Spray-Chemical Corporation, Wilmington, Del. Filed Apr. 16, 1946.

ORTHO-TOX

Applicant disclaims the word "Tox" apart from the mark.

FOR PARASITICIDES—NAMELY, INSECTICIDES, FUNGICIDES, GERMICIDES, HERBICIDES.

Claims use since Mar. 22, 1946.

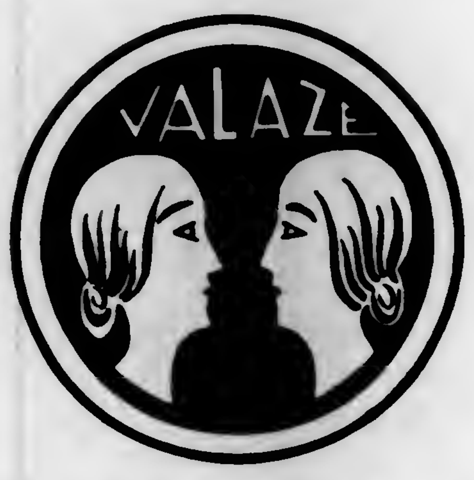
Ser. No. 500,300. General Products Co., Brooklyn, N. Y. Filed Apr. 16, 1946.

Daytex

FOR LAUNDRY CLEANING FLUID CONSISTING OF A PREPARATION WHICH DEODORIZES, BLEACHES, AND DISINFECTS, AND HAVING THE INCIDENTAL FUNCTION OF A CLEANSER.

Claims use since Nov. 19, 1945.

Ser. No. 500,419. Helena Rubinstein, Inc., New York, N. Y. Filed Apr. 17, 1946.



FOR PREPARATION FOR PROTECTING, CLEANSING, BLEACHING, STIMULATING, PRESERVING, RESTORING AND BEAUTIFYING FACE, HANDS, SKIN, AND COMPLEXION. ALSO WASHES AND SHAMPOOS FOR THE HAIR, SCALP AND DANDRUFF.

Claims use since Dec. 1, 1914.

Ser. No. 500,675. Eli Lilly and Company, Indianapolis, Ind. Filed Apr. 22, 1946.

KAOMIN

FOR MEDICINAL PREPARATION CONTAINING KAOLIN AND BISMUTH COMPOUND USED IN THE TREATMENT OF SPASTIC CONDITIONS OF THE INTESTINES. EXCESSIVE INTESTINAL FERMENTATION AND IN CONTROL OF DIARRHEA.

Claims use since July 20, 1929.

Ser. No. 501,120. Kay Daumit, Inc., Chicago, Ill. Filed Apr. 29, 1946.

AMBA-AURA

FOR COLOGNE.

Claims use since Mar. 1, 1946.

Ser. No. 501,195. Onyx Oil & Chemical Company, Jersey City, N. J. Filed Apr. 30, 1946.

ADBAC

FOR DISINFECTANT AND ALSO A SUBSTANCE HAVING THE PROPERTY OF PROMOTING THE DISPERSION OF WATER IN CERTAIN SUBSTANCES PARTICULARLY SOLUTIONS OF SYNTHETIC RESINS IN ORGANIC SOLVENTS SO AS THEREBY TO PRODUCE AQUEOUS EMULSIONS.

Claims use since Jan. 15, 1946.

Ser. No. 501,431. Associated Products, Inc., Chicago, Ill. Filed May 4, 1946.

CLOUD MIST

FOR FACE LOTIONS, SKIN BLEACHES, VANISHING, CLEANSING AND COLD CREAMS, PADS CHEMICALLY IMPREGNATED WITH A CREAM OR LOTION FOR USE IN CLEANSING THE HANDS AND FACE, FACE POWDER, FACE MAKE-UP IN LIQUID FORM, CAKE MAKE-UP, LIPSTICKS, CAKE, LIQUID AND CREAM ROUGES, TALCUM POWDER, NAIL POLISH REMOVER, PADS IMPREGNATED WITH NAIL POLISH REMOVER, CUTICLE SOFTENER, CUTICLE REMOVER, HAND LOTIONS, NAIL POLISHES, HAND CREAMS, HAIR WAX, PADS IMPREGNATED WITH LACQUER FOR USE IN DRESSING THE HAIR, HAIR TONICS, HAIR OIL, BRILLIANTINE (SOLID AND LIQUID), SHAMPOOS, HAIR WAVE LOTIONS, HAIR BLEACHES, POMADES (IN POTS, STICKS AND CAKES), EYEBROW PENCIL, MASCARA, EYE SHADOW, TOILET WATER, PERFUME, CREAM COLOGNE, EAU DE COLOGNE, BATH SALTS, SMELLING SALTS, SACHET POWDERS, DUSTING POWDER, DEODORANTS (LIQUID AND CREAM FORM), PADS IMPREGNATED WITH LIQUID AND CREAM DEODORANTS AND DEPILATORIES IN SOLID, CAKE AND LIQUID FORM.

Claims use since May 25, 1943.

Ser. No. 501,658. Geigy Company, Inc., New York, N. Y. Filed May 8, 1946.

GYCUERO

FOR DYESTUFFS.

Claims use since May 14, 1934.

Ser. No. 501,662. Geigy Company, Inc., New York, N. Y. Filed May 8, 1946.

TINOFIX

FOR CHEMICAL AGENT USED IN THE APPLICATION OF DYES.

Claims use since Feb. 11, 1944.

Ser. No. 501,668. Howard M. Jacobs, doing business as Jacobs Remedy Co., Louisville, Ky. Filed May 8, 1946.

NOKOL

FOR INTESTINAL ASTRINGENT FOR POULTRY.
Claims use since Mar. 25, 1946.

Ser. No. 501,791. Thomas Ung, doing business as United China Trading Co., Los Angeles, Calif. Filed May 9, 1946.

HOLLYWOOD SECRET

No claim is made to the word "Hollywood" apart from the mark.
FOR COLD CREAM, FACE POWDER, HAIR OIL, BRILLIANTINE, HAIR WAVE-SETTING PREPARATION, TOILET WATER, AND HAND LOTION.
Claims use since Apr. 2, 1946.

Ser. No. 501,793. Thomas Ung, doing business as United China Trading Co., Los Angeles, Calif. Filed May 9, 1946.

LADY OF HOLLYWOOD

No claim is made to the word "Hollywood" apart from the mark.
FOR COLD CREAM, FACE POWDER, HAND LOTION, HAIR WAVE-SETTING PREPARATION, TOILET WATER, BRILLIANTINE, AND HAIR OIL.
Claims use since Apr. 2, 1946.

Ser. No. 501,996. McCormick & Co., Incorporated, Baltimore, Md. Filed May 13, 1946.

BEE
BRAND

The word "Brand" is claimed only in the association shown.
FOR INSECTICIDAL SHAMPOO, FLEA AND TICK KILLER, WALL AND SCREEN SPRAY IN THE NATURE OF INSECTICIDES, AND FLEA KILLER.
Claims use on insecticidal shampoo since Feb. 1, 1932; on flea and tick killer since Apr. 1, 1946; on flea killer since Apr. 1, 1946; and on wall and screen spray since Feb. 1, 1937.

Ser. No. 502,256. Henri Bendel, Inc., New York, N. Y. Filed May 17, 1946.

MERRIE MERRIE

The outline representation of the label is disclaimed.
FOR ROUGE AND LIPSTICK.
Claims use since Apr. 23, 1946.

Ser. No. 502,387. The Mennen Company, Newark, N. J. Filed May 18, 1946.

ALAIR

FOR HAIR DRESSING.
Claims use since Apr. 3, 1945.

Ser. No. 502,388. The Mennen Company, Newark, N. J. Filed May 18, 1946.

HEAD UP

FOR HAIR DRESSING.
Claims use since Apr. 3, 1946.

Ser. No. 502,443. Cosmo Longo, doing business as The Lonquin Company, Toronto, Ontario, Canada. Filed May 20, 1946.

LONQUIN

FOR HAIR TONIC.
Claims use since 1930.

502,516. Imperial Chemical Company, Shenandoah, Iowa. Filed May 21, 1946.

DU-AL-CIDE

FOR FUNGICIDES, INSECTICIDE, AND GERMICIDE.
Claims use since Dec. 31, 1945.

Ser. No. 503,044. Associated Products, Inc., Chicago, Ill. Filed May 31, 1946.

RED-WITCH

Applicant disclaims the word "Red" in the mark "Red Witch" apart from the mark.
FOR FACE LOTIONS, SKIN BLEACHES, VANISHING, CLEANSING AND COLD CREAMS, FACIAL CLEANSING PADS IMPREGNATED WITH A CREAM OR LOTION, FACE POWDER, FACE MAKE-UP IN LIQUID FORM, CAKE MAKE-UP, LIPSTICKS, CAKE, LIQUID AND CREAM ROUGES, TALCUM POWDER, NAIL POLISH REMOVER, PADS IMPREGNATED WITH NAIL POLISH REMOVER, CUTICLE SOFTENER, CUTICLE REMOVER, HAND LOTIONS, NAIL POLISHES, HAND CREAMS, HAIR WAX, HAIR LACQUER PADS, HAIR TONICS, HAIR OIL, BRILLIANTINE (SOLID AND LIQUID), SHAMPOOS, HAIR WAVE LOTIONS, HAIR BLEACHES, POMADES (IN POTS, STICKS AND CAKES), EYEBROW PENCIL, MASCARA, EYE SHADOW, TOILET WATER, PERFUME, CREAM COLOGNE, EAU DE COLOGNE, BATH SALTS, SMELLING SALTS, SACHET POWDERS, DUSTING POWDER, DEODORANTS (LIQUID AND CREAM FORM), PADS IMPREGNATED WITH LIQUID AND CREAM DEODORANTS AND DEPILATORIES IN SOLID, CAKE AND LIQUID FORM.
Claims use since Apr. 22, 1946.

Ser. No. 503,448. International Appliance Corp., New York, N. Y. Filed June 7, 1946.

p.x.

FOR INSECTICIDES.
Claims use since May 9, 1946.

Ser. No. 503,937. Primrose House, Inc., New York, N. Y. Filed June 14, 1946.

WITCHES BREW

FOR LIPSTICK, NAIL POLISH, ROUGE, AND PERFUME.
Claims use since October 1945 on lipstick; and since June 7, 1946, on the other goods.

Ser. No. 503,966. Avon Products, Inc., New York, N. Y. Filed June 15, 1946.

JUST FOR FUN

FOR PERFUME.
Claims use since Oct. 25, 1945.

Ser. No. 503,977. Kay Daumit, Chicago, Ill. Filed June 15, 1946.

Su-do

FOR LEG MAKE-UP SIMULATING STOCKINGS.
Claims use since May 1, 1942.

Ser. No. 504,072. Seven Seas Trading Corp., Los Angeles, Calif. Filed June 17, 1946.

CALIPURE

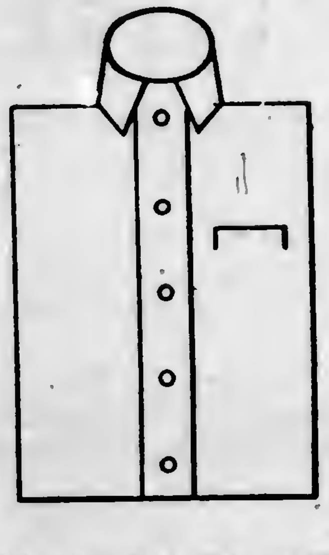
FOR MULTIPLE VITAMIN PRODUCT.
Claims use since Mar. 29, 1946.

Ser. No. 504,337. Kay Daumit, Inc., Chicago, Ill. Filed June 21, 1946.

SU-DO

FOR LEG MAKE-UP.
Claims use since Jan. 10, 1942.

Ser. No. 504,339. Kay Daumit, Inc., Chicago, Ill. Filed June 21, 1946.



FOR COLOGNE AND TALCUM POWDER.
Claims use since Jan. 10, 1942.

Ser. No. 504,527. BARNES-HIND LABORATORIES, San Francisco, Calif. Filed June 25, 1946.

BLINX

FOR ANTISEPTIC WETTING AND CLEANSING SOLUTION TO BE USED WITH PLASTIC CONTACT LENSES.

Claims use since May 9, 1946.

Ser. No. 504,531. DARSYN LABORATORIES, INC., Paterson, N. J. Filed June 25, 1946.

DARSYN

FOR PHARMACEUTICAL CHEMICAL ENTITLED 8-HYDROXY-QUINOLINE ESPECIALLY PREPARED FOR USE AS A FUNGICIDE.

Claims use since June 18, 1946.

Ser. No. 504,592. WINTHROP CHEMICAL COMPANY, INC., New York, N. Y. Filed June 25, 1946

BROSULMIDE

FOR SULFONAMIDE DRUG FOR THE PREVENTION AND TREATMENT OF BACTERIAL INFECTIONS.

Claims use since May 31, 1946.

Ser. No. 504,663. CHARLES EDOUARD, PARFUMEUR, (SOCIÉTÉ À RESPONSABILITÉ LIMITÉE), Paris, France. Filed June 27, 1946.

MON NUMÉRO

FOR PERFUMES, TOILET WATERS, ROUGE, LIPSTICK, AND FACE CREAMS.

Claims use since Jan. 29, 1945.

Ser. No. 504,664. CHARLES EDOUARD, PARFUMEUR, (SOCIÉTÉ À RESPONSABILITÉ LIMITÉE), Paris, France. Filed June 27, 1946.

SIGNET

FOR PERFUMES, TOILET WATERS, ROUGE, LIPSTICK AND FACE CREAMS.

Claims use since Feb. 16, 1945.

Ser. No. 504,707. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y. Filed June 27, 1946.

Mobil-flame

No claim is made to the word "Flame" apart from the mark.

FOR LIQUID PETROLEUM GASES.

Claims use since May 23, 1946.

Ser. No. 504,743. CALIFORNIA SPRAY-CHEMICAL CORPORATION, Wilmington, Del., and Richmond, Calif. Filed June 28, 1946.

VAPOCOP

FOR PARASITICIDES.

Claims use since May 24, 1946; and on VAPO-COP in the hyphenated form since Aug. 11, 1941.

Ser. No. 504,744. CALIFORNIA SPRAY-CHEMICAL CORPORATION, Wilmington, Del., and Richmond, Calif. Filed June 28, 1946.

VAPOSUL

FOR PARASITICIDES.

Claims use since May 24, 1946; and on VAPO-SUL in the hyphenated form since July 31, 1941.

Ser. No. 504,745. CALIFORNIA SPRAY-CHEMICAL CORPORATION, Wilmington, Del., and Richmond, Calif. Filed June 28, 1946.

VAPOTONE

FOR PARASITICIDES.

Claims use since May 24, 1946; and on VAPO-TONE in the hyphenated form since Aug. 21, 1941.

Ser. No. 504,746. CALIFORNIA SPRAY-CHEMICAL CORPORATION, Wilmington, Del., and Richmond, Calif. Filed June 28, 1946.

VOLTEX

FOR PARASITICIDES—NAMELY, INSECTICIDES AND FUNGICIDES.

Claims use since May 24, 1946.

Ser. No. 504,783. THE OHIO CHEMICAL & MFG. CO., Cleveland, Ohio. Filed June 28, 1946.

METOPRYL

FOR NORMAL PROPYL METHYL ETHER.

Claims use since Mar. 8, 1946.

Ser. No. 504,899. THE HUBINGER COMPANY, Keokuk, Iowa. Filed July 1, 1946.

ELECTRIC

FOR LIQUID STARCH FOR LAUNDERING.

Claims use since Sept. 4, 1886.

Ser. No. 504,965. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J. Filed July 2, 1946.

ÉCLAT

FOR COSMETICS AND TOILET PREPARATIONS—NAMELY, PERFUME, TOILET WATER, FACE POWDER, TALC POWDER, LIPSTICK, AND BRILLIANTINE.

Claims use since Feb. 21, 1911.

Ser. No. 504,970. GEIGY COMPANY, INC., New York, N. Y. Filed July 2, 1946.

SULFACOPHEN

FOR PREPARATION FOR THE TREATMENT OF INFECTIONS OF PNEUMOCOCCIC, STAPHYLOCOCCIC, STREPTOCOCCUS VIRIDANS, MENINGOCOCCIC AND B. COLIC.

Claims use since May 29, 1946.

Ser. No. 505,002. PHARMACEUTICAL ORGANICS, INC., New York, N. Y. Filed July 2, 1946.

CORJUVANT

FOR MEDICINAL PREPARATION OF VITAMINS, MINERALS, COENZYMES AND AMINO ACIDS FOR USE AS AN ADJUVANT WITH INDICATED CARDIAC THERAPY.

Claims use since June 5, 1946.

Ser. No. 505,003. PHARMACEUTICAL ORGANICS, INC., New York, N. Y. Filed July 2, 1946.

PANADOL

FOR MEDICINAL PREPARATION COMPOSED OF A DOUBLE SALT OF CALCIUM ASCORBATE ACETYLSALICYLATE WITH VITAMIN K FOR USE AS AN EFFECTIVE ANALGESIC AND ANTI-PYRETIC.

Claims use since Mar. 20, 1946.

Ser. No. 505,016. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed July 2, 1946.

PERTUGLON

FOR ANTIGENIC PREPARATION FOR USE IN THE CONNECTION WITH A RESPIRATORY AILMENT AS WHOOPING COUGH.

Claims use since June 18, 1946.

Ser. No. 505,027. ABBOTT LABORATORIES, North Chicago, Ill. Filed July 3, 1946.

CALCALITH

FOR ANTACID PREPARATION.

Claims use since Dec. 4, 1903.

Ser. No. 505,028. ABBOTT LABORATORIES, North Chicago, Ill. Filed July 3, 1946.

SODOXYLIN

FOR ANTACID PREPARATION.

Claims use since Oct. 1, 1908.

Ser. No. 505,033. AVON PRODUCTS, INC., New York, N. Y. Filed July 3, 1946.

CRADLE SONG

FOR TALCUM POWDER, BABY OIL, AND SKIN CREAM.

Claims use since Apr. 1, 1946.

Ser. No. 505,034. AVON PRODUCTS, INC., New York, N. Y. Filed July 3, 1946.

LAND OF NOD

FOR TALCUM POWDER, BABY OIL, AND SKIN CREAM.

Claims use since Apr. 1, 1946.

Ser. No. 505,036. AVON PRODUCTS, INC., New York, N. Y. Filed July 3, 1946.

SLEEPY TIME

FOR TALCUM POWDER, BABY OIL, AND SKIN CREAM.

Claims use since Apr. 1, 1946.

Ser. No. 505,088. UNITED STATES RUBBER COMPANY, New York, N. Y. Filed July 3, 1946.

DIASMOL

FOR AROMATIC CHEMICAL PERFUME BASE.

Claims use since Mar. 8, 1935.

Ser. No. 505,097. California Spray-Chemical Corporation, Wilmington, Del., and Richmond, Calif. Filed July 5, 1946.

BUX

FOR HERBICIDES.
Claims use since June 13, 1946.

Ser. No. 505,102. Golden Bear Oil Co., Los Angeles, Calif. Filed July 5, 1946.

CALIFLUX

FOR CHEMICAL PREPARATION HAVING PRIMARY USE AS A RUBBER PLASTICIZER BUT NOT LIMITED THERETO IN HAVING A GENERAL USE IN THE INDUSTRIAL AND CHEMICAL ARTS.
Claims use since Jan. 15, 1945.

Ser. No. 505,208. Kelco Company, San Diego, Calif. Filed July 8, 1946.

SUPERLOID

FOR ALGIN PRODUCT FOR USE AS A HYDROPHILIC COLLOID POSSESSING CREAMING, STABILIZING, BODYING, BLOCKING, SUSPENDING AND EMULSIFYING PROPERTIES IN NATURAL AND SYNTHETIC LATICES AND THEIR COMPOSITIONS, CERAMIC BODIES, ADHESIVES, TEXTILE SIZE AND PRINT PASTES, PAPER COATINGS, FIRE RETARDING AND MOLD PROOFING COMPOSITIONS, LEATHER FINISHES, BOILER COMPOUNDS, RESIN EMULSIONS, POLISHES, SEPARATING AND ANTI-STICK COMPOSITIONS AND IN OTHER INDUSTRIAL FIELDS.
Claims use since Dec. 26, 1933.

Ser. No. 505,229. Pharmaceutical Organics, Inc., New York, N. Y. Filed July 8, 1946.

LOROLIN

FOR PREPARATION OF ALKYL-DIMETHYL-BENZYL-AMMONIUM CHLORIDE, COMPRISING A MIXTURE OF HIGH MOLECULAR WEIGHT FOR USE AS AN EFFECTIVE ANTISEPTIC AND GERMICIDICAL PREPARATION.
Claims use since May 23, 1946.

Ser. No. 505,388. René Joseph Bienvenu, doing business as The Pronto Company, Alexandria, La. Filed July 11, 1946.

MINUS

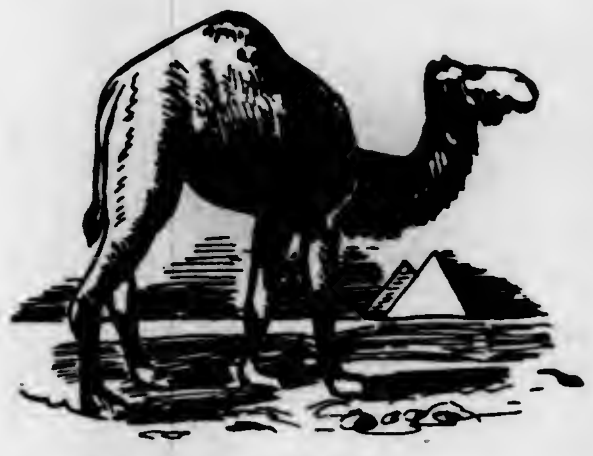
FOR DEODORANT CREAM.
Claims use since Mar. 3, 1946.

Ser. No. 506,252. Monsanto Chemical Company, St. Louis, Mo. Filed July 25, 1946.

1080

FOR CHEMICAL PRODUCTS FOR USE AS RODENTICIDES AND INSECTIVORICIDES.
Claims use since Jan. 10, 1945.

Ser. No. 506,292. Edith M. Campbell, Paris, Ky. Filed July 26, 1946.



FOR PILE LOTION.
Claims use since Jan. 1, 1921.

Ser. No. 506,502. Botany Worsted Mills, Passaic, N. J. Filed July 30, 1946.

Inducement

FOR LIPSTICKS.
Claims use since June 21, 1946.

Ser. No. 506,780. Societe d'Etudes et d'Expansion de la Parfumerie de Luxe, Paris and Asnieres, near Paris, France. Filed Aug. 2, 1946.

brigand

FOR PERFUMES.
Claims use since May 10, 1946.

Ser. No. 509,868. Novocol Chemical Mfg. Co., Inc., Brooklyn, N. Y. Filed Sept. 27, 1946.

NOVOCOL

FOR ANESTHETICS, CHEMOTHERAPEUTIC AGENTS, HYPNOTICS, SEDATIVES, AND STIMULANTS—NAMELY, BENZOCAINE SOLUTION, BENZOCAINE OINTMENT, SULFANILAMIDE TABLETS AND POWDER, SULFATHIAZOLE TABLETS AND POWDER, SULFANILAMIDE-SULFATHIAZOLE TABLETS AND POWDER, PENTOBARBITAL SODIUM TABLETS AND CARTRIDGES CONTAINING METRAZOL, PENTAMETHYLENE TETRASOI

Claims use on benzocaine solution since October 1934; on benzocaine ointment since December 1938; on sulfanilamide tablets and powder since January 1940; on pentobarbital sodium tablets since March 1941; on sulfathiazole tablets and powder since February 1942; on sulfanilamide-sulfathiazole tablets and powder since August 1942; and on metrazol cartridges since March 1942.

Ser. No. 514,143. Sportline, Inc., New York, N. Y. Filed Dec. 12, 1946.

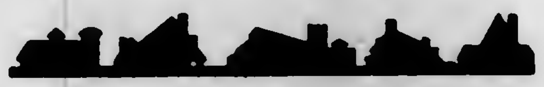
Casual

FOR DUSTING POWDER, TALC, BUBBLE BATH, AND TOILET WATER.
Claims use since Oct. 16, 1945.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 470,407. Certain-Teed Products Corporation, Chicago, Ill. Filed May 19, 1944.

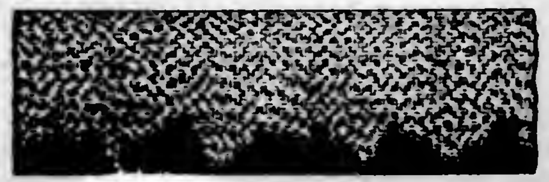


The mark consists of a silhouette of buildings.

FOR ROLL ROOFING, SIDING, AND SHEATHING; AND HEAT AND SOUND INSULATING, LINING, AND BACKING BUILDING PAPERS, AND FELTS.

Claims use on roll roofing since 1919; upon siding since 1930; and upon sheathing and heat and sound insulating, lining and backing building papers and felts since 1918.

Ser. No. 470,408. Certain-Teed Products Corporation, Chicago, Ill. Filed May 19, 1944.

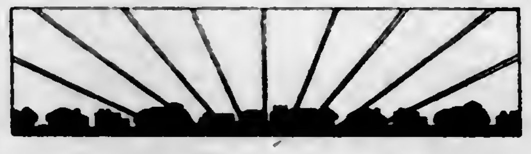


The mark consists of a silhouette of buildings in a row against a yellow skyfield and the drawing is lined to indicate that color.

FOR ROLL ROOFING, SIDING, AND SHEATHING; AND HEAT AND SOUND INSULATING, LINING AND BACKING BUILDING PAPERS, AND FELTS.

Claims use on roll roofing since 1919; upon siding since 1930; and upon sheathing and heat and sound insulating, lining and backing building papers and felts since 1918.

Ser. No. 470,409. Certain-Teed Products Corporation, Chicago, Ill. Filed May 19, 1944.

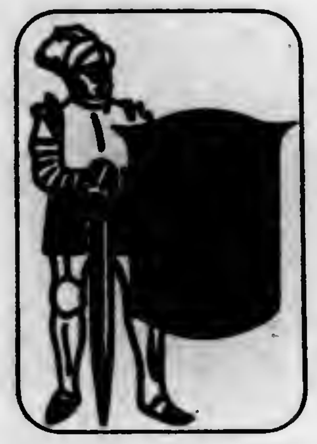


The mark consists of a silhouette of buildings in a row, and a representation of a sunblaze in the skyfield above the building.

FOR CEMENTS, AND PARTICULARLY BITUMINOUS CEMENTS, FOR SECURING TOGETHER COURSES OF ROOFING AND THE LIKE, AND FOR WATERPROOFING AND REPAIRING ROOFS OR SIMILAR STRUCTURES; BITUMINOUS ROOF COATINGS; AND ASBESTOS ROOF COATINGS.

Claims use on bituminous roof coatings, and cements, since 1918; and upon asbestos roof coatings since 1921.

Ser. No. 506,033. Insul-Wool Insulation Corporation, Wichita, Kans. Filed July 22, 1946.



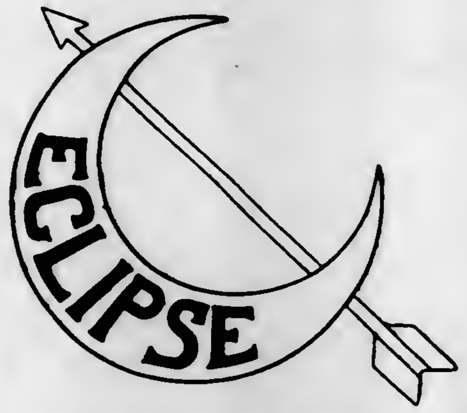
The words "Protection," "Wool," and "Insulation" are disclaimed apart from the mark.

FOR THERMAL INSULATING MATERIAL IN BULK FORM MADE FROM PAPER.
Claims use since Sept. 26, 1945.

CLASS 13

HARDWARE AND PLUMBING AND STEAMFITTING SUPPLIES

Ser. No. 477,053. **Bendix Aviation Corporation**, Teterboro, N. J. Filed Nov. 30, 1944.



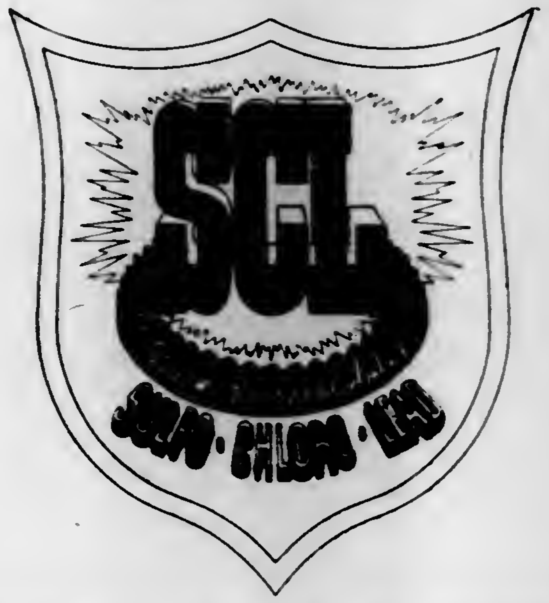
FOR VALVE MECHANISMS DESIGNED ESPECIALLY FOR USE ON AIRCRAFT, COMPRISING FLUID CHECK VALVES, PRESSURE RELEASE VALVES, CONTROL VALVES AND AIR VALVES: FLUID CHECK VALVES, PRESSURE RELEASE VALVES, CONTROL VALVES AND AIR VALVES FOR USE IN THE OPERATING LINES OF INFLATABLE ELEMENTS FOR PREVENTION OF ACCUMULATION OF ICE ON OR THE REMOVAL OF ICE FROM EXPOSED SURFACES OF AN AIRCRAFT; FLUID CHECK VALVES AND CONTROL VALVES FOR USE IN FUEL LINES OR THE LIKE ON AIRCRAFT; AND FLUID CHECK VALVES AND CONTROL VALVES FOR USE IN SUPPLY LINES OF ANTI-FREEZE FLUIDS FOR USE IN THE REMOVAL OF ICE FROM AEROFOIL SURFACES OF AN AIRCRAFT.

Claims use since June 9, 1936.

CLASS 15

OILS AND GREASES

Ser. No. 480,409. **The Elco Lubricant Corporation**, Cleveland, Ohio. Filed Mar. 2, 1945.

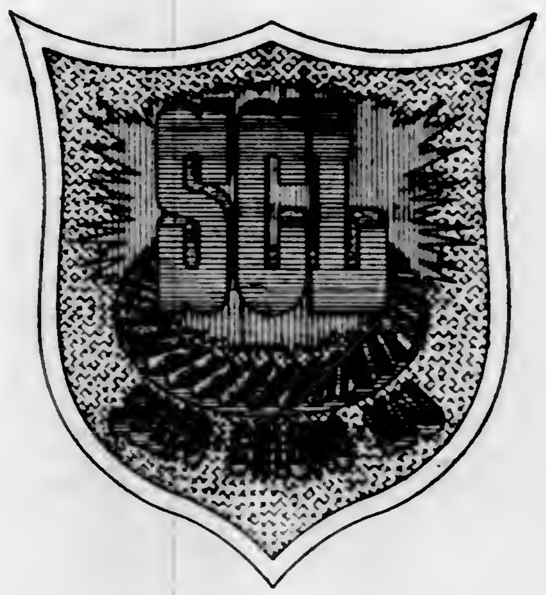


The words "Sulfo-Choloro-Lead" are disclaimed apart from the mark.

FOR LUBRICANT CONCENTRATE WHICH IS ADDED TO MINERAL OILS TO IMPART EXTREME PRESSURE FILM STRENGTH THERETO THEREBY INCREASING THE LOAD CARRYING CAPACITY OF SAID MINERAL OILS TO PREVENT SCORING OF GEAR TEETH, BEARINGS OR OTHER MATING METAL SURFACES.

Claims use since Feb. 21, 1945.

Ser. No. 482,096. **The Elco Lubricant Corporation**, Cleveland, Ohio. Filed Apr. 13, 1945.

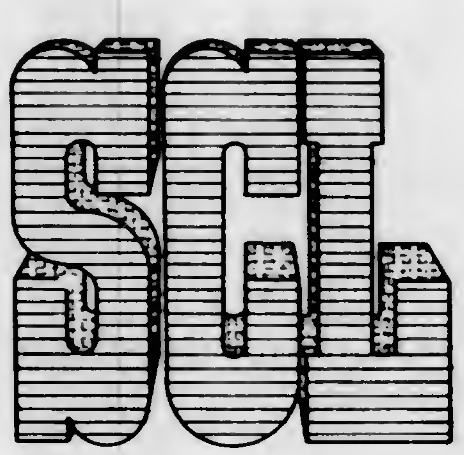


The drawing is lined for orange, red, blue and yellow colors. The words "Sulfo-Chloro-Lead" are disclaimed apart from the mark.

FOR LUBRICANT CONCENTRATE WHICH IS ADDED TO MINERAL OILS TO IMPART EXTREME PRESSURE FILM STRENGTH THERETO THEREBY INCREASING THE LOAD CARRYING CAPACITY OF SAID MINERAL OILS TO PREVENT SCORING OF GEAR TEETH, BEARINGS OR OTHER MATING METAL SURFACES.

Claims use since Feb. 21, 1945.

Ser. No. 482,097. **The Elco Lubricant Corporation**, Cleveland, Ohio. Filed Apr. 13, 1945.



The drawing is lined for blue and yellow colors.

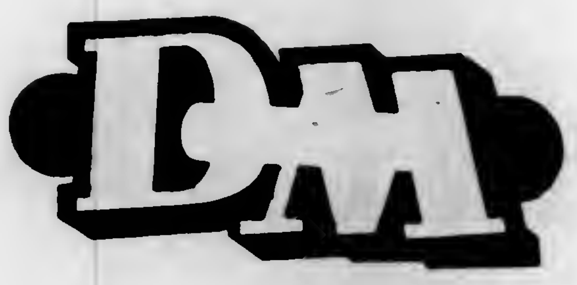
FOR LUBRICANT CONCENTRATE WHICH IS ADDED TO MINERAL OILS TO IMPART EXTREME PRESSURE FILM STRENGTH THERETO THEREBY INCREASING THE LOAD CARRYING CAPACITY OF SAID MINERAL OILS TO PREVENT SCORING OF GEAR TEETH, BEARINGS OR OTHER MATING METAL SURFACES.

Claims use since Feb. 21, 1945.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 483,679. **The H. B. Davis Company**, Baltimore, Md. Filed May 23, 1945.



FOR PAINTS (READY MIXED OR LIQUID, PASTE FORM, AND DRY), PAINT ENMAMELS, JAPANS, VARNISHES, STAINS, AND WOOD FILLERS FOR INDUSTRIAL PURPOSES.

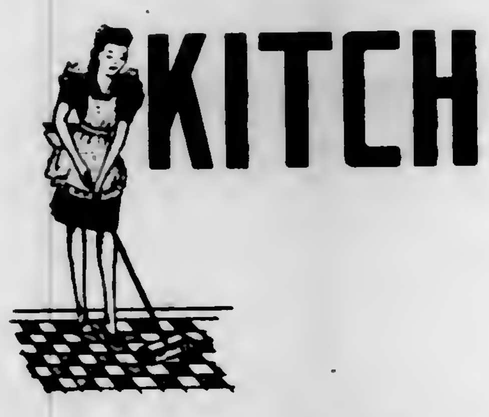
Claims use since Apr. 19, 1945.

Ser. No. 501,197. **Pittsburgh Plate Glass Company**, Pittsburgh, Pa. Filed Apr. 30, 1946.

FOR LIQUID AND PASTE PAINTS, PAINT PRIMERS, PAINT ENAMELS AND LACQUERS, AND VARNISHES.

Claims use since Mar. 29, 1946.

Ser. No. 501,712. **Bruning Brothers**, Baltimore, Md. Filed May 9, 1946.



FOR VARNISH.

Claims use since Jan. 1, 1946.

Ser. No. 501,774. **Pittsburgh Plate Glass Company**, Pittsburgh, Pa. Filed May 9, 1946.

FOR LIQUID AND PASTE PAINTS, PAINT PRIMERS, PAINT ENAMELS AND LACQUERS, AND VARNISHES.

Claims use since Apr. 30, 1946.

Ser. No. 502,555. **Binney & Smith Company**, New York, N. Y. Filed May 22, 1946.

FOR DRY POWDER TO BE USED AS A PAINT WHEN MIXED WITH WATER.

Claims use since May 13, 1946.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 504,584. **Salmon Management Co., Inc.**, New York, N. Y. Filed June 25, 1946.

FOR SMOKING TOBACCO, CIGARS, AND CIGARETTES.

Claims use since June 10, 1946.

CLASS 19

VEHICLES

Ser. No. 499,662. **Servaire Corporation**, Norwood, Mass. Filed Apr. 4, 1946.

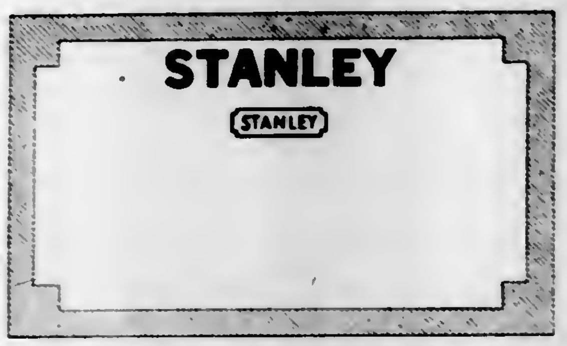
FOR AIRPLANE STRUCTURAL PARTS, COMPONENTS AND ACCESSORIES—NAMELY, AIRPLANE WINDSHIELDS, WHEELS, CABLES, STRUTS, COVERINGS, PROPELLERS, AND WING, FUSELAGE, EMPENNAGE, AND WHEEL FAIRINGS.

Claims use since Feb. 5, 1946.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 486,228. **The Stanley Works**, New Britain, Conn. Filed July 24, 1945. Under section 5b of the act of 1905 as amended in 1920 as to "Stanley."



The mark consists of a rectangular or oblong panel with notched corners, the border being gray-green color, with the name "Stanley" and "Stanley" in a notched oblong in letters of the same color on a white field. The lining on the drawing indicates the color green.

FOR UNITARY PORTABLE HAND OPERATED ELECTRIC SAWS, DRILLS, SHEARS, HAMMERS, SANDERS, GRINDERS, SCREW DRIVERS, ROUTER-SHAPERS, BEADING AND FLUTING ATTACHMENTS, AND ROUTERS.

Claims use since July 1940 on saws; since August 1940 on drills, shears and hammers; since December 1940 on sanders; and since June 1945 on the remaining goods.

Ser. No. 494,982. **B. & P. Swift, Limited**, London, England. Filed Jan. 18, 1946.

SYNCHROMO

FOR ELECTRO-MECHANICAL APPARATUS FOR USE IN ASSISTING AND PROVIDING LOAD WEIGHT RELIEF FOR PILOTS AND ENGINEERS IN THE DIRECT OR REMOTE CONTROL MECHANICAL OPERATION OF FLIGHT AND THROTTLE CONTROLS OF AIRCRAFT AND OF THROTTLE AND STEERING AND SIMILAR CONTROLS IN LAND AND WATER CRAFT; AND LIKE APPARATUS FOR SOLE REMOTE OR POWER ACTUATED OR ASSISTED OPERATION OF ENGINE AND ANCILLARY CONTROLS.

Claims use since July 15, 1942.

Ser. No. 502,362. **Air Reduction Sales Company**, New York, N. Y. Filed May 18, 1946.

FOR ELECTRIC ARC WELDING MACHINES, PARTS AND ACCESSORIES THEREFOR INCLUDING ELECTRODE HOLDERS.

Claims use since 1938 on electrode holders and wire brushes; and since Aug. 9, 1944, on electric arc welding machines.

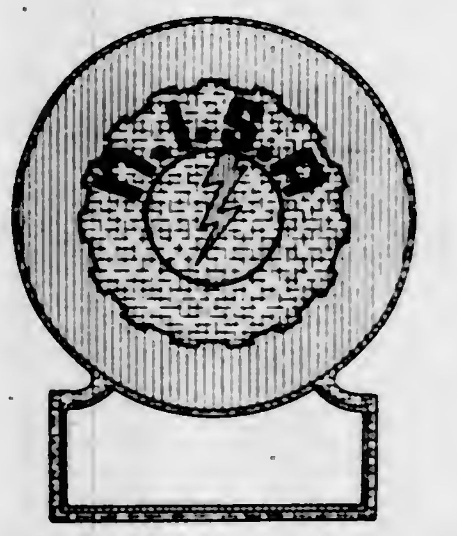
Ser. No. 503,269. **David W. Van Gieson**, New York, N. Y. Filed June 4, 1946.

Fluorcsign

FOR ELECTRICAL ILLUMINATED SIGNS.

Claims use since May 22, 1946.

Ser. No. 504,503. **National Industrial Service Association, Inc.**, St. Louis, Mo. Filed June 24, 1946. Under the act of February 20, 1905, as amended June 10, 1938.



The mark is used with red and yellow coloration as shown by the drawing.

FOR REBUILT ELECTRIC MOTORS.

Claims use since Feb. 25, 1946.

Ser. No. 506,673. **Albert Kurtzon**, doing business as Al-K-Co Manufacturers, Chicago, Ill. Filed Aug. 1, 1946.

AL-K-CO

FOR INDUSTRIAL, STORE, AND HOUSEHOLD LIGHTING FIXTURES.

Claims use since Apr. 1, 1946.

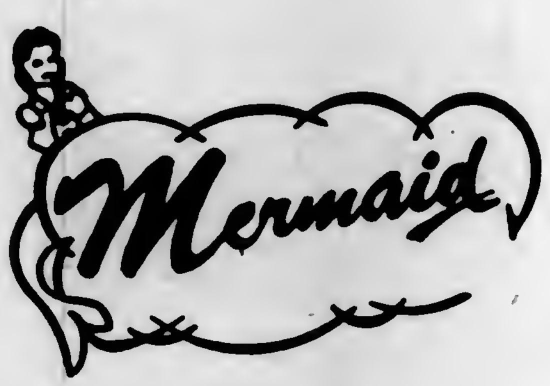
Ser. No. 506,871. **Hershey Mfg. Co.**, Chicago, Ill. Filed Aug. 5, 1946.

Vitabrush

FOR ELECTRICALLY OPERATED HAIR BRUSHES.

Claims use since November 1940.

Ser. No. 507,128. **Hope Products, Inc.**, St. Louis, Mo. Filed Aug. 9, 1946.



FOR ELECTRIC STEAM IRONS.

Claims use since July 30, 1946.

Ser. No. 507,176. **William Lamp Corporation**, Chicago, Ill. Filed Aug. 9, 1946.

CORONET

FOR ELECTRIC LAMPS AND ELECTRIC LAMP SHADES.

Claims use since January 1940.

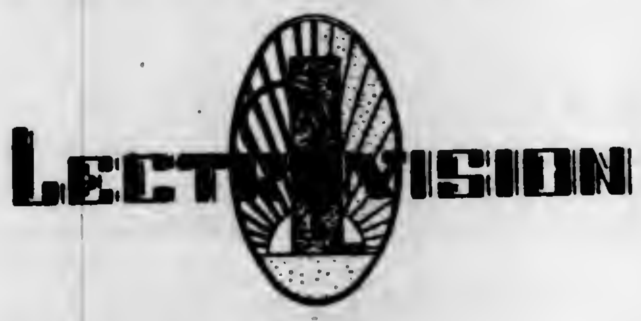
Ser. No. 507,187. **W. Wesley Hicks**, San Francisco, Calif. Filed Aug. 10, 1946.

IONATOMIC

FOR ELECTRIC SPACE HEATER.

Claims use since July 20, 1946.

Ser. No. 507,407. **Lectrovision Inc.**, New Rochelle, N. Y. Filed Aug. 14, 1946.



FOR CATHODE RAY TUBES.

Claims use since February 1946.

Ser. No. 507,449. **The Woolectra Blanket Mfg. Company**, Piqua, Ohio. Filed Aug. 14, 1946.

WOOLECTRA

FOR ELECTRICALLY HEATED WOOLEN BLANKETS.

Claims use since May 3, 1946.

Ser. No. 507,469. **General Cable Corporation**, New York, N. Y. Filed Aug. 15, 1946.

GENTEX

FOR BARE AND INSULATED ELECTRIC WIRES AND CABLES.

Claims use since June 14, 1946.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 494,835. **Gardel Industries**, New York, N. Y. Filed Jan. 16, 1946.

MELODY
MAIDS

FOR DOLLS.

Claims use since September 1945.

Ser. No. 514,716. **Sidney D. Short**, doing business as National Metal Products, Detroit, Mich. Filed Dec. 23, 1946.

SILVER-DEMON

Applicant disclaims the exclusive right to use the word "Silver" apart from the mark.

FOR ARTIFICIAL BAIT, FISH LURES, AND PARTS THEREOF.

Claims use since Mar. 1, 1936.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 494,255. **Dannie D. Birt**, doing business as Dandee Manufacturing Company, Guymon, Okla. Filed Jan. 4, 1946.

Dandee

FOR AGRICULTURAL LOADING MACHINES FOR LOADING BULK GRAIN.

Claims use since January 1945.

Ser. No. 497,312. THE IRWIN AUGER BIT COMPANY, Wilmington, Ohio. Filed Feb. 27, 1946.

IRWINOID

FOR SCREW DRIVERS HAVING PLASTIC HANDLES.
Claims use since Nov. 1, 1937.

Ser. No. 502,307. R. G. LE TOURNEAU, INC., Stockton, Calif. Filed May 17, 1946.

TOURNALAYER

FOR PORTABLE, HOUSE FORM ASSEMBLY, TOGETHER WITH A TRACTOR-DRAWN LIFTING AND TRANSPORT TRAILER THEREFOR.
Claims use since Feb. 26, 1946.

Ser. No. 503,572. HOOF PRODUCTS COMPANY, Chicago, Ill. Filed June 10, 1946.

Fleetwind

FOR MINIATURE INTERNAL COMBUSTION ENGINES FOR TOY AIRPLANES.
Claims use since Jan. 3, 1946.

Ser. No. 503,617. THE UNION FORK & HOE COMPANY, Columbus, Ohio. Filed June 10, 1946.

ALLIANCE

FOR FIELD, GARDEN AND LAWN TOOLS—NAMELY, AXES, CULTIVATORS, CUTTERS, DRAGS, LAWN EDGERS, FORKS, HOES, RAKES, SCOOPS, SCRAPERS, SHOVELS, TROWELS, WEEDERS AND TOOL HANDLES AND PARTS THEREOF.
Claims use since Apr. 1, 1946.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 503,190. CLARVAN CORPORATION, Milwaukee, Wis. Filed June 3, 1946.

IRON-AID

Applicant disclaims the use of the word "Iron" apart from the mark.
FOR METALLIC SHEET USED BETWEEN AN IRONING BOARD PAD AND AN IRONING BOARD COVER.
Claims use since Dec. 17, 1945.

Ser. No. 503,442. JOHN A. GREY & PARTNERS LIMITED, London, England. Filed June 7, 1946.

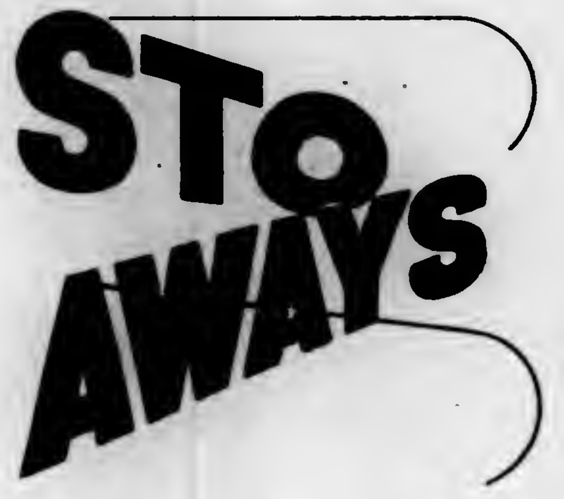
LECTROSS

FOR APPARATUS, ELECTRICALLY OPERATED, FOR DRYING AND HEATING TOWELS AND CLOTHES.
Claims use since Apr. 4, 1945.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 502,241. WATCHEMOKET OPTICAL CO. INC., Providence, R. I. Filed May 16, 1946.



The representation of the temples is disclaimed apart from the mark.
FOR SUN GOGGLES AND INDUSTRIAL GOGGLES.
Claims use since Apr. 19, 1946.

Ser. No. 505,738. DEJUR-AMSCO CORPORATION, Long Island City, N. Y. Filed July 17, 1946.

Autocritic

FOR PHOTOGRAPHIC EXPOSURE METERS.
Claims use since February 1945.

Ser. No. 505,905. MARINE OPTICAL MFG. CO., Boston and Roslindale, Boston, Mass. Filed July 19, 1946.

CONSTELLATION

FOR OPTICAL FRAMES AND SUNGLASSES.
Claims use since June 27, 1946.

Ser. No. 506,368. BERNARD CHADKIN, doing business as Photographic Arts Supply Company, New York, N. Y. Filed July 27, 1946.

WITAR

FOR PHOTOGRAPHIC OBJECTIVES.
Claims use since June 1943.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 501,265. THE NEW HAVEN CLOCK COMPANY, New Haven, Conn., assignor to New Haven Clock and Watch Company, New Haven, Conn., a corporation of Connecticut. Filed May 1, 1946.

Tidy-Tot

FOR CLOCKS, WATCHES, AND PARTS THEREOF.
Claims use since Aug. 17, 1923.

Ser. No. 501,267. THE NEW HAVEN CLOCK COMPANY, New Haven, Conn., assignor to New Haven Clock and Watch Company, New Haven, Conn., a corporation of Connecticut. Filed May 1, 1946.

Ti-Tan

FOR CLOCKS, WATCHES, AND PARTS THEREOF.
Claims use since July 10, 1923.

Ser. No. 502,316. THE NEW HAVEN CLOCK COMPANY, New Haven, Conn., assignor to New Haven Clock and Watch Company, New Haven, Conn., a corporation of Connecticut. Filed May 17, 1946.

Tip-Top

FOR CLOCKS, WATCHES, AND PARTS THEREOF.
Claims use since Aug. 13, 1923.

Ser. No. 502,396. THE NEW HAVEN CLOCK COMPANY, New Haven, Conn., assignor to New Haven Clock and Watch Company, New Haven, Conn., a corporation of Connecticut. Filed May 18, 1946.

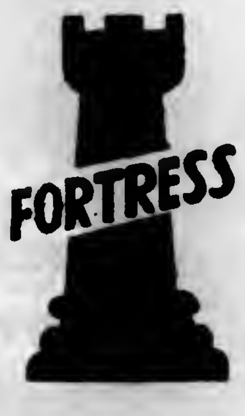
Tell-Tale

FOR CLOCKS, WATCHES, AND PARTS THEREOF.
Claims use since July 6, 1923.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 498,614. FORTRESS WATCH & JEWELRY CO. INC., New York, N. Y. Filed Mar. 20, 1946.



FOR BRACELETS, ORNAMENTAL PINS, EARRINGS AND FINGER RINGS.
Claims use since Jan. 28, 1946.

Ser. No. 501,034. WALDRON & COMPANY, INC., Philadelphia, Pa. Filed Apr. 26, 1946.

Saturn

FOR FINGER RINGS, PRECIOUS STONES FOR ORNAMENTAL PURPOSES AND MOUNTINGS THEREFOR.
Claims use since Apr. 24, 1946.

Ser. No. 504,367. DAVID KARP COMPANY, New York, N. Y. Filed June 21, 1946.

CK

FOR FINGER RINGS.
Claims use since April 1938.

Ser. No. 504,957. THE ALVIN CORPORATION, Providence, R. I. Filed July 2, 1946.

SOUTHERN CHARM

FOR STERLING SILVER FLATWARE, HOLLOWWARE, AND CUTLERY.
Claims use since May 27, 1946.

Ser. No. 504,973. GORHAM MANUFACTURING COMPANY, Providence, R. I. Filed July 2, 1946.

EPIC

FOR STERLING SILVER FLATWARE, HOLLOWWARE AND CUTLERY.
Claims use since May 27, 1946.

CLASS 29

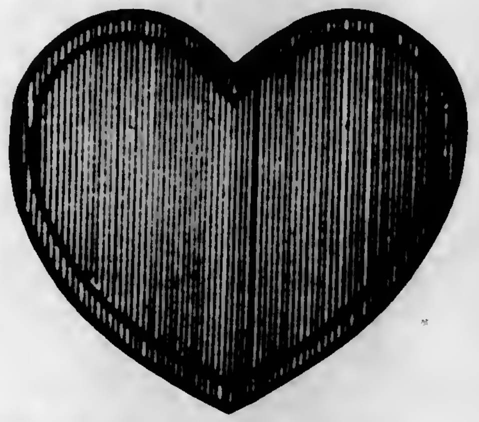
BROOMS, BRUSHES, AND DUSTERS

Ser. No. 503,339. ART & SIGN BRUSH MANUFACTURING CORPORATION, Long Island City, N. Y. Filed June 6, 1946.

EVERPOINT

FOR PAINT BRUSHES.
Claims use since Mar. 18, 1940.

Ser. No. 504,978. HARTMAN BROOM COMPANY, Clay Center, Kans. Filed July 2, 1946.

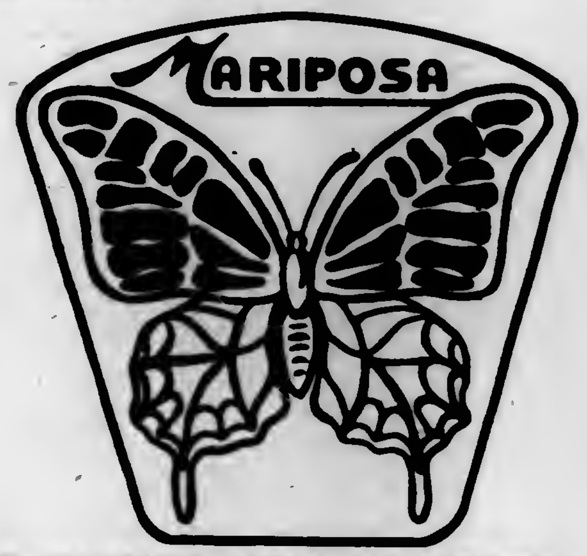


The drawing is lined for the color red.
FOR BROOMS.
Claims use since 1900.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 503,580. LAUREL POTTERIES, Stockton, Calif. Filed June 10, 1946.



FOR COLORED POTTERY DINNERWARE.
Claims use since May 16, 1946.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 487,328. SAM KAPLAN, doing business as Air-O-Tabs Co., Chicago, Ill. Filed Aug. 20, 1945.

AIR - O - TABS

No claim is made to the word "Air" apart from the mark.
FOR ARTICLES OF BEDDING—NAMELY, PILLOWS.
Claims use since July 27, 1945.

Ser. No. 494,174. WEAR-EVER BABY CARRIAGE CO., Brooklyn, N. Y. Filed Dec. 31, 1945.

UP-N-DOWNER

FOR CHILDREN'S HIGH CHAIRS.
Claims use since Oct. 3, 1945.

Ser. No. 494,446. HARRY HALLET, doing business as Hallet & Hallet, Somerville, Mass. Filed Jan. 8, 1946.

Halchrome

FOR METAL FURNITURE—NAMELY, CHAIRS, TABLES, SETTEES.
Claims use since Dec. 28, 1945.

Ser. No. 496,128. BERGEN MACHINE & TOOL COMPANY, INC., Nutley, N. J. Filed Feb. 7, 1946.

CRAFTWOOD

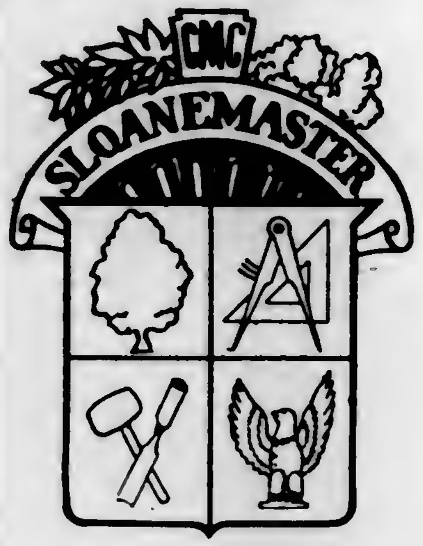
FOR MAGAZINE RACKS, CARD TABLES, AND OCCASIONAL TABLES.
Claims use since May 1, 1945.

Ser. No. 498,206. COMPANY OF MASTER CRAFTSMEN, INC., Oneida, N. Y. Filed Mar. 14, 1946.

SLOANEMASTER

FOR UPHOLSTERED FURNITURE—NAMELY, CHAIRS, SOFAS, LOVE SEATS, OTTOMANS, OPEN ARMCHAIRS, CHAISE LONGUES, WING CHAIRS; DINING ROOM FURNITURE—NAMELY, SIDE CHAIRS, ARMCHAIRS, CHINA BREAKFRONTS; BEDROOM FURNITURE—NAMELY, BEDS, BUREAUS, CHESTS, SIDE CHAIRS, BENCHES, POWDER TABLES, HIGHBOYS, DRESSING TABLES, NIGHT TABLES, MIRRORS, CHEST-ON-CHESTS; LIVING ROOM FURNITURE—NAMELY, OCCASIONAL TABLES, WRITING TABLES, DESKS, SECRETARY BREAKFRONTS, END TABLES, TIER TABLES; AND EXECUTIVE OFFICE FURNITURE—NAMELY, EXECUTIVE DESKS, END TABLES, SWIVEL CHAIRS, ARMCHAIRS, SIDE CHAIRS.
Claims use since Oct. 8, 1945.

Ser. No. 498,207. COMPANY OF MASTER CRAFTSMEN, INC., Oneida, N. Y. Filed Mar. 14, 1946.



FOR UPHOLSTERED FURNITURE—NAMELY, CHAIRS, SOFAS, LOVE SEATS, OTTOMANS, OPEN ARMCHAIRS, CHAISE LONGUES, WING CHAIRS; DINING ROOM FURNITURE—NAMELY, SIDE CHAIRS, ARMCHAIRS, CHINA BREAKFRONTS; BEDROOM FURNITURE—NAMELY, BEDS, BUREAUS, CHESTS, SIDE CHAIRS, BENCHES, POWDER TABLES, HIGHBOYS, DRESSING TABLES, NIGHT TABLES, MIRRORS, CHEST-ON-CHESTS; LIVING ROOM FURNITURE—NAMELY, OCCASIONAL TABLES, WRITING TABLES, DESKS, SECRETARY BREAKFRONTS, END TABLES, TIER TABLES; AND EXECUTIVE OFFICE FURNITURE—NAMELY, EXECUTIVE DESKS, END TABLES, SWIVEL CHAIRS, ARMCHAIRS, SIDE CHAIRS.
Claims use since Oct. 8, 1945.

Ser. No. 502,989. LITTLE ROCK RESTAURANT SUPPLY COMPANY, Little Rock, Ark. Filed May 29, 1946.

Tablette

FOR UNIT COMBINATION DINING TABLE AND CHAIRS.
Claims use since May 20, 1946.

Ser. No. 504,204. THE NORWALK UPHOLSTERING COMPANY, Norwalk, Ohio. Filed June 19, 1946.

LOUNGEMASTER

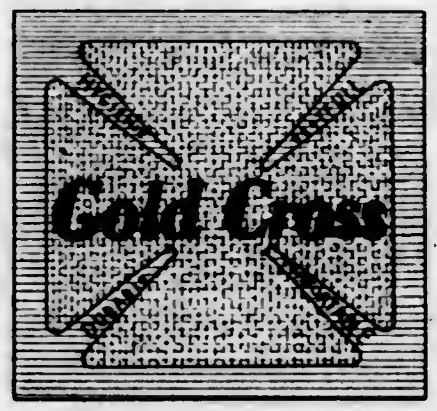
FOR UPHOLSTERED FURNITURE—NAMELY, DAVENPORTS, CHAIRS AND STOOLS.
Claims use since Nov. 28, 1939.

Ser. No. 507,343. ROYALMAID CORPORATION, Brooklyn, N. Y. Filed Aug. 13, 1946.

RoyalMaid

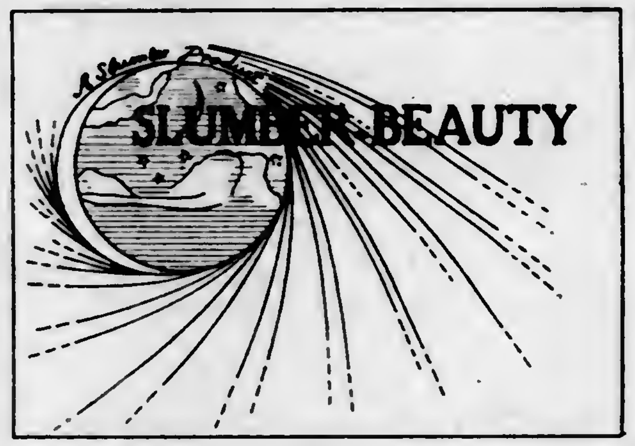
FOR KITCHEN CABINETS.
Claims use since Mar. 4, 1946.

Ser. No. 508,688. GOLD CROSS MATTRESS CORP., Boston, Mass. Filed Aug. 16, 1946.



No claim is made to the words "Comfortable," "Durable," "Hygienic" and "Restful" apart from the mark. The drawing is lined to indicate blue and gold.
FOR MATTRESSES, BEDS, STUDIO COUCHES, SOFAS, UPHOLSTERED CHAIRS AND HEAD BOARDS FOR BEDS.
Claims use since 1903.

Ser. No. 508,748. SLUMBER PRODUCTS CORPORATION, Memphis, Tenn. Filed Sept. 9, 1946.



The drawing is lined for blue. The words "Beauty," and "A Slumber Product," and the outline of the label are disclaimed apart from the mark.
FOR MATTRESSES FOR BEDS, BOX SPRINGS FOR BEDS, COIL AND FABRIC SPRINGS FOR BEDS, AND BED PILLOWS.
Claims use since June 15, 1944.

Ser. No. 509,606. SEALY, INCORPORATED, Chicago, Ill. Filed Sept. 23, 1946.

SEALCREST

FOR MATTRESSES AND BOX SPRINGS.
Claims use since June 1922.

Ser. No. 509,607. SEALY, INCORPORATED, Chicago, Ill. Filed Sept. 23, 1946.

"Good Housekeeper"

FOR MATTRESSES AND BOX SPRINGS.
Claims use since January 1941.

Ser. No. 509,608. Sealy, Incorporated, Chicago, Ill. Filed Sept. 23, 1946.

The word "Cotton" is disclaimed apart from the mark. FOR MATTRESSES AND BOX SPRINGS.
Claims use since January 1905.

Ser. No. 509,927. Ed Roos Company of Forest Park, Forest Park, Ill. Filed Sept. 28, 1946.

Sweetheart

FOR CEDAR CHESTS.
Claims use since May 1, 1928.

Ser. No. 510,561. Bennett Asquith, doing business as Asquith Associates, Boston, Mass. Filed Oct. 10, 1946.

CHROM-EVER

The word "Chrom" is disclaimed apart from the mark. FOR COSTUMERS AND HAT RACKS.
Claims use since Sept. 24, 1946.

CLASS 33

GLASSWARE

Ser. No. 488,190. Chicago Flexible Shaft Company, Chicago, Ill., now by change of name to Sunbeam Corporation. Filed Sept. 10, 1945.

Sunbeam

FOR RECEPTACLES FOR HOUSEHOLD USE—NAMELY, BOWLS, DISHES, AND TRAYS OF GLASS FOR CARRYING FOODS; DISHES, AND KITCHEN APPLIANCES.
Claims use since 1929.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 490,503. E. L. Mustee & Sons, Cleveland, Ohio. Filed Oct. 25, 1945.

FOR GAS WATER HEATERS.
Claims use since Aug. 30, 1945.

Ser. No. 499,189. Milton Applebaum, doing business as Safecover Company, New York, N. Y. Filed Mar. 29, 1946.

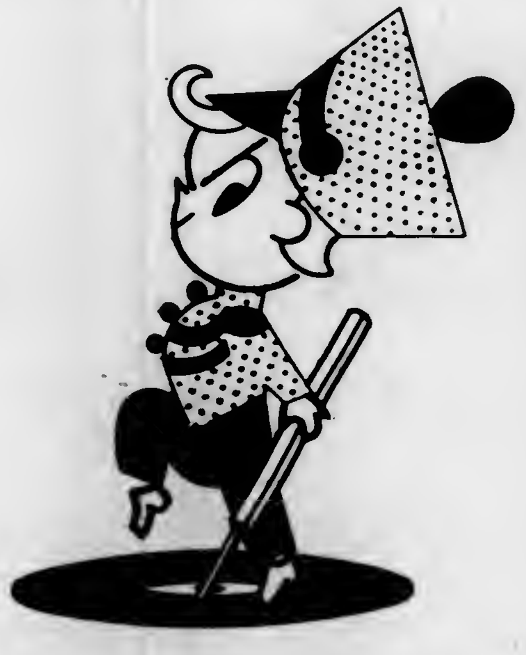
"SAFECO"

FOR GAS RANGE BURNER VALVE CONTROLS OPERATED BY THE COVER OF THE RANGE ON CLOSING THE SAME TO RELEASABLY LOCK THE VALVES CLOSED.
Claims use since Mar. 1, 1946.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 501,667. International Merit Products Corporation, New York, N. Y. Filed May 8, 1946.



No claim is made to the representation of the phonograph needle and the record, apart from the mark. The stippling on the drawing represents shading.
FOR PHONOGRAPH NEEDLES.
Claims use since Mar. 5, 1945.

CLASS 37

PAPER AND STATIONERY

Ser. No. 485,545. Red Feather Products Ltd., Redwood City, Calif. Filed July 7, 1945.

FOR STENCILS, STYLI, CORRECTION FLUID, HECTOGRAPH FLUID, MACHINES FOR STENCIL DUPLICATION, AND STENCIL SCOPES.
Claims use since June 1932.

Ser. No. 493,297. United States Envelope Company, doing business as P. P. Kellogg & Co., Springfield, Mass. Filed Dec. 14, 1945.

Aquatica

FOR CORRESPONDENCE PAPER AND ENVELOPES.
Claims use since June 15, 1944.

Ser. No. 501,249. Falcon Products, Inc., Portland, Maine. Filed May 1, 1946.

FOR PAPER IN SHEETS AND ROLLS FOR USE AS SURGICAL SHEETS, SHROUDS, WINDOW SHADES, CURTAINS, DRAPERIES, TABLECLOTHS, DRESS SHIELDS, INFANTS' WEAR AND SUBSTITUTES FOR CLOTH, PARTICULARLY WATERPROOFED CLOTH.
Claims use since Jan. 28, 1946.

Ser. No. 509,890. The Tiglon Company, New York, N. Y. Filed Sept. 27, 1946.

TIGLON

FOR STENCIL PAPER, STAPLING MACHINES OF THE HAND OPERATED TYPE AND STAPLES IN STRIPS FOR USE IN FASTENING PAPER TOGETHER, FILE FASTENERS, STAMP PADS AND CRAYONS.
Claims use since Aug. 26, 1946.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 493,035. American Bitumuls Company, Wilmington, Del., and San Francisco, Calif. Filed Dec. 11, 1945.

Bitumuls

FOR PERIODICAL PUBLICATIONS.
Claims use since 1928.

Ser. No. 499,177. Vet Publishers, Inc., New York, N. Y. Filed Mar. 28, 1946.

SALUTE

FOR MAGAZINE.
Claims use since December 1945.

CLASS 39

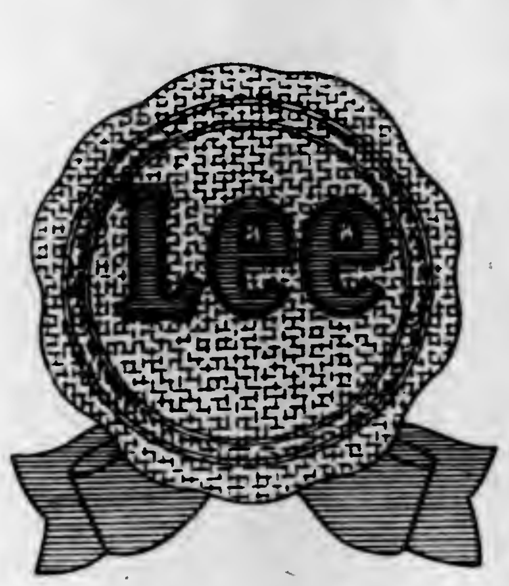
CLOTHING

Ser. No. 491,205. The H. D. Lee Company, Incorporated, Kansas City, Mo. Filed Nov. 7, 1945. Under section 5b of the act of 1905 as amended in 1920.

Lee

Applicant is the owner of the trade-mark "Lee," registration No. 81727, dated May 2, 1911 (renewed), effected under the 10-year proviso.
FOR WAISTBAND OVERALLS.
Claims use since Nov. 2, 1945.

Ser. No. 491,206. The H. D. Lee Company, Incorporated, Kansas City, Mo. Filed Nov. 7, 1945. Under section 5b of the act of 1905 as amended in 1920 as to "Lee."



The drawing is lined for the colors gold and blue. Applicant is the owner of the trade-mark "Lee," registration No. 81727, dated May 2, 1911 (renewed), effected under the 10-year proviso.

FOR BIB OVERALLS, WAISTBAND OVERALLS, OVERALL JACKETS, WORK AND UTILITY TROUSERS, WORK SHIRTS AND UTILITY SHIRTS, ONE-PIECE WORK SUITS, SERVICE OR SHOP COATS, BLOUSES, BREECHES, TOOL AND SHOP APRONS, AND SHOP CAPS.

Claims use since Nov. 2, 1945.

Ser. No. 493,078. Smilin' Thru Maternities, Inc., New York, N. Y. Filed Dec. 11, 1945.

Smilin' Thru

FOR MATERNITY DRESSES.

Claims use since October 1942.

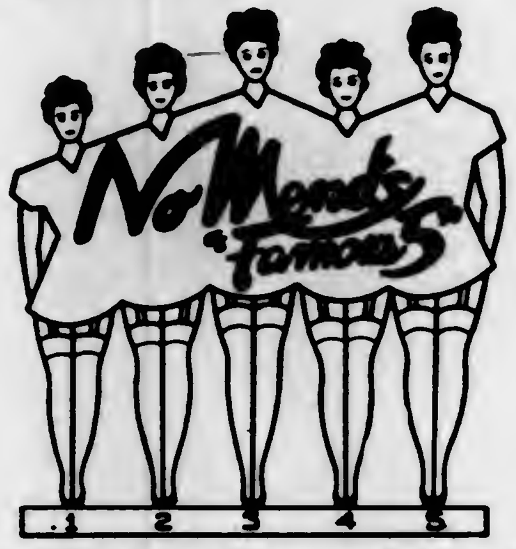
Ser. No. 502,285. The Gilbert Shoe Co., Thiensville, Wis. Filed May 17, 1946.

Kali-sten-iks

FOR SHOES, MADE OF LEATHER, RUBBER, FABRIC, AND/OR COMBINATIONS OF THE MATERIALS.

Claims use since Apr. 17, 1926.

Ser. No. 503,212. No Mend Hosiery, Inc., Philadelphia, Pa. Filed June 3, 1946.



Applicant is the owner of the registered mark "No Mend" Reg. No. 132,218, dated June 15, 1920. The pictures of the girls displayed on the drawing are purely fanciful, and no claim is made to the pictorial representation and the numerals 1 through 5 appearing on the drawing, apart from the mark as shown.

FOR HOSIERY.

Claims use since November 1939.

Ser. No. 504,208. Pioneer Suspender Company, Philadelphia, Pa. Filed June 19, 1946.

PIONEER

FOR GLOVES OF LEATHER AND/OR FABRIC.

Claims use since May 29, 1946.

Ser. No. 505,690. Fashion Children Dress Co., New York, N. Y. Filed July 16, 1946.

Admirable

FOR CHILDREN'S, GIRLS', AND MISSES' DRESSES, SLACKS, OUTER SHORTS, OVERALLS, PINAFORES, APRONS, BLOUSES, JACKETS, AND SKIRTS.

Claims use since May 1, 1937.

Ser. No. 505,950. Century Textile Products, New York, N. Y. Filed July 20, 1946.

FOR INFANTS' BIBS AND PANTIES; AND LADIES' APRONS AND RAINHOODS AND RAIN KERCHIEFS.

Claims use since June 1, 1946.

Ser. No. 506,246. Edward Makransky Company, Inc., Philadelphia, Pa. Filed July 25, 1946.

Cromwella

FOR MEN'S TOPCOATS, OVERCOATS, SACK COATS, AND SPORT COATS.

Claims use since July 1, 1946.

Ser. No. 507,564. Astoria Novelty Co., New York, N. Y. Filed Aug. 17, 1946.

☆ ☆ DREAMWELL ☆ ☆ ☆ ☆

FOR CHILDREN'S PAJAMAS.

Claims use since June 12, 1946.

Ser. No. 507,721. Excelsior Varsity Underwear Corporation, New York, N. Y. Filed Aug. 21, 1946.

Chambro

FOR MEN'S OUTER SHIRTS, UNDERSHIRTS, UNDERWEAR, PAJAMAS, AND ROBES.

Claims use since June 1, 1946.

Ser. No. 507,752. Plymhurst Manufacturing Company, Boston, Mass. Filed Aug. 21, 1946.

FROSTY

FOR EAR MUFFS.

Claims use since Aug. 8, 1946.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 502,239. Martha M. Talbot, doing business as Talbot Products, Detroit, Mich. Filed May 16, 1946.

TOPS-ALL

FOR HAIR CURLERS.

Claims use since Apr. 20, 1946.

Ser. No. 505,000. Perma Fit Shoulder Pad Co., New York, N. Y. Filed July 2, 1946.

Perma Fit

No claim is made to the word "Fit" apart from the mark.

FOR SHOULDER PADS, DESIGNED FOR USE IN WEARING APPAREL.

Claims use since Jan. 3, 1946.

Ser. No. 506,917. C. J. Bates & Son, Chester, Conn. Filed Aug. 6, 1946.

Universal

FOR CROCHET HOOKS AND KNITTING NEEDLES FOR HAND USE.

Claims use since May 1946.

Ser. No. 507,253. The Gruen Watch Company, Cincinnati and Time Hill, Cincinnati, Ohio. Filed Aug. 12, 1946.

CURVEX

FOR WATCH STRAPS OF NATURAL AND ARTIFICIAL LEATHER.

Claims use since June 5, 1935.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 457,232. WAWAK COMPANY INC., Chicago, Ill. Filed Dec. 5, 1942.

WYNCLIFF

FOR PIECE GOODS—NAMELY, WOOLEN SUMMER SUITING.
Claims use since July 2, 1936.

Ser. No. 481,967. WELLINGTON SEARS COMPANY, INCORPORATED, New York, N. Y. Filed Apr. 10, 1945.

LANSHIRE

FOR COTTON AND RAYON TWILL PIECE GOODS.
Claims use since Jan. 1, 1938.

Ser. No. 493,409. M & W THOMAS CO., New York, N. Y. Filed Dec. 15, 1945.

LANSHIRE

FOR PIECE GOODS MADE OF SILK, COTTON, WOOL, RAYON AND COMBINATIONS THEREOF FOR THE MAKING OF NECKTIES.
Claims use since Feb. 3, 1944.

Ser. No. 503,778. WAWAK CO., INC., Chicago, Ill. Filed June 12, 1946.

DREDMILL

FOR WOOLEN PIECE GOODS.
Claims use since Apr. 22, 1924.

Ser. No. 503,870. CONCORDIA-GALLIA CORP., New York, N. Y. Filed June 14, 1946.

Cigarette

FOR TEXTILE FABRICS IN THE PIECE MADE OF SILK, RAYON AND A MIXTURE THEREOF.
Claims use since March 1936.

Ser. No. 504,236. MARTIN WEINER, New York, N. Y. Filed June 19, 1946.

TILTEX

FOR PIECE GOODS—TO WIT, RAYON PIECE GOODS.
Claims use since May 1, 1946.

CLASS 43

THREAD AND YARN

Ser. No. 506,555. THE SHEPHERD WORSTED MILLS, Newton, Mass. Filed July 30, 1946.

SHEPLYN

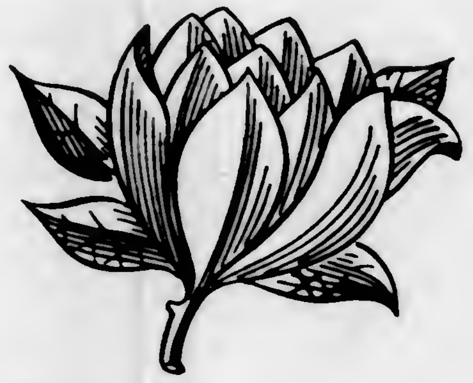
FOR YARNS.
Claims use since July 17, 1946.

Ser. No. 507,457. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Aug. 15, 1946.

CELCOSE

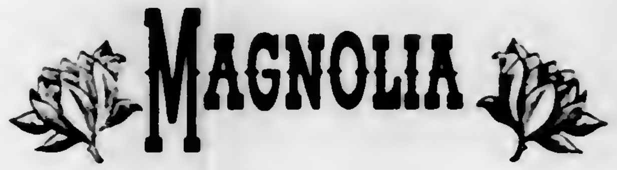
FOR YARNS.
Claims use since Aug. 13, 1946.

Ser. No. 507,926. PATONS & BALDWINS, INC., Newark, N. J. Filed Aug. 23, 1946.



FOR KNITTING YARN.
Claims use since Apr. 15, 1946.

Ser. No. 507,927. PATONS & BALDWINS, INC., Newark, N. J. Filed Aug. 23, 1946.



FOR KNITTING YARN.
Claims use since Apr. 15, 1946.

Ser. No. 507,928. PATONS & BALDWINS, INC., Newark, N. J. Filed Aug. 23, 1946.

MAGNOLIA

FOR KNITTING YARN.
Claims use since Apr. 15, 1946.

CLASS 44

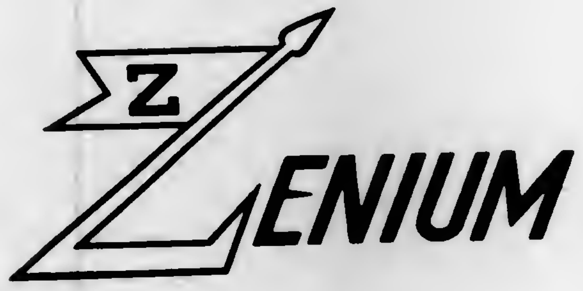
DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 495,856. ARKWRIGHT, INCORPORATED, New York, N. Y. Filed Feb. 2, 1946.

FIRST LADY

FOR ABDOMINAL SUPPORTERS USED FOR THERAPEUTIC PURPOSES, HOT WATER BOTTLES, CATAMENIAL BANDAGES, SANITARY NAPKINS, RUBBER SURGICAL GLOVES, MANICURE IMPLEMENTS—NAMELY, NAIL FILES, TWEEZERS, SCISSORS AND NAIL CLIPPERS, TOOTHPICKS AND ELASTIC HOSIERY.
Claims use since Jan. 1, 1930.

Ser. No. 505,977. WILLIAM NAMEROFF, Philadelphia, Pa. Filed July 20, 1946.



FOR DENTAL ALLOY.
Claims use since June 1946.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 488,580. FORCHERIO HNOS. S. R. LTDA., Buenos Aires, Argentina. Filed Sept. 17, 1945.

ZAR

FOR PEPPERMINT CANDIES, PEPPERMINT LOZENGES, NATURAL MINT FLAVORED LOZENGES AND CANDIES.
Claims use since January 1922.

Ser. No. 490,671. LA PALOMA, LIMITADA, Lisbon, Portugal. Filed Oct. 29, 1945.

CIRANO
PORTUGAL

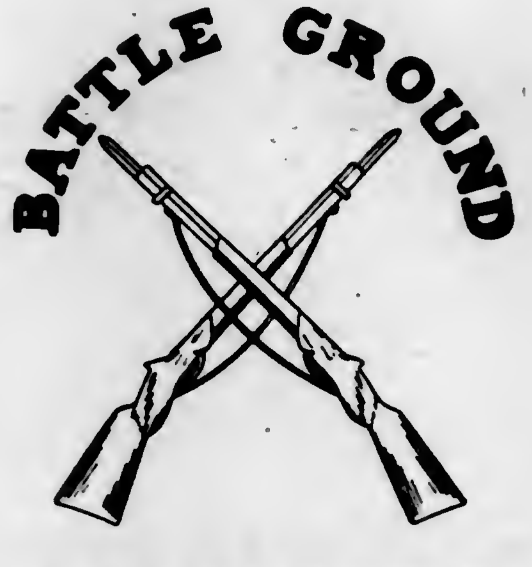
The word "Portugal" is disclaimed apart from the mark.
FOR CANNED FISH.
Claims use since Jan. 17, 1935.

Ser. No. 490,672. LA PALOMA, LIMITADA, Lisbon, Portugal. Filed Oct. 29, 1945.

CYRANO
PORTUGAL

The word "Portugal" is disclaimed apart from the mark.
FOR CANNED FISH.
Claims use since Jan. 17, 1935.

Ser. No. 499,709. HOLLAND & MCCHESNEY, Freehold, N. J. Filed Apr. 5, 1946.



FOR POTATOES IN THEIR NATURAL STATE.
Claims use since January 1925.

Ser. No. 500,573. RED STAR YEAST AND PRODUCTS COMPANY, Milwaukee, Wis. Filed Apr. 19, 1946.

Applicant is the owner of Reg. Nos. 55,768, 88,282, 275,693, and 278,961. The mark consists of the words "Red Star," together with the pictorial illustration of a star.

FOR COMPRESSED (WET) YEAST; DRY YEAST; YEAST FOOD; BAKING POWDER; MALT SYRUP FOR USE IN FOOD PRODUCTS AND A PRODUCT IN LIQUID FORM CONSISTING OF A MIXTURE OF EGG MATERIAL, AN EMULSIFYING SYRUP AND OTHER SUBSTANCES SUITABLE FOR USE AS AN INGREDIENT IN MAKING BAKERY PRODUCTS.

Claims use on compressed yeast since 1884; on dry yeast since May 1944; on yeast food since Apr. 26, 1930; on baking powder since July 1890 (by virtue of succession to business and good will of The Heekin Spice Co. under trade-mark registration No. 88,282, dated Sept. 10, 1912, renewed); on malt syrup since Apr. 26, 1930; and on the product consisting of a mixture of egg material, an emulsifying syrup and other substances since May 1945.

Ser. No. 503,001. Quality Products, Inc., La Feria, Tex. Filed May 29, 1946.

TEX-DELTA

Applicant is the owner of trade-mark registration No. 388,898, dated June 24, 1941. No claim is made to the prefix "Tex" apart from the mark.

FOR DRIED CITRUS PULP FOR USE IN STOCK FEEDS, AND DRIED MIXED STOCK FEEDS.

Claims use since Jan. 25, 1943.

Ser. No. 504,062. Old Smoky Sales Co., Los Angeles, Calif. Filed June 17, 1946.

Vinegar Sisters

No claim is made to the word "Vinegar" apart from the mark.

FOR SALAD DRESSINGS.

Claims use since May 15, 1939.

Ser. No. 504,549. Gilliam Candy Company, Paducah, Ky. Filed June 25, 1946.

OLD PADUKE

FOR CANDY.

Claims use since September 1941.

Ser. No. 504,550. Gilliam Candy Company, Paducah, Ky. Filed June 25, 1946.

RAGGED ANN

FOR CANDY.

Claims use since May 1941.

Ser. No. 504,554. Indian River Producers, Inc., Fort Pierce, Fla. Filed June 25, 1946.

Rivita

FOR FRESH CITRUS FRUITS.

Claims use since May 20, 1946.

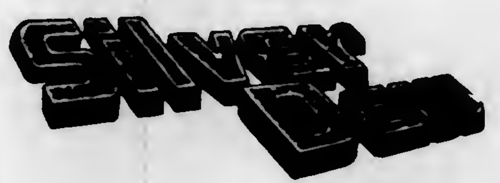
Ser. No. 504,622. Libby, McNeill & Libby, Chicago, Ill. Filed June 26, 1946.

Q-Bs

FOR PACKAGED FROZEN POTATOES.

Claims use since June 19, 1946.

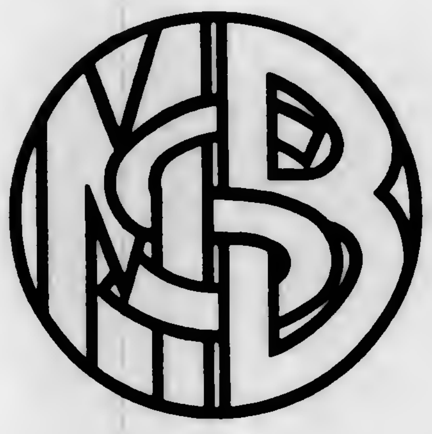
Ser. No. 504,906. Kay Karahadian, Los Angeles, San Francisco, and Thermal, Calif. Filed July 1, 1946.



FOR FRESH GRAPES.

Claims use since June 20, 1946.

Ser. No. 507,771. Michael Swanson Brady Produce Co., Kansas City, Mo. Filed Aug. 2, 1946.



The mark consists of the monogram letters "M S B"

FOR POTATOES.

Claims use since 1931.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 503,157. Norman L. Cahners, doing business as Materials Handling Laboratories, Boston, Mass. Filed June 1, 1946.

CHUCKAWAY

FOR PORTABLE MATERIAL HANDLING PLATFORMS USEFUL IN LIFT TRUCK OPERATIONS.

Claims use since Apr. 3, 1946.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

MARCH 11, 1947

428,047. PERFUMES, TOILET WATERS, BATH POWDERS, TALCUM POWDER, LIPSTICKS, COLOGNE, BATH OILS, FACE POWDER, DUSTING POWDERS, SACHETS IN POWDER AND TABLET FORM, ETC. St. Denis Toiletries, Inc., New York, N. Y.
Filed January 10, 1941. Serial No. 439,569. PUBLISHED MAY 21, 1946. Class 6.

428,048. TROPHIES IN THE NATURE OF LOVING CUPS. Optimist International, St. Louis, Mo.
Filed May 29, 1943. Serial No. 461,022. PUBLISHED DECEMBER 17, 1946. Class 28.

428,049. PARALLELS, BENCH CENTERS, BENCH BLOCKS, BALANCING STANDS, V-BLOCKS, TOOL MAKERS' KNEES, ETC. The Taft-Peirce Manufacturing Company, Woonsocket, R. I.
Filed October 13, 1943. Serial No. 464,120. PUBLISHED DECEMBER 17, 1946. Class 26.

428,050. FITTING STOOLS, MOVABLE MERCHANDISE DISPLAY BIN FIXTURES, DISPLAY STANDS, DISPLAY RACKS, AND MIRRORS FOR USE ON STORE COUNTERS AND FLOORS AND IN DISPLAY WINDOWS. L. A. Darling Company, Bronson, Mich.
Filed November 19, 1943. Serial No. 465,130. PUBLISHED APRIL 25, 1944. Class 32.

428,051. HAND MILLING MACHINES AND LUBRICATION PUMPS FOR USE AS ACCESSORY TO, OR PARTS OF MACHINERY. W. H. Nichols & Sons, Waltham, Mass.
Filed December 31, 1943. Serial No. 466,227. PUBLISHED DECEMBER 17, 1946. Class 23.

428,052. HAND BORING TOOLS FOR BORING CRANK CASES, TORQUE WRENCH ADAPTERS, SPLINE BUSHINGS FOR MACHINERY, ETC. Liberty Motors and Engineering Corporation, Baltimore, Md.
Filed April 26, 1944. Serial No. 469,685. PUBLISHED DECEMBER 17, 1946. Class 23.

428,053. TRAYS OF CARDBOARD, PLASTIC MATERIALS AND WOOD FOR CONTAINING PAINT DURING THE APPLICATION THEREOF. The Sherwin-Williams Company, Cleveland, Ohio.
Filed April 27, 1944. Serial No. 469,735. PUBLISHED AUGUST 22, 1944. Class 2.

428,054. SKUNK GLAND PRODUCT FOR FIXATIVES IN PERFUMERY, AS A LURE IN THE TRAPPING INDUSTRY AND FOR PEST REPELLENT. Charles V. Sparhawk, doing business as Sparhawk Company, Sparkill, N. Y.
Filed May 6, 1944. Serial No. 470,008. PUBLISHED NOVEMBER 6, 1945. Class 6.

428,055. OIL, LIQUID, AND FUEL MEASURING AND DISPENSING PUMPS, AND PARTS THEREOF, AND OIL, LIQUID, AND FUEL METERS, AND PARTS THEREOF. Tokheim Oil Tank and Pump Company, Fort Wayne, Ind.
Filed May 19, 1944. Serial No. 470,428. PUBLISHED DECEMBER 24, 1946. Class 26.

428,056. RICE FOR FOOD. Rice Conversion Limited, London, England, assignor, by mesne assignments, to Converted Rice, Inc., Houston, Tex., a corporation of Delaware.
Filed July 14, 1944. Serial No. 472,257. PUBLISHED JULY 2, 1946. Class 46.

428,057. RICE FOR FOOD. Rice Conversion Limited, London, England, assignor, by mesne assignments, to Converted Rice, Inc., Houston, Tex., a corporation of Delaware.
Filed July 14, 1944. Serial No. 472,258. PUBLISHED JULY 2, 1946. Class 46.

428,058. FIXTURE FOR TOOL GRINDERS WHICH ENABLES THE OPERATOR TO USE THE GRINDER FOR GRINDING THREADS, BORING BARS, TOOL HOLDERS, ETC. Robert H. Clark, doing business as Robert H. Clark Company, Beverly Hills, Calif.
Filed January 29, 1945. Serial No. 479,111. PUBLISHED DECEMBER 10, 1946. Class 23.

428,059. SHAMPOO, HAIR LOTIONS AND CHEMICAL HEATING PADS FOR HAIR WAVING PURPOSES FOR SALE ONLY TO THE PROFESSIONAL TRADE. Raymond Laboratories, Inc., St. Paul, Minn.
Filed February 28, 1945. Serial No. 480,350. PUBLISHED OCTOBER 23, 1945. Class 6.

428,060. VETERINARIAN SUPPLIES—NAMELY, PINK EYE POWDER, SULFA POWDER, CALF TONIC, CATTLE GRUB KILLER, LICE OIL SPRAY, AND EAR TICK KILLER. John B. Stribling & Son, Ltd., doing business as Ranchway Remedies Company, Rotan, Tex.
Filed March 10, 1945. Serial No. 480,787. PUBLISHED DECEMBER 3, 1946. Class 6.

428,061. COMPOUND FOR THE RELIEF OF MUSCULAR ACHES AND PAINS, AND FOR AN IRON AND VITAMIN PREPARATION. Dixie Medicine Corporation, Charlotte, N. C.
Filed April 2, 1945. Serial No. 481,616. PUBLISHED DECEMBER 17, 1946. Class 6.

428,062. CHEMICAL PREPARATIONS COMPRISING DEGREASING FLUID FOR DISSOLVING AND LOOSENING GREASE, ETC. Lyman B. Warren, Jr., doing business as The Aloyl Company, St. Paul, Minn.
Filed April 30, 1945. Serial No. 482,820. PUBLISHED DECEMBER 3, 1946. Class 6.

428,063. LAWN MOWERS. American Chain & Cable Company, Inc., New York, N. Y., and Bridgeport, Conn.
Filed May 4, 1945. Serial No. 482,963. PUBLISHED DECEMBER 10, 1946. Class 23.

428,064. OINTMENT FOR THE TREATMENT OF DANDRUFF OF THE SCALP AND OTHER SIMILAR SCALP DISEASES. Ransom W. Saulsberry, doing business as Ethiopian Laboratory, Los Angeles, Calif.
Filed May 11, 1945. Serial No. 483,236. PUBLISHED DECEMBER 3, 1946. Class 6.

428,065. TOOTH PASTE, TOOTH POWDER, AND MOUTH WASH. Susan Dorothy Rajcok, doing business as Fluoricite, Danbury, Conn.
Filed May 22, 1945. Serial No. 483,663. PUBLISHED DECEMBER 3, 1946. Class 6.

428,066. LADIES' AND MISSES' BLOUSES. Markay Waist House, New York, N. Y.
Filed June 6, 1945. Serial No. 484,210. PUBLISHED DECEMBER 10, 1946. Class 39.

428067. COMPACTS MADE OF PLASTICS AND/OR BASE METALS AND SOLD IN THE TRADE EMPTY. Allied Plastics Company, Los Angeles, Calif., assignor to Allied Plastics Company, a corporation of California

Filed June 11, 1945. Serial No. 484,381. PUBLISHED DECEMBER 24, 1946. Class 2.

428,068. BLOUSES, SHIRTS, AND SPORT SHIRTS FOR BOYS AND GIRLS. The Kaynee Company, Cleveland, Ohio.

Filed June 11, 1945. Serial No. 484,409. PUBLISHED NOVEMBER 26, 1946. Class 39.

428,069. ALL PURPOSE INSECT SPRAY, MOUSE POISON, VOLATILE INSECTICIDE, AND ROACH POWDER. Arrow Engineering & Chemical Co., Inc., Flint, Mich.

Filed July 14, 1945. Serial No. 485,809 PUBLISHED DECEMBER 3, 1946. Class 6.

428,070. CANNED FISH. Kelley-Clarke Company, Seattle, Wash., assignor, by mesne assignments, to Kelley-Clarke Company, a partnership of December 1, 1946.

Filed July 26, 1945. Serial No. 486,310. PUBLISHED DECEMBER 17, 1946. Class 46.

428,071. HAND KNITTING TOOL FOR USE IN HOLDING LOOPED YARN OR THREAD IN THE FORMATION OF ARTICLES MADE TO DESIGN. Ralph C. Springer, doing business as The Crazy Daisy Winder Co., Beverly Hills, Calif.

Filed August 1, 1945. Serial No. 486,593. PUBLISHED DECEMBER 10, 1946. Class 23.

428,072. TOOTH PASTE. Hijos de S. de Orive, Logrono, Spain.

Filed August 9, 1945. Serial No. 486,949. PUBLISHED DECEMBER 3, 1946. Class 6.

428,073. HAND OPERATED PRESS FOR USE IN ELECTRIC VULCANIZING OF PRECISION PLASTICS CASTINGS. Rena M. Jelenko, doing business as The Jelrus Co., New York, N. Y.

Filed August 9, 1945. Serial No. 486,953. PUBLISHED DECEMBER 3, 1946. Class 23.

428,074. PERFUMERY. Evelyn Westall, doing business as E. Westall Co., New York, N. Y.

Filed August 14, 1945. Serial No. 487,155. PUBLISHED FEBRUARY 12, 1946. Class 6.

428,075. INGREDIENTS OR SUPPLEMENTS OF FOODS, CONTAINING RIBOFLAVIN AND OTHER NUTRITIVE ELEMENTS, FOR ADDITION TO THE FEED OF POULTRY AND LIVESTOCK. Commercial Solvents Corporation, New York, N. Y.

Filed August 17, 1945. Serial No. 487,168. PUBLISHED DECEMBER 17, 1946. Class 6.

428,076. RAZOR BLADES. Jacob P. Segelman, doing business as Dynamic Razor Blade Company, Los Angeles, Calif.

Filed August 17, 1945. Serial No. 487,214. PUBLISHED DECEMBER 17, 1946. Class 23.

428,077. EMERY WHEEL DRESSERS. City Machine Company, Piqua, Ohio.

Filed August 25, 1945. Serial No. 487,546. PUBLISHED DECEMBER 10, 1946. Class 23.

428,078. PUMPS AND PARTS THEREOF—NAMELY, VACUUM PUMPS, VACUUM HEATING PUMPS, AIR COMPRESSERS, ETC. Nash Engineering Company, South Norwalk, Conn.

Filed August 30, 1945. Serial No. 487,792. PUBLISHED DECEMBER 17, 1946. Class 23.

428,079. LIPSTICKS. The National Mineral Company, Chicago, Ill., now by change of name to National Industries, Inc.

Filed August 31, 1945. Serial No. 487,854. PUBLISHED DECEMBER 3, 1946. Class 6.

428,080. LIPSTICKS. The National Mineral Company, Chicago, Ill., now by change of name to National Industries, Inc.

Filed August 31, 1945. Serial No. 487,858. PUBLISHED DECEMBER 3, 1946. Class 6.

428,081. MATTRESSES, BOX SPRINGS, SPRING SEATS, AND COUCHES. S. Karpen & Bros., Chicago, Ill.

Filed September 7, 1945. Serial No. 488,106. PUBLISHED DECEMBER 17, 1946. Class 32.

428,082. SWEATERS, HOSIERY, UNDERWEAR, UNDERSHIRTS, AND SUSPENDERS FOR MEN AND BOYS. The Lyntone Company, Oklahoma City, Okla.

Filed September 11, 1945. Serial No. 488,273. PUBLISHED MARCH 12, 1946. Class 39.

428,083. TOY GLIDERS. Grotke Manufacturing Co., Los Angeles, Calif.

Filed September 24, 1945. Serial No. 488,898. PUBLISHED FEBRUARY 12, 1946. Class 22.

428,084. DRESSES, NIGHT GOWNS, PAJAMAS, SLEEP-COATS, BED JACKETS, NIGHT SHIRTS, HOUSE-COATS, ETC. Bertice Pauline Garrison, doing business as Paula Garrison, Seattle, Wash.

Filed October 17, 1945. Serial No. 490,063. PUBLISHED NOVEMBER 26, 1946. Class 39.

428,085. OINTMENT FOR TREATMENT OF ECZEMA AND OTHER SKIN AILMENTS. Mary Chisholm, Manchester, Ky.

Filed October 31, 1945. Serial No. 490,792. PUBLISHED DECEMBER 17, 1946. Class 6.

428,086. DRESSES FOR LADIES. Crystal Juniors, Inc., New York, N. Y.

Filed November 1, 1945. Serial No. 490.875. PUBLISHED DECEMBER 17, 1946. Class 39.

428,087. AFTER-SHAVE LOTION, HAIR TONIC, AFTER-SHAVE TALC, AFTER-SHOWER TALC, FOOT POWDER, AFTER-SHAVE CREAM, MOUTH WASH, AND TOOTH PASTE. Galen Laboratories, Pittsburgh, Pa.

Filed November 1, 1945. Serial No. 490,884. PUBLISHED DECEMBER 17, 1946. Class 6.

428,088. COFFEE EXTRACT FOR MAKING COFFEE SYRUP FOR FOOD PURPOSES AND FOR USE IN FLAVORING ICE CREAM. Concordade Company, Inc., Providence, R. I.

Filed November 8, 1945. Serial No. 491,235. PUBLISHED JULY 2, 1946. Class 46.

428,089. WHISKEY. Old Heaven Hill Springs Distillery, doing business as Gary & Eddy Distilling Co., Bardstown, Ky.

Filed November 9, 1945. Serial No. 491,356. PUBLISHED DECEMBER 17, 1946. Class 49.

428,090. THIN, CRISP STRIP OR CHIP OF SALTY, HOT-FAT-COOKED CORN PRODUCT PREPARED AND ADAPTED PARTICULARLY FOR USE AS HORS D'OEUVRE WITH DRINKS. Gertrude S. Reed, doing business as Casa Rosa de Óra, Denver, Colo.

Filed November 13, 1945. Serial No. 491,462. PUBLISHED DECEMBER 17, 1946. Class 46.

428,091. THIN, CRISP STRIP OR CHIP OF SALTY, HOT-FAT-COOKED CORN PRODUCT PREPARED AND ADAPTED PARTICULARLY FOR USE AS HORS D'OEUVRE WITH DRINKS. Gertrude S. Reed, doing business as Casa Rosa de Ora, Denver, Colo.

Filed November 13, 1945. Serial No. 491,463. PUBLISHED DECEMBER 17, 1946. Class 46.

428,092. HAIR POMADE. James N. Ramsey, Pittsburgh, Pa.

Filed November 26, 1945. Serial No. 492,221. PUBLISHED DECEMBER 17, 1946. Class 6.

428,093. MEDICINE FOR PHTHISIS. Dansk Chemo-Therapeutisk Selskab A/S, Copenhagen, Denmark.

Filed November 27, 1945. Serial No. 492,259. PUBLISHED DECEMBER 3, 1946. Class 6.

428,094. OIL WELL TOOLS AND PARTS THEREOF—NAMELY, CUTTERS AND CUTTING KNIVES, SUBS, BITS, SWAGES, SPEARS, ETC. Houston Oil Field Material Company, Inc., Houston, Tex.

Filed November 27, 1945. Serial No. 492,266. PUBLISHED OCTOBER 1, 1946. Class 23.

428,095. WOMEN'S BLOUSES AND DRESSES. Marshall Coleman, New York, N. Y.

Filed December 1, 1945. Serial No. 492,489. PUBLISHED DECEMBER 24, 1946. Class 39.

428,096. FOLDING SPOOL RACKS FOR USE IN ROTATABLY HOLDING SPOOLS OF THREAD. Ralph E. Fast, doing business as Fast Manufacturing Co., Los Angeles, Calif.

Filed December 1, 1945. Serial No. 492,491. PUBLISHED DECEMBER 17, 1946. Class 32.

428,097. BEER. Jos. Schlitz Brewing Company, Milwaukee, Wis.

Filed December 3, 1945. Serial No. 492,589. PUBLISHED DECEMBER 3, 1946. Class 48.

428,098. WOMEN'S NIGHTGOWNS, SLIPS, PANTIES, AND PETTICOATS OF NETTED, KNITTED, AND TEXTILE FABRICS. Asha Lingerie Company, New York, N. Y.

Filed December 12, 1945. Serial No. 493,096. PUBLISHED DECEMBER 3, 1946. Class 39.

428,099. CHEMICAL PREPARATIONS FOR RUST PROOFING AND RUST REMOVING. Lanburn Chemical Co., Irvington, N. J.

Filed December 15, 1945. Serial No. 493,367. PUBLISHED DECEMBER 17, 1946. Class 6.

428,100. WASTE PAPER BASKETS. Continental Can Company, Inc., New York, N. Y.

Filed December 19, 1945. Serial No. 493,538. PUBLISHED DECEMBER 24, 1946. Class 2.

428,101. OINTMENT FOR TREATING PILES. Carmelo Bentivegna, New York, N. Y.

Filed December 20, 1945. Serial No. 493,587. PUBLISHED DECEMBER 3, 1946. Class 6.

428,102. DEODORANT PADS. Madamoiselle Co., Philadelphia, Pa.

Filed December 21, 1945. Serial No. 493,689. PUBLISHED DECEMBER 3, 1946. Class 6.

428,103. WOMEN'S AND CHILDREN'S APRONS. Irwin Rabin, New York, N. Y.

Filed December 28, 1945. Serial No. 493,980. PUBLISHED DECEMBER 3, 1946. Class 39.

428,104. PERFUMES AND ROUGES. Jean Desprez, Paris, France.

Filed December 29, 1945. Serial No. 494,039. PUBLISHED DECEMBER 17, 1946. Class 6.

428,105. SALT AND PEPPER SHAKERS, FRUIT DISHES, CEREAL BOWLS, SERVING BOWLS, DINNER PLATES, CHOP PLATES, ETC. Warren O. Nichols, doing business as Nichols Plastic and Engineering Company, Los Angeles, Calif.

Filed December 29, 1945. Serial No. 494,107. PUBLISHED DECEMBER 24, 1946. Class 2.

428,106. ELECTRICALLY OPERATED ICE CUBING (CUTTING) MACHINES AND SAND MIXING MACHINES. Flynn and Emrich Company, Baltimore, Md.

Filed January 12, 1946. Serial No. 494,665. PUBLISHED DECEMBER 3, 1946. Class 23.

428,107. TOILET ARTICLES—NAMELY, HAIR DRESSINGS, PERFUMES, AND COLOGNES. Nancy Jeanne Marks, Chicago, Ill.

Filed January 12, 1946. Serial No. 494,692. PUBLISHED DECEMBER 3, 1946. Class 6.

428,108. WORK AND TOOL HOLDING FIXTURES AND CLAMPS FOR USE ON AND IN ASSOCIATION WITH WOOD AND METAL WORKING MACHINES. Morton Machine Works, Ferndale, Mich.

Filed January 19, 1946. Serial No. 495,085. PUBLISHED DECEMBER 3, 1946. Class 23.

428,109. BITS, AUGERS, AND SCREW DRIVERS. The Irwin Auger Bit Company, Wilmington, Ohio.

Filed January 25, 1946. Serial No. 495,387. PUBLISHED DECEMBER 3, 1946. Class 23.

428,110. CHILDREN'S KNITTED SWEATERS AND JACKETS. Infanta Knitting Mills, Philadelphia, Pa.

Filed January 26, 1946. Serial No. 495,478. PUBLISHED JULY 23, 1946. Class 39.

428,111. EQUIPMENT USED FOR THE ADMINISTRATION OF ANESTHETIC RESUSCITATION AND THERAPEUTIC GASES—NAMELY, REGULATORS, ETC. Puritan Compressed Gas Corporation, Kansas City, Mo.

Filed January 26, 1946. Serial No. 495,502. PUBLISHED DECEMBER 24, 1946. Class 44.

428,112. PREPARATIONS FOR THE TREATMENT OF TEXTILE FIBERS AND FABRICS AND HAVING LEVELING, SOFTENING, PENETRATING, DEODORIZING, BLEACHING, OR DETERGENT PROPERTIES. "Coffette" Products, Inc., Brooklyn, N. Y.

Filed January 29, 1946. Serial No. 495,586. PUBLISHED DECEMBER 3, 1946. Class 6.

428,113. CAKE MAKE-UP. Evans Chemetics Inc., New York, N. Y.

Filed January 29, 1946. Serial No. 495,598. PUBLISHED DECEMBER 17, 1946. Class 6.

428,114. DARTS AND DART GAMES. Dart Board Equipment Company, Philadelphia, Pa.

Filed February 1, 1946. Serial No. 495,794. PUBLISHED DECEMBER 24, 1946. Class 22.

428,115. POULTRY AND LIVESTOCK FEEDS—NAMELY, 18% CHICK STARTER, 18% BROILER RATION, 18% CHICK GROWER, ETC. Flambeau Milling Co., Phillips, Wis.

Filed February 8, 1946. Serial No. 496,228. PUBLISHED DECEMBER 17, 1946. Class 46.

428,116. SLEEPING BAGS IN THE NATURE OF BEDS. Simon Mattress Manufacturing Co., San Francisco, Calif.

Filed February 12, 1946. Serial No. 496,480. PUBLISHED DECEMBER 24, 1946. Class 22.

428,117. AQUEOUS EMULSIONS OF THERMOPLASTIC RESINS FOR USE IN TREATING TEXTILE FABRICS TO IMPART A DURABLE FINISH. United States Rubber Company, New York, N. Y.

Filed February 12, 1946. Serial No. 496,490. PUBLISHED DECEMBER 3, 1946. Class 6.

428,118. PRECISION MACHINE TOOLS—NAMELY, SPECIAL LAPPING MACHINES, SPECIAL GAGE GRINDING MACHINES, SPECIAL GRINDING SPINDLE, ETC. American Measuring Instruments Corp., New York, N. Y.

Filed February 14, 1946. Serial No. 496,532. PUBLISHED DECEMBER 10, 1946. Class 23.

428,119. CAMERAS, OPTICAL INSTRUMENTS, PROJECTORS AND THEIR PARTS—NAMELY, OPTICAL TEST INDICATORS, TOOLMAKERS' MICROSCOPES, ETC. American Measuring Instruments Corp., New York, N. Y.

Filed February 14, 1946. Serial No. 496,533. PUBLISHED DECEMBER 17, 1946. Class 26.

428,120. PERFUMES, TOILET WATERS, AND COSMETIC CREAMS. Lentheric, Incorporated, New York, N. Y.

Filed February 15, 1946. Serial No. 496,642. PUBLISHED DECEMBER 17, 1946. Class 6.

428,121. INSECTICIDES. Edwin W. Heath, III, doing business as Heath Products Co., Bristol, Pa.

Filed February 16, 1946. Serial No. 496,701. PUBLISHED DECEMBER 17, 1946. Class 6.

428,122. WHISKEY. Glenmore Distilleries Company, Louisville and Owensboro, Ky.

Filed February 19, 1946. Serial No. 496,903. PUBLISHED DECEMBER 3, 1946. Class 49.

428,123. MEDICINAL PREPARATION FOR THE TREATMENT OF OBESITY. William P. Riggins, doing business as Wm. P. Riggins Co., Arlington, Va.

Filed February 20, 1946. Serial No. 496,984. PUBLISHED DECEMBER 17, 1946. Class 6.

428,124. HARD CANDY DROPS. F & F Laboratories, Inc., Chicago, Ill.

Filed February 23, 1946. Serial No. 497,081. PUBLISHED DECEMBER 17, 1946. Class 46.

428,125. LIQUID PETROLEUM HYDROCARBON SOLVENTS OF THE BOILING RANGE UP TO AND INCLUDING THAT OF THE GAS-OIL BOILING RANGE AND HAVING A GENERAL USE IN THE INDUSTRIAL ARTS. Kendall Refining Company, Bradford, Pa.

Filed February 25, 1946. Serial No. 497,183. PUBLISHED DECEMBER 3, 1946. Class 6.

428,126. PREPARATION FOR USE IN THE TREATMENT OF SCREW WORMS, WIRE CUTS, PINK EYES AND CANCER EYES IN CATTLE, SHEEP AND HORSES. Charles A. Wedgeworth, Pampa, Tex.

Filed February 26, 1946. Serial No. 497,285. PUBLISHED DECEMBER 17, 1946. Class 6.

428,127. INSECTICIDES. Francis H. Hoge, Jr., doing business as the U. N. Products Company, New York, N. Y.

Filed February 27, 1946. Serial No. 497,310. PUBLISHED DECEMBER 17, 1946. Class 6.

428,128. FLUIDS FOR EMBALMING AND FOR DISINFECTING THE DEAD HUMAN BODY. William L. Armstrong, doing business as Armstrong Chemical Company, Fremont, Nebr.

Filed February 28, 1946. Serial No. 497,361. PUBLISHED DECEMBER 17, 1946. Class 6.

428,129. EXPANSION WRIST BRACELETS MADE OF STAINLESS STEEL AND PRECIOUS AND SEMI-PRECIOUS METALS. Enel Manufacturing Co., Inc., New York, N. Y.

Filed February 28, 1946. Serial No. 497,380. PUBLISHED DECEMBER 17, 1946. Class 28.

428,130. OUTER GARMENTS COMPRISING WOMEN'S AND CHILDREN'S SHORTS, SLACKS, SUN-SUITS, OVER-ALLS, AND WASH SUITS. The Simon-Zucker Co., New York, N. Y.

Filed February 28, 1946. Serial No. 497,422. PUBLISHED DECEMBER 3, 1946. Class 39.

428,131. COMPOSITION FOR TREATMENT OF VARICOSE VEINS. Wallace & Tiernan Products Incorporated, Belleville, N. J.

Filed February 28, 1946. Serial No. 497,429. PUBLISHED DECEMBER 3, 1946. Class 6.

428,132. WOMEN'S AND MISSES' BLOUSES, SLACKS, SPORT SUITS, SLIPS, PANTIES, NIGHTGOWNS, AND PAJAMAS. William H. Schumer, doing business as Wm. H. Schumer, Los Angeles, Calif.

Filed March 7, 1946. Serial No. 497,819. PUBLISHED DECEMBER 3, 1946. Class 39.

428,133. PERFUMES. Harry A. Simon, doing business as La Floreal Parfum Sales Co., Hollywood, Calif.

Filed March 7, 1946. Serial No. 497,823. PUBLISHED DECEMBER 17, 1946. Class 6.

428,134. PREPARATION FOR RELIEF OF ATHLETE'S FOOT. William J. Mc Nulty, doing business under the name Elbon Lab., Montclair, N. J.

Filed March 11, 1946. Serial No. 498,015. PUBLISHED DECEMBER 3, 1946. Class 6.

428,135. CHEMOTHERAPEUTIC AGENT FOR USE IN TREATMENT OF ACID-FAST BACTERIAL INFECTIONS. Parke, Davis & Company, Detroit, Mich.

Filed March 11, 1946. Serial No. 498,028. PUBLISHED DECEMBER 3, 1946. Class 6.

428,136. GARDEN AND FIELD HAND AND POWER OPERATED CULTIVATORS. Kimball-Hill, Incorporated, New York, N. Y.

Filed March 13, 1946. Serial No. 498,151. PUBLISHED DECEMBER 10, 1946. Class 23.

428,137. MACHINES FOR USE IN STANDARD SEWAGE DISPOSAL PLANTS FOR GRINDING AND COMMINUTING SEWAGE SOLIDS, AND PARTS THEREOF. Infilco Incorporated, Chicago, Ill.

Filed March 16, 1946. Serial No. 498,350. PUBLISHED DECEMBER 3, 1946. Class 23.

428,138. GERMICIDAL PREPARATION FOR DISINFECTING AND DEODORIZING MOUTH PIECES OF TRANSMITTERS—NAMELY, DICTAPHONES, MICROPHONES, TELEPHONES, AND ALL EQUIPMENT WHICH HAS A MOUTHPIECE. Arthur N. Davis, doing business as Ard Products Co., Chicago, Ill.

Filed March 18, 1946. Serial No. 498,403. PUBLISHED DECEMBER 3, 1946. Class 6.

428,139. LIQUID LINIMENT FOR EXTERNAL USE, SUCH AS BY A RUBBING APPLICATION AND ADAPTED FOR THE RELIEF OF MUSCULAR ACHES AND PAINS, SPRAINS, BRUISES, SWOLLEN OR STIFF JOINTS. The Effectine Company, Indian Orchard, Mass.

Filed March 18, 1946. Serial No. 498,406. PUBLISHED DECEMBER 17, 1946. Class 6.

428,140. DIES, MOLDS AND TAPPING AND SCREW FORMING APPARATUS. The Viking Tool & Machine Corporation, Belleville, N. J.

Filed March 20, 1946. Serial No. 498,665. PUBLISHED DECEMBER 10, 1946. Class 23.

428,141. OIL MISCIBLE CHEMICAL COMPOUND ADAPTED TO FILTER HARMFUL SOLAR RAYS. Joseph Genovese, doing business as Genovese, Long Island City, N. Y.

Filed March 23, 1946. Serial No. 498,833. PUBLISHED DECEMBER 17, 1946. Class 6.

428,142. GIRLS', MISSES' AND JUNIOR AND WOMEN'S DRESSES. Marilyn Joy Inc., New York, N. Y.

Filed March 25, 1946. Serial No. 498,909. PUBLISHED NOVEMBER 26, 1946. Class 39.

428,143. COMPOUNDED OIL USED TO INCREASE THE ABSORBENCY OF CELLULOSE PRODUCTS AND TEXTILE MATERIALS. Socony-Vacuum Oil Company, Incorporated, New York, N. Y.

Filed March 29, 1946. Serial No. 499,291. PUBLISHED DECEMBER 10, 1946. Class 6.

428,144. FACE POWDER. Pond's Extract Company, New York, N. Y., and elsewhere.

Filed March 30, 1946. Serial No. 499,349. PUBLISHED DECEMBER 17, 1946. Class 6.

428,145. GRADUATED FORMULA PITCHERS. Glasco Products Company, Chicago, Ill.

Filed April 3, 1946. Serial No. 499,547. PUBLISHED DECEMBER 24, 1946. Class 26.

428,146. LORGNETTES, EYEGLASSES, AND CONSTITUENT PARTS THEREOF. Walter A. Blocker, New York, N. Y.

Filed April 5, 1946. Serial No. 499,693. PUBLISHED DECEMBER 24, 1946. Class 26.

428,147. TABLETS FOR USE IN THE RELIEF OF SIMPLE NEURALGIA AND HEADACHE. Robert Lee Lang, doing business as Lang Brothers, Paducah, Ky.

Filed April 5, 1946. Serial No. 499,715. PUBLISHED DECEMBER 3, 1946. Class 6.

428,148. DEFECANT FOR SUGAR SOLUTIONS. John J. Naugle, doing business as John J. Naugle Laboratory, New York, N. Y., assignor to Elguanite Corporation, New York, N. Y., a corporation of Delaware

Filed April 8, 1946. Serial No. 499,852. PUBLISHED DECEMBER 17, 1946. Class 6.

428,149. SACHETS, PERFUMES, TOILET WATERS, AND POWDERS—NAMELY, TALCUM POWDER, SACHET POWDER, AND BODY POWDER. Hervey Associates, New York, N. Y.

Filed April 12, 1946. Serial No. 500,081. PUBLISHED DECEMBER 17, 1946. Class 6.

428,150. INFANTS' AND CHILDREN'S DRESSES, SUN-DRESSES, COATS, PINAFORES, SUITS, BONNETS, PANTIES, SLIPS, AND HALF PETTICOATS. The Judy Jim Shop, Orlando, Fla.

Filed April 12, 1946. Serial No. 500,083. PUBLISHED NOVEMBER 26, 1946. Class 39.

428,151. PHARMACEUTICALS, SPECIFICALLY SEDATIVE. Smith, Kline & French Laboratories, Philadelphia, Pa.

Filed April 12, 1946. Serial No. 500,139. PUBLISHED DECEMBER 17, 1946. Class 6.

428,152. INFANTS', TODDLERS', CHILDREN'S, GIRLS' JUNIORS', TEEN-AGERS', WOMEN'S AND MISSES' APRONS, BATHING SUITS, ETC. Loomtogs, Inc., New York, N. Y.

Filed April 13, 1946. Serial No. 500,174. PUBLISHED DECEMBER 17, 1946. Class 39.

428,153. IRONING BOARDS. Hight Manufacturing Company, Oklahoma City, Okla.

Filed April 15, 1946. Serial No. 500,219. PUBLISHED DECEMBER 17, 1946. Class 24.

428,154. MEN'S COSMETIC PRODUCTS AND TOILETRIES—NAMELY, HAIR LOTION AND AFTER SHAVING LOTION. Avon Products, Inc., New York, N. Y.

Filed April 16, 1946. Serial No. 500,272. PUBLISHED DECEMBER 17, 1946. Class 6.

428,155. LAUNDRY STARCH. The Hubinger Company, Keokuk, Iowa.

Filed April 17, 1946. Serial No. 500,392. PUBLISHED DECEMBER 3, 1946. Class 6.

428,156. SWEATERS FOR MEN, WOMEN, BOYS, AND GIRLS, MUFFLERS AND COTTON BASQUE SHIRTS. Lord Jeff Knitting Company, Incorporated, New York, N. Y.

Filed April 17, 1946. Serial No. 500,399. PUBLISHED NOVEMBER 12, 1946. Class 39.

428,157. BABY CREAM, TALCUM POWDER, AND BABY OIL. Helene Pessl, Inc., New York, N. Y.

Filed Apr. 17, 1946. Serial No. 500,410. PUBLISHED DECEMBER 17 1946. Class 6.

428,158. METAL WORKING MACHINES AND TOOLS THEREFOR—NAMELY, CUTTERS, REAMERS, BORERS AND THE LIKE, AND TOOL HOLDERS THEREFOR. Potter & Johnston Machine Company, Pawtucket, R. I.

Filed April 17, 1946. Serial No. 500,412. PUBLISHED DECEMBER 3, 1946. Class 23.

428,159. PRODUCT IN CAPSULE, TABLET, LIQUID OR POWDER FORM FOR USE AS A GENERAL DIETARY SUPPLEMENT AND TONIC IN CONDITIONS OF DEBILITY. The Wm. S. Merrell Company, Cincinnati, Ohio.

Filed April 19, 1946. Serial No. 500,554. PUBLISHED DECEMBER 17, 1946. Class 6.

428,160. SPECTACLES, MOVING PICTURE FILM, AND CAMERAS. Consolidated Cosmetics, Chicago, Ill.

Filed April 20, 1946. Serial No. 500,604. PUBLISHED DECEMBER 24, 1946. Class 26.

428,161. FLEXIBLE SHAFT TOOL FOR PICKING UP, PLACING, AND STARTING ARTICLES SUCH AS NUTS AND BOLTS. J. R. McCarroll Company, Kansas City, Kans.

Filed April 20, 1946. Serial No. 500,624. PUBLISHED DECEMBER 17, 1946. Class 28.

428,162. WASHABLE PROFESSIONAL AND SERVICE APPAREL—NAMELY, NURSES' UNIFORMS AND CAPS; UTILITY AND SERVICE UNIFORMS, ETC. Raymond P. Schulte, doing business as Morrison Garment Co., St. Paul, Minn.

Filed April 20, 1946. Serial No. 500,631. PUBLISHED NOVEMBER 12, 1946. Class 39.

428,163. PHARMACEUTICALS—NAMELY, VITAMINS A, B, C, D, B COMPLEX, MIXTURES OF VITAMINS, BREWERS' YEAST, ETC. Charles Tanzer, doing business as Hygeia Pharmaceutical Co., New York, N. Y.

Filed April 23, 1946. Serial No. 500,779. PUBLISHED DECEMBER 17, 1946. Class 6.

428,164. THERMOSTATICALLY CONTROLLED, VARIABLE DIAMETER, AND V-PULLEYS. Webster Electric Company, Racine, Wis.

Filed April 24, 1946. Serial No. 500,850. PUBLISHED DECEMBER 3, 1946. Class 23.

428,165. GEARING AND GEAR BOXES. David Brown & Sons (Huddersfield), Limited, Lockwood, Huddersfield, England.

Filed April 25, 1946. Serial No. 500,854. PUBLISHED DECEMBER 3, 1946. Class 23.

428,166. MEN'S AND BOYS' WORK PANTS, WORK SHIRTS, OVERALLS, LINED COATS, SPORTSWEAR—NAMELY, SLACKS, KNICKERS, ETC. Carwood Manufacturing Company, Winder, Ga.

Filed April 25, 1946. Serial No. 500,857. PUBLISHED DECEMBER 17, 1946. Class 39.

428,167. AUTOMOTIVE AND INDUSTRIAL LUBRICATING EQUIPMENT—NAMELY, CABINET TYPE LUBRICATORS, STATIONARY LUBRICANT SYSTEMS, ETC. The Aro Equipment Corporation, Bryan, Ohio.

Filed April 26, 1946. Serial No. 500,932. PUBLISHED DECEMBER 17, 1946. Class 23.

428,168. FRESH VEGETABLES. United Farms Co., Guadalupe, Calif.

Filed April 26, 1946. Serial No. 501,029. PUBLISHED DECEMBER 17, 1946. Class 46.

428,169. HAIR DYES. Carl Damschinsky, Inc., Woodside, Long Island, N. Y.

Filed April 27, 1946. Serial No. 501,052. PUBLISHED DECEMBER 17, 1946. Class 6.

428,170. FRESH CITRUS FRUIT. Pacific Coast Fruit Distributors, Los Angeles, Calif.

Filed April 29, 1946. Serial No. 501,139. PUBLISHED DECEMBER 17, 1946. Class 46.

428,171. ANTISEPTICS FOR CLEANSING OF PARTS OF THE FEMALE ORGANISM, IN POWDER, TABLET AND LIQUID FORM. Peggy Breed, New York, N. Y.

Filed April 30, 1946. Serial No. 501,160. PUBLISHED DECEMBER 10, 1946. Class 6.

428,172. SIMULATED PEARLS AND COSTUME JEWELRY. Alfred Pohl, New York, N. Y.

Filed April 30, 1946. Serial No. 501,198. PUBLISHED DECEMBER 17, 1946. Class 28.

428,173. COSTUME JEWELRY. Reja, Inc., New York, N. Y.

Filed April 30, 1946. Serial No. 501,201. PUBLISHED DECEMBER 17, 1946. Class 28.

428,174. ANTIBACTERIAL SUSPENSION. Sharp & Dohme, Incorporated, Philadelphia, Pa.
Filed April 30, 1946. Serial No. 501,210. PUBLISHED DECEMBER 10, 1946. Class 6.

428,175. ANTIBACTERIAL SUSPENSION. Sharp & Dohme, Incorporated, Philadelphia, Pa.
Filed April 30, 1946. Serial No. 501,211. PUBLISHED DECEMBER 10, 1946. Class 6.

428,176. SIPHON JIGGERS. The Bixler Corporation, Cleveland, Ohio.
Filed May 3, 1946. Serial No. 501,359. PUBLISHED DECEMBER 17, 1946. Class 23.

428,177. TRANSLUCENT DRAFTING MATERIAL SUITABLE FOR USE IN THE PRODUCTION OF TEMPLATES BY PHOTOGRAPHIC PROCESSES, ETC. The Di-Noc Company, Cleveland, Ohio.
Filed May 6, 1946. Serial No. 501,503. PUBLISHED DECEMBER 17, 1946. Class 26.

428,178. UNDERWEAR AND PAJAMAS FOR MEN. Narragansett Industries Corporation, Providence, R. I.
Filed May 6, 1946. Serial No. 501,525. PUBLISHED DECEMBER 24, 1946. Class 39.

428,179. SMALL TEMPERATURE RECORDING INSTRUMENTS. Bacharach Industrial Instrument Company, Pittsburgh, Pa.
Filed May 8, 1946. Serial No. 501,627. PUBLISHED DECEMBER 17, 1946. Class 26.

428,180. MEN'S CLOTHING—NAMELY, SUITS, TROUSERS, COATS AND TOPCOATS. Joseph H. Cohen & Sons, Inc., New York, N. Y.
Filed May 8, 1946. Serial No. 501,636. PUBLISHED DECEMBER 3, 1946. Class 39.

428,181. LADIES' AND CHILDREN'S KNITTED, COTTON, SILK OR RAYON VESTS, BLOOMERS, PANTIES, SLIPS, ETC. Kingsboro Silk Mills, Inc., Daisy, Tenn.
Filed May 9, 1946. Serial No. 501,744. PUBLISHED DECEMBER 24, 1946. Class 39.

428,182. OUTER GARMENTS FOR YOUNG MEN AND BOYS—NAMELY, SUITS, COATS, VESTS, KNICKERBOCKERS, BLOOMERS, ETC. I. & L. Michaels, New York, N. Y.
Filed May 9, 1946. Serial No. 501,756. PUBLISHED DECEMBER 17, 1946. Class 39.

428,183. MEN'S AND BOYS' SWEATERS AND OUTER SHIRTS. Wolff Shirt Company, New York, N. Y.
Filed May 9, 1946. Serial No. 501,798. PUBLISHED NOVEMBER 12, 1946. Class 39.

428,184. FUR COATS. Town and Country Club Furs, Inc., New York, N. Y.
Filed May 10, 1946. Serial No. 501,884. PUBLISHED DECEMBER 17, 1946. Class 39.

428,185. WOMEN'S, MISSES', AND CHILDREN'S DRESSES, PLAYSUITS, AND BATHING SUITS. S. Augstein & Co. Inc., College Point, N. Y.
Filed May 11, 1946. Serial No. 501,894. PUBLISHED DECEMBER 24, 1946. Class 39.

428,186. EYEGLASS AND SPECTACLE FRAMES AND PARTS THEREFOR. The Kono Manufacturing Company, Woodside, N. Y.
Filed May 11, 1946. Serial No. 501,913. PUBLISHED DECEMBER 17, 1946. Class 26.

428,187. SUNGLASSES, OPHTHALMIC FRAMES, LENSES, AND SUNGLASS CARRYING CASES. Foster Grant Co. Inc., Leominster, Mass.
Filed May 13, 1946. Serial No. 501,974. PUBLISHED DECEMBER 24, 1946. Class 26.

428,188. SUNGLASSES. Foster Grant Co. Inc., Leominster, Mass.
Filed May 13, 1946. Serial No. 501,975. PUBLISHED DECEMBER 24, 1946. Class 26.

428,189. SUNGLASS LENSES. Foster Grant Co. Inc., Leominster, Mass.
Filed May 13, 1946. Serial No. 501,978. PUBLISHED DECEMBER 24, 1946. Class 26.

428,190. LADIES' SUITS, JACKETS, AND SKIRTS. Jack Baker Sportswear Co. Inc., New York, N. Y.
Filed May 14, 1946. Serial No. 502,056. PUBLISHED DECEMBER 17, 1946. Class 39.

428,191. MISSES' AND JUNIOR MISSES' DANCE FROCKS. Samuel Citron, doing business as Barbara Dance Frocks, New York, N. Y.
Filed May 15, 1946. Serial No. 502,120. PUBLISHED DECEMBER 17, 1946. Class 39.

428,192. KEY BLANKS. The Atlas-Ansonia Company, North Haven, Conn.
Filed May 16, 1946. Serial No. 502,181. PUBLISHED DECEMBER 17, 1946. Class 25.

428,193. WOMEN'S SUITS, COATS, SKIRTS, DRESSES, AND BLOUSES. Ginet, Inc., Charlotte, N. C.
Filed May 17, 1946. Serial No. 502,287. PUBLISHED DECEMBER 17, 1946. Class 39.

428,194. WOMEN'S KNITTED TEE SHIRTS, AND KNITTED SWEATERS, MADE OF NYLON AND WOOL YARNS. Manchester Knitted Fashions, Inc., Manchester, N. H.
Filed May 17, 1946. Serial No. 502,310. PUBLISHED DECEMBER 24, 1946. Class 39.

428,195. FOOT SOCKS. Sarfert Hosiery Mills, Inc., Philadelphia, Pa.
Filed May 20, 1946. Serial No. 502,465. PUBLISHED NOVEMBER 12, 1946. Class 39.

428,196. MEN'S OVERCOATS AND TOPCOATS, AND SUITS—NAMELY, COATS, PANTS, AND VESTS. Joseph M. Klein, New York, N. Y.
Filed May 21, 1946. Serial No. 502,518. PUBLISHED SEPTEMBER 24, 1946. Class 39.

428,197. HOSE FOR CHILDREN. F. W. Woolworth Company, New York, N. Y.
Filed May 21, 1946. Serial No. 502,549. PUBLISHED NOVEMBER 12, 1946. Class 39.

428,198. SPORT JACKETS, SPORT SHIRTS FOR MEN, WOMEN, AND BOYS. Bancroft Sportswear Inc., Boston, Mass.
Filed May 23, 1946. Serial No. 502,615. PUBLISHED SEPTEMBER 24, 1946. Class 39.

428,199. WOMEN'S HOSIERY. Artcraft Hosiery Company, Philadelphia, Pa.
Filed May 25, 1946. Serial No. 502,733. PUBLISHED NOVEMBER 19, 1946. Class 39.

428,200. MISSES' AND JUNIORS' SPORTSWEAR—NAMELY, SKIRTS, SLACKS, JACKETS, SUITS, SHORTS, AND TOPPERS. Coill-Shuman Co., Boston, Mass.
Filed May 28, 1946. Serial No. 502,884. PUBLISHED DECEMBER 3, 1946. Class 39.

428,201. RAINCOATS, RAIN HATS, AND RAIN CAPES. Aquatogs, Inc., New York, N. Y.
Filed May 29, 1946. Serial No. 502,934. PUBLISHED DECEMBER 17, 1946. Class 39.

428,202. SWEATERS. Cammart Knitwear, Inc., New York, N. Y.
Filed May 29, 1946. Serial No. 502,943. PUBLISHED NOVEMBER 12, 1946. Class 39.

428,203. NEGLIGEE SHIRTS AND SPORTSHIRTS FOR MEN AND YOUNG MEN. TruVal Manufacturers, Inc., New York, N. Y.
Filed June 7, 1946. Serial No. 503,483. PUBLISHED DECEMBER 24, 1946. Class 39.

428,204. SPORTSWEAR FOR MEN AND YOUNG MEN—NAMELY, JACKETS, MACKINAWS, AND COATS. TruVal Manufacturers, Inc., New York, N. Y.
Filed June 7, 1946. Serial No. 503,484. PUBLISHED DECEMBER 24, 1946. Class 39.

428,205. PAJAMAS FOR MEN AND YOUNG MEN. TruVal Manufacturers, Inc., New York, N. Y.
Filed June 7, 1946. Serial No. 503,485. PUBLISHED DECEMBER 24, 1946. Class 39.

428,206. HOSIERY. James A. Diack, doing business as Gaylee Hosiery Co., New York, N. Y.
Filed June 8, 1946. Serial No. 503,503. PUBLISHED DECEMBER 17, 1946. Class 39.

428,207. MEN'S, BOYS', AND WOMEN'S JACKETS AND COATS. David D. Doniger & Co., Inc., New York, N. Y.
Filed June 18, 1946. Serial No. 504,097. PUBLISHED DECEMBER 24, 1946. Class 39.

428,208. LADIES' COATS AND SUITS. Smith Rakoff & Feldman, Inc., New York, N. Y.
Filed June 27, 1946. Serial No. 504,702. PUBLISHED DECEMBER 24, 1946. Class 39.

428,209. TOY SCOOTERS. TOY TRICYCLES, TOY VELOCIPEDES, AND TOY COASTER WAGONS. J. J. Stangel Hardware Company, Manitowoc, Wis.
Filed June 27, 1946. Serial No. 504,711. PUBLISHED DECEMBER 24, 1946. Class 22.

428,210. SALT AND PEPPER SHAKERS NOT MADE OF PRECIOUS METALS. Joseph B. McKee, doing business as Multi Mfg. Co., Los Angeles, Calif.
Filed July 1, 1946. Serial No. 505,142. PUBLISHED DECEMBER 24, 1946. Class 2.

428,211. PYROPHORIC CIGARETTE AND CIGAR LIGHTERS. The Flying Tigers (American Volunteer Group—Chinese Air Force), Incorporated, New York, N. Y.
Filed July 22, 1946. Serial No. 506,023. PUBLISHED DECEMBER 17, 1946. Class 34.

428,212. DINETTE SUITES—NAMELY, TABLES AND CHAIRS. Meier & Pohlmann Furniture Co., St. Louis, Mo.
Filed August 3, 1946. Serial No. 506,829. PUBLISHED DECEMBER 17, 1946. Class 32.

428,213. BED SPRINGS. The Moore Company, Muncie, Ind.
Filed August 19, 1946. Serial No. 507,652. PUBLISHED DECEMBER 17, 1946. Class 32.

428,214. WOMEN'S CLOTHING AND APPAREL—NAMELY, WOMEN'S DRESSES, COATS, SUITS, BLOUSES, AND HATS. Neil L. Lenhoff, Detroit, Mich.
Filed August 23, 1946. Serial No. 508,083. PUBLISHED DECEMBER 24, 1946. Class 39.

428,215. EARTH WORKING, CONSTRUCTION, AND INDUSTRIAL EQUIPMENT—NAMELY, SCRAPERS, SHEEP'S FOOT ROLLERS, ETC. R. G. Le Tourneau, Inc., Stockton, Calif., and Peoria, Ill.
Filed August 28, 1946. Serial No. 508,170. PUBLISHED DECEMBER 3, 1946. Class 23.

428,216. CLINICAL THERMOMETERS. Associated Merchandising Corporation, New York, N. Y.
Filed September 4, 1946. Serial No. 508,461. PUBLISHED DECEMBER 24, 1946. Class 44.

428,217. NURSING BOTTLE STERILIZERS. Eastern-Sterilex Manufacturing Co., Brooklyn, N. Y.
Filed September 21, 1946. Serial No. 509,507. PUBLISHED DECEMBER 24, 1946. Class 44.

428,218. DIATHERMY MACHINES FOR APPLYING HEAT TO AFFECTED MEMBERS OF THE BODY FOR TREATMENT OF INFECTION AND VARIOUS TYPES OF MUSCULAR DISORDERS. The Liebel-Flarsheim Co., Cincinnati, Ohio.
Filed September 30, 1946. Serial No. 509,991. PUBLISHED DECEMBER 24, 1946. Class 44.

428,219. TOY BEAN BAGS MADE OF PLASTIC SHEETING. U. S. Fiber & Plastics Corp., Stirling, N. J.
Filed October 2, 1946. Serial No. 510,134. PUBLISHED DECEMBER 24, 1946. Class 22.

428,220. BAGS MADE OF PLASTIC SHEETING. U. S. Fiber & Plastics Corp., Stirling, N. J.
Filed October 2, 1946. Serial No. 510,137. PUBLISHED DECEMBER 24, 1946. Class 2.

428,221. MECHANICAL TOYS WHICH CAN BE ASSEMBLED AND DISASSEMBLED—NAMELY, TOY STEAM ENGINES. Miller-Simons, Inc., Cicero, Ill.
Filed October 3, 1946. Serial No. 510,187. PUBLISHED DECEMBER 24, 1946. Class 22.

428,222. LIQUID FABRIC CEMENT. Little Bear Specialties Co., Inc., Kansas City, Mo.
Filed October 17, 1946. Serial No. 510,399. PUBLISHED DECEMBER 24, 1946. Class 5.

428,223. TOY WHISTLES. Grossman Music Co., Cleveland, Ohio.
Filed October 23, 1946. Serial No. 511,324. PUBLISHED DECEMBER 24, 1946. Class 22.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

428,224. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) The Chemical Corporation, Springfield, Mass. Filed Oct. 19, 1944. Serial No. 475,481.

Luster-on

FOR CHEMICAL PREPARATIONS IN CONCENTRATED FORM FOR USE IN BRIGHTENING ZINC SURFACES.
Claims use since May 15, 1944.

428,225. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) The Mercury Manufacturing Company, Chicago, Ill. Filed Nov. 27, 1944. Serial No. 476,921.

JEEP

FOR POWER OPERATED LIFT TRUCK DESIGNED FOR LOCALIZED USE IN LIFTING, UNLOADING, TRANSFERRING, STACKING AND THE LIKE, OF MERCHANDISE.
Claims use since Mar. 4, 1942.

428,226. (CLASS 37. PAPER AND STATIONERY.) August M. Richards, Detroit, Mich. Filed May 5, 1945. Serial No. 483,036.

KLEEN KOPY

FOR SECOND SHEETS COMPRISING AN ASSEMBLY OF PAPER SHEETS AND CARBON PAPER SHEETS PERMANENTLY FIXED IN INTERLEAVED RELATION.

Claims use since May 1, 1945.

428,227. (CLASS 37. PAPER AND STATIONERY.) August M. Richards, Detroit, Mich. Filed May 5, 1945. Serial No. 483,037.

KWIK KOPY

FOR SECOND SHEETS COMPRISING AN ASSEMBLY OF PAPER SHEETS AND CARBON PAPER SHEETS PERMANENTLY FIXED IN INTERLEAVED RELATION.

Claims use since May 1, 1945.

428,228. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) Sumco Products, Inc., New York, N. Y. Filed June 16, 1945. Serial No. 484,647.

FUELKLEEN

FOR FUEL OIL CONDITIONER PREPARATION TO PREVENT FORMATION OF EMULSIONS AND TO ELIMINATE SLUDGE.

Claims use since June 1944.

428,229. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) Eunice Dawkins, Columbus, Ohio. Filed Aug. 24, 1945. Serial No. 487,503.

Dawkins' Hair Treatment

FOR OINTMENT COMPOUND FOR THE TREATMENT OF THE HAIR AND SCALP TO CLEANSE THE SCALP AND PROMOTE GROWTH OF THE HAIR.

Claims use since Aug. 3, 1945.

428,230. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) Rich Laboratories Inc., Lebanon, Pa. Filed Sept. 20, 1945. Serial No. 488,775.

RICH VAGINAL CAPSULES

FOR GELATIN CAPSULES CONTAINING CARAWAY-OLIVE OIL SOLUTION FOR SYMPTOMATIC RELIEF OF NONSPECIFIC LEUKORRHEA.

Claims use since June 16, 1945.

428,231. (CLASS 47. WINES.) B. Cribari & Sons, San Jose, Calif. Filed Oct. 15, 1945. Serial No. 489,944.

CRIBARI
Saratoga

FOR WINES.

Claims use since June 1945.

428,232. (CLASS 45. SOFT DRINKS AND CARBONATED WATERS.) Frank L. Lewis, doing business as Lewis Bottling Company, High Point, N. C. Filed Oct. 29, 1945. Serial No. 490,674.

Tru-Rich

FOR A SOFT DRINK OF ORANGE AND GRAPE FLAVOR.

Claims use since June 1945.

428,233. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) Charlie H. Woods and John H. Colbert, Buffalo, N. Y. Filed Nov. 3, 1945. Serial No. 491,037.

Woods

FOR LINIMENT FOR TREATING NEURALGIA, RHEUMATISM, SOUR STOMACH, ULCERS, AND TIRED AND SWOLLEN FEET.

Claims use since 1942.

428,234. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) Shell Oil Company, Incorporated, San Francisco, Calif. Filed Nov. 5, 1945. Serial No. 491,134.

ENDROP

FOR HORTICULTURAL HORMONE SPRAY.

Claims use since Aug. 24, 1945.

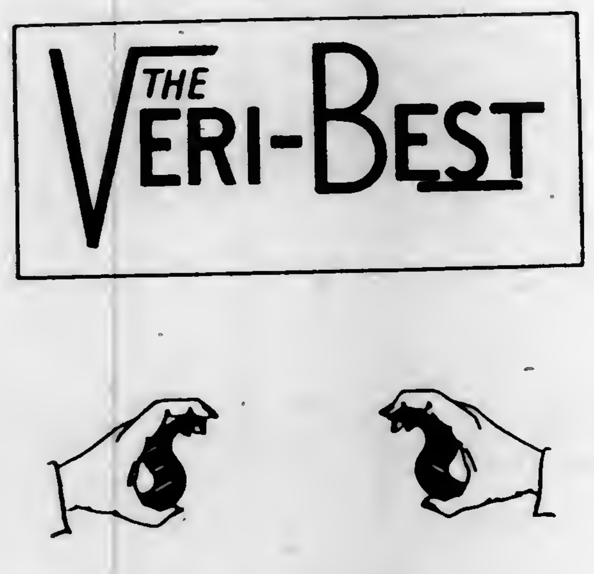
428,235. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) Marine Optical Mfg. Co., Boston, Mass. Filed Nov. 30, 1945. Serial No. 492,450.

Sport-Ray

FOR SUNGLASSES.

Claims use since Oct. 18, 1945.

428,236. (CLASS 5. ADHESIVES.) Champion Manufacturing Co., Charlotte, N. C. Filed Dec. 21, 1945. Serial No. 493,655.



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FOR PADDING CEMENT FOR MAKING UP PAPER PADS OR THE LIKE.

Claims use since Oct. 15, 1945.

428,237. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) Duart Manufacturing Co., Ltd., San Francisco, Calif. Filed Jan. 2, 1946. Serial No. 494,180.

KOLOR·
TREET

FOR HAIR COLORING SHAMPOO.

Claims use since Dec. 10, 1945.

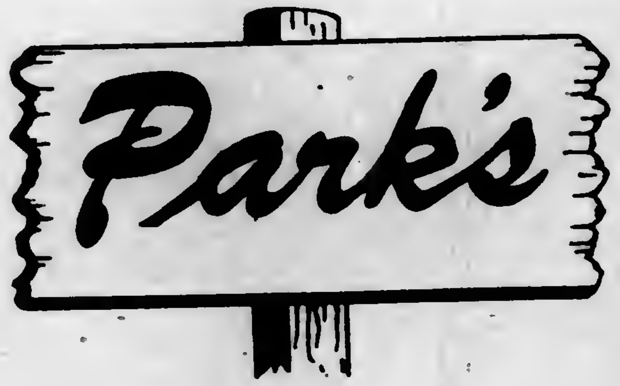
428,238. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) Irresistible, Inc., New York, N. Y. Filed Jan. 16, 1946. Serial No. 494,848.

WINCHESTER

FOR MEN'S COLOGNES.

Claims use since Jan. 7, 1946.

428,239. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) Park C. Sheesley, doing business as Park Feed and Grain Company, Harrisburg, Pa. Filed Jan. 21, 1946. Serial No. 495,155.



FOR DAIRY FEED AND LIVESTOCK FEED CONSISTING OF LINSEED OIL MEAL, WHEAT BRAN, GROUND RE-CLEANED FLAXSEED SCREENINGS, CALCIUM CARBONATE AND SALT.

Claims use since Oct. 1, 1945.

428,240. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) Norman W. Redmer, doing business as United Precision Products Co., Chicago, Ill. Filed Feb. 8, 1946. Serial No. 496,272.

FETHER-LITE

FOR PLUG GAUGES AND PARTS THEREFOR.

Claims use since Dec. 1, 1945.

428,241. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) Reta Terrell, Chicago, Ill. Filed Feb. 16, 1946. Serial No. 496,739.

BLANC DE CHINE

FOR PERFUMES, FACE POWDER, BATH POWDER, PERFUMED SACHET IN POWDERED FORM, TOILET WATER AND BATH OILS.

Claims use since October 1943.

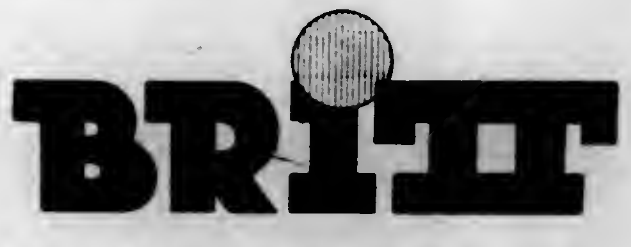
428,242. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) Eli Lilly and Company, Indianapolis, Ind. Filed Mar. 29, 1946. Serial No. 499,249.

COCO-THIAZOLE

FOR MEDICINAL PREPARATION CONTAINING A COCO SUSPENSION OF SULFATHIAZOLE USEFUL PRIMARILY IN THE TREATMENT OF INFECTION IN CHILDREN.

Claims use since Dec. 13, 1943.

428,243. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) Weyermann & Co., Zurich, Switzerland. Filed Apr. 19, 1946. Serial No. 500,592.



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FOR FACE LOTION, AFTER SHAVING LOTION, AND STYPTIC PENCILS.

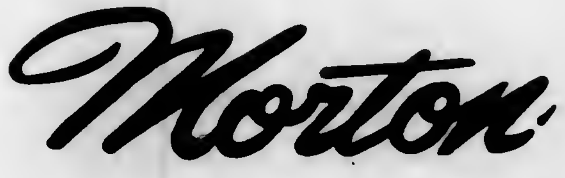
Claims use since November 1939.

428,244. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) The Baldwin Locomotive Works, Eddystone, Pa. Filed May 7, 1946. Serial No. 501,557.

FOR STRENGTH OF MATERIALS TESTING MACHINES; STRESS AND STRAIN MEASURING AND INDICATING INSTRUMENTS FOR MATERIALS TESTING; STRAIN GAGES; STRAIN INDICATING AND RECORDING INSTRUMENTS; WIND TUNNELS FOR TESTING AIRPLANE MODELS OR THE LIKE; AND RAILWAY VEHICLES FOR TESTING WEIGHING SCALES.

Claims use since 1944.

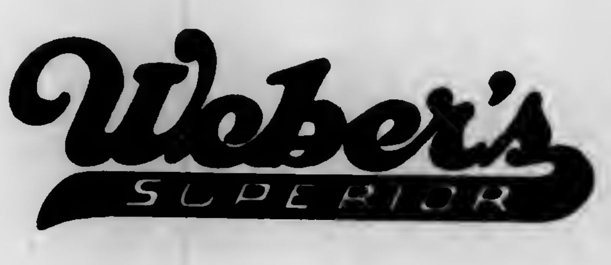
428,245. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) Morton Appliance Company, Inc., Chicago, Ill. Filed May 31, 1946. Serial No. 503,114.



FOR ELECTRIC LAUNDRY WASHERS AND IRONERS.

Claims use since Dec. 30, 1945.

428,246. (CLASS 45. SOFT DRINKS AND CARBONATED WATERS.) Mildred A. Skelley, doing business as Weber's Root Beer Company, Dallas, Tex. Filed June 24, 1946. Serial No. 504,514.



FOR ROOT BEER.

Claims use since July 18, 1924.

TRADE-MARK REGISTRATIONS RENEWED

28,711. **EDME.** MALT EXTRACT. Registered Aug. 4, 1896. The English Diastasic Malt Extract Company, Limited, Mistley, England. Re-renewed Aug. 4, 1946, to Edme Limited, London, England, an incorporated company of Great Britain. Classes 6 and 46.

52,478. **"RIOJA CLARETE" ETC. AND DESIGN.** CLARET IN BOTTLES. Registered May 8, 1906. Compañia Vinicola del Norte de España, Bilbao, Spain, a corporation of Spain. Re-renewed May 8, 1946. Class 47.

56,947. **CENTAUR.** SHOE-LEATHER. Registered Oct. 23, 1906. Albert Trostel & Sons. Re-renewed Oct. 23, 1946, to Albert Trostel & Sons Company, Milwaukee, Wis., a corporation of Wisconsin. Class 1.

58,672. **REGAL.** CARBON-PAPER AND TYPE-WRITER RIBBONS. Registered Dec. 18, 1906. Wyckoff, Seamans & Benedict, Ilion, N. Y. Re-renewed Dec. 18, 1946, to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware. Class 11.

215,856. **"THE VICTORIA" ETC. AND DRAWING.** MATCHES. Registered July 27, 1926. Union Allumettière Société Anonyme. Renewed July 27, 1946, to Union Allumettiere S. A., Brussels, Belgium, a corporation of Belgium. Class 9.

217,000. **"HARD BOILED" AND DRAWING.** PROTECTIVE HATS AND CAPS FOR MEN, WOMEN, AND CHILDREN DESIGNED TO PROTECT THE HEAD OF THE WEARER FROM INJURY. Registered Aug. 24, 1926. Edward W. Bullard, doing business as E. D. Bullard Co. Renewed Aug. 24, 1946, to E. D. Bullard Company, San Francisco, Calif., a corporation of California. Class 39.

220,317. **"L. C. N" AND DESIGN.** DOOR CLOSERS. Registered Nov. 9, 1926. Norton Lasier Company, Chicago, Ill., a corporation of Illinois. Renewed Nov. 9, 1946. Class 13.

221,162. **CYLKO.** SENSITIZED PHOTOGRAPHIC PAPER. Registered Nov. 23, 1926. Ansco Photoproducts, Inc., Binghamton, N. Y. Renewed Nov. 23, 1946, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware. Class 26.

222,063. **"10,000 LAKES" AND DRAWING.** CANNED VEGETABLES. Registered Dec. 21, 1926. Red Owl Stores, Incorporated. Renewed Dec. 21, 1946, to Red Owl Stores, Inc., Minneapolis, Minn., a corporation of Delaware. Class 46.

222,260. **REPRESENTATION OF A PANEL AND RAYS WITHIN A RECTANGULAR BORDER.** TOILET SOAP. Registered Dec. 28, 1926. Western Operating Company, Milwaukee, Wis. Renewed Dec. 28, 1946, to Norwood, Inc., Jersey City, N. J., a corporation of Delaware. Class 4.

222,653. **NEW AGE.** WHEAT FLOUR. Registered Jan. 4, 1927. The Century Milling Co., Minneapolis, Minn. Renewed Jan. 4, 1947, to The Century Milling Co., New Ulm, Minn., a corporation of Minnesota. Class 46.

222,675. **"GALANTE" AND DRAWING.** TEXTILE BLANKETS. Registered Jan. 4, 1927. The Esmond Mills. Renewed Jan. 4, 1947, to The Esmond Mills Incorporated, Esmond, R. I., a corporation of Delaware. Class 42.

222,827. **GO-RO.** GAS WATER HEATERS. Registered Jan. 11, 1927. Go-Ro Water Heater Company, Inc. Renewed Jan. 11, 1947, to Southern Heater Company, Inc., New Orleans, La., a corporation of Louisiana. Class 34.

222,932. **BLUE KITCHEN.** SANDWICHES. Registered Jan. 11, 1927. The Blue Kitchens, Inc. Renewed Jan. 11, 1947, to Maxeng Restaurants Corporation, New York, N. Y., a corporation of New York. Class 46.

222,988. **KANTHURT.** RUBBER, LEATHER, AND CANVAS BELTING. Registered Jan. 11, 1927. The Fisher Leather Belting Co. Inc., Philadelphia, Pa., a corporation of New Jersey. Renewed Jan. 11, 1947. Class 35.

223,326. **BEAU MONDE FROCKS.** FROCKS. Registered Feb. 1, 1927. Annetta Waist & Dress Co., Inc. Renewed Feb. 1, 1947, to Annetta Dresses Inc., New York, N. Y., a corporation of New York. Class 39.

223,959. **SYLENT=TEX.** WOVEN COTTON, HEAT-RESISTING WASHABLE TABLE PADDING. Registered Feb. 15, 1927. John A. Bidwell Company, Inc., Beverly, N. J. Renewed Feb. 15, 1947, to Massasoit Company, New York, N. Y., a corporation of Delaware. Class 42.

224,100. **DUTCH-TREAT.** SANDWICHES. Registered Feb. 15, 1927. The Blue Kitchens, Inc. Renewed Feb. 15, 1947, to Maxeng Restaurants Corporation, New York, N. Y., a corporation of New York. Class 46.

224,173. **MALTOMILK.** BISCUITS. Registered Feb. 22, 1927. The Strietmann Biscuit Company, Cincinnati, Ohio. Renewed Feb. 22, 1947, to United Biscuit Company of America, Chicago, Ill., a corporation of Delaware. Class 46.

REISSUES

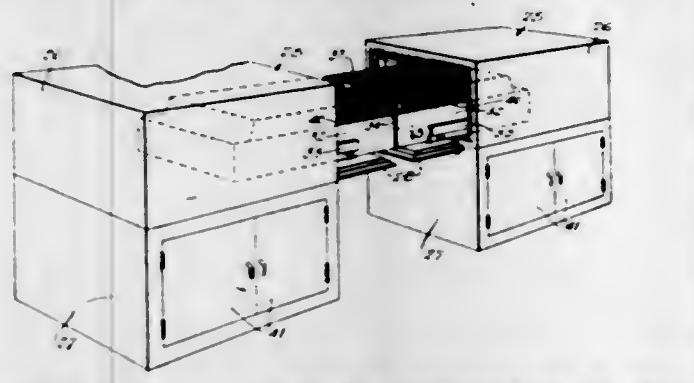
MARCH 11, 1947

22,850
CARD FILING EQUIPMENT

George C. Bruen, deceased, late of Chicago, Ill., by Sophie E. Bruen, executrix, Chicago, Ill., assignor, by mesne assignments, of thirty-five per cent to Sophie E. Bruen, Chicago, Ill., five per cent to Edna V. Dickinson, Highland Park, Ill., 9 per cent to Sarah M. Bullock, Wilmette, Ill., ten and five-tenths per cent to G. A. Stuart, Washington, D. C., two per cent to Jay Fisher, Chicago, Ill., one per cent to Marie Thoenen, Elmwood Park, Ill., one per cent to George H. Fredericksen, Chicago, Ill., and one per cent to E. M. Thorsen, St. Joseph, Mo.

Original No. 2,372,249, dated March 27, 1945, Serial No. 481,710, April 3, 1943. Application for reissue February 23, 1946, Serial No. 649,699

8 Claims. (Cl. 45—2)



7. Record filing equipment comprising a pair of cabinets each having a drawer compartment opening through one side thereof, a drawer for each compartment of a length approximating the depth of the respective compartment, a cabinet-carried drawer suspension for each drawer supporting same for horizontal reciprocation into and out of the compartment, the cabinets being set with their openings facing each other and spaced apart a distance of substantially a drawer length with the drawers in substantial alignment, a releasable coupling for detachably connecting the drawers together in end to end relation for shifting longitudinally as a unit, and closure means operative to close each compartment opening when the drawers are disconnected from each other and moved fully within their respective compartments.

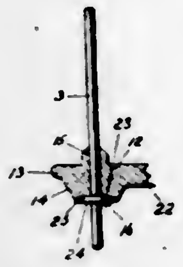
22,851
STEM FOR ELECTRICAL SPACE DISCHARGE DEVICES

Percy L. Spencer, West Newton, Mass., assignor, by mesne assignments, to Raytheon Manufacturing Company, a corporation of Delaware

Original No. 2,291,660, dated August 4, 1942, Serial No. 286,367, July 25, 1939. Application for reissue October 18, 1944, Serial No. 559,304

3 Claims. (Cl. 49—92.5)

1. A stem for an electrical space discharge device comprising a glass wall member having a raised boss formed on its outer surface, a metal lead-in conductor sealed through said glass member and said boss, said lead-in conductor having a rod-like external portion, and a flat annular member formed on said external portion, said annular member having top and bottom faces extending substantially at right angles to the outer surface of said external portion, said top and bottom faces being joined by an edge face of said annular member substantially at right angles to said top and bottom faces, the glass of the outer end of said boss being sealed to said top face throughout substantially its entire extent and extending around the edge face of said annular member and being sealed to said edge face, the bottom face of said annular member lying beyond said glass.

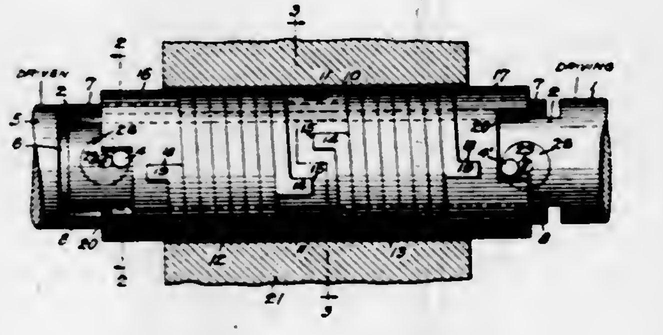


22,852
ANTIBACKLASH DEVICE

Willard E. Swift, Jr., Worcester, Mass.

Original No. 2,372,693, dated April 3, 1945, Serial No. 527,353, March 20, 1944. Application for reissue March 30, 1946, Serial No. 658,367

11 Claims. (Cl. 192—8)



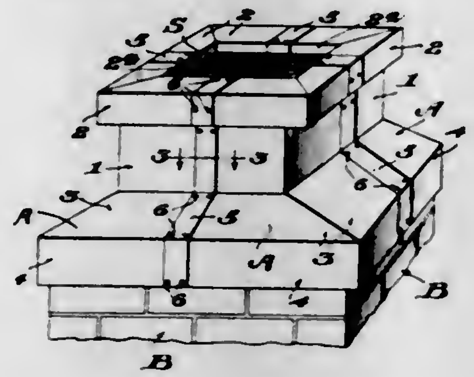
1. In a spring clutch device, a driving shaft and a driven shaft, a spring coiled on said driven shaft and having one end anchored to said driven shaft, and a driving connection between said driving shaft and the other end of said spring, said connection including a plug rotatably adjustable in the surface of said driving shaft and a lug positioned eccentrically on said plug and projecting outwardly therefrom.

PATENTS

GRANTED MARCH 11, 1947

2,417,039
CHIMNEY COPING

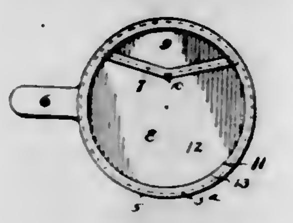
Maurice Albaugh, Quincy, Ohio
Application January 24, 1946, Serial No. 643,153
12 Claims. (Cl. 72—88)



1. A chimney coping for chimneys having an outer facing and having an inner lining extending above said outer facing, comprising a plurality of similar preformed units adapted to be placed around the chimney, each unit consisting of a vertical plate conforming in plan with and overlying the upper part of the extended portion of the lining, and having at its upper edge a loop portion the outer end of which overlies the top and inner face of the lining; a second plate conforming in plan with the lining and having its upper end underlying and telescoping the first plate, said second plate sloping downwardly and outwardly beyond the upper outer edge of the outer facing, and having a loop portion at its lower end overlying the outer face of the outer facing with its free end engaging a peripheral groove adjacent the top of the outer facing; the abutting edges of the units being disposed in vertical planes; and weatherproofing joints between the said abutting edges.

2,417,040
RAZOR BLADE CONDITIONER

Harry L. Arnest, Arlington, Va.
Application August 23, 1945, Serial No. 612,218
1 Claim. (Cl. 51—211)



A razor blade conditioner comprising a cup-like receptacle of hard, smooth material, substantially circular in cross-section, a partition extending lengthwise thereof dividing said receptacle into a relatively large blade conditioning chamber, and a small lubricant-receiving chamber, one end of said receptacle being closed by a transverse bottom and the other being open to permit the end-wise insertion of a blade thereinto, said partition having a lubricant-feeding opening formed therethrough at a point much nearer the open end of the receptacle than the closed end, as and for the purpose set forth.

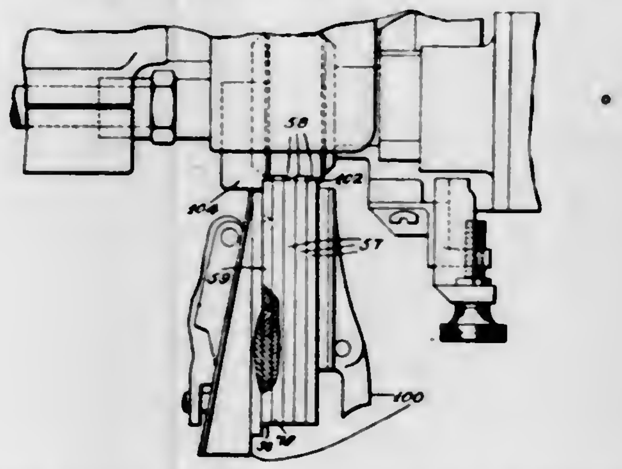
2,417,041
REMOVAL OF SULFUR COMPOUNDS FROM HYDROCARBON OILS

George W. Ayers, Chicago, Daniel M. Barton, Elmwood Park, and Erskine E. Harton, Evanston, Ill., assignors to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
No Drawing. Application December 17, 1943, Serial No. 514,670
9 Claims. (Cl. 196—30)

1. The method of reducing the sulfur content of hydrocarbon oil containing organic sulfur compounds of the group consisting of mercaptans and disulfides comprising contacting the liquid oil at temperatures not substantially in excess of 100° C. with the solid reagent resulting from the action at temperatures not substantially in excess of normal atmospheric temperature of an alkali solution on an alloy containing an element selected from the group consisting of aluminum, silicon, beryllium and zinc and a metal selected from the group consisting of nickel and copper.

2,417,042
SHOEMAKING

Lewis J. Bazzoni, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application March 20, 1945, Serial No. 583,734
3 Claims. (Cl. 12—147)

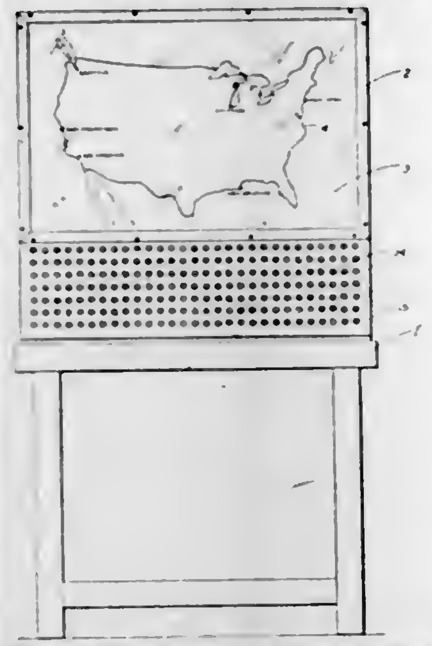


1. That improvement in methods of shoemaking which comprises forming a heel base lift having in its breast an outsole receiving recess, securing to the base lift a plurality of lifts while utilizing said recess to position said base lift in a heel building machine, molding and breasting the heel while utilizing said recess of the base lift of the built-up heel to position said heel in a compressing and breasting machine, and trimming and finishing the convex peripheral portion of the heel to the general outline of the edge face of the base lift of the heel.

2,417,043
ILLUMINATED WEATHER MAP

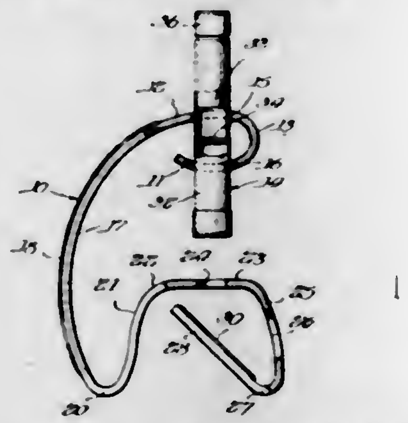
Stephen E. Blewett and Thomas A. Gaffney, Pasadena, Calif., assignors of one-half to Stephen N. Blewett and Robert N. Blewett
Application August 25, 1944, Serial No. 551,176
1 Claim. (Cl. 177—311)

A weather map comprising a translucent panel having a map outlined thereon, a plurality of lamp units behind the panel, each unit comprising a lamp of one color and a lamp of a different color, and individual control means for the lamps of each unit to gradually decrease the intensity of the light from the lamp of one color and then extinguish the same, and then place the lamp of the other color in operation with an increasing intensity.



2,417,044
MICROSCOPE

Oscar C. Blomgren, Evanston, Ill.
Application May 3, 1945, Serial No. 591,649
5 Claims. (Cl. 88—39)

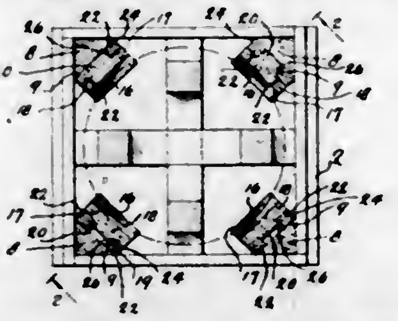


1. In a microscope, the combination with a magnifying tube containing a magnifying lens, of a one-piece frame providing a top loop for adjustably supporting the said magnifying tube with the optical axis thereof being substantially vertically disposed, said frame also providing a horizontal table section located below the magnifying tube and in alignment therewith, said table section and top loop being connected by a curved portion of the frame and which is reinforced by longitudinally extending ribs, and a mirror supported by the lower terminal end of the frame and disposed below said horizontal table section.

2,417,045
CUSHIONED RECEPTACLE AND CARBOY THEREIN

Oscar Z. Brewer, Spokane, Wash., assignor of one-half to H. H. McNeill Lumber Co., Inc., New York, N. Y., a corporation of New York
Application December 12, 1944, Serial No. 567,827
4 Claims. (Cl. 217—54)

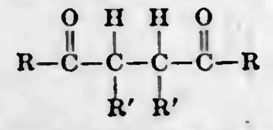
1. In combination a box, a receptacle therein, cushions between the box and the receptacle, cushion carriers for said cushions, a central rib along the outer face of each cushion carrier, box corner posts corresponding in number to said cushion carriers, and individually removable members insertible between the cushion carriers and the corner posts at each side of said ribs, for moving the carriers toward the receptacle to place the said cushions under compression against the sides of said receptacle, said individually removable members constantly contacting the sides of said ribs and the immediately adjacent box sides, thereby positively preventing lateral shifting and tilting of the removable members and said cushion carriers.



2,417,046
SYNTHESIS OF ALKYLATED PYRROLE COMPOUNDS

Lester A. Brooks, Stamford, Vt., and Moushy Markarian, North Adams, Mass., assignors to Sprague Specialties Company, North Adams, Mass., a corporation of Massachusetts
No Drawing. Application March 7, 1944, Serial No. 525,444
10 Claims. (Cl. 260—313)

1. A method for producing alkylated pyrrole compounds which comprises adding undissolved and uncombined ammonia to a compound conforming to the following general formula:

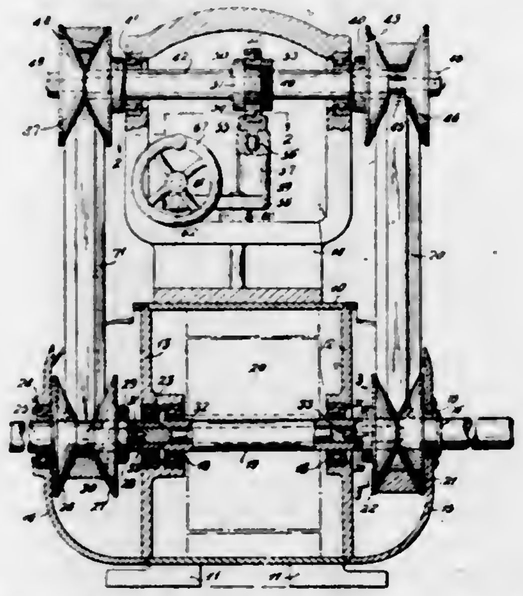


$$R-\overset{\overset{\displaystyle O}{\|}}{C}-\underset{\underset{\displaystyle R'}{|}}{\overset{\overset{\displaystyle H}{|}}{C}}-\underset{\underset{\displaystyle R'}{|}}{\overset{\overset{\displaystyle H}{|}}{C}}-\overset{\overset{\displaystyle O}{\|}}{C}-R$$

wherein R represents an alkyl group; and R' represents a member selected from the class consisting of hydrogren, halogen, aryl, and alkyl groups, and reacting said materials at elevated temperatures.

2,417,047
VARIABLE-SPEED BELT DRIVE

Arthur F. Alexander, Cleveland, Ohio
Application October 25, 1945, Serial No. 624,381
9 Claims. (Cl. 74—230.17)

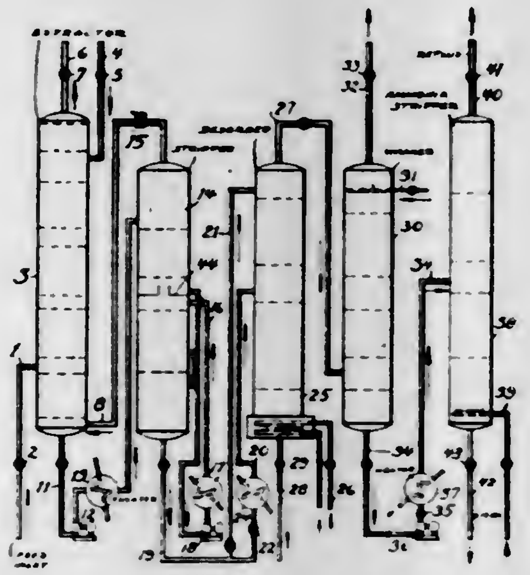


1. In a power unit, a housing, aligned motor and output shafts, a rotor on said motor shaft, a

split V pulley on said motor shaft at one side of said rotor, a split V pulley on said output shaft at the other side of said rotor, a countershaft mounted on said housing carrying split V pulleys in radial alignment with said motor and output shaft pulleys respectively, and means for expanding one of said countershaft pulleys while contracting the other.

2,417,048
SEPARATION AND SEGREGATION OF A MATERIAL FROM A LIQUID MIXTURE BY MEANS OF A SOLVENT

Adolph L. Antonio, Baton Rouge, La., assignor, by mesne assignments, to Jasco, Incorporated, a corporation of Louisiana
Application February 27, 1942, Serial No. 432,618
5 Claims. (Cl. 260—681.5)

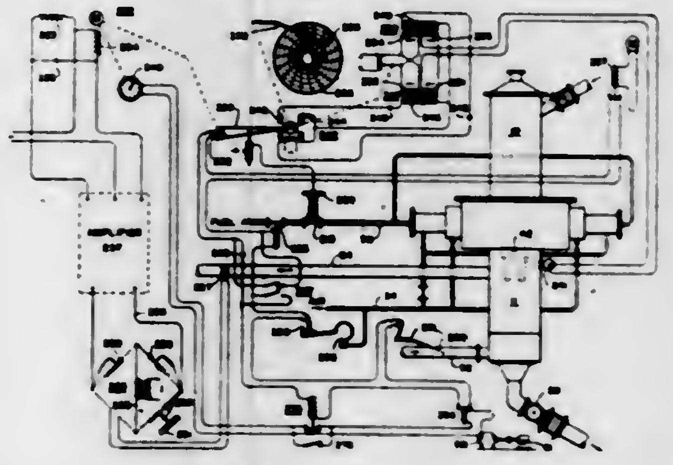


1. A process for the separation and segregation of a diolefin from a hydrocarbon mixture containing a diolefin and a mono-olefin which comprises contacting a mixture of hydrocarbons containing a diolefin and a mono-olefin with a cuprous salt solution in which the diolefin is more soluble than the mono-olefin at an absorption temperature whereby diolefins and mono-olefins are dissolved in the solvent, separating the solvent with absorbed diolefin and mono-olefin in solution from the unabsorbed hydrocarbons, subjecting the solution comprising the solvent with the absorbed diolefin and mono-olefin to a series of two progressively increased temperature heating steps under pressure, expelling liquid hydrocarbon during each step, returning the first expelled hydrocarbon to the contacting operation to strip the solution first obtained and separated after contacting the mixture of hydrocarbons containing the diolefin and mono-olefin, conducting the second expelled hydrocarbon into contact with the solution just before heating in the second step to strip it and finally heating the residual solution to obtain diolefin.

2,417,049
CONTROL SYSTEM

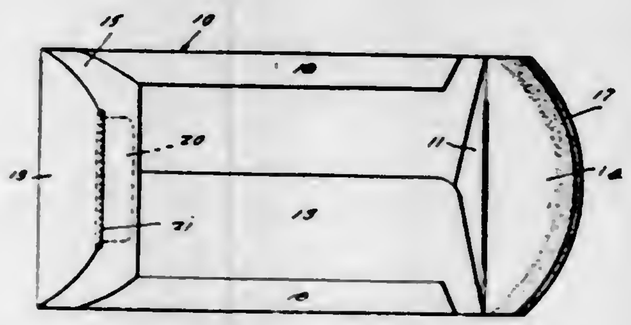
Ervin G. Bailey, Easton, Pa., and Paul S. Dickey, East Cleveland, Ohio, assignors, by mesne assignments, to The Babcock & Wilcox Company, New York, N. Y., a corporation of New Jersey
Application October 18, 1943, Serial No. 506,630
29 Claims. (Cl. 263—19)

19. The combination with a fluid heater having an upper chamber enclosing a fluent mass of solid heat transfer material, a lower chamber enclosing a fluent mass of solid heat transfer material, a passage forming a throat between said upper and lower chambers and enclosing a fluent mass of solid heat transfer material connecting said material masses, means external of said chambers and throat to return the material from an exit in the lower chamber to an inlet to the upper chamber, a feeder at the exit of the lower chamber feeding material at a regulable rate from the lower chamber to the returning means, a heating supply for the material in the upper chamber, a supply of fluid to be heated passed through the lower chamber in direct contact with the heated material therein, means sensitive to the temperature of the fluid leaving the lower chamber adapted to regulate the rate of heating supply, and means responsive to the rate of supply of the fluid adapted to discontinue the heating supply when the rate of supply of the fluid to be heated decreases to a predetermined minimum.



2,417,050
ENVELOPE

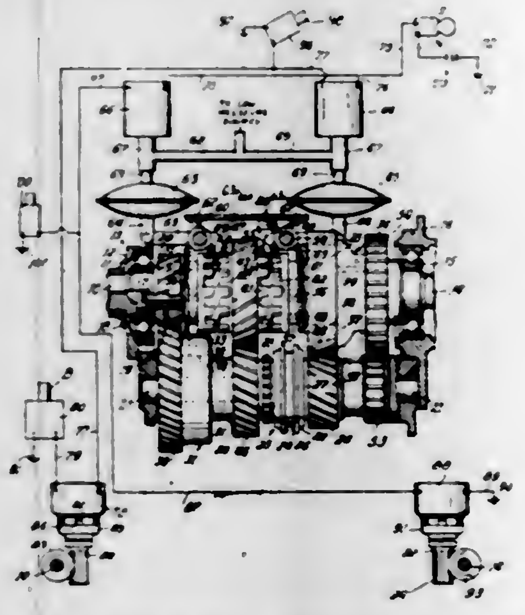
Waldemar Baluk, Norquay, Saskatchewan, Canada
Application February 9, 1945, Serial No. 576,990
1 Claim. (Cl. 229—73)



A duplex envelope comprising a return envelope having a body consisting of a front, two sealed side flaps, a sealed end flap and an open end flap, said sealed end flap being provided with an elongated slot therein including, a second front arranged over the first front and attached to the side edges thereof, two side flaps on said second front and cemented on the side flaps of the return envelope, an end flap on said second front arranged to overlie the sealed end flap of the return envelope, a tab integrally formed with said end flap, entering said elongated slot and permanently attached to the inside surface of the sealed end flap of the return envelope, and an open flap overlying the open end flap of the return envelope.

2,417,051
CHANGE-SPEED TRANSMISSION AND CONTROL THEREFOR

Oscar H. Banker, Evanston, Ill., assignor to New Products Corporation, Chicago, Ill., a corporation of Delaware
Application February 9, 1942, Serial No. 429,978
6 Claims. (Cl. 74—336.5)

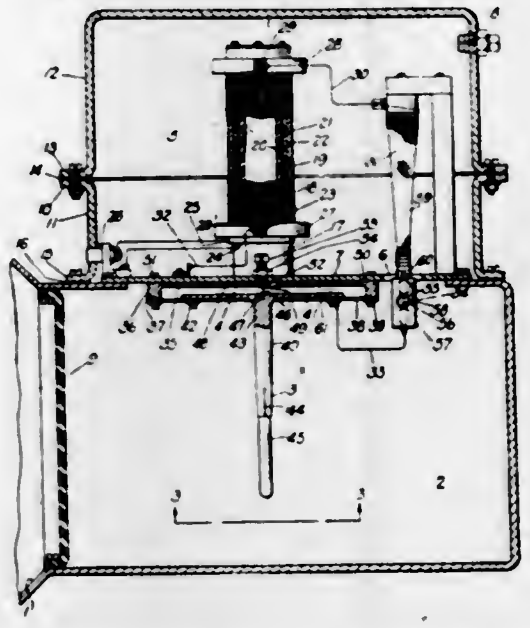


1. In a change-speed transmission having a plurality of power trains of different speed transmitting ratio and a pair of clutches operable in different combinations with respect to their being opened or closed to determine which of said power trains is connected in driving relation between drive and driven members said clutches being of the synchronise jaw type including drive and driven jaw components meshable to close their clutch upon deceleration of the drive component thereof to synchronism with the driven component thereof, the combination of clutch actuating means conditionable to become operable for closing one of said clutches upon its components attaining synchronism, a second clutch actuating means conditionable to become operable for closing the other of said clutches upon its components attaining synchronism, speed-responsive means operable according to the speed of the drive member for so conditioning one of the clutch actuating means, and speed-responsive means normally continuously operable according to the speed of the driven member for initially so conditioning the other clutch actuating means at driven shaft speeds only in excess of those attained when connected with the drive shaft through lower of such speed connections while the drive shaft speed responsive means becomes operable to condition its associated clutch actuating means.

2,417,052
HIGH-FREQUENCY SPARK CIRCUIT

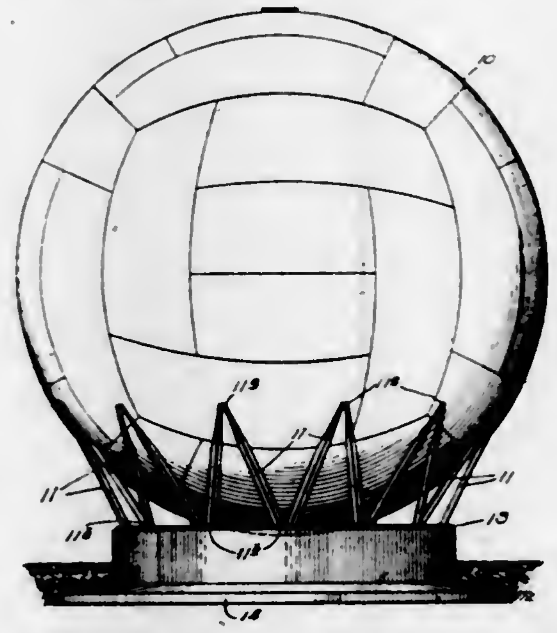
Hugo Benioff, La Canada, Calif., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass., a corporation of Delaware
Application February 25, 1942, Serial No. 432,293
15 Claims. (Cl. 250—38)

1. A short wave oscillatory spark circuit comprising means providing two flat surfaces, means centrally located on said surfaces and projecting therefrom forming a spark gap, means insulatingly supporting said first means with said two flat surfaces in closely spaced opposed relationship to each other, said surfaces, the space between them and said spark gap means being dimensioned with respect to the wave length of the oscillations to be generated so as to form upon current flow across the gap an oscillatory circuit resonant at the frequency of said oscillations, and an energy-radiating circuit tuned to the same frequency as said oscillatory circuit conductively coupled to the latter.



2,417,053
SUPPORT FOR SPHERICAL CONTAINER

Harry C. Boardman, Chicago, Ill., assignor to Chicago Bridge & Iron Company, a corporation of Illinois
Application June 30, 1944, Serial No. 542,993
2 Claims. (Cl. 220—1)



1. In combination with a spherical container, a plurality of entirely unconnected and independent supports for the same, the upper ends of said supports being attached to the container at points lying substantially in a horizontal plane in which the container is subjected to considerable thermal and pressure expansion and contraction, and a circular compression ring beneath the container having a diameter smaller than that portion of the container intersected by said horizontal plane, with the lower ends of said supports being attached to said ring, said supports having sufficient longitudinal strength to serve as columns in supporting the container and sufficient length and transverse flexibility to permit said thermal and pressure expansion and contraction.

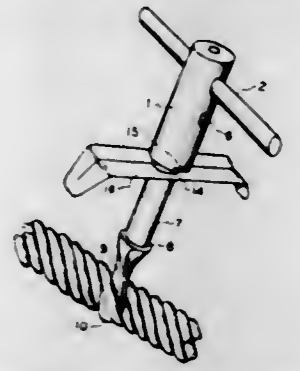
2,417,054
CATALYSIS

George R. Bond, Jr., Paulsboro, N. J., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 9, 1944, Serial No. 534,796
7 Claims. (Cl. 196—52)

1. In the production of lower boiling hydrocarbons from heavy hydrocarbon oil having a 50% point above 650° F., the method which comprises cracking said hydrocarbon oil by contacting it under conversion conditions with a calcined composite comprising hydrous silica and alumina composited in the hydrous state said composite containing predominately silica and more than 1% and less than 20% beryllia.

2,417,055
ROPE SPLICING TOOL

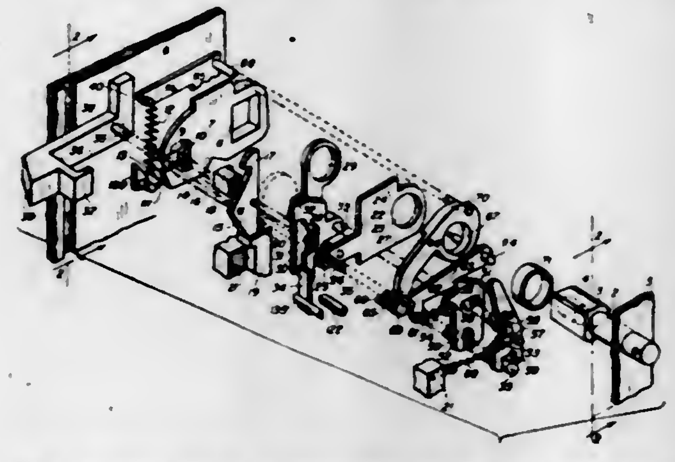
Elmer H. Borgelt, Dayton, Ohio
Application March 19, 1946, Serial No. 655,543
5 Claims. (Cl. 57—23)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A rope splicing tool comprising a handle provided with a concentrically disposed socket extending longitudinally into one end thereof, a bit shank of substantially the same cross sectional area as that of said socket removably mounted in said socket in non-revoluble relation to said socket, said shank being provided with a radially extending shoulder disposed at a distance from the adjacent handle end, in assembled relation, a tubular sleeve removably mounted on said bit shank between said shoulder and said adjacent handle end, and a handle carried by said sleeve for withdrawal of said sleeve from a rope.

2,417,056
COIN OPERATED DEVICE

Norman E. Bowen, Seattle, Wash.
Application March 2, 1942, Serial No. 432,956
8 Claims. (Cl. 194—92)

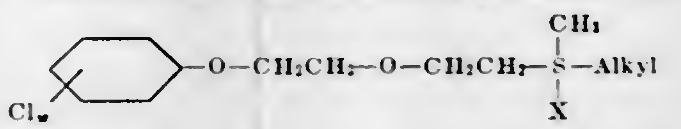


1. A coin chute, coin retaining means for retaining a coin in said chute, a bolt, a link adapted to link together said bolt and said retaining means, and outside-handle operated means operative upon the presence of a coin in said chute for withdrawing said bolt and for rendering said link effective to transmit motion from said bolt to said coin retaining means whereby subsequent withdrawal of said bolt by other means than said outside-handle operated means will operate said coin retaining means to release a coin that may be in said chute.

2,417,057
SULFONIUM COMPOUNDS

Edgar C. Britton and John N. Hansen, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application December 26, 1944, Serial No. 569,933
3 Claims. (Cl. 260—457)

1. A sulfonium compound having the formula



$$\text{Cl}_w\text{-C}_6\text{H}_{5-w}\text{—O—CH}_2\text{CH}_2\text{—O—CH}_2\text{CH}_2\text{—}\overset{\text{CH}_3}{\underset{\text{X}}{\text{S}}}\text{—Alkyl}$$

wherein *w* represents an integer not greater than 5, and X represents a mono-basic acid radical.

2,417,058
ROOFING GRANULES AND METHOD OF PRODUCING THE SAME

Maurice E. Buzzell, Mahtomedi, and George W. Swenson, St. Paul, Minn., assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
No Drawing. Application February 14, 1942, Serial No. 430,928
18 Claims. (Cl. 117—100)

1. Artificially colored roofing granules comprising a mineral base granule coated with a phthalocyanine pigment bonded in a weather-resisting and bloom-resisting water-insoluble inorganic matrix, the thus pigmented coating being firmly bonded to surfaces of said base granule.

2,417,059
PRODUCTION OF DICHLORODIFLUOROMETHANE

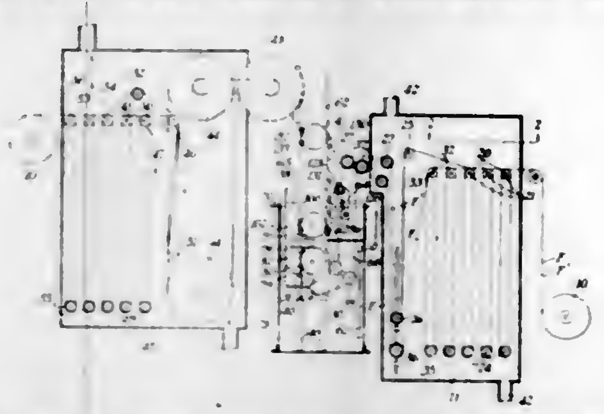
John D. Calfee, Manhasset, N. Y., and Lee B. Smith, Woodbridge, N. J., assignors to General Chemical Company, New York, N. Y., a corporation of New York
No Drawing. Application March 19, 1946, Serial No. 655,596
4 Claims. (Cl. 260—653)

1. The process which comprises heating ethylidene fluoride at temperature not less than 550° C. and not more than 900° C. in the presence of at least sufficient chlorine to form difluorodichloromethane.

2,417,060
APPARATUS AND PROCESS FOR MOTION-PICTURE COLOR PHOTOGRAPHY

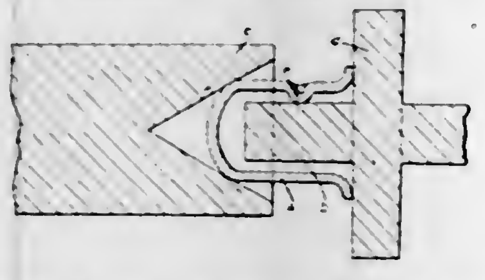
John G. Capstaff, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application May 27, 1943, Serial No. 488,672
17 Claims. (Cl. 41—1)

3. In an apparatus for transferring an emulsion layer from one perforated film strip to a second similarly perforated strip of film, a conditioning cabinet, means for controlling the atmospheric conditions in said cabinet, means for driving and guiding said strips through the cabinet at the same speed, over paths of the same length and under identical atmospheric conditions, means for accurately positioning said films in registry, means for guiding said films from the conditioning cabinet to the positioning means, and means for drawing said films in contact over an extended path and for separating them.



2,417,061
MOUNTING OF ELECTRODES IN ELECTRIC DISCHARGE TUBES

Arthur Leslie Chilcot, Timperely, Sydney Jackson, Chadderton, and Frank Warburton Taylor, Oldham, England
Application December 24, 1943, Serial No. 515,502
In Great Britain April 18, 1942
19 Claims. (Cl. 250—27.5)

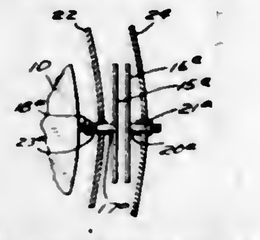


1. A method of constructing an electric discharge tube having a glass envelope comprising two portions joined together, each of which carries at least one electrode complementary with an electrode of the other, wherein the said two portions of the envelope are each formed with locating means including inwardly projecting protuberances and relative to which locating means its said electrode can be mounted in only one exactly predetermined location; mounting the said complementary electrodes in each portion of the envelope in such predetermined locations, said locating means also providing complementary location so that the two said portions with their electrodes, are interlocating, whereby they can only be assembled with such complementary electrodes in one predetermined relative transverse spatial relationship.

2,417,062
SYSTEM FOR CHECKING CONTOURS

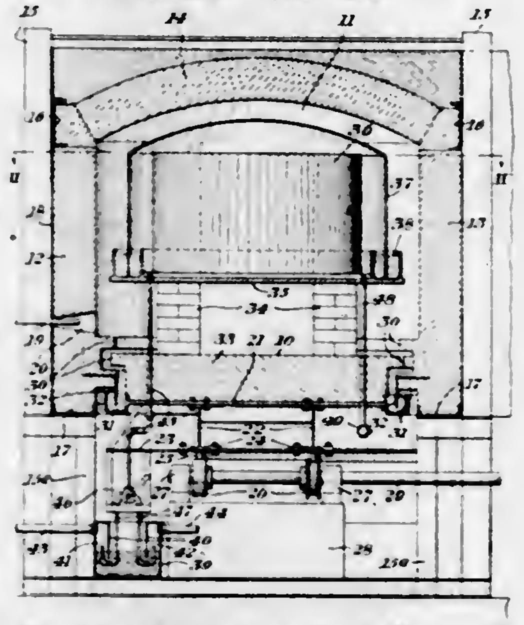
Charles F. Coake, Indianapolis, Ind., assignor to Senn Corporation, New Augusta, Ind., a corporation of Indiana
Application March 5, 1945, Serial No. 581,140
8 Claims. (Cl. 33—174)

1. A system for checking contours of articles, comprising locating means to receive and hold said article in a predetermined position, a plurality of impedances disposed about the periphery of said article and independently adjustable in response to variations in the contour thereof, an impedance measuring circuit comprising a pair of space discharge devices having individual tuned input circuits, a cross-connected feedback network connecting said devices for oscillation in unison as a push-pull oscillator and normally adjusted for balanced operation, means connecting said impedances successively in at least one of said tuned circuits for causing unbalanced operation when the impedance thereof varies from a predetermined value, and means responsive to the condition of balance or unbalance in said operation.



2,417,063
ROTATING ANNULAR HEARTH ANNEALING FURNACE

David P. Cooper, Youngstown, Ohio, assignor, by mesne assignments, to The Cold Metal Products Company, Youngstown, Ohio, a corporation of Ohio
Application August 5, 1943, Serial No. 497,523
7 Claims. (Cl. 263—7)



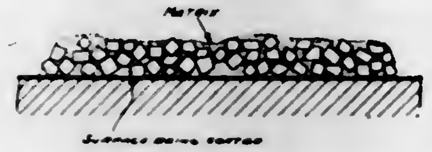
2. A furnace for annealing flat-rolled metal stock or the like comprising a chamber which is circular in plan, a circular hearth mounted for traveling movement through the chamber, means for supporting charges of material to be annealed in circumferentially spaced relation around the hearth, atmosphere-supply pipes extending upwardly through said hearth and said supporting means, an annular gas chamber below said hearth open at one side, a liquid seal for the open side of the gas chamber and connections extending from said pipes through said seal into the gas chamber.

2,417,064
RUST-INHIBITING COATING COMPOSITION

George Chandler Cox, Charleston, W. Va.
Application March 15, 1944, Serial No. 526,579
4 Claims. (Cl. 106—14)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

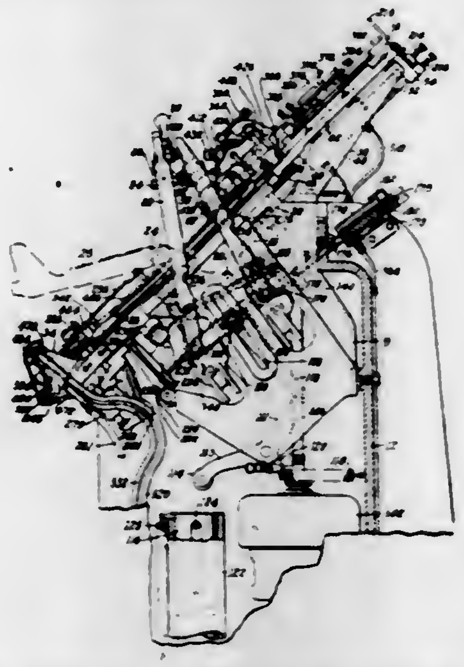
1. A rust inhibiting coating composition comprising essentially a microcrystalline dispersion

of low-soluble calcium compounds the crystals of which are comparatively uniformly dispersed in an amorphous matrix consisting essentially of magnesium compounds, said coating composition being designed for direct application as a thin, paint-like film to a mild steel surface, said coating composition being soft and gelatinous when first applied to the steel surface, but gradually becoming hard, dense and firmly adherent, the coating composition as applied consisting predominantly of the freshly simultaneously precipitated hydroxides of magnesium and calcium, the ratio of magnesium hydroxide to calcium hydroxide being within a range whose limits are 0.3 and 3.0 approximately, the balance of the coating composition, when applied, consisting of inert oxides and inert inorganic insolubles, the coating after application and when externally exposed to sea water imparting an effective pH value greater than 7 and less than about 10 to any equilibrium solubility products at the interface between the coating and the metal thereby producing a noncorrosive atmosphere adjacent to said interface.



2,417,065
SOLE ATTACHING WITH THERMOPLASTIC CEMENT

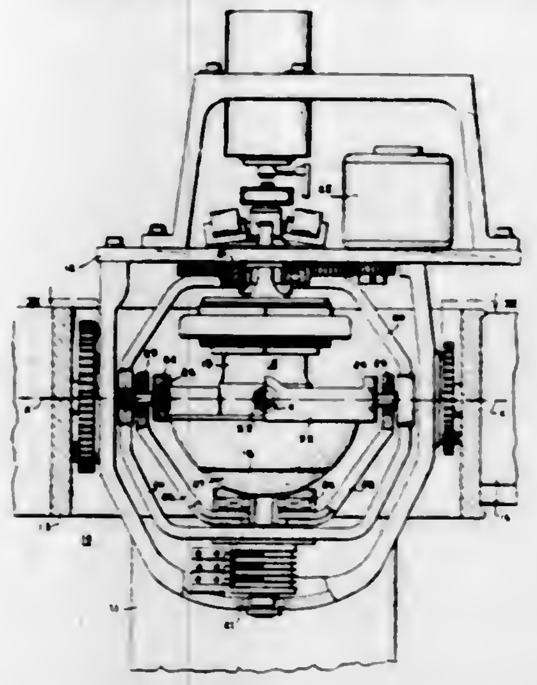
Paul H. Dixon, Wenham, and Joseph R. Ioannilli, Boston, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application September 30, 1944, Serial No. 556,550
57 Claims. (Cl. 12—33)



1. That method of attaching articles by means of a thermoplastic cement applied to the margin of at least one of the attaching surfaces, which consists in interposing a member between the marginal attaching surfaces in surface contact with the cement, applying pressure to the articles and the interposed member to bring the mid-portions of the articles into contact with each other, creating heat in the member after it has been brought into position between the articles, withdrawing the heated member laterally of the sole, and pressing the articles firmly together.

2,417,066
STABILIZING APPARATUS

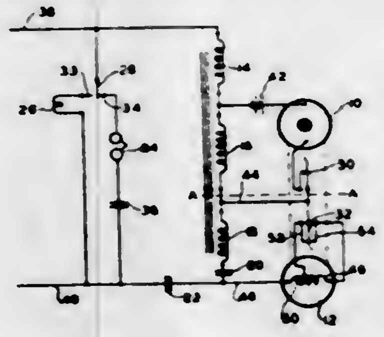
George R. Douglas, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation. East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 4, 1945, Serial No. 608,944
2 Claims. (Cl. 74—5)



1. In a stable element wherein a follow-up member is maintained substantially horizontal by servo-motor means controlled by a gyro-vertical, a cage mounted on the follow-up member and rotatable about an axis which is vertical when the follow-up member is horizontal, a gimbal system for said gyro-vertical suspended from said cage, means for rotating said cage slowly about its mounting axis, and a pendulous magnetic erector for said gyro-vertical suspended from said cage for pivotal movement about the axis of suspension of the gimbal system.

2,417,067
TELEPHONE SUBSTATION CIRCUIT

Raoul A. Faralla, Long Branch, N. J.
Application March 10, 1945, Serial No. 582,099
13 Claims. (Cl. 179—81)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a substation circuit, a line, an auto-transformer having first, second and third serially connected windings, a receiver having a switch, for manually controlling the sensitivity of said receiver, said receiver being connected in series with said first and second windings and the conductors of said line, a condenser connected between said third coil and said receiver, said condenser and said third coil forming an anti-side-tone circuit serially connected transmitter and a local battery connected across said second winding and means, including said switch, for varying the number of effective ampere turns in said receiver.

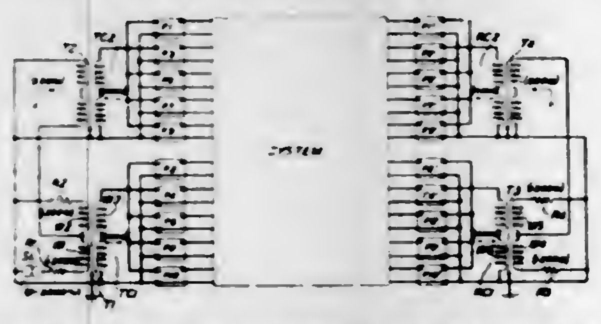
2,417,068
CATALYTIC SYNTHESIS OF VINYL CYANIDE

Mark Wendell Farlow and Wilbur Arthur Lazier, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 27, 1944, Serial No. 556,078
1 Claim. (Cl. 260—464)

Process for preparing vinyl cyanide which comprises bringing a mixture of about six mols of acetylene and one mol of hydrogen cyanide in contact, at 80–90° C., with an aqueous solution, of pH of 2.0, of a cuprous chloride/ammonium chloride complex at the rate of about 0.021 part by weight of hydrogen cyanide per hour per part by weight of cuprous chloride, said cuprous chloride solution containing at least 0.5 gram cuprous chloride per cubic centimeter of solution.

2,417,069
WAVE TRANSMISSION SYSTEM

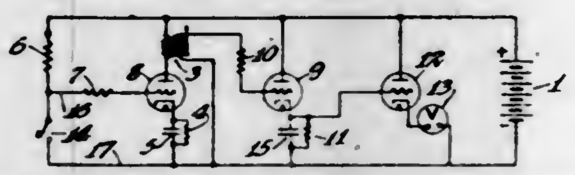
Francis S. Farkas, Forest Hills, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 20, 1943, Serial No. 514,994
6 Claims. (Cl. 178—44)



1. In a system for transmitting waves of a wide band of frequencies in a plurality of subbands closely spaced in the frequency spectrum, comprising a common transmission circuit for all the subbands, a plurality of filters each adapted to transmit a different one of said frequency subbands, connected in parallel in two groups, the filters in one group transmitting alternate ones of said subbands in the frequency spectrum and the filters in the other group the intermediate frequency subbands, means to couple the two filter groups in conjugate relation with respect to each other and in energy transmission relation with respect to said common circuit, and means to minimize attenuation distortion in the over-all transmission characteristic of said system due to the peaking up of the losses in the transition frequency ranges between adjacent frequency bands transmitted by the paralleled filters comprising means to produce a phase reversal of the transmitted waves in said transition frequency ranges.

2,417,070
ELECTRONIC TIME INDICATING DEVICE

Oliver T. Francis, Renville, Minn.
Application January 4, 1945, Serial No. 571,314
13 Claims. (Cl. 161—15)



1. In a circuit for indicating the duration of negative voltages, a vacuum tube having an input and an output circuit, a resistance in parallel with a condenser connected in said input and said output circuit, the primary of a transformer and a source of current connected in said output circuit, means for normally applying a positive potential to said input circuit to charge said condenser, means for applying said negative voltages to said input circuit, means for indicating the voltage across the secondary of said transformer at the end of said duration, said means for indicating the voltage across said secondary comprising a second vacuum tube having a plate circuit and a grid circuit, a resistance and a condenser connected in parallel in said plate circuit and said grid circuit, means for connecting said source of current in said plate circuit, means for applying positive surges across the secondary of said transformer to said grid circuit, and means for indicating voltage variations across said last condenser.

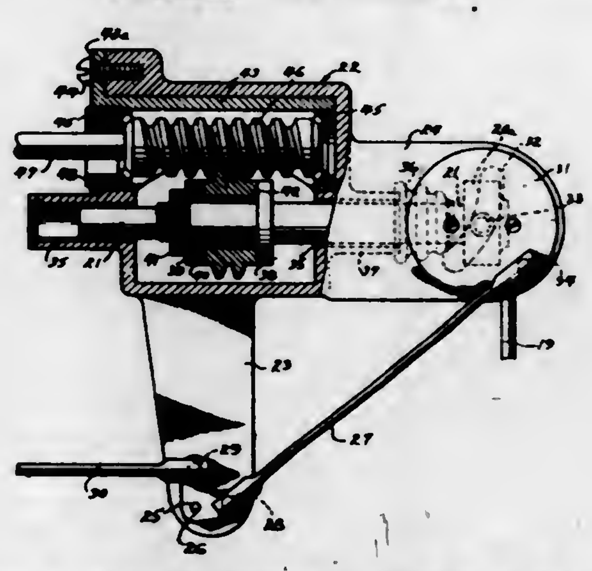
2,417,071
PREPARATION OF WATER-INSOLUBLE ORGANIC SALTS

Arthur Ira Gebhart, Union, and John Ross, Ramsey, N. J., assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware
No Drawing. Application August 14, 1943, Serial No. 498,736
11 Claims. (Cl. 260—414)

1. A process for preparing metal salts of organic carboxylic acids which comprises contacting an aqueous solution of a salt of an organic carboxylic acid with an aqueous solution of a water-soluble salt of a metal giving a substantially water-insoluble salt of said organic carboxylic acid, and maintaining the ionic constituents of said water-insoluble salt in the contacting solutions in substantially stoichiometric proportions.

2,417,072
VARIABLE RATIO STEERING GEAR

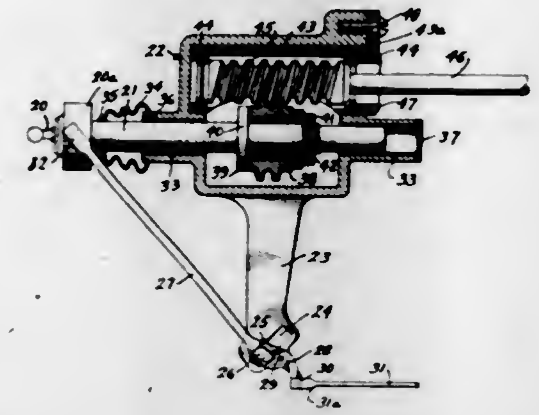
Matthew P. Graham, Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application April 18, 1945, Serial No. 588,945
6 Claims. (Cl. 74—496)



1. In a steering assembly including a driving worm, a follower driven thereby, a slidable shaft rotatably supporting said follower, and a pitman arm on said slidable shaft, the improvement of a rotatable cam plate having an arcuate cam slot, means on said pitman arm riding in said cam slot, and manually operative means for rotating said cam plate to vary the position of said cam slot for regulating the swinging movement of the pitman arm relative to the sliding movement of said slidable pitman arm shaft.

2,417,073
VARIABLE RATIO STEERING ASSEMBLY

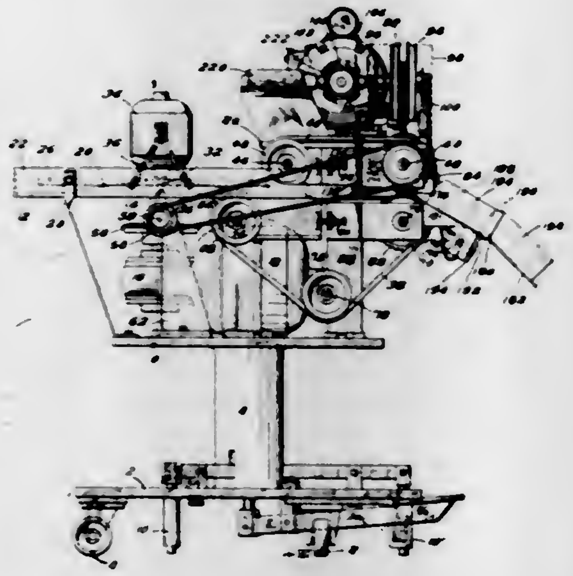
James H. Booth, Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application April 18, 1945, Serial No. 589,039
14 Claims. (Cl. 74—496)



1. In a driving reduction linkage, a driving gear, a follower driven thereby, a slidable shaft supporting said follower, a link operatively connected to said shaft for rotating the shaft in response to sliding movements thereof, an anchor for said link, and means for shifting said link anchor to vary the degree of rotation of the shaft relative to the degree of sliding movement of the shaft.

2,417,074
COUNTING DEVICE

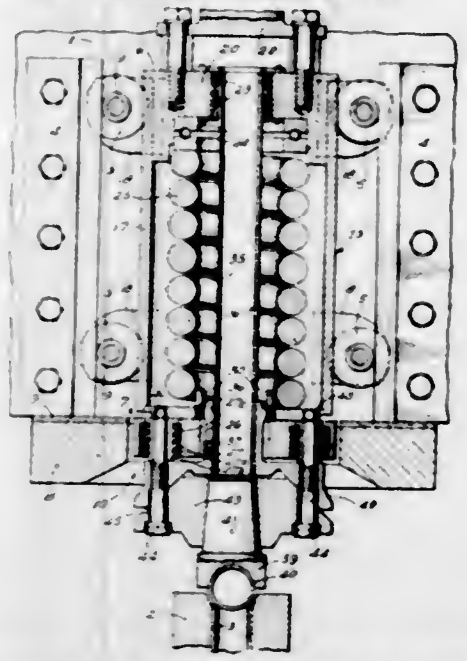
Clarence C. Green, Manheim Township, Lancaster County, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application August 2, 1940, Serial No. 349,602
21 Claims. (Cl. 235—98)



4. In counting mechanism, the combination of a rotatable dial wheel for indicating the number of individual articles which have passed through a counting zone, a ratchet to operate the same, means for separating counted articles in lots of various sizes, a plurality of cams operable with said ratchet, a lever carrying a pawl adapted to actuate a second ratchet, means for selectively connecting any of said cams to said lever in actuating relationship dependent upon the size of the lot desired, and means connected to said second ratchet for actuating the separating means.

2,417,075
WELDING APPARATUS

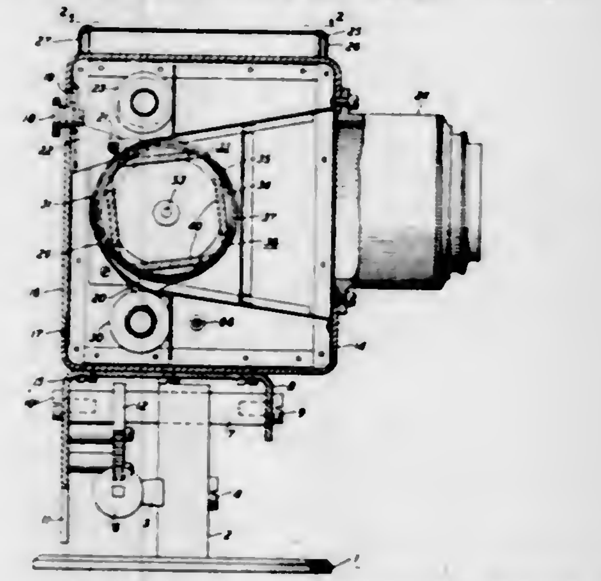
Kenneth V. Hart, Cleveland, Ohio
Application December 15, 1944, Serial No. 568,259
16 Claims. (Cl. 219—4)



6. A pressure head for an electric welder comprising an outer cylinder having a plug at one end and having an abutment ring at the other end, an inner head in and capable of limited axial movement relative to said ring, a tube connected near one end to said inner head and slidable near the other end in said plug, spring means compressed in the cylinder and pressing against said inner head, and means associated with said ring and said inner head for guiding said ring and inner head during their relative axial movements.

2,417,076
HIGH-SPEED CAMERA

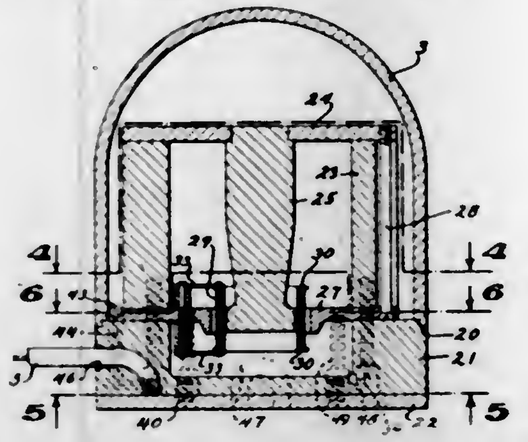
Clarence N. Hickman, Jackson Heights, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 30, 1944, Serial No. 538,063
13 Claims. (Cl. 88—16.8)



1. In combination with a camera having a lens system and means for moving a film through the optical axis of said lens system, of a light interrupting means disposed between said lens and said film, said light interrupting means comprising a pair of concentric tubular shutters containing dissimilar numbers of equal size exposure slots, and means producing rotation of said concentric shutters in the same direction at unequal angular speeds.

2,417,077
SEISMOMETER

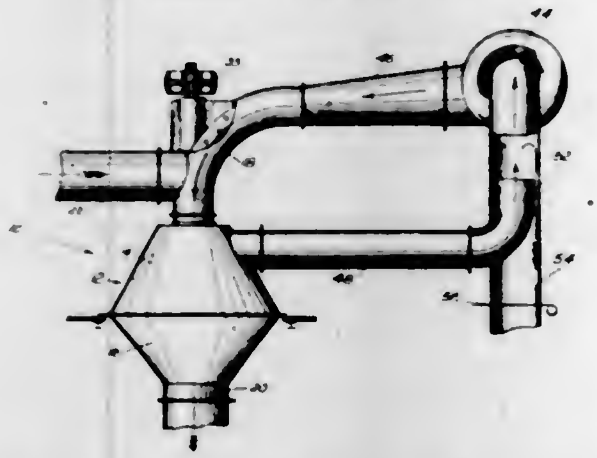
Herbert Hoover, Jr., Sierra Madre, Calif., assignor, by mesne assignments, to United Geophysical Company, Inc., Pasadena, Calif., a corporation of California
Original application July 28, 1939, Serial No. 287,073, now Patent No. 2,307,792, dated January 12, 1943. Divided and this application October 13, 1942, Serial No. 461,888
4 Claims. (Cl. 177—352)



1. A portable seismometer comprising a case having a flat base and a substantially uninterrupted domed top, vibration-detecting means sealed within the case and adapted to detect movement thereof transverse to the base, said means including a light weight movably suspended coil with a natural frequency of about 15–20 cycles.

2,417,078
DISC TYPE SHELL CRACKING APPARATUS FOR COCOA BEANS

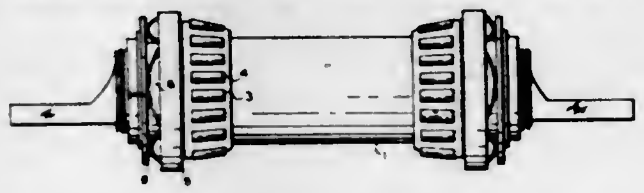
Wallace T. Jones, New York, N. Y., assignor to Rockwood & Co., Brooklyn, N. Y., a corporation of Delaware
Application September 1, 1943, Serial No. 500,823
4 Claims. (Cl. 241—48)



1. Apparatus for cracking cocoa beans, comprising a casing, a conduit in said casing, said casing having an inlet for the beans, said conduit being connected to said inlet and having an outlet in said casing, a disk mounted for rotation in said casing and positioned in horizontal position and in confronting relation to said outlet whereby the beans which issue from said outlet of the conduit strike said disk, means for supplying a current of air through said conduit for propelling the beans against said disk, means forming a passage located circumferentially of the disk in radially spaced relation to said outlet of said conduit, means for rotating said disk whereby the beans which strike said disk are propelled by centrifugal force through said passage, and means in said passage for engaging and breaking the beans, said air-current supplying means comprising an air pump having its outlet connected to said conduit and its inlet connected to said casing above said disk at the outlet side of said passage for withdrawing the lighter cracked cocoa-bean particles from said casing, said casing having a passage below said disk in communication with said first mentioned passage of the outlet side thereof to provide for the discharge of the heavier cracked cocoa-bean particles from the casing, and a separator between said pump inlet and the outlet side of said passage for separating broken bean particles from the air current passing from said casing to said air pump inlet.

2,417,079
SINUOUS LOOP CONDUCTOR

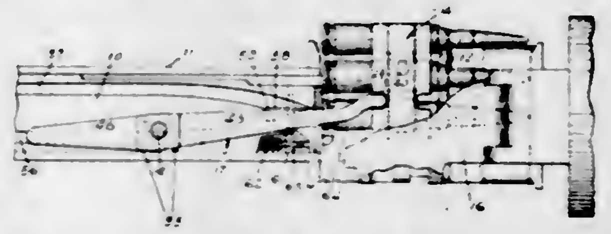
Edmund V. Kavanaugh, Detroit, Mich.
Application September 24, 1945, Serial No. 618,385
2 Claims. (Cl. 173—324)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In combination two concentrically disposed members one revoluble relatively to the other, a grease retaining ring carried by one member, a flange carried by the other member and axially spaced from said ring, a wire conducting ring concentric with said two members and interposed between said retaining ring and said flange under compression and constantly in electrical conducting contact with both said ring and said flange, and means carried by said retaining ring and engaging and maintaining said conducting ring in operative position between said retaining ring and said flange.

2,417,080
CARTRIDGE FEED SYSTEM

John L. Lochhead, Springfield, Mass., assignor to United States of America, as represented by the Secretary of War
Application August 24, 1940, Serial No. 354,070
4 Claims. (Cl. 89—33)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

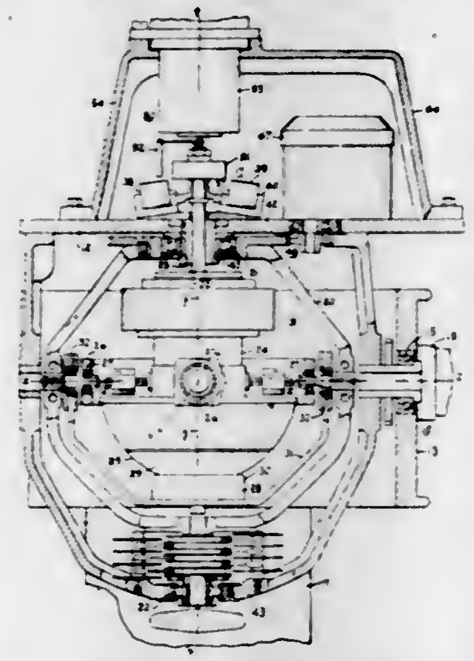


1. In an automatic gun of the type having a reciprocable breech bolt movable to a counterbattery position by the force of recoil, a cartridge feeding mechanism comprising in combination a body member reciprocable transversely of the direction of movement of said bolt, a slide mounted on said body member adapted for relative movement in the direction of reciprocation thereof, a flat resilient member secured to said slide, means detachably interconnecting the flat member and body member whereby movement of the latter will be transmitted to the slide, a pawl pivotally mounted on the slide, a lever pivoted on the gun and having one end portion engageable with the

body member to reciprocate the same upon oscillation of the lever and means defining a cam track on said bolt adapted to oscillate the lever upon reciprocation of the bolt, said cam track and lever being correlated to move the body member in cartridge advancing direction during movement of the bolt toward counterbattery position.

2,417,081
STABLE ELEMENT

Lawrence B. Lynn, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 30, 1945, Serial No. 607,711
4 Claims. (Cl. 74—5)

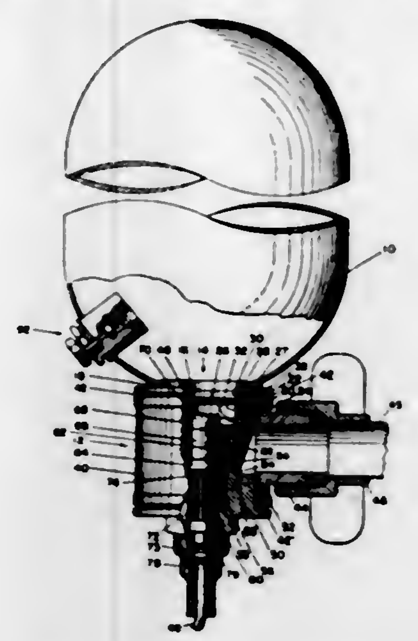


1. In a stable element, a follow-up member mounted for movement about axes at right angles so that it may be positioned horizontally; servo-motor means for moving the follow-up member about said axes; a cage mounted on the follow-up member for movement about an axis which is vertical when the follow-up member is horizontal; a gyro-vertical comprising a casing, a rotor journaled in the casing, gimbal means for suspending the casing and rotor from the cage, an erector cooperating with the rotor and pendulously suspended from the cage; an actuating member coaxial with the rotor spin axis and carried by the casing; pick-off means carried by the follow-up member and operable by the actuating member to control the servo-motor means for moving the follow-up member about its mounting axes so as to maintain the latter horizontal; a motor carried by the follow-up member; and reduction gearing connecting the motor and the cage for rotation of the latter at a suitably slow speed.

2,417,082
APPARATUS FOR DISCHARGING FLUIDS UNDER PRESSURE

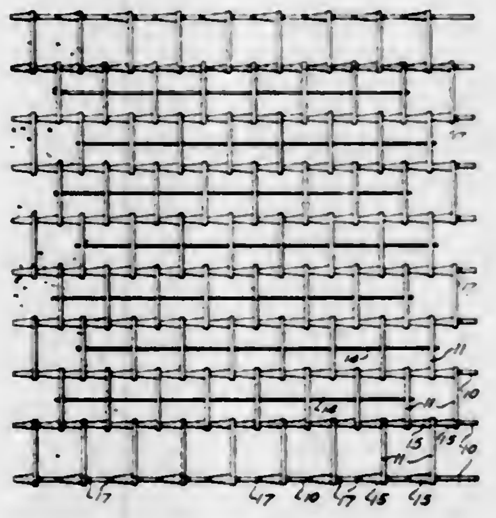
Daniel Mapes, West Caldwell, and Edmund Du Pont, Bloomfield, N. J., assignors to Specialties Development Corporation, Bloomfield, N. J., a corporation of New Jersey
Application March 13, 1944, Serial No. 526,216
9 Claims. (Cl. 169—28)

1. A fluid pressure medium releasing apparatus comprising a container for the fluid medium, a closure disc for said container having predetermined weakened portions, a discharge head providing a discharge chamber and a discharge outlet, shattering means in said discharge head in alignment with said disc, explosive means for forcibly propelling said shattering means against said disc to shatter the same into fragments whereby to release the fluid pressure medium from the container, and means interposed between said disc and said outlet for preventing the entry of fragments into said outlet.



2,417,083
ANNEALING TRAY

Paul S. Menough, Rocky River, Ohio
Application December 15, 1943, Serial No. 514,317
25 Claims. (Cl. 263—47)

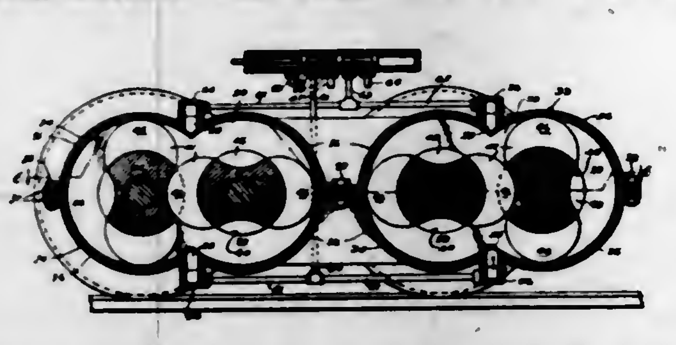


1. A device of the class described comprising vertical link plates having openings therethrough, load bearing rods extending loosely through openings in a plurality of said link plates and web means extending through said link plates for holding said link plates in predetermined relative position, said web means being disposed intermediate and parallel to the load bearing rods and having engagement with the sides of the link plates.

2,417,084
STEAM LOCOMOTIVE

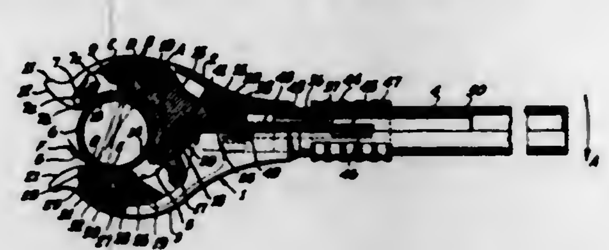
Benjamin Cullen Monroe, Tuscola, Ill.
Application May 27, 1943, Serial No. 488,656
5 Claims. (Cl. 105—38)

3. A steam locomotive including driving wheels, a pair of driving axles connecting the driving wheels, a main frame or chassis carrying a boiler and associated parts and including longitudinally extending spaced side sills, a power assembly consisting of two power units arranged in tandem relation and consisting of a rigidly constructed housing for both power units mounted on the driving axles and fitting within the main frame or chassis, a companion shaft for each power unit extending transversely of the housing in parallel spaced relation with each other and with the driving axles, co-operating rotor elements in each power unit mounted directly upon the driving axle and companion shaft respectively, means for admitting and exhausting a pressure medium to and from the power units to impinge against the rotor elements, and spring means mounted on the axles and supporting the main frame or chassis.



2,417,085
PIPE TONG

Gird E. Mullinix, San Marino, Calif., assignor to Byron Jackson Co., Huntington Park, Calif., a corporation of Delaware
Application December 15, 1941, Serial No. 423,011
5 Claims. (Cl. 81—99)

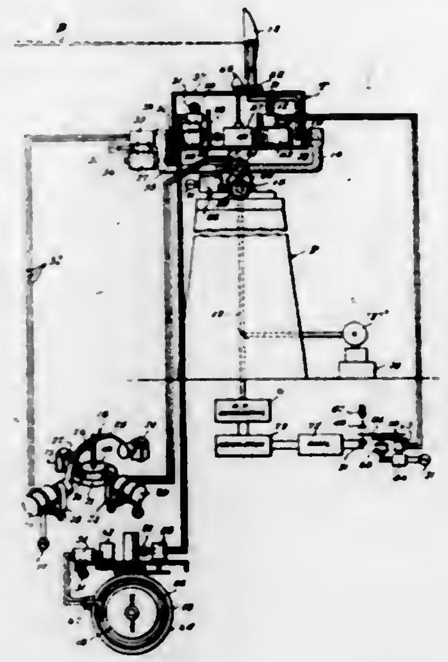


1. A pipe tong comprising a handle and a plurality of relatively constrictable pipe-engaging jaws mounted thereon, means pivotally connecting at least one of the jaw members to the handle so that movement of the handle about its pivot tends to constrict said jaws, and means yieldably maintaining the jaw member which is pivoted to the handle in pipe-engaging position comprising cam means mounted on the handle and having a cam surface wedgingly engaging a cooperating surface on said pivoted jaw member, the effective wedge angle between the cam surface on the cam means and the cooperating surface on said pivoted jaw member being substantially within the range of 25° to 30°, and means resiliently urging the cam means into wedging engagement with said pivoted jaw member.

2,417,086
HOMING SYSTEM

Richard Proskauer, Westbury, and Victor J. Young, Jamaica, N. Y., assignors to Sperry Gyroscope Company, Inc., a corporation of New York
Application December 31, 1943, Serial No. 516,384
11 Claims. (Cl. 250—11)

1. An omnidirectional radio beacon comprising means for rotating a beam of electromagnetic radiation, means for modulating said beam with different code signals to distinguish each of a plurality of sectors through which said beam sweeps, and means for further modulating said beam with similar code signals different from said first signals to identify corresponding portions of each of said sectors.



2,417,087
LUBRICANT

Carl F. Prutton, Cleveland, Ohio, assignor to The Lubri-Zol Corporation, Wickliffe, Ohio, a corporation of Ohio
No Drawing. Application December 19, 1940, Serial No. 370,839
10 Claims. (Cl. 252—42.7)

1. An extreme pressure lubricant comprising a major proportion of mineral lubricating oil and an aromatic compound containing (*a*) an aromatic nucleus, (*b*) an aliphatic substituent containing more than three carbon atoms, and (*c*) an inorganic substituent containing an element of the class consisting of oxygen and sulphur, said compound present in an amount sufficient to increase the load carrying capacity of the composition so as to prevent seizure and scoring of the bearing lubricant thereby when operated under conditions of boundary lubrication.

2,417,088
LUBRICATING COMPOSITION

Carl F. Prutton, Cleveland Heights, Ohio, assignor, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio, a corporation of Delaware
No Drawing. Application February 17, 1942, Serial No. 431,259
8 Claims. (Cl. 252—48.6)

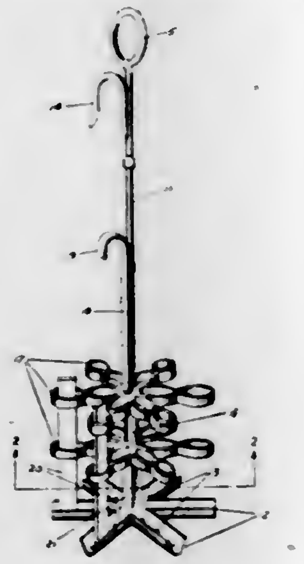
1. A lubricating composition comprising the combination of an ester of a naphthenic acid and an organic sulphur compound.

2,417,089
HEAT-TREATING BASKET

Carlo Sardo, New York, N. Y.
Application October 25, 1945, Serial No. 624,614
3 Claims. (Cl. 263—47)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

3. A heat treating basket comprising a central standard, a plurality of tray members extending

radially from the lower end of said standard, lifting means at the upper end of said standard, a cylindrical member slidably enclosing said standard, a plurality of retaining loops extending radially from said cylindrical member, said retaining loops corresponding in angular spacing to said tray members, lifting means associated with said cylindrical member whereby said cylindrical member may be moved relative to said standard, and structural means assuring alignment of said retaining loops with said tray members when said retaining loops are adjacent said tray members.



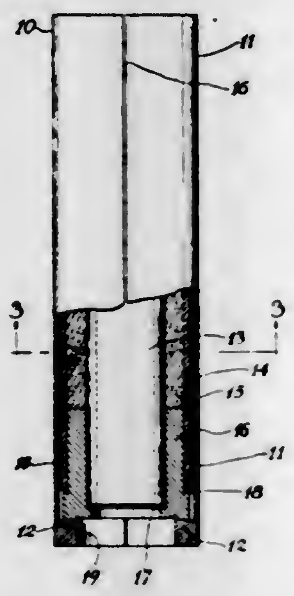
2,417,090

MANUFACTURE OF PROPELLENT EXPLOSIVES

Charles Earnest Silk and George C. Dintelmann, Alton, Ill., assignors to Olin Industries, Inc., a corporation of Delaware

Application January 26, 1944, Serial No. 519,768

5 Claims. (Cl. 18—55)



1. In the manufacture of propellent explosives, the process comprising providing pellets consisting of a gelatinized nitrocellulose-nitroglycerine composition substantially free of volatile solvent, mixing the said pellets with a non-volatile plasticizer until the exterior of the pellets is rendered tacky without substantial plasticization of the interior of the pellets thereby, and then concurrently heating and compressing a charge of the surface-tacky pellets until consolidated into a substantially homogeneous grain.

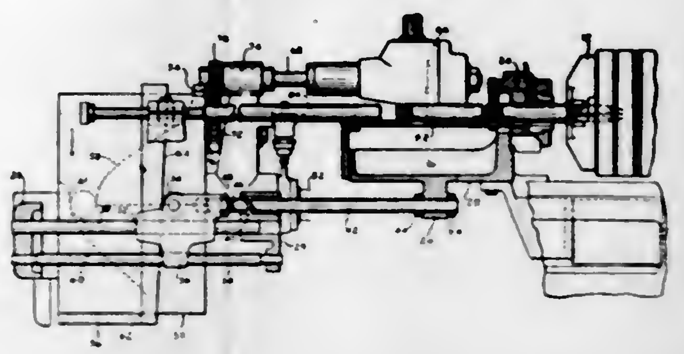
2,417,091

METAL WORKING MACHINE

Nevin B. Smith, Hamburg, Pa., assignor to Landis Machine Company, Waynesboro, Pa., a corporation of Pennsylvania

Original application August 8, 1941, Serial No. 406,049. Divided and this application October 21, 1944, Serial No. 559,798

13 Claims. (Cl. 10—91)



13. In a machine having work forming means and a reciprocable work feeding and retracting device associated therewith, a slidably mounted member operatively connected to said device, and a rotatably mounted power driven cam having peripheral cam faces obliquely inclined in relatively opposite direction to successively coact with said member and respectively rapidly retract and advance said device, said cam also having a cam face extending circumferentially between said obliquely inclined cam faces and coacting with said member to impart a relatively slow work feeding movement to said device with respect to the work forming means.

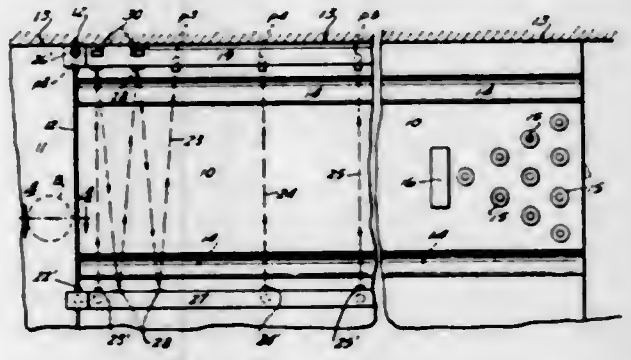
2,417,092

FOUL DETECTOR AND INDICATOR FOR BOWLING ALLEYS

Putnam M. Smith, Redwood Falls, Minn., assignor of one-half to A. Leslie Janes, Jr., Redwood Falls, Minn.

Application March 4, 1942, Serial No. 433,287

8 Claims. (Cl. 273—50)



1. In a foul detecting and indicating system for bowling alleys having a foul line, a normally inoperative foul indicating signal, a device for detecting the presence of an object above the foul line, a device for detecting the passage of a bowling ball in a zone spaced from the foul line a distance sufficient that the ball will be beyond the foul line before entering said zone, and means under joint control of the detecting devices for controlling operation of the foul signal including a time delay device preserving the state of detection of the second device after the ball has passed through said zone and an element removing the first device from operation before the end of the operation of said time delay device.

2,417,093

SULFURIZED, MILLED, AND CURED POLYMER

William J. Sparks, Elizabeth, and Henry B. Kellog, Union City, N. J., assignors, by mesne assignments, to Jasco, Incorporated, a corporation of Louisiana

No Drawing. Application September 6, 1941, Serial No. 409,906

7 Claims. (Cl. 260—79)

1. In the processing of a synthetic, solid, plastic hydrocarbon interpolymer of a major proportion of an iso-olefin having not more than about seven carbon atoms per molecule with a minor proportion of a conjugated diolefin having 4 to 6, inclusive, carbon atoms per molecule, the said interpolymer being characterized by an iodine number between 1 and 45, a molecular weight above 15,000 and reactivity with sulfur to yield an elastic product, the step of heating a solution of the said interpolymer with a sulfur chloride to a reaction temperature causing evolution of hydrogen chloride to produce a partly sulfurized polymer which is millable to plasticity and is reactive with elemental sulfur to yield an elastic product.

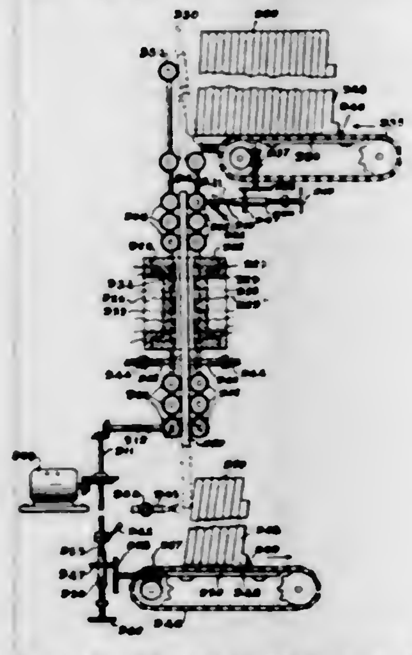
2,417,094

METHOD OF HEAT-TREATING GLASS OR LIKE MATERIALS

Arthur E. Spinasse, Mount Vernon, Ohio

Application April 1, 1940, Serial No. 327,166

13 Claims. (Cl. 49—89)



1. The method of heat treating a sheet of glass which comprises heating the sheet over an area having dimensions at least equal to the width but narrow with respect to the length of the sheet, cooling the sheet over an area adjacent the heating area and of dimensions similar to those of the heating area, the combined width of those areas being less than the length of the sheet, and moving the sheet of glass continously adjacent and past the heating and cooling areas to progressively heat and then cool the glass sheet to thus complete its treatment.

2,417,095

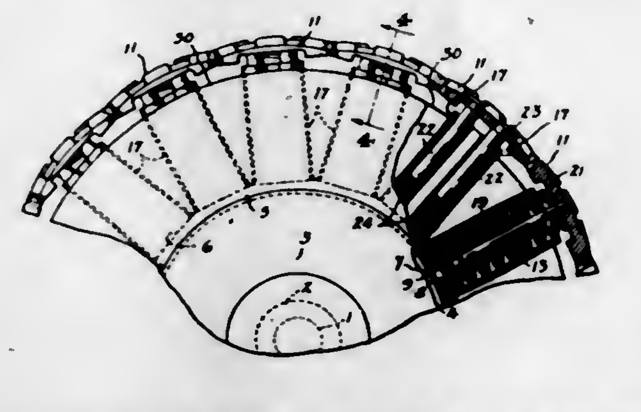
VEHICLE WHEEL

Jacob J. Spira, Cleveland, Ohio, assignor of two-thirds to Samuel O. Siegal and Edward I. Siegal, Cleveland, Ohio

Application July 17, 1942, Serial No. 451,273

15 Claims. (Cl. 152—16)

1. A vehicle wheel comprising a tread supporting member having hollow sleeves extending outwardly therefrom, a plurality of treads, each having guide rods depending therefrom with the free end of each guide rod being receivable within one of said sleeves, a main compression spring interposed between said supporting member and each tread for bearing the major portion of the load when the tread engages a road, a cushioning spring arranged in each of said sleeves for bearing a portion of the load when the main spring is compressed beyond a predetermined extent, and a restraining spring for limiting the outward movement of the tread under the force of said compression and cushioning springs when the tread is disengaged from the road.



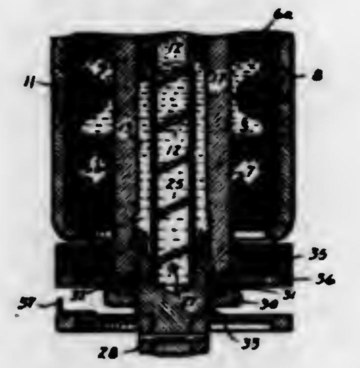
2,417,096

FLUID-DAMPED MOUNTING

Leon F. Thiry, Montclair, N. J., assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application December 13, 1944, Serial No. 568,042

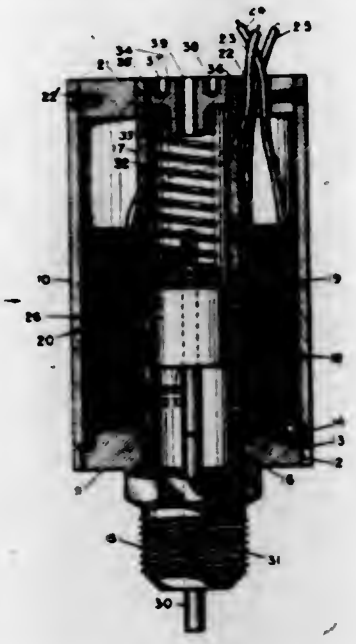
6 Claims. (Cl. 248—358)



1. A vibration-absorbing mounting comprising a housing, which may be connected to one of two relatively movable elements, at least two laterally spaced, annular load-supporting resilient members within said housing, a rigid inner member substantially coaxial with said housing and carried by and extending substantially through both of said annular resilient members, said inner member being adapted to be connected to the other of said relatively movable elements, said inner member, said housing and said annular resilient members cooperatively forming a chamber containing liquid, rigid means for separating said chamber into at least two compartments, a passageway for permitting passage of said liquid between said compartments when one of the compartments is reduced in volume by relative movement of said inner member and said housing, and means for varying the cross sectional area of portions of said passageway to obtain a predetermined rate of flow of said liquid between said compartments, whereby the characteristics of the suspension between the two relatively movable elements may be varied.

2,417,097
VARIABLE INDUCTANCE FOR TELEMETERING SYSTEMS

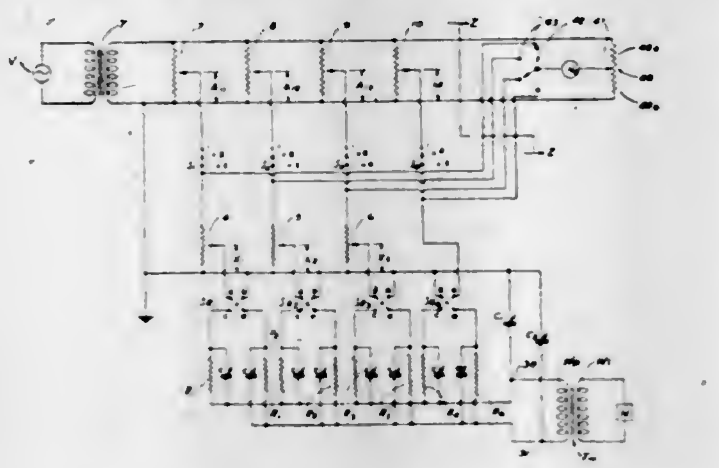
Howard D. Warshaw, Drexel Hill, Pa.
Application April 10, 1945, Serial No. 587,600
7 Claims. (Cl. 171—242)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A transmitter for use in a system for telemetering a condition, said transmitter comprising, a pair of coils mounted in superposed relation, said coils when energized producing opposing magnetic fields, a washer of magnetic material separating said coils, a core of magnetic material movable through said coils in response to a change in said condition to increase the reluctance of the magnetic circuit of one of said coils and to simultaneously decrease the reluctance of the magnetic circuit of the other coil, and adjustable non-magnetic resilient means engaging one end of said core for regulating movement thereof.

2,417,098
COMPUTER

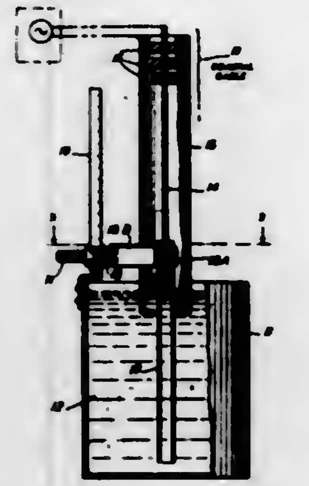
Doyle E. Wilcox, Pasadena, Calif., assignor to Consolidated Engineering Corporation, Pasadena, Calif., a corporation of California
Application September 5, 1945, Serial No. 614,550
10 Claims. (Cl. 235—61)



1. An electrical summation network, comprising a plurality of voltage sources, a null voltage indicating means and a pair of impedance elements connected from each source to the indicating means, one of each pair being connected from one side of its associated source to one side of the indicating means, and the other of each pair being connected from the other side of its associated source to the other side of the indicating means, the impedances of said impedance elements being of equal magnitude.

2,417,099
VARIABLE RESISTANCE STANDARD

Alfred S. Windeler, Baltimore, Md., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 31, 1943, Serial No. 500,659
5 Claims. (Cl. 201—57)

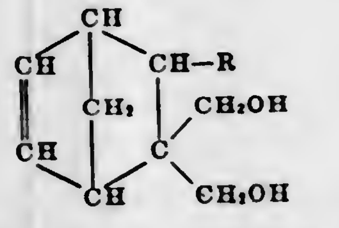


1. A substantially non-inductive variable electrical resistor comprising an enclosure of conducting material, a conducting substance within said enclosure, a pair of electrodes disposed above said enclosure and having their lower ends inserted a slight distance into said substance, a tube of impervious insulative material surrounding one of said electrodes and extending into said substance to provide a controllable conductive path in said substance between said electrodes, operational means for varying the depth of penetration of said tube into said substance to thereby vary the resistance of said path, said path comprising spacially parallel, operable legs regulated by said means, maintained substantially equal in length at all times and adapted to conduct in opposite directions for minimizing inductive impedance to alternating current.

2,417,100
UNSATURATED BICYCLIC GLYCOLS

Herman A. Bruson, Rydal, and Warren D. Niederhauser and Hyman Iserson, Philadelphia, Pa., assignors to The Resinous Products & Chemical Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application November 9, 1945, Serial No. 627,778
3 Claims. (Cl. 260—617)

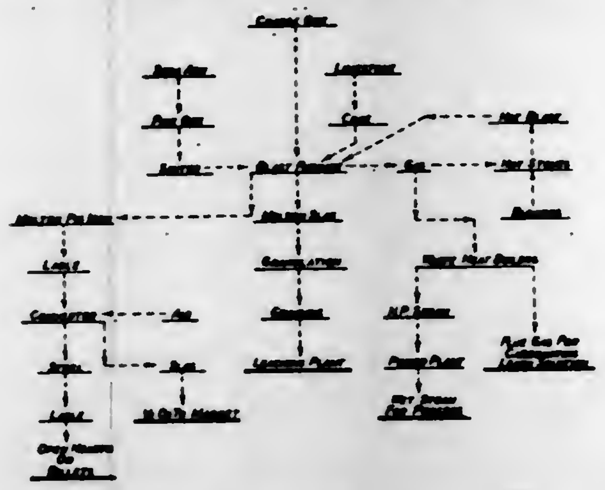
1. As a new compound, an unsaturated bicyclic glycol having the formula:



wherein R is selected from a member of the class consisting of hydrogen and the methyl group.

2,417,101
TITANIFEROUS MAGNETITE TREATMENT

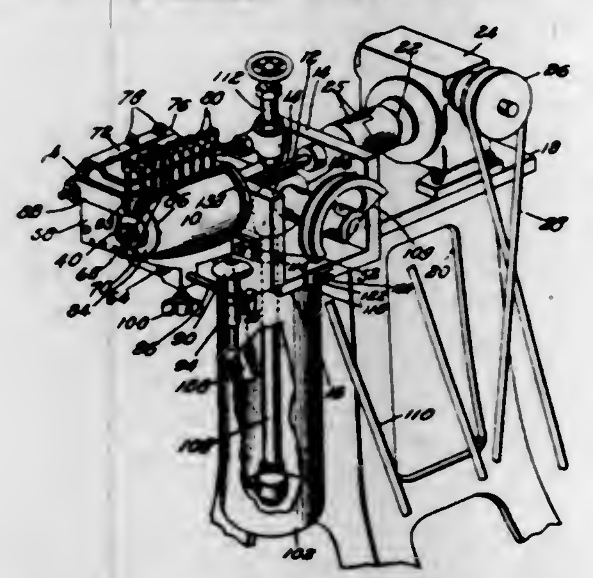
Thomas P. Campbell, Denver, Colo.
Application December 19, 1942, Serial No. 469,559
27 Claims. (Cl. 75—30)



1. The process of treating titaniferous ore-like material containing alumina and silica, which comprises mixing such material with carboniferous matter and a mixture of limestone and a fixed alkali composition, the alkali content of such mixture being substantially 50%, heating the resulting mixture to a temperature in excess of 1350° C. until the entire mass is molten, then separating the iron content from the slag of said molten mass, and separating the titanates from aluminates and silicates of said slag by water leaching.

2,417,102
MACHINE FOR COATING HEELS

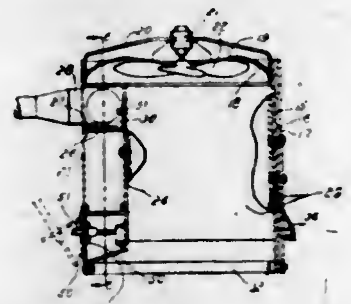
Rouel R. Campbell, Patten, Maine, assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application November 19, 1943, Serial No. 510,901
6 Claims. (Cl. 91—51)



1. In a machine for applying a coating to the convex surface of a heel, a rotatably mounted applicator against which the heel may be placed and rotated to roll the convex surface in contact with the surface of the applicator, means for rotating said applicator, a receptacle into which the lower side of the applicator dips, and means in said receptacle below the applicator and which bears against the applicator axially thereof, said means dividing the receptacle into two compartments one of which is filled with liquid up to a point which reaches the under surface of the applicator and the other of which is substantially empty.

2,417,103
GAS-FIRED UNIT HEATER

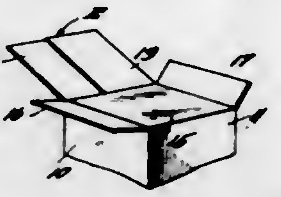
Henry Cohn, Detroit, Mich.
Application April 1, 1943, Serial No. 481,487
4 Claims. (Cl. 126—116)



1. In a heating device of the class described, a housing; a plurality of vertically disposed, spaced apart, hollow heat exchangers in said housing; an outlet flue communicating with each of said heat exchangers adjacent its upper end for conducting burned gases therefrom; a gas burner in each of said exchangers adjacent the lower end thereof, each heat exchanger forming a combustion chamber for the gases; a hollow inlet gas supply head on an end of each of said gas burners having a concave end face provided with a central opening therein; a supporting door swingably mounted on said housing; a distributing pipe mounted on said door; a plurality of gas jets communicating with and projecting outwardly from said distributing pipe and each adapted for engaging in the opening in a concave face upon swinging of said door to operative position.

2,417,104
CONTAINER

George Cope, Detroit, Mich., assignor to The American Paper Bottle Company, Toledo, Ohio, a corporation of Ohio
Application November 8, 1943, Serial No. 509,487
4 Claims. (Cl. 229—37)



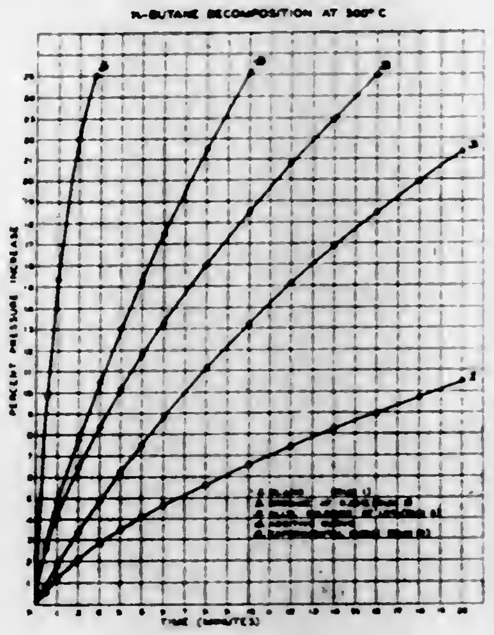
1. A tubular paper container having a bottom closure comprising four flaps, two major flaps and two minor flaps, one of the major flaps comprising two overlapping fractional flaps overlapping portions of which are adhesively secured together and the minor flaps being disposed, respectively, in the parallel planes of said fractional flaps so that the bottom is of uniform thickness at all points.

2,417,105
METHOD FOR CRACKING HYDROCARBONS IN THE PRESENCE OF THE HALOGEN, BROMINE, AND IODINE, AND A CHLORINATED UNSATURATED ALIPHATIC ORGANIC COMPOUND

Hillis O. Folkins, Skokie, Ill., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
Application May 25, 1945, Serial No. 595,712
13 Claims. (Cl. 196—52)

1. The method of cracking hydrocarbons comprising subjecting hydrocarbons to suitable

cracking conditions of time, temperature and pressure in the presence of a small amount of a halogen selected from the group consisting of



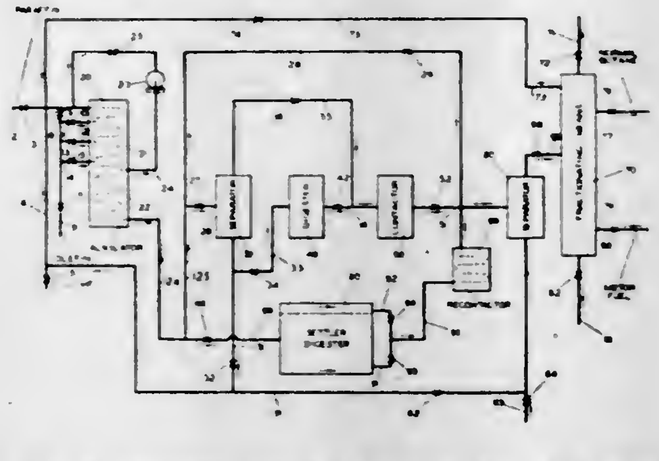
bromine and iodine and a small amount of an organic compound having a chlorinated, unsaturated, aliphatic group.

2,417,106

DECREASE OF ORGANIC FLUORINE COMPOUNDS IN HYDROFLUORIC ACID ALKYLATION OF HYDROCARBONS

Frederick E. Frey, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application August 26, 1943, Serial No. 500,109
11 Claims. (Cl. 260—683.4)



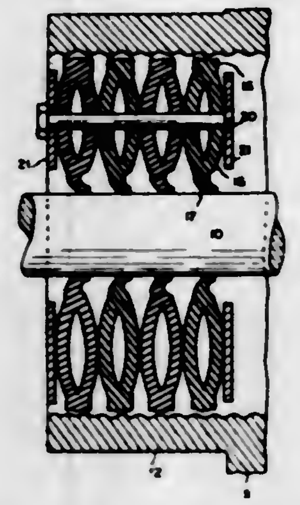
1. In a process for alkylating an alkylatable hydrocarbon with an olefin under alkylation conditions to produce higher-boiling hydrocarbons in which the reactants are intimately mixed with hydrofluoric acid to form an alkylation mixture, decreasing the content of organic fluorides in the hydrocarbon effluents by the improvement which comprises separating said alkylation mixture when said alkylation is substantially complete into a liquid hydrocarbon phase and a liquid acid phase, maintaining said acid phase separate from said hydrocarbon phase and at a reaction temperature for a period sufficient for organic fluorine compounds dissolved in said acid phase to be substantially completely consumed by alkylation of alkylatable hydrocarbons likewise dissolved in said acid phase, intimately remixing the two liquid phases and maintaining said mixture for a period of time sufficient to decrease the amount of organic fluorine compounds in said hydrocarbon phase.

2,417,107

OIL SEAL

Resta S. Gregoire, Detroit, Mich., assignor of twenty per cent to Harold L. Cox and twenty per cent to John Joseph Thornton, Jr., both of Detroit, Mich.

Application March 19, 1945, Serial No. 583,463
2 Claims. (Cl. 286—39)



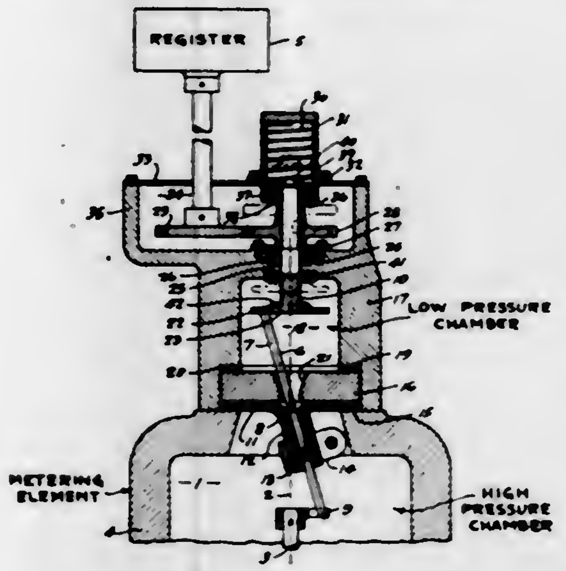
1. An oil seal for a shaft opening in a housing, said seal comprising an annulus of resilient oil resistant material provided on its outer periphery with a wall contacting extension and on its inner periphery with a flexible shaft contacting extension, said annulus being molded upon a hollow thin-walled metallic core whose cross sectional dimension axially is considerably less than its radial dimension and with bowed walls whereby axial compression will expand said cored annulus radially in both directions.

2,417,108

METER SEAL AND STOP MECHANISM

Francis W. Guibert, Beverly Hills, and Frederic B. Fuller, Whittier, Calif.; said Fuller assignor to said Guibert

Application June 21, 1944, Serial No. 541,354
5 Claims. (Cl. 192—116.5)



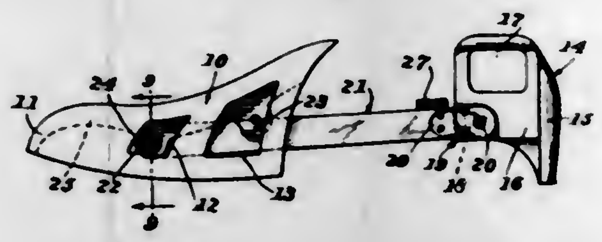
2. In a transmission mechanism: a fluid-tight housing; a load; means forming a low pressure chamber between the housing and the load; and a mechanical transmission extending from inside the housing and through the chamber, including an axially movable shaft extending from the chamber and normally coupled to the load; and means responsive to the existence of abnormal pressure in the chamber for urging the shaft axially outwardly, whereby the drive to the load is interrupted.

2,417,109

SHOE TREE

Elwood C. Harvey, Thorndale, Pa., assignor to J. Willard Harvey, Thorndale, Pa.

Application August 21, 1945, Serial No. 611,770
4 Claims. (Cl. 12—128.6)



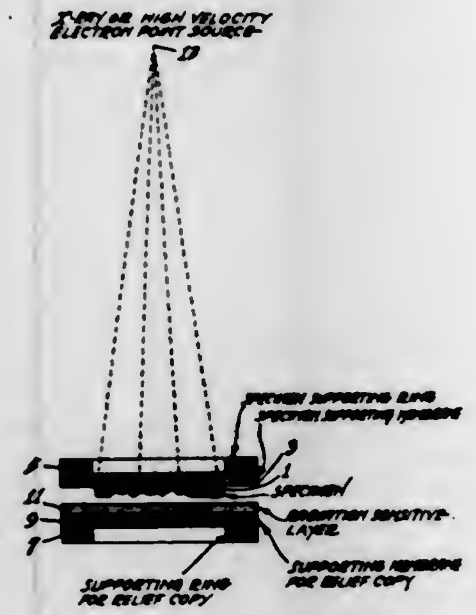
1. A shoe tree including a hollow toe piece conforming to the shape of a shoe toe, a pair of longitudinally extending, parallel flanges depending from the top wall of said toe piece, a heel piece having an upstanding finger eye, a plurality of longitudinally spaced, transversely extending apertures in said parallel flanges, a bar selectively and pivotally journaled in said apertures and laterally guided by said flanges, a shaft pivoted to said heel piece and telescopingly engaging said bar, and means for longitudinally and adjustably securing said bar to said sleeve.

2,417,110

ELECTRON MICROSCOPE SPECIMEN

James Hillier, Cranbury, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application December 24, 1943, Serial No. 515,581
18 Claims. (Cl. 250—49.5)


X-RAY OR HIGH VELOCITY ELECTRON POINT SOURCE
13
SPECIMEN
RADIATION SENSITIVE LAYER
SUPPORTING MEMBRANE FOR RELIEF COPY
SUPPORTING RING FOR RELIEF COPY
11
9
7

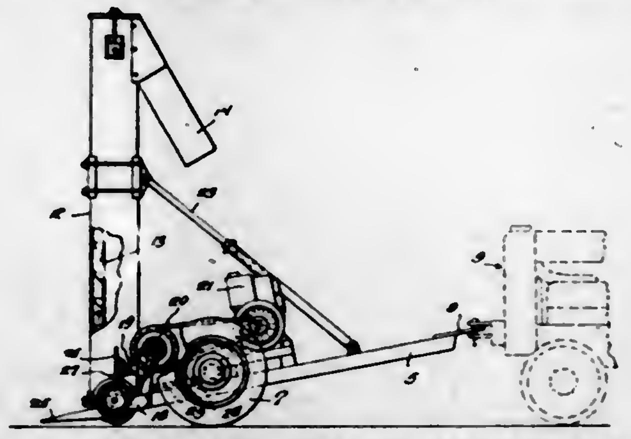
2. The method of deriving from a radiation pervious element, having at least a radiation sensitive portion, an electron permeable relief copy of a microscopic specimen which is too thick for satisfactory continuous electron transmission microscopy comprising juxtaposing substantially in contact with said specimen said radiation sensitive portion of said radiation pervious element, irradiating said specimen by relatively short wavelength radiations, irradiating at least said radiation sensitive portion by transmission through said specimen to provide a relief image on said sensitive surface which is suitable for substantially continuous transmission microscopy, and removing portions of said irradiated element in inverse relation to said image irradiation thereof.

2,417,111

PORTABLE GRAIN ELEVATOR

Roy Jeoffroy, Perryton, Tex.

Application March 13, 1945, Serial No. 582,515
4 Claims. (Cl. 198—7)



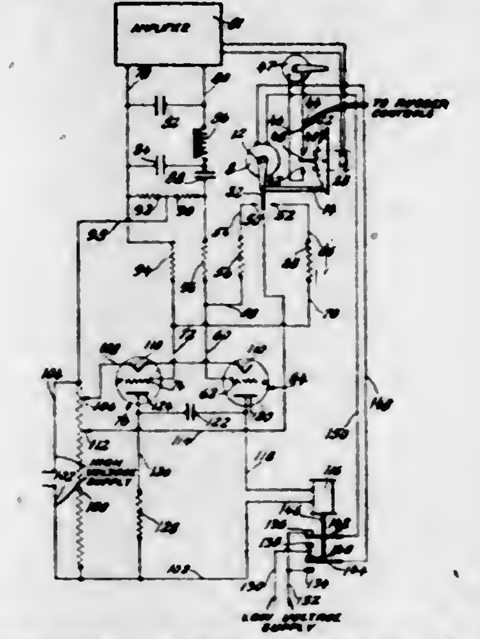
1. A portable grain elevator comprising a two wheeled frame, means to couple the rear of the frame to the front of a motor vehicle to be pushed forwardly thereby, a horizontal screw conveyor mounted transversely of and on the forward end of the frame, said screw conveyor including a casing having grain inlet openings in the front thereof and substantially from end to end of the same and a conveyor screw in the casing for discharging the grain through an end of said casing, a scoop blade rigidly secured at its rear edge to and projecting forwardly from said casing for directing the grain to said inlet openings, an upright elevating conveyor including a casing mounted at its lower end on the said end of the screw conveyor casing and an endless conveying element, a driving connection between said conveyor screw and said endless conveying element, and a motor mounted on said frame and operatively connected to said conveyor screw, the screw conveyor casing being axially rotatable to position the scoop in a forwardly and downwardly inclined position for loading from the ground or in a forwardly and upwardly inclined position to direct grain into the screw conveyor casing when discharged downwardly from a vehicle.

2,417,112

ELECTRICAL CONTROL SYSTEM

Charles F. Kettering, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application July 3, 1943, Serial No. 493,339
11 Claims. (Cl. 250—2)

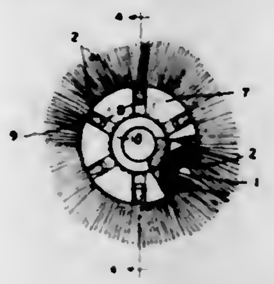


1. In automatic steering means, a pivotally mounted scanning means, means for driving said

scanning means in either direction about its pivot, reversing switching means connected to the driving means, electronic means to control the switch means, additional switching means connected to and operated by the scanning means at predetermined portions of its movement to actuate the electronic means, and sensitive pick-up means carried by the scanning means connected to supply additional control voltage to the electronic means.

2,417,113
ROTARY BRUSH

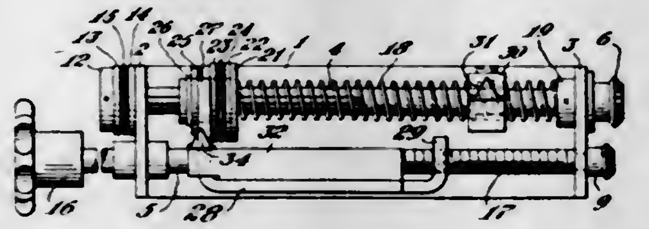
Charles Merton Kibbee, Cleveland, Ohio, assignor to The Osborn Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application July 9, 1943, Serial No. 494,042
3 Claims. (Cl. 15—181)



1. In a rotary brush, the combination of a central flat annulus having a series of oppositely projecting tongues along its inner edge, radially extending tufts of brush material looped about such tongues, respectively, the bases of such tufts extending within such inner edge, and a flat annulus of approximately the same external diameter as said central annulus applied to each side of said assembled brush material, said tongues being bent in radial direction into engagement with said side annuli, whereby said brush material is laterally pressed against and supported by said central annulus, and said side annuli being formed with depressions to receive said tongues.

2,417,114
MECHANICAL MOVEMENT FOR INDICATORS

Peter Kilham, Attleboro, Mass.
Application February 28, 1945, Serial No. 580,189
6 Claims. (Cl. 116—124)



1. Mechanism of the class described comprising a frame having spaced aligned bearings, a screw shaft arranged to turn in said bearings, an elongate coil spring embracing the shaft between the bearings, a collar fixed to the shaft to which one end of the spring is anchored, an abutment keyed to the shaft and movable axially of the latter and to which the other end of the spring is anchored, a nut engaging the coils of the spring, means operative to prevent the nut from turning with the shaft, a carriage movable in a path parallel to the screw shaft, a part of the carriage being operatively connected to the axially movable abutment whereby movement of the carriage varies the length of the spring, and means for moving the carriage.

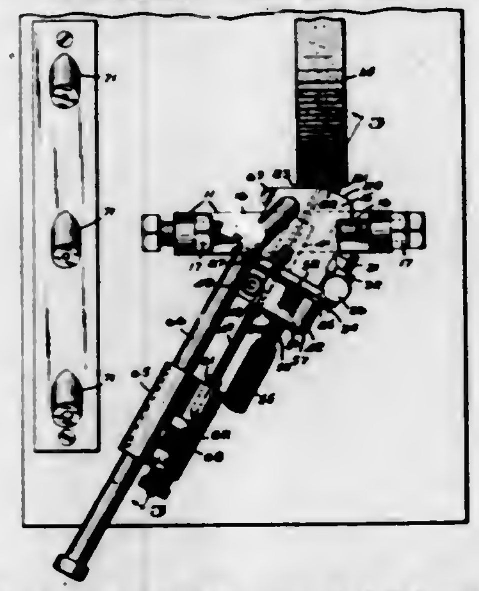
2,417,115
IMMUNIZING OF SEED FROM PEST ATTACK

Owen Bevan Lean, Windsor, and Percy Wragg Brian, Wokingham, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application March 24, 1941, Serial No. 385,010. In Great Britain April 5, 1940
14 Claims. (Cl. 167—20)

1. A bird repellent comprising finely divided sulfur nitride and finely divided imino sulfur in admixture with an inert powder.

2,417,116
DRILL GRINDING TOOL

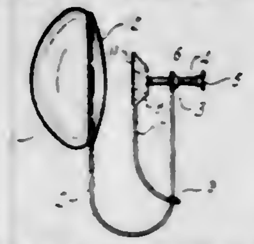
Nils T. Lovstrom, Malden, Mass.
Application April 14, 1944, Serial No. 530,972
4 Claims. (Cl. 51—219)



1. In a drill grinding tool, a support, a holder block pivotally monuted in said support for swinging movement relative to the face of a grinding wheel, a removable drill clamp having a skirt rotatable in said block and adapted to grip a drill extending through said skirt and said block, resilient means normally holding the clamp skirt in the block and pressing the clamp toward operative position, a back plate rotatably mounted on said skirt between the block and clamp, the plate having a pair of recesses spaced 180° from each other, a feed screw carried by the clamp and having a portion bearing on said plate and a stud selectively engageable in each of said recesses to hold the clamp in either one of two operative positions, and manually actuated means for rotating said plate and clamp while the clamp is held in either of said positions, said feed screw being actuable to adjust the axial position of said clamp and drill relative to the holder block.

2,417,117
EARRING

Morris L. Marcus, Pittsburgh, Pa.
Application July 18, 1945, Serial No. 605,812
4 Claims. (Cl. 63—14)

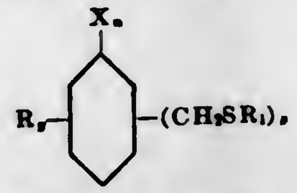


1. In an earring, a clamping attachment embodying a closure for enveloping the clamping plate and body of the clamping screw, said attachment having a shank extending downwardly adapted for attachment with the earring bracket.

2,417,118
COMPOSITION OF MATTER

Rush F. McCleary and Stiles M. Roberts, Beacon, N. Y., assignors, by mesne assignments, to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application August 16, 1941, Serial No. 407,234
10 Claims. (Cl. 260—609)

5. An aromatic methylene thioether having the following general formula



wherein R is a radical selected from the group consisting of hydrogen and a hydrocarbon radical, R_1 is a hydrocarbon radical, X is a substituent selected from the group consisting of hydroxyl radicals and metal substituted hydroxyl radicals and *n*, *y*, and *z* are integers of at least one.

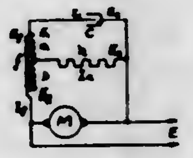
2,417,119
SYNTHESIS OF OLEFINS BY REACTING AN OLEFIN WITH AN ALKYL HALIDE IN THE PRESENCE OF CALCIUM OXIDE

Verle A. Miller and Wheeler G. Lovell, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
No Drawing. Application December 3, 1942, Serial No. 467,808
11 Claims. (Cl. 260—677)

3. The process of methylating olefins comprising reacting an olefin with a methyl halide in the presence of calcium oxide, thereby forming an olefin of higher carbon content.

2,417,120
SHUNT UNIVERSAL MOTOR

James M. Naul, Plainfield, N. J.
Application April 4, 1945, Serial No. 586,597
7 Claims. (Cl. 172—276)

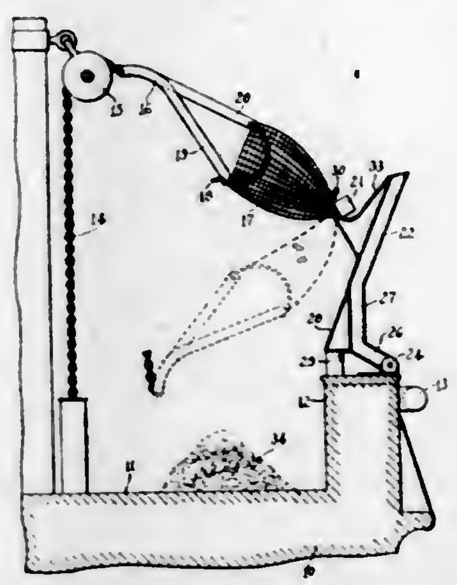


1. A universal motor of the commutator type for operation on both D. C. and A. C., the motor having a condenser and a field winding connected in series, while both are connected in shunt across the motor armature and line, and a resistance having one end tapped into the field winding and its other end connected to the line side of the condenser.

2,417,121
DREDGE-HOISTING APPARATUS

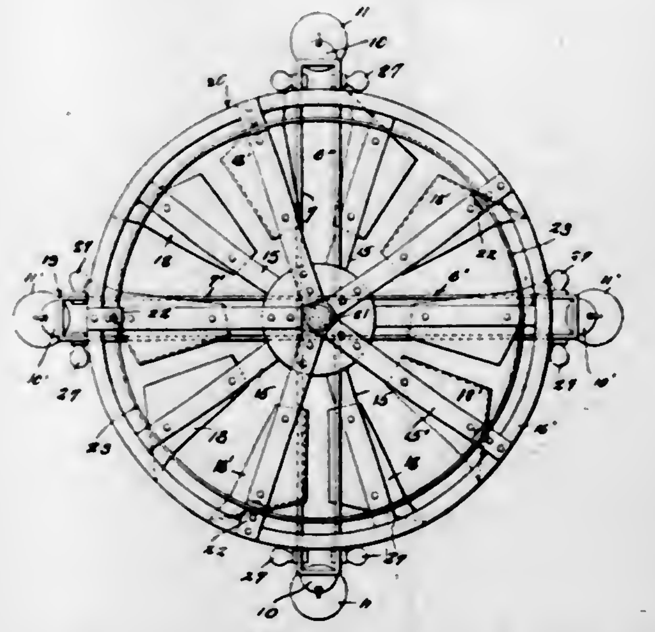
Julius R. Nelson, Barrington, R. I., assignor to The F. Mansfield & Sons Company, New Haven, Conn., a corporation of Connecticut
Application April 2, 1945, Serial No. 586,051
10 Claims. (Cl. 37—55)

8. A dredge-hoisting apparatus for use with a boat, said apparatus comprising a frame, means for pivoting said frame to a boat adjacent the edge thereof with the frame hanging downwardly from the pivotal axis along the side of the boat, downwardly facing hooks on the outer side of said frame, a dredge and a cable for drawing said dredge upwardly, said cable being secured to the upper end of the dredge, and means secured adjacent the lower end of the dredge for engagement by said hooks as the dredge is drawn upwardly, said parts being constructed and arranged, upon continued upward movement of the dredge, to swing said frame to an upstanding position above its pivotal axis, with the dredge suspended over the deck between the cable and said hooks whereby slackening off of the cable will effect the emptying of the dredge upon the deck of the boat.



2,417,122
WIND OPERATED ROTATABLE SIGN

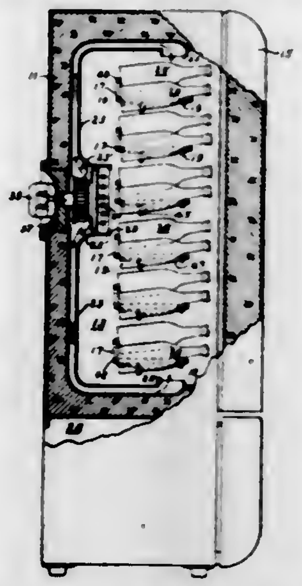
James J. Pearson, Tulsa, Okla.
Application November 8, 1944, Serial No. 562,484
3 Claims. (Cl. 40—39)



1. A sign comprising a post, fixed, horizontally elongated upper and lower display members embodying radiating arms secured to the post, upper and lower display rotors journaled on the post, the lower rotor being disposed between the fixed members, and the upper rotor being disposed above the upper fixed member, and oppositely-pitched vanes incorporated in the rotors whereby the rotors will be wind-impelled to turn in opposite directions.

2,417,123
FORCED AIR BOTTLE COOLER

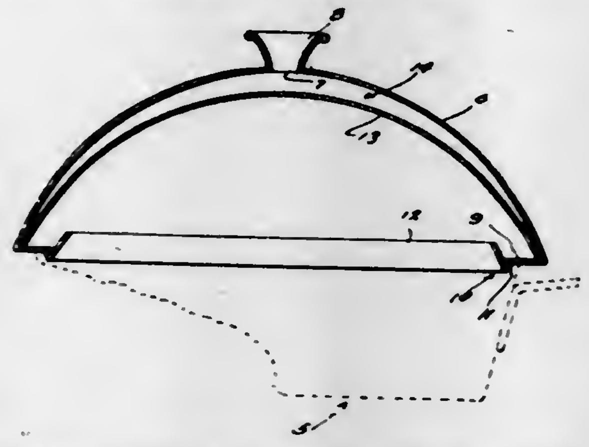
Lawrence A. Philipp, Detroit, Mich., assignor to Nash-Kelvinator Corporation, Detroit, Mich., a corporation of Maryland
Application May 31, 1944, Serial No. 538,161
3 Claims. (Cl. 62—102)



1. Refrigerating apparatus comprising a cabinet having insulated walls enclosing a storage compartment, article supporting means mounted in said compartment in vertically spaced apart relation, duct means extending across the rear wall, top wall, and bottom wall of said compartment and having its inlet end substantially midway between the top and bottom walls with an outlet at the top wall and another outlet at the bottom wall, a refrigerant evaporating element extending across said inlet end, air impelling means positioned immediately at the rear of said element and being arranged to cause air to move simultaneously toward said top and bottom walls through said duct means and out said outlets, and a motor positioned outside of said cabinet and being operatively connected with said air impelling means.

2,417,124
SAFETY LID FOR FRYING PANS AND THE LIKE

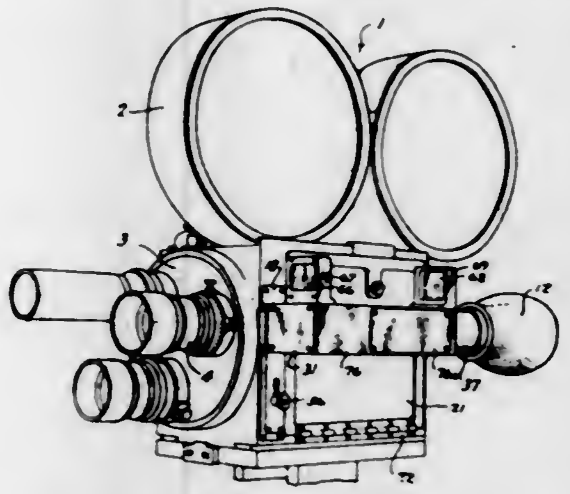
Milton Grady Ramsey, Los Angeles, Calif.
Application April 3, 1944, Serial No. 529,287
1 Claim. (Cl. 126—382)



In a frying pan lid construction of the class described, a substantially semi-spherical outer shell having an opening formed through its central crown portion, a funnel surrounding said opening and extending upwardly therefrom and serving as a handle for lifting the lid, the lower marginal edge of said shell being bent to form an annular inwardly projecting horizontal flange, said flange having its inner marginal portion bent downwardly and then upwardly to form an annular trough having downwardly converging inner and outer walls, the outer wall being narrow and the inner wall considerably wider and extending upwardly higher than the outer wall and the flange, and an inner shell disposed under the outer shell in spaced relation thereto, with its lower peripheral edge resting upon the flange and secured against the inner surface of the lower edge portion of the outer shell, said shells forming a water jacket adapted to be filled through the funnel and the opening of the outer shell.

2,417,125
CAMERA VIEW FINDER

Arthur E. Reeves, Los Angeles, Calif.
Application August 25, 1943, Serial No. 499,944
2 Claims. (Cl. 88—1.5)

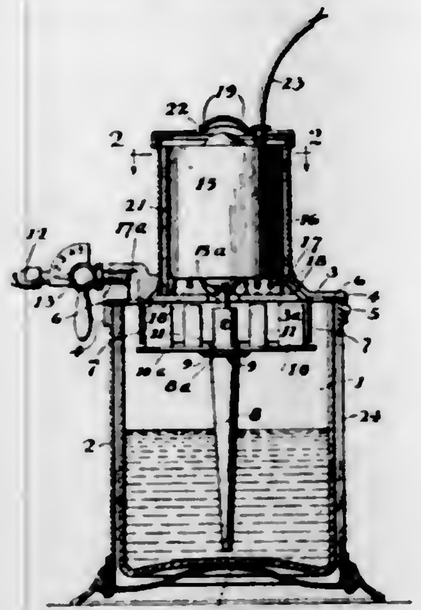


1. In a view finder for a camera having a lens for transmitting a beam to a photo-sensitive surface, a transparent member having a partially reflecting and partially transmitting portion as well as a clear portion, said member being interposed between the lens and the surface said reflecting and transmitting portion being arranged to reflect a portion only of the light from the beam in a direction transverse to the beam, means forming a viewing screen upon which an image may be formed by said reflected light, means supporting the viewing screen, comprising a supporting guide for the member, and means manually operable from the exterior of the camera for moving said member along the guide.

2,417,126
APPARATUS FOR VAPORIZING LIQUIDS

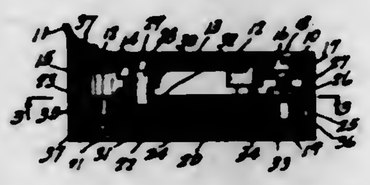
John J. Richards, Brookline, Mass., assignor to Ines I. Cragin, Brookline, Mass.
Original application September 26, 1941, Serial No. 412,439. Divided and this application July 19, 1944, Serial No. 545,685
2 Claims. (Cl. 261—91)

1. Apparatus for vaporizing ether or the like, comprising a container for the ether, a closure for said container having a depending annular flange, a centrally disposed aperture, and an outlet port between said flange and the wall of said container, a housing supported by said closure, an electric motor mounted in said housing in spaced relation to said housing, rotatable means connected to said motor through said aperture, said means comprising a member extending downwardly into the ether and having upwardly and outwardly inclined surfaces along which ether travels under the influence of centrifugal force as the member rotates and a fan housed by said flange to define a fan chamber, elevated ether being delivered to said disc member and outwardly therefrom against the wall of said container and against said flange to break up the elevated ether into fine particles, and said closure having passages leading from said fan chamber to said housing so that ether particles may flow upwardly into said housing to be heated by said motor and downwardly through said aperture.



2,417,127
ORTHOPEDIC HEEL FOR SHOES

Charles A. Roberts, San Antonio, Tex.
Application November 20, 1945, Serial No. 629,787
6 Claims. (Cl. 36—35)

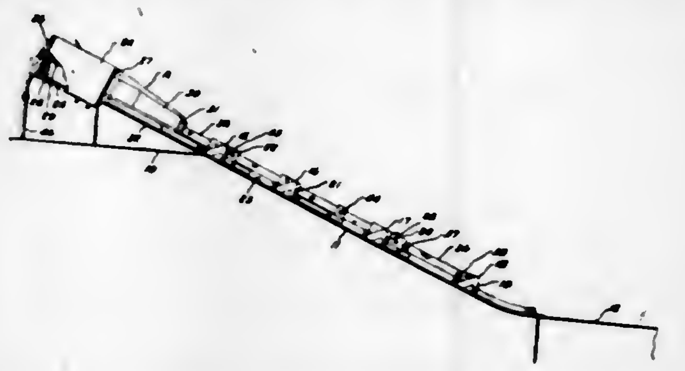


1. An orthopedic heel comprising a top plate attachable to the heel portion of a shoe, a member attachable to the said top plate and a top lift and supporting means therefor and adjusting means cooperative between said member and said supporting means for adjusting the top lift relative to the member either as to height or angularity; an encompassing wall of elastic material for said heel and stretchable to conform with the height of the heel at all points and maintain the outward appearance of a conventional heel irrespective of planar or angular adjustment.

2,417,128
COAL PUSHER

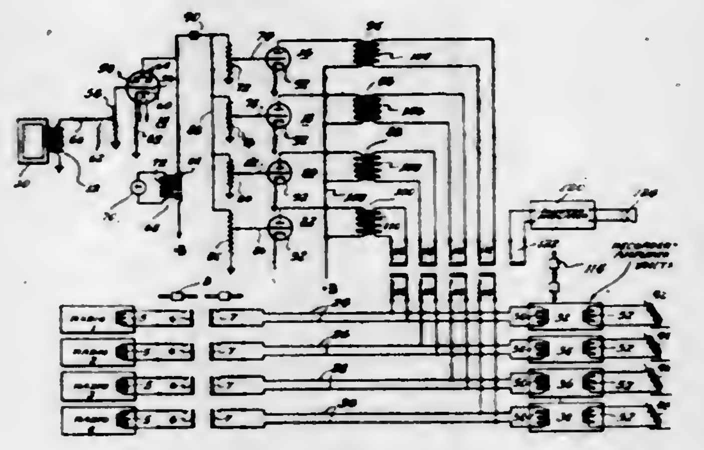
Frank P. Roesch, Chicago, Ill., assignor to The Standard Stoker Company, Inc., a corporation of Delaware
Application July 30, 1945, Serial No. 607,803
6 Claims. (Cl. 198—218)

1. A material pushing device comprising a reciprocating motor, a plurality of pusher members, and means operatively connecting said pusher members and said motor, said connecting means including fast connections between the motor and some of said pusher members for imparting motion to some of said pusher members for the full stroke of said motor and lost motion connections between the motor and the remaining pusher members for imparting motion to said remaining pusher members for a partial stroke of said motor.



2,417,129
SIMULTANEOUS RADIO PROGRAM AND TIME SIGNAL RECORDING SYSTEM

Hugo L. Rusch, Winnetka, Ill., assignor to A. C. Nielsen Company, Chicago, Ill., a corporation of Illinois
Application October 4, 1944, Serial No. 557,145
5 Claims. (Cl. 179—100.1)



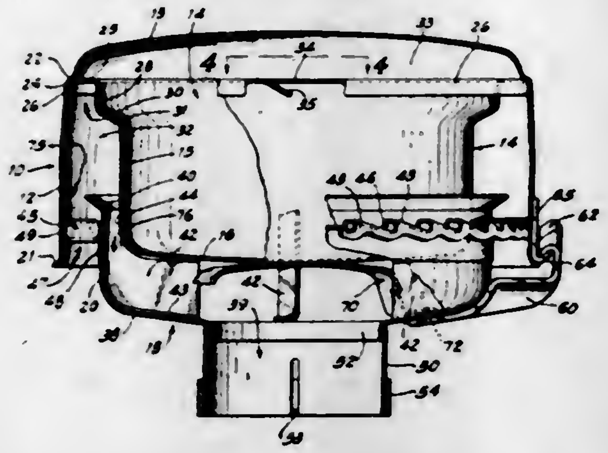
1. Time record producing apparatus, including in combination, means for producing a time signal, means including a plurality of individual amplifiers each supplied with said signal for producing a plurality of separate amplified time signals corresponding to said first mentioned time signal, means for selectively superimposing said separate time signals electrically upon a selected received radio program, and means for recording the superimposed time signal and radio program.

2,417,130
AIR CLEANING APPARATUS

Kenneth F. Russell, Claremont, Calif., assignor, by direct and mesne assignments, to Herman H. Garner, Claremont, Calif.
Application April 10, 1944, Serial No. 530,291
12 Claims. (Cl. 183—91)

1. An air cleaner, comprising: a hood having cylindrical walls and an enclosing top wall; a dust cup within and connected to said hood having walls substantially parallelling said cylindrical walls of said hood and spaced therefrom forming an annular air chamber; an annular flange on said cup engaging said cylindrical walls of said hood and overhanging a portion of said air chamber; annular air deflecting walls carried by said cup walls and overhanging another portion of said air chamber; short cylindrical walls connected with the peripheral portions of said de-

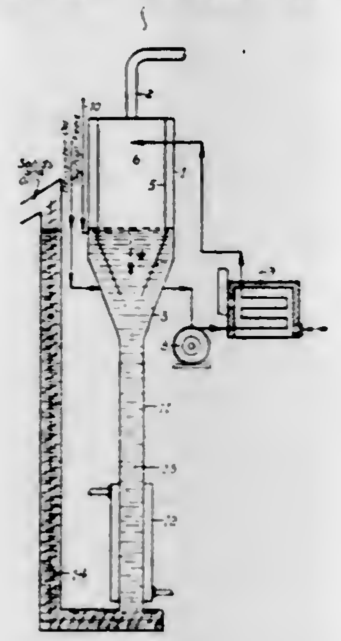
flecting walls and joining the inner edge of said flange with said deflecting walls, thereby forming a relatively narrow sheltered annular air zone between said short cylindrical walls and adjacent



walls, there being a dust passage from said zone into said dust cup; and means for directing air into said air chamber and means for directing air from said air chamber.

2,417,131
DISTILLATION OF POLYHYDRIC CONCENTRATE WITH COOLING OF SOLID RESIDUE

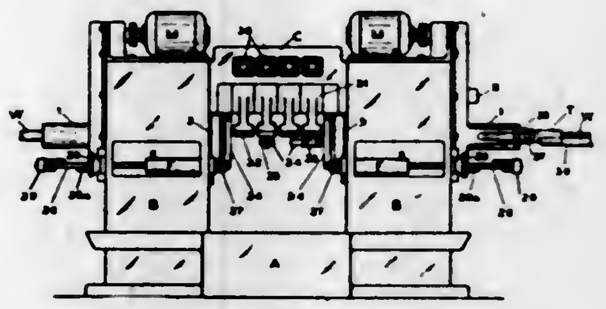
Robert O. Schmitt, Louisville, Ky., assignor to Joseph E. Seagram & Sons, Inc., Shively, Ky., a corporation of Indiana
Application December 5, 1944, Serial No. 566,758
7 Claims. (Cl. 202—70)



1. An improvement in the method of separating the liquid and solid phases of concentrates having polyhydric organic compounds in liquid phase and solids which become plastic and sticky when sufficiently heated wherein the concentrate is fed to a non-boiling bath of hot liquid, such as oil, having a temperature causing the concentrate liquids to flash distill and the property of being substantially immiscible with the concentrate liquids and having a specific gravity causing the concentrate solids to settle and the property of being incapable of appreciably dissolving the solids comprising: feeding the concentrate to the upper portion of a tall bath of the said bath liquid; and maintaining the upper portion of said bath at the flash distilling temperature and the lower portion of said bath at a temperature below that at which the solids become sticky, plastic and tend to agglomerate.

2,417,132
MACHINE TOOL

John H. Schreiber, St. Louis, Mo.
Application February 1, 1943, Serial No. 474,239
11 Claims. (Cl. 82—2)



8. In a machine tool of the class described which includes a pair of spaced working heads, a spindle mounted in each of said heads for relative longitudinal movement, means for selectively moving said spindles, and a work supporting chuck carried by each of said spindles in opposed axial alignment, a tool carrier support, a tool carrier pivotally mounted thereon for rocking movement into and out of the path of longitudinal movement of said spindle, and means for moving said tool carrier to selected adjustment.

2,417,133
ELECTRODEPOSITING AND HEAT-TREATING MOLYBDENUM-OXYGEN DEPOSITS

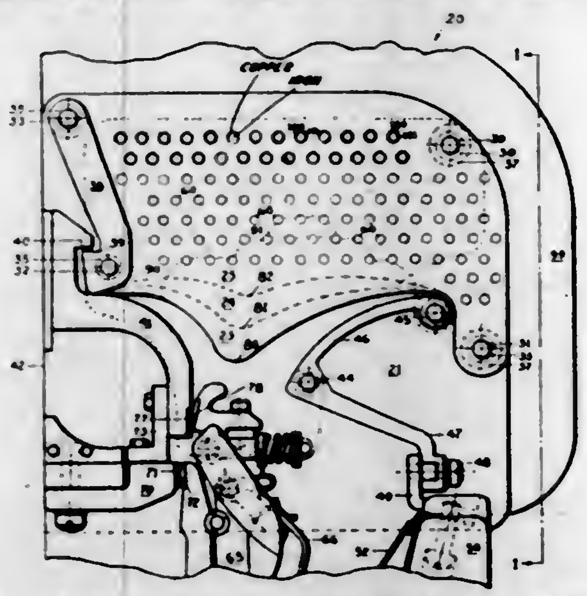
Ernest W. Schweikher, Cleveland Heights, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 23, 1940, Serial No. 366,886
4 Claims. (Cl. 204—37)

1. In a process for the production of an adherent, abrasion-resistant electrodeposit, the steps comprising electrodepositing a cathode deposit of an oxygen compound of molybdenum at a current density of about from 1 to 15 amperes per square foot from an aqueous acid bath including boric acid, a soluble nickel compound, and a soluble molybdenum compound selected from the group consisting of sodium molybdate, potassium molybdate, ammonium molybdate, and molybdic oxide, the amount of molybdenum present, calculated as metal, being from 7 to 150 grams per liter, and heating the deposit to a temperature of about from 90 to about 400° C.

2,417,134
ARC CHUTE

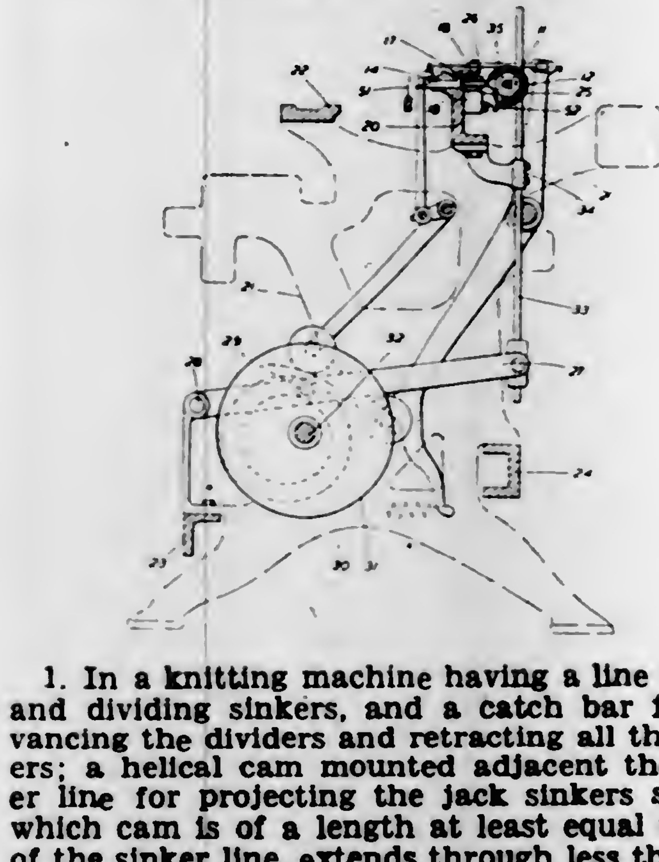
William M. Scott, Jr., Bryn Mawr, Pa., assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 12, 1945, Serial No. 572,553
4 Claims. (Cl. 200—147)

1. An arc chute comprising means for drawing an arc; means for moving the arc into the chute; and arc extinguishing means within the arc chute; said means for moving the arc into the chute comprising a plurality of ferrous pins extending transverse to the arc path substantially remote from the point of entry of the arc into the arc chute; a pair of ferrous plates on either side of the arc chute coacting with said transverse ferrous pins to form a U-shaped magnetic path; a plurality of insulating plates extending in planes parallel to the path of the arc, said insulating plates supporting said transverse ferrous pins in spaced relation to each other.



2,417,135
KNITTING MACHINE

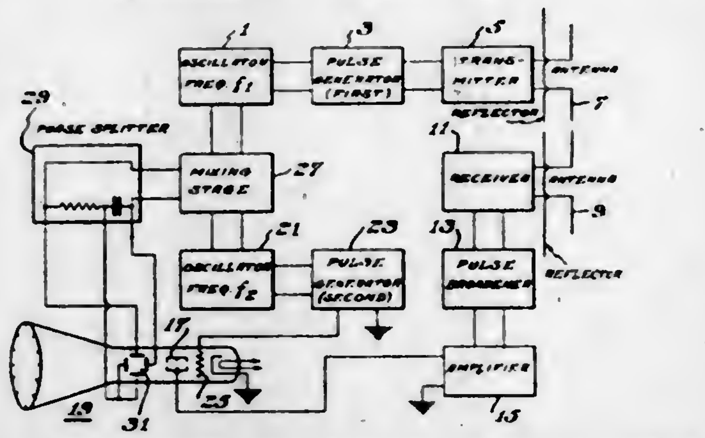
Arthur Shortland, Leicester, England, assignor to Mellor Bromley and Co. Limited, Leicester, England
Application March 22, 1943, Serial No. 480,073
In Great Britain December 31, 1941
3 Claims. (Cl. 66—110)



1. In a knitting machine having a line of jack and dividing sinkers, and a catch bar for advancing the dividers and retracting all the sinkers; a helical cam mounted adjacent the sinker line for projecting the jack sinkers serially, which cam is of a length at least equal to that of the sinker line, extends through less than one complete turn whereby it is provided with an ineffective portion and comprises a cam drum provided with a series of circumferential grooves and a series of cam elements disposed side by side in said groove in helical form; and means for circumferentially moving said cam as a whole about its longitudinal axis, first in one direction to project the jack sinkers serially from one end of the line and then to become inoperative, and then in the reverse direction to project the jack sinkers serially from the other end of the line and to become inoperative again, whereby the catch bar subsequent to the advance of the sinkers may retract all the sinkers during each inoperative phase of the cam.

2,417,136
RADIO PULSE ECHO SYSTEM

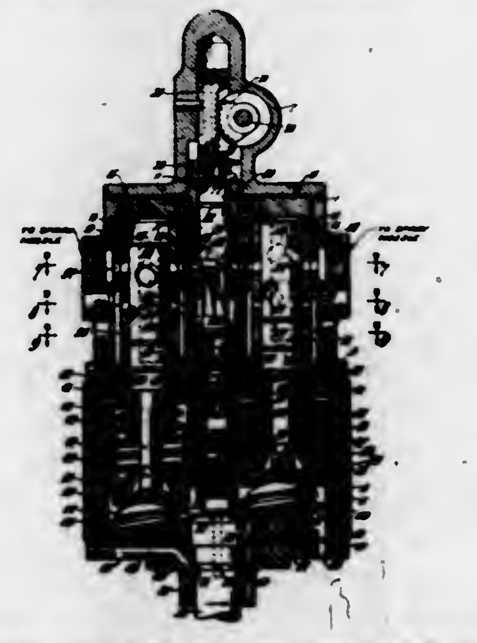
Rogers M. Smith, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 18, 1940, Serial No. 324,709
6 Claims. (Cl. 250—1.66)



2. A radio pulse echo system including means for transmitting pulses of radio frequency energy at a constant rate, means for receiving and demodulating said transmitted pulses after reflection, said demodulating means including an output circuit for said demodulated pulses, a normally inoperative indicator including an electron beam tube having at least two ray intensity control elements, means coupling one of said control elements of said tube to said demodulating means output circuit for applying said demodulated pulses to said tube, and means coupled to the other of said control elements of said tube for keying on said indicator at a phase varying with respect to said constant rate.

2,417,137
FUEL PUMP INJECTION

Warren H. Smith, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 22, 1944, Serial No. 536,711
9 Claims. (Cl. 103—41)

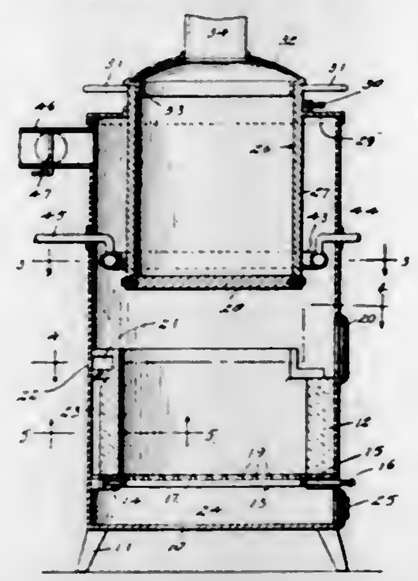


1. A fuel injection pump comprising a pump cylinder, a plunger therein, means for reciprocating and rotating said plunger in timed relation in said cylinder, said cylinder and plunger having cooperating fuel inlet ports and fuel outlet ports and a by-pass valve rotating in timed relation with said plunger and connected to a cylinder outlet port to open and close said outlet port in order to control periodic discharge of pressure from another cylinder outlet port.

2,417,138

STOVE WITH INTERNAL AIR CHAMBER

August F. P. Stenzy, Baltimore, Md.
Application September 10, 1943, Serial No. 501,857
2 Claims. (Cl. 126—70)

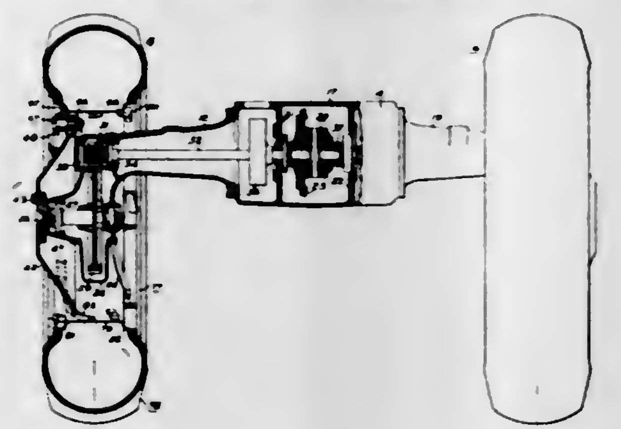


1. A stove of the class described having a casing, a pot disposed in the upper portion thereof and relatively large with respect to the casing, and means to heat said pot, a smoke-discharge flue leading from the casing at one side of the pot relatively close to the top of the casing, and a circular generator about the lower portion of the pot, said pot being adjustable in the casing relatively to its firepot and to the generator and flue.

2,417,139

VARIABLE WHEEL TREAD VEHICLE

Walter F. Strehlow, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application February 19, 1945, Serial No. 578,582
38 Claims. (Cl. 180—75)

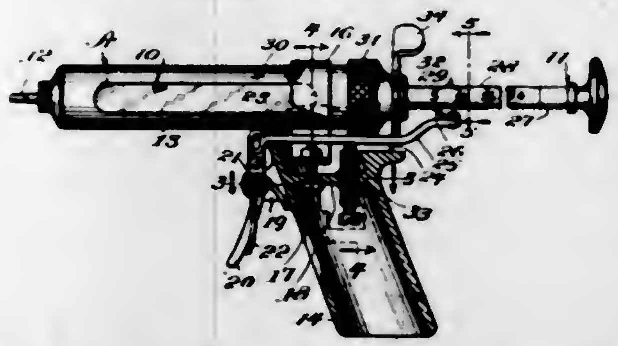


31. In a tractor having a pair of transversely spaced propelling wheels and an upwardly arched axle structure in the space between said wheels, the combination of a pair of power driven elements forming radial inner parts, respectively, of said supporting wheels and rotatably mounted at a predetermined axial spacing from each other on depending side portions of said axle structure and extending vertically beyond the upper ends of said depending side portions, a pair of annular elements forming outer parts, respectively, of said supporting wheels, and means at opposite sides, respectively, of said tractor for operatively mounting said outer wheel parts on their associated inner wheel parts in rotatable and axially shiftable relation thereto, each of said means comprising shift means associated with the respective inner wheel part and its associated outer wheel part and operable by rotation of said inner wheel part relative to said outer wheel part to widen and shorten the axial spacing between said outer wheel parts, and releasable locking means operable to secure the respective inner and outer wheel parts together for rotation in unison with each other in opposite directions after said outer wheel parts have been adjusted to relatively short or wide axial spacings from each other.

2,417,140

VACCINATING GUN

Francis J. Swanson, Saratoga, Wyo.
Application April 17, 1945, Serial No. 588,817
4 Claims. (Cl. 128—224)

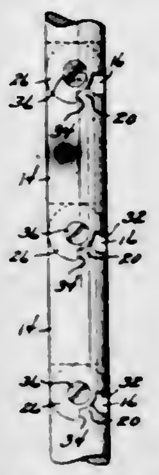


1. A gun of the kind described, comprising a barrel, a plunger working within the barrel and having a stem provided with a toothed rack, a handle grip carried by the barrel, a pull trigger pivoted to the grip and having a sear engageable with the rack for moving the plunger, a gasket cap mounted on the end of said barrel, and cam means mounted on the gasket cap on the end of the barrel through which the plunger operates for releasing the sear from the rack.

2,417,141

BINDER POST

William W. Syfert, Madras, Oreg.
Application April 17, 1943, Serial No. 483,420
1 Claim. (Cl. 129—41)

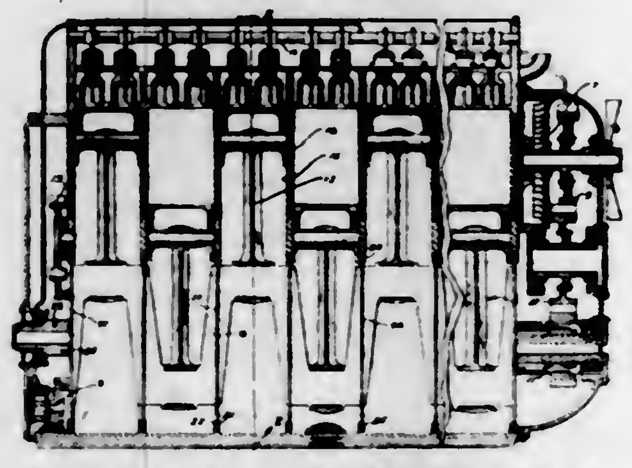


In a connector for a loose leaf binder having a pair of covers, said connector being composed of a series of articulated links, means rigidly securing the first link of said series to one of said covers, means loosely connecting the last link of said series to the other of said covers, each link consisting of an elongated member of circular cross section, the articulated portions of adjacent links consisting of a male element extending from an end of each link and having a curved end and a pivot opening, curved shoulder portions on each link on opposite sides of said male member, a lug portion on each link on opposite sides of said male member and terminating each of said shoulder portions, a pair of spaced fingers extending from an adjacent end of an articulated link and adapted to engage the sides of said male member, said fingers having aligned apertures of different predetermined diameters, one of said apertures being threaded, a pivot pin having stepped cylindrical portions, one of said portions being threadedly secured in said threaded aperture and the other of said portions pivotally engaging said male member pivot opening for pivoting together adjacent links, said fingers being provided with notches straddling said lugs for limiting relative pivotal movement between adjacent links, the ends of said fingers having curved portions corresponding to and slidably engaging the curved shoulder portions on opposite sides of said male member.

2,417,142

ENGINE

Stanley Tatar, Detroit, Mich.
Application June 26, 1944, Serial No. 542,101
2 Claims. (Cl. 123—59)



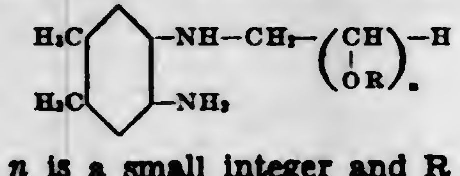
1. In an engine of the class described, a crank shaft; reciprocating pistons for driving said crank shaft; a connecting rod connecting each of said pistons with a crank of said crank shaft; a pair of crank arms at each of the cranks of said crank shaft; a circular disk formed integral with each of said crank arms; a crank case enclosing said disks; a pair of rings mounted on opposite faces of each of said disks and projecting in spaced relation to each other beyond the periphery of the disk; a bearing ring embraced by said first mentioned rings; a second bearing ring concentric to and embracing said first mentioned bearing ring, in spaced relation thereto and embedded in said crank case; and anti-friction members positioned between and engaging opposed faces of said bearing rings.

2,417,143

1-POLYACYLOXYALKYLAMINO - 2 - AMINO-4,5 - DIMETHYLBENZENE AND PROCESS FOR PREPARING THE SAME

Max Tishler, Rahway, N. J., and John W. Wellman, Cleveland Heights, Ohio, assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Orig'nal application March 21, 1940, Serial No. 325,182. Divided and this application October 30, 1941, Serial No. 417,136. In Canada January 13, 1941
7 Claims. (Cl. 260—211)

2. A compound represented by the formula:



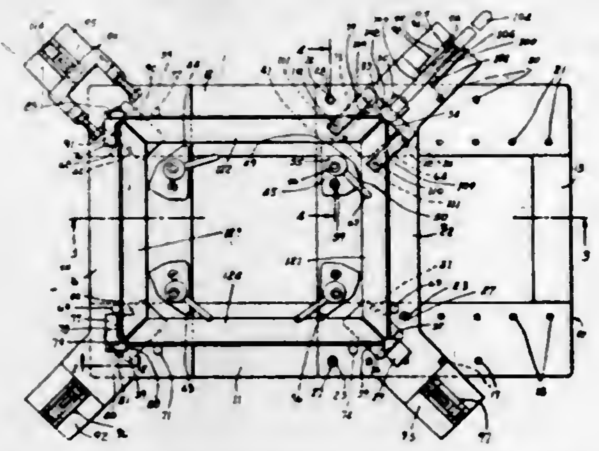
$$(\mathrm{H_3C})_2\mathrm{C_6H_2}(\mathrm{NH_2})-\mathrm{NH}-\mathrm{CH_2}-\left(\begin{array}{c}\mathrm{CH}\\ |\\ \mathrm{OR}\end{array}\right)_n-\mathrm{H}$$

wherein *n* is a small integer and R is an acyl group.

2,417,144

ARTICLE HOLDING FIXTURE

Charles H. Trimble, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application October 19, 1943, Serial No. 506,853
8 Claims. (Cl. 113—99)

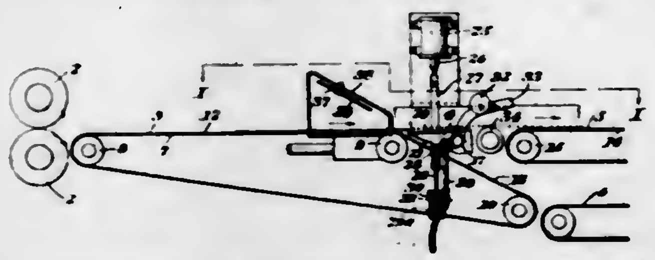


1. An article assembling fixture which comprises a pair of side frame members secured together in parallel relationship, an end frame member rigidly secured to the parallel members, a second end frame member adapted to be adjustably secured to the parallel members in a plurality of positions, each of said end frame members having recesses formed therein, copper plates secured in said recesses upon which plates portions of parts to be welded together may be positioned, aligned gauging pins secured to the frame members, a plurality of gauges secured to the first mentioned frame, each of which gauges has a resilient member mounted thereon, gauges secured to the second frame, a plurality of cam means secured to the frames to force a plurality of angle irons to be secured together against the gauging pins, and clamping means to force the angle irons against the end frames.

2,417,145

APPARATUS FOR HANDLING AND SEPARATING SHEETLIKE MATERIAL

William Arthur Ward, New Cumberland, W. Va., assignor to National Steel Corporation, a corporation of Delaware
Application August 3, 1944, Serial No. 547,962
10 Claims. (Cl. 198—81)

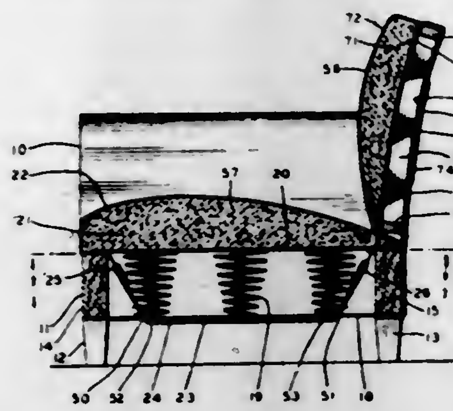


1. Apparatus for handling and separating sheet-like material comprising conveying mechanism for supporting and conveying the sheet-like material, said conveying mechanism having a movable portion for carrying the sheet-like material without relative movement between the material and the movable portion, a gate, means for supporting the gate adjacent the normal path of travel of the sheet-like material on said conveying mechanism and in a position normally to be traversed by said sheet-like material, means for moving the gate into the path of travel of said material to deflect it from its normal path, and means for blowing a fluid against that face of the sheet-like material which is opposed to the gate

to partially control the movement of said material as it is carried past the gate by the conveying mechanism when the gate is in non-deflecting position.

2,417,146
FURNITURE SEAT CONSTRUCTION

Murray Weingarten, New York, N. Y.
Application October 11, 1943, Serial No. 505,722
10 Claims. (Cl. 155—179)



1. Furniture construction for use by an occupant, comprising: a frame; a platform connected to said frame; a flexible base connected to said frame; load transmitting means disposed between said platform and said base; a support unit including a flexible body having an orifice of predetermined size; said base resting on said flexible body; a compressible spring larger than said orifice so as to be incapable of passing through the orifice, said spring having inner and outer portions and being engaged at the outer portion thereof with said flexible body at said orifice; an elongated frame attaching element connected at one end thereof to said frame; said frame attaching element at a portion thereof which is spaced from its said end penetrating said orifice in the flexible body and penetrating said spring and engaging inner portions of said spring; and means to prevent disconnection of said spaced portion of the frame attaching element from said inner portions of the spring; whereby the weight of the occupant on the platform is transmitted to the base which is moved downwardly causing the flexible body which carries said base to move away from the frame, the frame attaching element having a restraining action on said spring and thereby causing a compression of said spring against said flexible body.

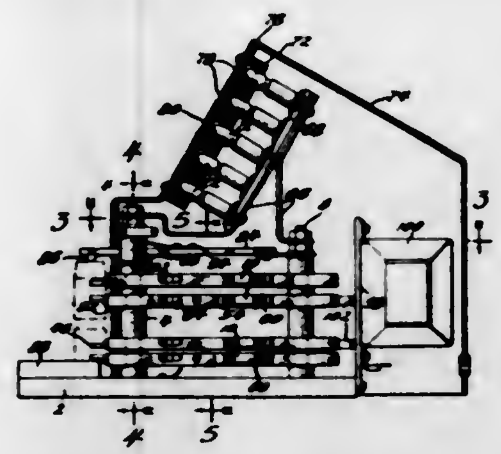
2,417,147
TREATMENT OF THE SURFACE OF GLASS TO REDUCE THE PROPORTION OF INCIDENT LIGHT REFLECTED THEREBY

Arthur Roland Wood, St. Helens, England, assignor to Pilkington Brothers Limited, Liverpool, England, a British company
No Drawing. Application April 18, 1944, Serial No. 531,638. In Great Britain June 21, 1943
5 Claims. (Cl. 117—124)

2. Process of coating a glass surface with a siliceous layer to reduce the proportion of incident light reflected from the surface, consisting in forming a built up layer on the glass by repeatedly wetting the surface with a solution of silicon tetrachloride in carbon tetrachloride having the strength of 1% by volume of silicon tetrachloride, exposing each coating as produced to the atmosphere until it is dry, and rubbing each dried coating until it is bright, before commencing the next wetting operation.

2,417,148
DIMENSION GAUGING MEANS

Manfred G. Wright, Kokomo, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 2, 1943, Serial No. 497,015
8 Claims. (Cl. 33—174)



1. In gauging means, an insulating support having an elongated opening therein, a bendable strip having one end rigidly secured to the support located in the opening, means to apply axial pressure to the strip mounted on its free end whereby it will assume different degrees of arc bowing dependent upon the pressure and movement and adjustable contacts mounted on opposite sides of the strip at an intermediate point and in alignment with each other whereby switching means is formed.

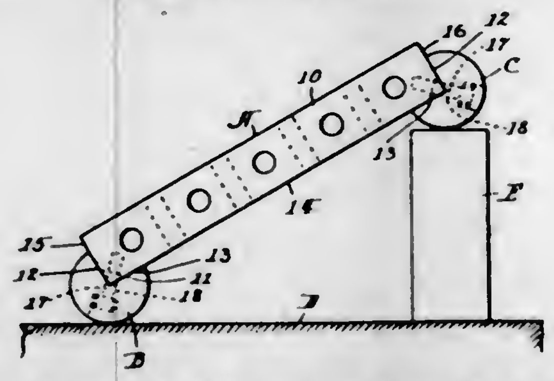
2,417,149
SEWING FRAME

Elaine Beaton, Chicago, Ill.
Application April 23, 1946, Serial No. 664,273
4 Claims. (Cl. 223—110)

1. A sewing frame comprising, a frame-work, a bottom slidably secured to the said frame-work, a transparent window secured at the top of said frame-work, lighting means interchangeably secured below the said window, spring-actuated clamping means secured to the said frame-work and disposed on opposite sides thereof, a switch secured to the said frame-work, electrical connecting means connecting the said switch to the said lighting means, and secondary electrical connecting means secured to the said switch adapted to be connected to an electrical source of supply.

2,417,150
SINE BAR

Ernest A. Berry, Inglewood, Calif.
Application April 25, 1945, Serial No. 590,244
2 Claims. (Cl. 33—174)



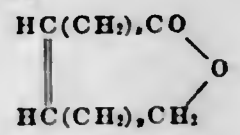
1. In a sine angle device, a rectangular body having a fiducial plane surface and a pair of transverse ends, each end surface and the lower side of said body forming two positioning angle planes, two cylindrical sine angle rollers of equal diameter on the under side of said body, each of said rollers being notched longitudinally in its side, and each notch having right dihedral angle planes coinciding with said positioning planes at each end of said body, and means for fastening said rollers with the ends of said body secured in said notches.

2,417,151
COMPOSITION OF MATTER WITH A SCENT OF AMBRETTOLIDE AND PROCESS OF MAKING SAME

Charles Collaud, Geneva, Switzerland, assignor to Givaudan-Delawanna Inc., New York, N. Y., a corporation of New Jersey
No Drawing. Application April 25, 1942, Serial No. 440,474. In Switzerland May 2, 1941
11 Claims. (Cl. 260—344)

1. A new composition of matter having an ambrettolide-like odor, comprising a mixture of unsaturated large-ringed lactones isomeric with ambrettolide, said mixture being a colorless liquid which distills entirely between 118° and 120° C. under a pressure of 0.25 mm. of Hg, and which has a density of 0.960 at 20° C., a refractive index $n_D^{20}=1.480$, and a saponification number equal to 220.4.

3. A mixture of synthetic isomeric lactones each having the formula



$$\begin{array}{l} \mathrm{HC(CH_2)_xCO} \\ \| \qquad\qquad\qquad \mathrm{O} \\ \mathrm{HC(CH_2)_yCH_2} \end{array}$$

in which $x+y=12$.

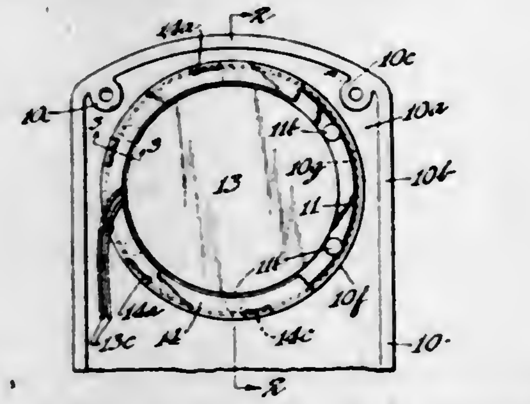
2,417,152
OIL WELL SCREEN

Donald B. Collins, deceased, late of Houston, Tex., by Bessie May Collins, executrix, Houston, Tex., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application March 14, 1944, Serial No. 526,397
3 Claims. (Cl. 166—8)

1. A well screen comprising an outer tubular member having undercut inwardly diverging slots therethrough, and an inner member adapted to be inserted within said outer member, said inner member comprising a cylindrical straining surface formed of helically wound wire having a plurality of longitudinal spacing bars fixedly attached to the inner side thereof, said helically wound wire and one of said spacing bars being longitudinally split along the total length thereof, whereby said inner member is forced into firm contact with the inner walls of the outer member by the expanding spring action of said wires.

2,417,153
RESILIENT MOUNTING FOR MICROPHONES

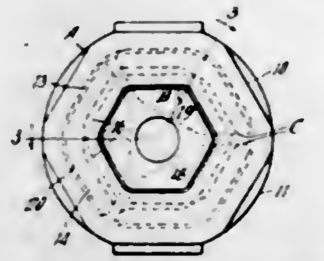
Harold W. Darr, Minneapolis, Minn., assignor to The Maico Company, Incorporated, Minneapolis, Minn., a corporation of Minnesota
Application October 13, 1944, Serial No. 558,587
11 Claims. (Cl. 179—146)



1. A mounting structure for a microphone having in combination, a casing, a microphone within said casing, a resilient member supported by said casing and supporting said microphone, said member having a small area normally engaged by said casing and a larger area engaged by said casing upon vibration of said casing.

2,417,154
FRICTION SHOCK ABSORBER

George E. Dath, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application October 18, 1943, Serial No. 506,627
2 Claims. (Cl. 213—24)

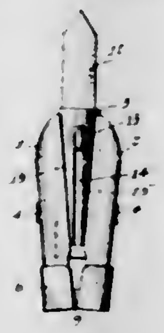


1. In a shock absorber, the combination with a casing having a friction shell section at one end and a spring cage section at the other end; of a friction clutch slidingly telescoped within the friction shell section of the casing, said clutch including a wedge having shouldered engagement with the casing to limit outward movement of the former; a cup-shaped cap closing the spring cage end of the casing, said cap being telescoped within said spring cage end of the casing, said cap normally projecting outwardly beyond the spring cage end of the casing and being displaceable inwardly flush with the rear end of said casing in service, and further displaceable inwardly beyond the spring cage end of the casing when the mechanism is being assembled, said casing having circumferentially spaced, longitudinally extending

guide channels at the rear end of the spring cage section, and inwardly extending, circumferentially spaced stop flanges closing the rear ends of said respective guide channels; and spring means within the casing bearing at its front and rear ends on said clutch and cap, respectively, said cap having laterally projecting, circumferentially spaced guide lugs at its inner end, corresponding in number to the guide channels of said casing, said guide lugs of the cap being of a size to pass freely through the spaces between said guide channels when said cap is turned to align said lugs with said spaces, said cap, in the assembled condition of the cap and casing, being telescoped within the casing with the lugs of the cap engaged with and guided by said channels to hold said cap against rotation with respect to the casing with the lugs thereof aligned with the stop flanges of the casing, said cap having its outward movement with respect to the casing limited by engagement of said lugs with said flanges, said guide channels being of a length to retain said guide lugs of the cap therein when the cap is in position with its rear extremity flush with the rear end of the spring cage section of the casing, said cap, in assembling the same with the casing, being displaceable inwardly to an extent to bring the lugs to a position inwardly beyond and clear of the inner ends of said channels to permit rotation of the cap to align the lugs thereof with said channels.

2,417,155
LIPSTICK HOLDER

Jan de Swart, Los Angeles, Calif., assignor, by mesne assignments, to Shellmar Products Corporation, Mount Vernon, Ohio, a corporation of Delaware
Application December 27, 1943, Serial No. 515,773
9 Claims. (Cl. 206—56)

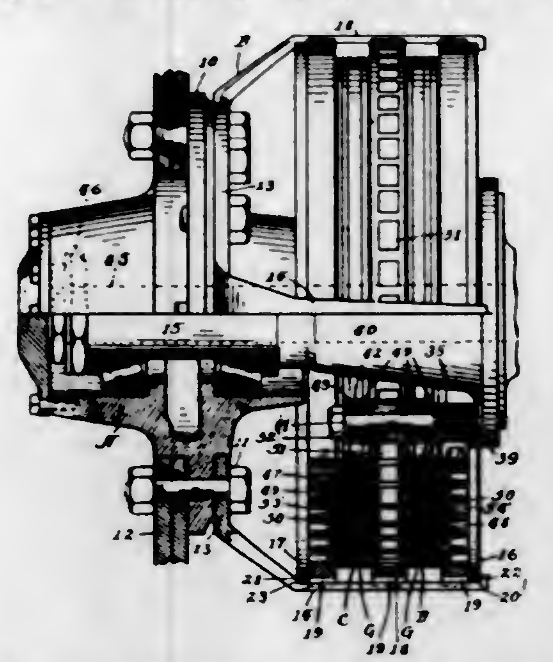


1. In an article of the class described, complementary outer shells having one end enclosed by a cap, the walls of said cap being split on the line parallel with the division between the shells, said split cap acting as a spring to maintain said shells together, a tube slidable in and out of said shells and spreading said shells by contact of the shells with the sides of said tube, and a lipstick slidably carried in said tube.

2,417,156
FLUID ACTUATED BRAKE

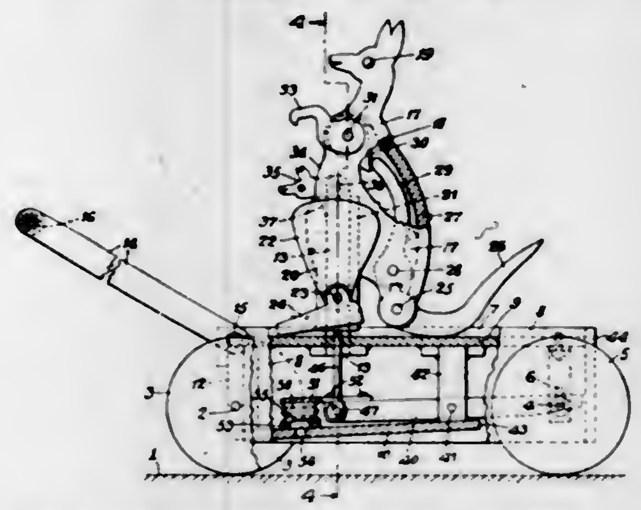
James T. Dickson, Los Angeles, Calif.
Application February 9, 1945, Serial No. 577,075
4 Claims. (Cl. 188—72)

1. A brake structure, comprising, a stationary axle element, a driven wheel structure removably mounted upon said axle element and journaled to revolve freely about its axis, an annular spider having a transverse base mounted upon said wheel structure and revoluble coaxially therewith and a plurality of arms extending longitudinally from said base and to the axis of the wheel structure and spaced circumferentially apart, a brake unit between the arms of said spider and coaxial with said wheel structure and axle element, a split lock ring removably engaged within the outer ends of said arms to removably retain the brake unit engaged by said arms, said brake unit having a driven element anchored to said wheel structure to revolve therewith, a companion brake retarding element anchored to said stationary axle element and a fluid pressure applicator interposed between said brake driven and retarding elements.



2,417,157
KANGAROO TOY

Stanley A. Duvall, Chicago, Ill.
Application March 8, 1945, Serial No. 581,599
11 Claims. (Cl. 46—123)

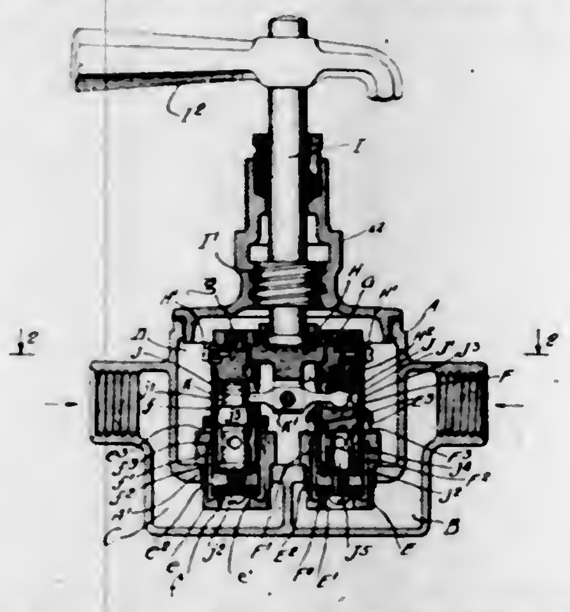


1. In a toy, a platform, a body resembling a kangaroo and having a forward aperture, means for imparting relative movement of the body and the platform, an element resembling the upper portion of a baby kangaroo movably mounted within said body and means for imparting relative movement to the body and the element and for thereby simulating the movement of the head of a baby kangaroo out of and back into the pouch of a mother kangaroo.

2,417,158
MIXING VALVE

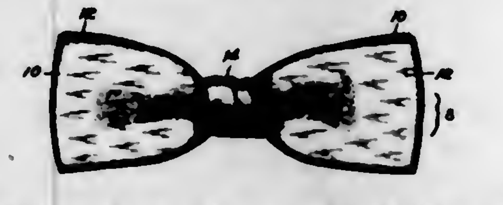
James Fraser, Wilmington, Del., assignor to Speakman Company, Wilmington, Del., a corporation of Delaware
Application May 16, 1945, Serial No. 594,074
6 Claims. (Cl. 277—18)

1. A mixing valve comprising a casing structure having a mixing chamber, separate hot and cold fluid supply chambers, and separate side by side hot and cold fluid valve chambers, each having an inlet port at one end, said valve chambers being respectively connected to the hot and cold fluid supply chambers by their respective inlet ports, each valve chamber having an outlet port displaced longitudinally of the chamber from its said inlet port and opening into said mixing chamber, an axially movable valve member in each valve chamber having an end portion which closes and opens the said inlet port of the chamber as the valve member is moved toward and away from said port, valve operating means to which the end of each valve member remote from said inlet port is connected and which is operable to simultaneously move the two valve members axially in their respective valve chambers in the same direction away from said inlet ports to open the latter, and in the return direction to close said inlet ports, each valve member being formed intermediate its ends with a fluid space in communication with the inlet port of the corresponding valve chamber when the last mentioned valve member is out of its closed position and so disposed relative to the outlet port of the corresponding valve chamber that as the valve members are simultaneously moved in the same axial direction, communication between the said space in one valve member and the associated outlet port is reduced and communication between the said space of the other valve member and associated outlet port is increased, and pressure regulating means jointly responsive to the fluid pressures in said valve spaces and regulating the passage of fluid to each space from the corresponding inlet port, when said inlet ports are open as required to maintain said pressures in approximately constant proportion.



2,417,159
MADE-UP BOW TIE

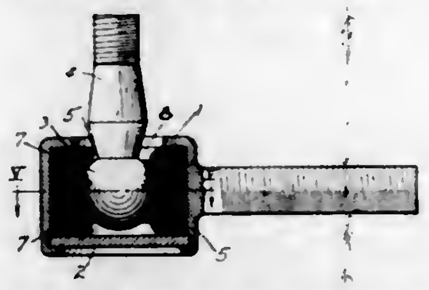
Israel A. Gamer, Boston, Mass.
Application July 24, 1945, Serial No. 606,799
3 Claims. (Cl. 2—151)



1. A made-up bow tie comprising strip material folded to provide an end and a loop on each side and an encircling band which encircles the central portion of the folded strip in a single turn and constricts it to simulate the nexus of an actual bow, said band comprising a thickness of the tie fabric and a lining both as a double thickness being folded to provide margins of the band, the middle portion of the band being transversely compressed to provide a fullness therein where it crosses the front of the tie.

2,417,160
TIE ROD SOCKET BEARING

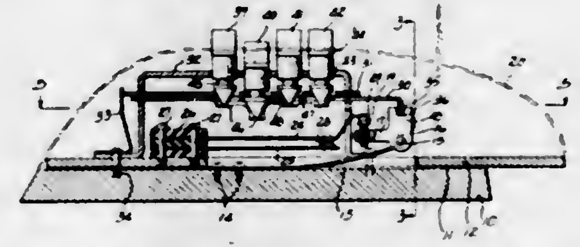
Matthew P. Graham, Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application July 22, 1944, Serial No. 546,089
4 Claims. (Cl. 287—90)



3. A ball and socket joint comprising a housing, a stud having a ball-like member at the end thereof, annular resilient bushing members in said housing substantially coaxial with said stud, each bushing member having a recess of partially spherical contour cooperating with the recess of the companion bushing member to receive the ball-like member therein, a plurality of relatively movable bearing sections of relatively hard material carried by each bushing member in its recess, said bushing members being radially loaded between said ball-like member and said housing to urge said bearing sections into bearing relation against said ball-like member to compensate for wear.

2,417,161
PUSH-BUTTON SWITCHING APPARATUS

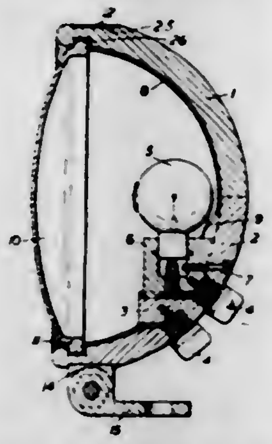
George E. Hanner, Mansfield, Ohio, assignor to Dominion Electrical Manufacturing, Inc., a corporation of Ohio
Application September 15, 1943, Serial No. 502,473
13 Claims. (Cl. 200—138)



1. In an electrically heated device having a temperature responsive device, the improvement of switching apparatus for controlling the electrically heated device, said improvement comprising a switch adapted to open and close a circuit to the electrically heated device, motion transmitting means actuated by said temperature responsive device for controlling the switch, and means for modifying the motion transmitting means to change the temperature at which the switch is operated, said motion transmitting means comprising an extension lever interconnecting the temperature responsive device and the switch, said lever being pivotally connected to the temperature responsive device and having an arm extending therefrom, said modifying means actuating the arm and changing the temperature at which the switch is operated, said modifying means comprising a slidably mounted

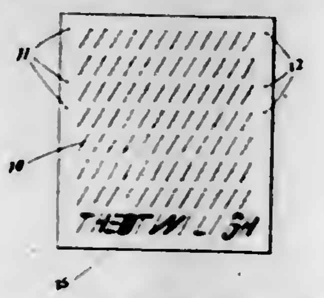
member having spaced portions and spaced push buttons engaging the spaced portions, each said spaced push buttons upon respectively engaging the spaced portions slidably moving the slidably mounted member to modify the extension lever.

2,417,162
MOTOR HEAD LAMP PLASTIC CASING
Reinhard Paul Henry Hinds, Petts Wood, England
Application July 24, 1943, Serial No. 496,028
In Great Britain July 24, 1942
1 Claim. (Cl. 240—41)



A unidirectional lamp comprising a plurality of cast hollow wall members having a substantial thickness, and seating portions on each member whereby when the various members are assembled together with the seating portions adjacent to one another there is formed a hollow lamp casing with an opening at one end, an internal channel in that portion of each of the wall members forming the open end, which channels when in alignment will form a continuous channel, a reflector having a peripheral rim adapted to seat in said continuous channel, a lens having a peripheral rim adapted to seat against the rim of the reflector which likewise is within said continuous channel, and an external constricting means engaging the outer portion of said hollow wall members adjacent to and in radial alignment with the internal continuous channel for holding the lens, reflector and hollow wall members in assembled relationship.

2,417,163
CODING AND DECODING APPARATUS
Tallmon E. Horst, Des Plaines, Ill.
Application February 28, 1944, Serial No. 524,332
1 Claim. (Cl. 35—2)

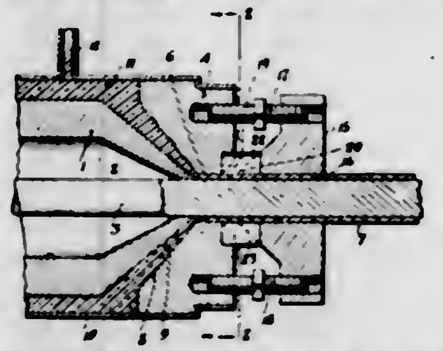


In combination, a substantially transparent sheet having a plurality of uniformly spaced parallel lines of uniform length and oriented in a substantially vertical direction and arranged in horizontal rows, and a second sheet adapted to register therewith and provided with partial letter characters selected from an alphabet whereof the letters have substantially vertical components which letter characters are complete except for the omission of one or more of said vertical components, said partial letter characters being characterized in form and spacing by a unit spacing between said omitted vertical components so that each one of a particular group of said parallel lines will be utilized to complete a corresponding group of said partial letter characters when said transparent sheet is placed in registry over said second sheet, whereby said second sheet can be utilized as a coded message, and said transparent sheet can be utilized as a decoding device.

2,417,164
HYDROCARBON SYNTHESIS
Harold E. Huber, Jr., Louisville, Ky., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application November 23, 1944, Serial No. 564,811
4 Claims. (Cl. 260—449.6)

1. The process for the production of gasoline hydrocarbons from hydrogen and carbon monoxide mixtures which comprises reacting a first mixture of hydrogen and carbon monoxide in the ratio of less than about 2:1 in the presence of a fluidized iron catalyst under a substantially superatmospheric pressure and a temperature of above about 400° F., removing the total reaction products from the said first stage, and recovering from said products a gaseous fraction including unreacted hydrogen and carbon monoxide, supplying the hydrogen and carbon monoxide in the ratio of about 2:1 to a second reaction stage, contacting the feed gases with a cobalt catalyst in said second stage and at substantially superatmospheric pressure and at a temperature of between about 340° and 500° F., withdrawing the reaction products and unreacted gases from said second stage, and recovering heavier-than-gasoline product fraction, a gasoline hydrocarbon fraction, and a gaseous fraction.

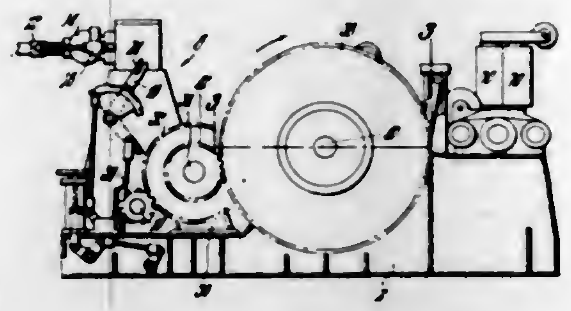
2,417,165
EXTRUSION APPARATUS AND METHOD
Victor Jacobson, Hastings on Hudson, N. Y.
Application April 18, 1944, Serial No. 531,531
9 Claims. (Cl. 18—14)



1. The method of extruding a thermo-plastic material which comprises extruding the hot plastic material through a forming die to form a finished article, interrupting the movement of the finished article away from the forming die while excess material is forced through the die, passing excess material flowing through the die into a relief opening, resuming the movement of the finished article away from the die, removing irregularities from the extruded product resulting from the interruption by shearing off the excess material, and passing the extruded product through a supplementary forming operation.

2. Apparatus for the extrusion of material in a plastic state which comprises a chamber for containing the material to be extruded under pressure, a first die through which the material is forced to flow from the chamber, a second die, said second die having its inlet opening spaced from the outlet opening of the first die to provide a space between said dies which forms a relief outlet for material forced from the first die opening when an extruding operation is interrupted.

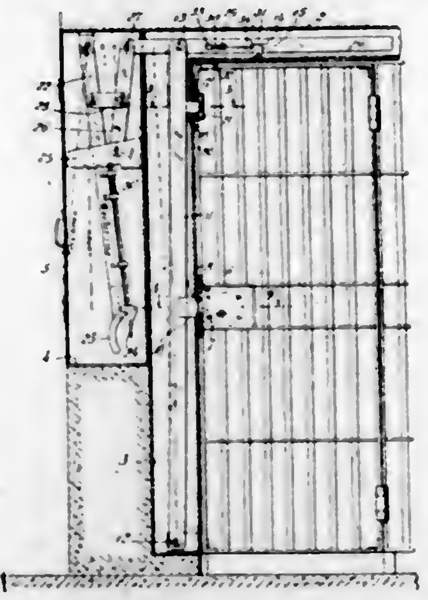
2,417,166
TOWING WINCH
Almon A. Johnson, Forest Hills, N. Y.
Application August 13, 1945, Serial No. 610,410
10 Claims. (Cl. 254—172)



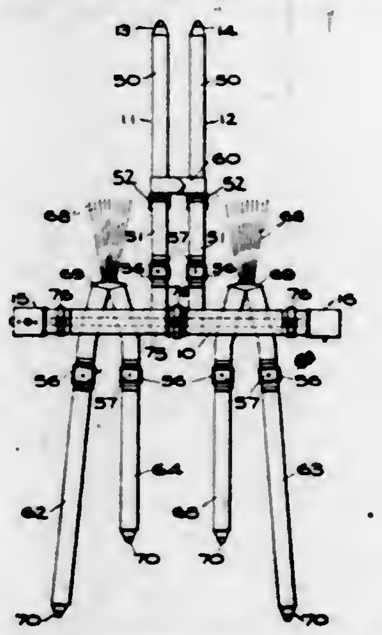
1. A winch of the class described comprising in combination a steam engine having a drive shaft rotatable in pay-out and heave-in directions and provided with a valve gear lever movable between neutral, pay-out and heave-in positions, electric brake mechanism associated with said engine shaft to hold the same against rotation and adapted when energized to release said shaft, a line-drum rotatable in pay-out and heave-in directions, gearing connecting said engine shaft and drum including a planetary system and having a brake-drum associated therewith, a brake-band frictionally engaging the brake drum, resisting means for the brake-band adapted to yield as the band is moved in paying out direction by the gearing and brake-drum when a strain on a line extending from the line-drum is sufficient to rotate said line-drum in pay-out direction and arranged to move the brake-band in heave-in direction when said strain subsides, a main valve for said engine having a stem rotatable between closed and open positions, an auxiliary valve by-passing said main valve, a solenoid connected to and adapted when energized to open said auxiliary valve, connections between said brake band and valve gear lever adapted to move the lever in opposite directions when the brake-band moves in opposite direction, means operable by said connections to energize said electric brake mechanism whereby said engine shaft may be rotated in pay-out direction through said gearing by pay-out rotation of said line-drum, and connections between said engine shaft and main valve stem whereby the latter is rotated in valve opening direction by said engine shaft when rotated in pay-out direction.

2,417,167
LOCK
James Ambler Johnston, Richmond, Va.
Application February 22, 1943, Serial No. 476,679
6 Claims. (Cl. 189—7)

1. In a cell door structure a hollow structural member in the wall overlying a row of cell doors, individual hollow door frame members with their interior space communicating with the space enclosed in said hollow structural member, an operating bar mounted for longitudinal movement in said hollow structural member, individual locking bolts for each of said cell doors, bolt-operating members in said hollow door frame members connected to said bar and adapted on movement of said bar to shift said bolts from unlocked to locked position, operating means for said bar and means for preventing movement of said bar except when all said doors are in position to be locked, said means comprising a latch for said bar having a portion which in latched position projects beyond the face of said hollow structural member and a projection on said door adapted to engage the projecting portion of said member and shift the same to release said latch.



2,417,168
PARACHUTE HARNESS
Joseph Kalnitz, Buffalo, N. Y.
Application May 19, 1944, Serial No. 536,316
9 Claims. (Cl. 244—151)

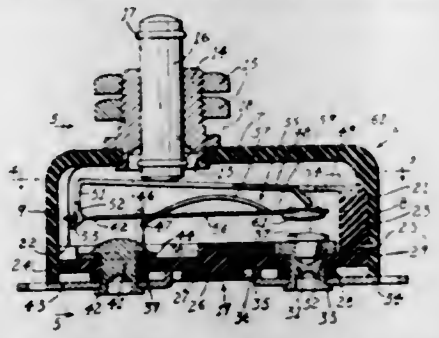


1. Parachute harness comprising a waist-encircling band and means for engaging said band with a parachute, a pair of shoulder straps each secured at one end to a rear portion of the waistband and attachable at their free ends to the front thereof, a pair of straps secured to and depending from the front of said waistband for passing between a user's legs and rearwardly about his thighs for securement of the free ends thereof to the front of said waistband, and a second pair of straps secured to and depending from the rear of said waistband for passing between the user's leg and for securement of the free ends thereof to the front of said waistband.

2,417,169
SNAP SWITCH
Oscar H. Kaminky, Freeport, Ill., assignor, by mesne assignments, to First Industrial Corporation, Wilmington, Del., a corporation of Delaware
Application January 20, 1943, Serial No. 472,935
7 Claims. (Cl. 200—67)

1. The combination in a snap switch of a housing having a top and depending side walls,

a plunger disposed in said top adjacent one end thereof movable axially therethrough to actuate the switch, a base of insulating material disposed between said side walls and forming a closure for said housing, said housing and said base having interfitting means for predetermining the relative positions of said base and said top, a leaf spring within said housing attached at one end in cantilever fashion to said base adjacent the end of said housing opposite said plunger and extending longitudinally of the housing adjacent to and in spaced relation with said top and beneath said plunger to be depressed by inward movement of said plunger, a stationary contact on said base adjacent said opposite end of said housing, a contact carrying switch spring disposed between said leaf spring and said base, said switch spring comprising a tension member and a compression member connected together at one end and a movable contact at said end cooperable with said stationary contact, supporting means on said base for pivotally supporting the other end of one of said members, and supporting means on said leaf spring for pivotally supporting the other end of the other of said members, said supporting means being positioned to apply a compressive force to said compression member to tension said tension member and cause said movable contact to move with a snap movement upon predetermined lateral movement of said last mentioned supporting means in response to inward or outward movement of said plunger.



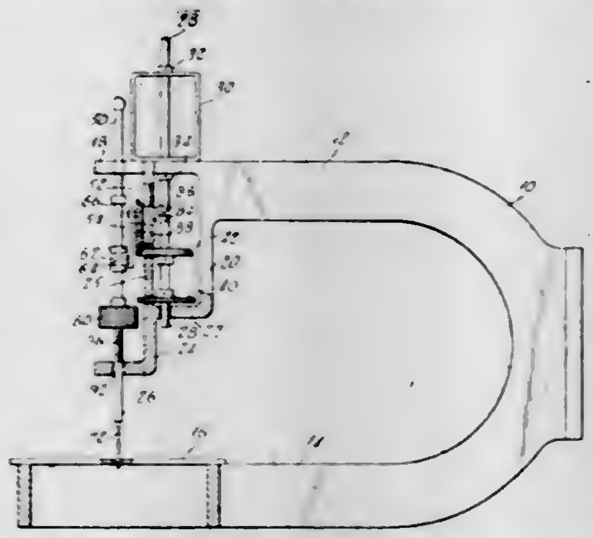
2,417,170

SINGLE DRIVEN-SHAFT COMBINED BORING AND RECIPROCABLE-SAW MACHINE

Otto Langfelder, New York, N. Y.

Application July 7, 1944, Serial No. 543,783

5 Claims. (Cl. 144—35)



2. In a device of the character described, a shaft, a hole borer and sawer mounted thereon, gear means to actuate the shaft for hole boring rotation thereof, and second gear means operable upon disengagement of the rotating means, selectively to actuate said shaft for sawing reciprocation thereof.

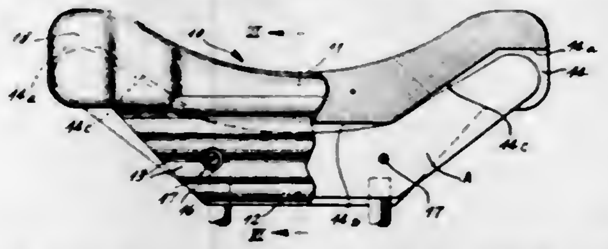
2,417,171

CRUTCH ARMREST

Henri C. McGowan, Augusta, Ga.

Application March 12, 1945, Serial No. 582,235

5 Claims. (Cl. 135—52)



1. A crutch armrest having an upper central portion, enlarged end portions merging with said upper central portion, and side portions below the central portion provided with horizontal corrugations.

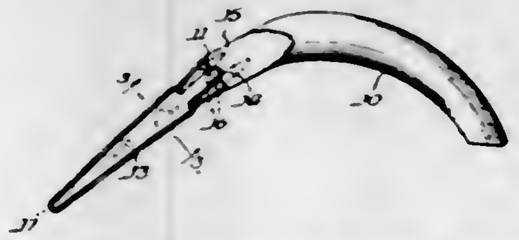
2,417,172

CAKE CUTTER AND SERVER

John H. Norman, Elmhurst, Ill.

Application March 8, 1945, Serial No. 581,591

3 Claims. (Cl. 30—115)



3. A combined cutter and server comprising in combination a handle, a knife comprising spaced substantially parallel blades, means operatively connecting one end of each of said blades to said handle, and a wire cutting member attached to said blades at the extremities of the other ends thereof and spanning the space therebetween.

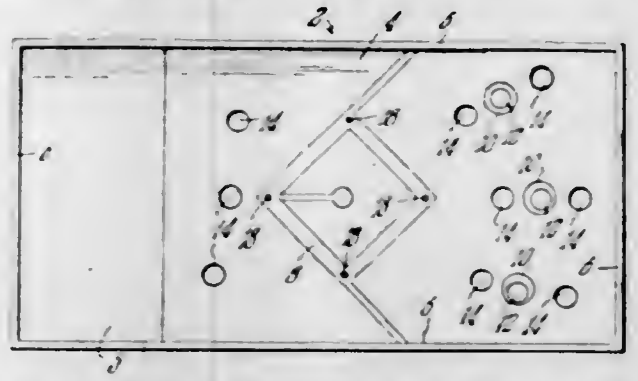
2,417,173

GAME APPARATUS

James M. Prentice, South Hadley, Mass.

Application August 28, 1944, Serial No. 551,488

1 Claim. (Cl. 273—108)



A game apparatus comprising in combination, a board having a flat surface provided with the representation of a playing field and a starting surface at one end thereof extending upwardly and away therefrom at a relatively slight incline, said playing field including indications for positioning playing pieces, said flat surface provided in operative association with the playing field with holes for receiving and positioning certain playing pieces and with sockets for other playing pieces, a plurality of certain playing pieces and a plurality of other playing pieces, said sockets adapted to loosely receive said other playing pieces and said other playing pieces being of relatively larger dimensions than said certain playing pieces and holes and adapted to be placed on said indications, a frame at adjacent and opposite sides of said board extending upwardly above the plane of the surface thereof, and an actuator in the form of a spinner having a lower end and radially extending projections adapted to be set in rotation on said starting surface so as to traverse said surfaces and engage and dislodge said certain playing pieces from their holes and the other playing pieces from said indications.

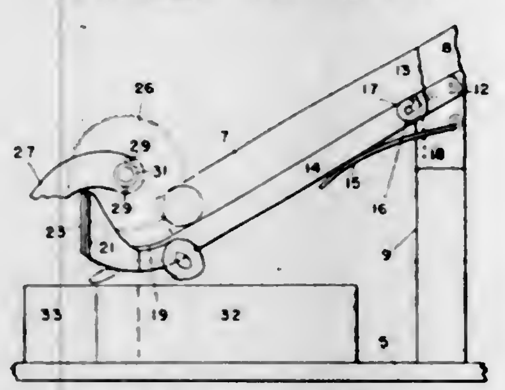
2,417,174

FRUIT SPLITTING AND PITTING DEVICE

Donald E. Prenveille, Oakland, Calif.

Application May 18, 1945, Serial No. 594,455

2 Claims. (Cl. 146—28)



1. In a splitting and pitting device a rail down which fruit to be split and pitted rolls, adjustable guides spaced on each side of said rail, a rotatable splitting saw mounted adjacent the end of said rail and spaced thereabove, the end of said rail adjacent said saw being bifurcated and extending on opposite sides of said saw and to a point above the bottom of said saw, the lower end of said inclined rail and its bifurcated end being flexibly connected to the upper end of said inclined rail, whereby said bifurcated end may move toward and away from said saw to accommodate fruit of various sizes.

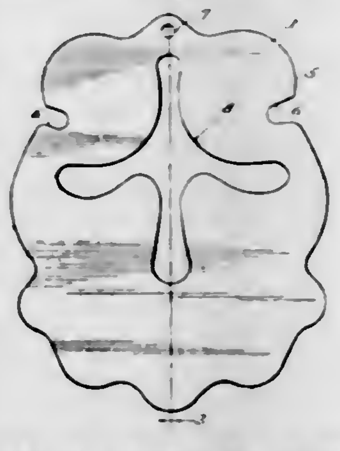
2,417,175

METHOD OF MAKING LAMINATED PUNCHED PLYWOOD ASSEMBLIES

Frank Raffles, Chicago, Ill.

Application October 9, 1944, Serial No. 557,901

2 Claims. (Cl. 144—309)



2. The method of making an ornamentally cut flat wooden piece which comprises providing flat comparatively thin plywood stock, die cutting said stock along irregular lines to form a plurality of identical pieces in each of which the grain of the wood running in different directions in adjacent layers holds the wood against shredding, and adhering a plurality of such die cut pieces together in superimposed position with the corresponding die cut edges in alignment.

2,417,176

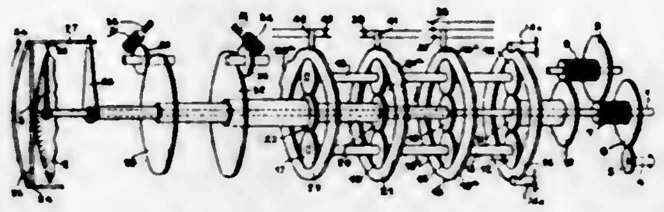
VARIABLE PITCH PROPELLER CONTROL AND INDICATOR

René Jean Ratié, Montrouge, France; vested in the Attorney General of the United States

Application April 11, 1941, Serial No. 388,128

In France April 24, 1940

5 Claims. (Cl. 170—163)



1. Apparatus for controlling and indicating pitch variations of the blades of a propeller, including a pitch changing motor having two control circuits for operating the same in opposite directions, independent switch means in each of said circuits, a movable cam having means associated therewith and actuated thereby for opening the circuit of said motor to stop the same at the end of a pitch changing operation in one direction, a second movable cam also having means associated therewith for opening the circuit of said motor at the end of a pitch changing operation in the opposite direction, a third movable cam having two projections and associated means actuated thereby for selecting and operating either one of said control circuits so as to operate the motor accordingly for changing the pitch in either direction, a plurality of planet pinions arranged to have a common gyration, sun gears connected to and moving said cams, and means operatively communicating the pitch changing movement of the propeller blades to said sun gears.

2,417,177

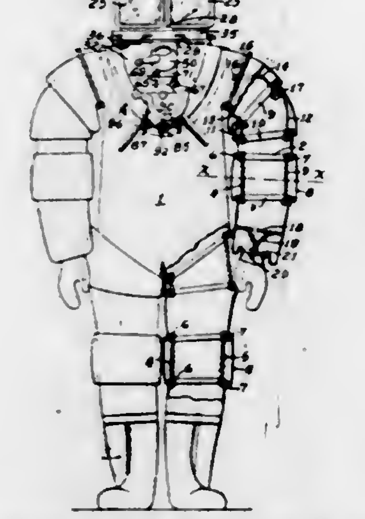
HIGH ALTITUDE FLYING SUIT

Maxime Jean Richou, Paris, France; vested in the Attorney General of the United States

Application April 2, 1942, Serial No. 437,449

In France March 13, 1941

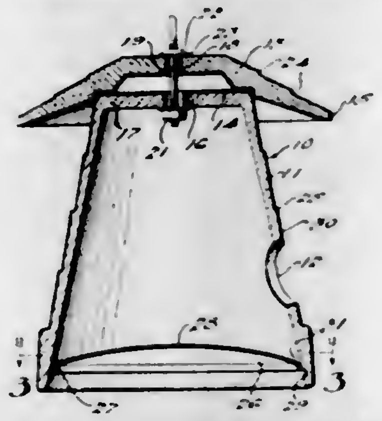
3 Claims. (Cl. 2—2.1)



1. An air-tight suit comprising an air-tight garment, a breast plate tightly fixed to said garment, a helmet adapted to be fixed to said breast plate, and quickly dismountable clamping means to insure tight connection between said helmet and breast plate, said clamping means comprising an indented annular member fixed to said helmet and having flat projections between the in-

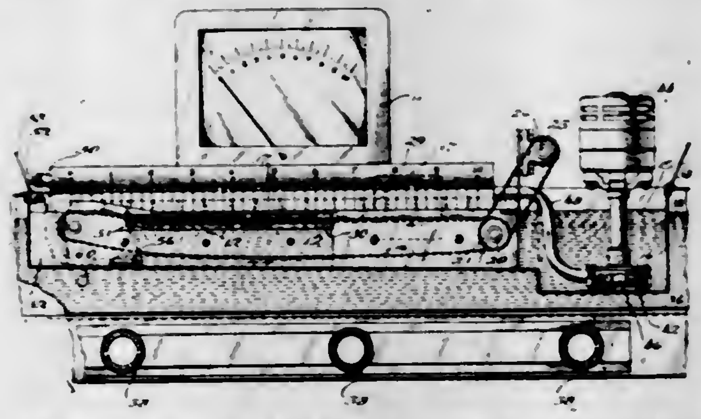
dentations and a rotatable clamping ring coaxial with said member, said clamping ring being provided with two spaced internal circular ribs, the first rib being continuous and the second rib being recessed in registration with the flat portions of said annular member, the flat portions of said recessed rib being wedge-shaped to exert clamping pressure on said projections when said clamping ring is rotated.

2,417,178
BIRD HOUSE AND PARTITION ELEMENT
Henry T. Ritter, South Rockwood, Mich.
Application February 27, 1941, Serial No. 380,843
5 Claims. (Cl. 119—23)



1. A bird house comprising a flowerpot-like member made of earthenware and having an opening in the side wall thereof, a roof element covering the top closed end thereof also made of earthenware, means for securing said pot-like member and element together, and a resilient disc closing the open end of said pot-like member when spring-pressed into the wall thereof.

2,417,179
METHOD OF FINISHING PIEZOELECTRIC CRYSTALS
Kenneth B. Ross, Chicago, Ill.
Application November 25, 1943, Serial No. 511,725
1 Claim. (Cl. 171—327)

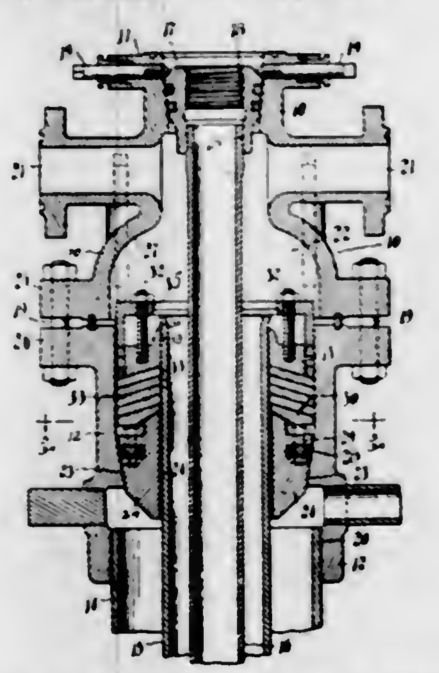


The method of finishing quartz piezo-electric crystals to cause them to conform closely to a standard in their resonant frequency characteristics, which comprises, determining empirical numbers representative of the frequency differences between the resonant frequencies of a plurality of unfinished crystals and that of a standard crystal, and passing such unfinished crystals through an etching bath of known etching properties at a constant speed through distances corresponding to the previously determined empirical numbers for each of the crystals, the extent of etching being sufficient to remove any portions at the surfaces of the crystal which have properties differing from those of the body of the crystal.

2,417,180
PINE-WOOD RESIN OF INCREASED MELTING POINT AND METHOD OF PRODUCING
Alfred L. Rummelsburg, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 17, 1945, Serial No. 583,388
14 Claims. (Cl. 260—97)

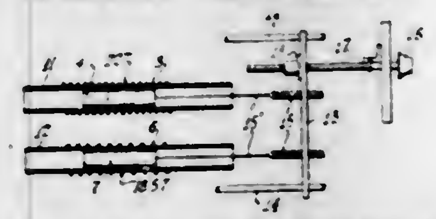
1. A method of increasing the melting point of a pine wood resin containing from about 30% to about 95% petroleum hydrocarbon-insoluble material which comprises heating the said pine wood resin for about one hour to about 100 hours at a temperature within the range of about 100° C. to about 250° C. with a boric acid compound selected from the group consisting of boric acids, esters of boric acids, and anhydrides of boric acid, the amount of said boric acid compound being an amount molecularly equivalent to no more than 15% orthoboric acid based on the weight of the pine wood resin.

2,417,181
OIL WELL PRESSURE CONTROL SYSTEM
James Caldwell Sandilands, Toronto, Ontario, Canada, assignor to The James Morrison Brass Mfg. Co., Limited, Toronto, Ontario, Canada, a company of Canada
Application June 8, 1942, Serial No. 446,248
5 Claims. (Cl. 166—14)



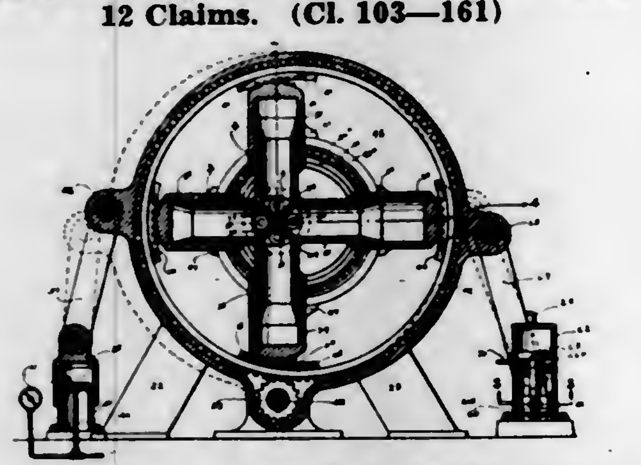
1. In an oil well pressure control system, a casing head, a chamber in said casing head, the lower wall of said chamber being tapered inwardly, a casing extending into said chamber, means for anchoring said casing in said casing head which comprises a plurality of slips tapered to fit snugly into the lower part of the said chamber between the tapered wall thereof and the wall of the casing extending thereinto, each of said slips having a serrated inner surface and being formed in a segment of a circle to comprise part of an annular, wedge-like ring extending around and in gripping contact with the outer surface of said casing, and means for aligning the slips in their predetermined position comprising an annular ring formed of separate segments fitted into aligned grooves formed in the outer walls of the said slips and extending horizontally therearound, the segments being positioned simultaneously in aligned grooves in adjacent slips, the combination of the slips and the aligning ring being free to adjust itself within the chamber to the diameter of the casing.

2,417,182
SHORT-WAVE PERMEABILITY TUNING SYSTEM
William Francis Sands, West Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 24, 1942, Serial No. 463,192
11 Claims. (Cl. 250—40)



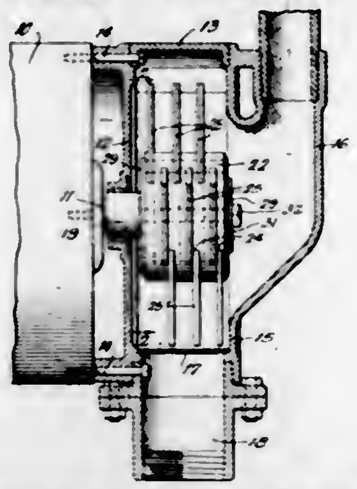
1. In a permeability tuning system for a superheterodyne receiver, a signal frequency circuit and an oscillator circuit each having a tuning coil and a magnetic tuning core movable relatively to said coil to inductively tune its respective circuit, said tuning cores being of substantially the same length and diameter, said tuning coils being of like construction as regards coil length and coil diameter but having different winding pitches which are constant in each case, the relative pitches of said coils being so chosen as to effect substantially constant tracking between said circuits with synchronous adjustment of the cores through their respective tuning ranges.

2,417,183
VARIABLE STROKE RADIAL CYLINDER TYPE PUMP
James E. Smith, Pittsburg, Tex.
Application August 11, 1944, Serial No. 549,025
12 Claims. (Cl. 103—161)



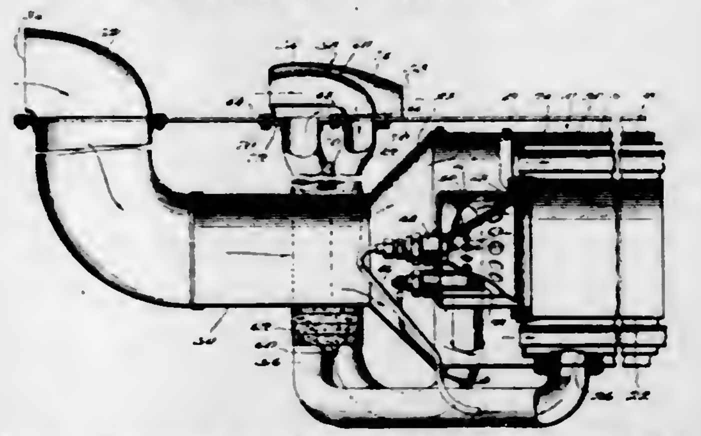
2. A variable stroke radial cylinder type pump comprising a tiltably mounted annular enclosure; a non-shifting hollow shaft disposed transversely through said enclosure and normally concentric therewith, the ends of the shaft being provided with self-closing valves operable in the direction of flow; a plurality of hollow pistons radially arranged about said shaft and in constant communication therewith; cylinders reciprocatingly mounted on said pistons with their outer ends arranged in operative relation with said enclosure; a ring member secured to the enclosure interior; secured to the sides of each cylinder and adapted to ride on said ring member whereby the cylinders are maintained in operative relation with said enclosure and made to reciprocate; power operated means whereby said hollow shaft with its associated piston and cylinder assemblies are rotated; and automatic means for moving said enclosure into eccentric relation with the hollow shaft and piston and cylinder assemblies, said automatic means having communication with the discharge end of said shaft and being adapted to automatically regulate the degree of eccentricity in keeping with the pressure encountered at the discharge end of the pump.

2,417,184
COMMINUTING MACHINE
Harold H. Wagner, Cincinnati, Ohio, and Elmer G. Magnus, Chicago, Ill., assignors to The W. J. Fitzpatrick Company, Chicago, Ill., a corporation of Illinois
Application February 9, 1944, Serial No. 521,606
3 Claims. (Cl. 146—96)



1. A comminuting machine comprising a hollow casing, a substantially cylindrical rotor hub rotatable in the casing, a curved screen in the casing around the rotor hub forming an outlet for comminuted material, and a series of blades having a maximum width not greater than the diameter of the hub carried by the rotor hub with their tops lying closely adjacent the screen, each blade being rigidly secured to the hub and having a convexly curved sharpened edge extending to the surface of the hub and facing in the direction of rotation of the rotor and sloping backward throughout its length from a radius through its juncture with the hub.

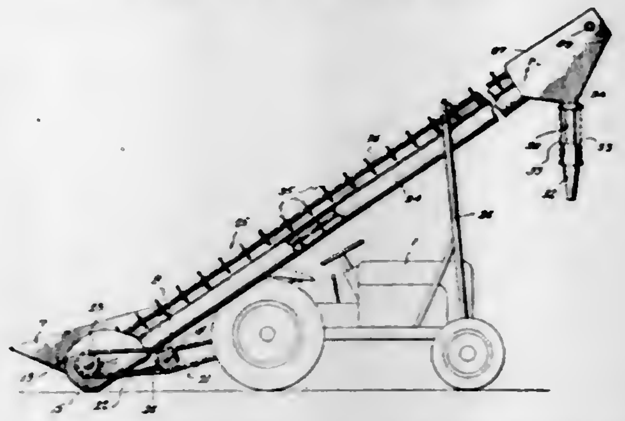
2,417,185
ANTI-ICING COMBUSTION AIR SCOOP
Lynn A. Williams, Jr., Northfield, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application July 1, 1943, Serial No. 493,040
6 Claims. (Cl. 126—110)



2. An aircraft heater installation, comprising an aircraft, a heater on said aircraft and having a combustion chamber and a heat exchanger for receiving hot products of combustion from said chamber, passage forming means including an opening to atmosphere directed toward the front of the aircraft to supply combustion air only to said chamber, other means for supplying ventilating air to said heat exchanger, an exhaust jacket surrounding the portion of said passage forming means adjacent said opening, a pipe for conducting exhaust gases from said heat exchanger to said jacket adjacent to said opening, and a flange integral with said means and jacket, said flange being adapted for attachment to a wall of the aircraft.

2,417,186
GRAIN LOADER

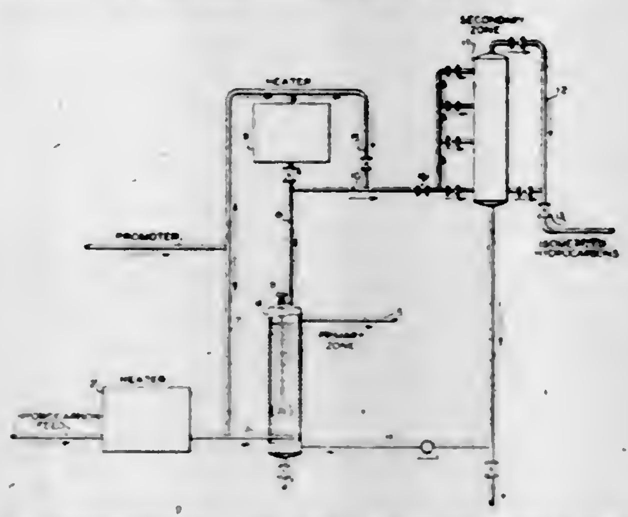
Dannie D. Birt, Guyman, Okla.
Application January 26, 1945, Serial No. 574,736
2 Claims. (Cl. 198—99)



2. A loader comprising a hopper having side walls and front and rear walls, a conveyor at a side of the hopper including a tube extending forwardly from the hopper and having a casing at its rear end, the casing and the adjoining side wall of the hopper being formed with registering openings, a spiral conveyor extending along the bottom of the hopper and having a shaft passing through the registering openings and transversely through the casing and journaled through the outer side of the casing, said shaft mounting the conveyor tube and its casing for vertical tilting to adjusted positions, a drive shaft rotatably mounted in front of said hopper, means for transmitting rotary motion from the drive shaft to the outer end of the conveyor shaft, a sprocket wheel mounted upon the conveyor shaft within the casing, endless conveyor means extending through the conveyor tube and the casing and trained about the sprocket wheel, and means for transmitting rotary motion to the drive shaft.

2,417,187
CATALYTIC ISOMERIZATION OF SATURATED HYDROCARBONS IN THE PRESENCE OF AN ALUMINUM HALIDE-HYDROCARBON COMPLEX SATURATED WITH ALUMINUM HALIDE

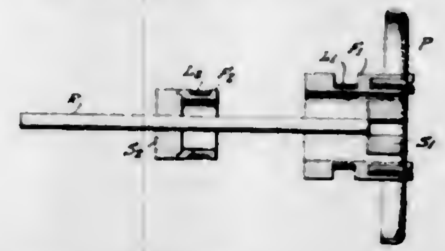
John Richard Callaway, Teaneck, N. J., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application May 28, 1943, Serial No. 488,811
5 Claims. (Cl. 260—683.5)



5. A continuous process for isomerizing saturated non-aromatic hydrocarbons which comprises maintaining in a reaction tower a substantially static column of active liquid isomerization catalyst consisting essentially of aluminum halide-hydrocarbon complex formed by reacting aluminum halide with a portion of the said saturated non-aromatic hydrocarbons of substantially the same composition, said complex liquid being substantially saturated with aluminum halide but substantially free from suspended solid aluminum halide, continuously injecting a feed stream consisting essentially of said saturated non-aromatic hydrocarbons into the lower portion of the static column of liquid catalyst, dispersing the injected saturated non-aromatic hydrocarbons in discontinuous phase upwardly through the liquid column of catalyst in continuous phase by difference in density in the presence of a small amount of hydrogen halide not exceeding about 5% by weight of the hydrocarbon feed and at an elevated temperature not exceeding about 240° F. such that isomerization of said saturated non-aromatic hydrocarbons to more highly branched saturated non-aromatic hydrocarbons constitutes the principal reaction, maintaining the liquid volume of the catalyst in the tower greater than that of the hydrocarbons undergoing treatment therein, maintaining the depth of catalyst liquid through which the dispersed hydrocarbons rise within the range of about 10 to 60 feet while providing a time of contact of the dispersed hydrocarbons with the catalyst not in excess of about 10 minutes, and issuing from the top of said liquid catalyst column an effluent hydrocarbon stream, thereby effecting substantial conversion of said saturated non-aromatic hydrocarbons to more highly branched saturated non-aromatic hydrocarbons in a single passage of feed hydrocarbons through the liquid catalyst column.

2,417,188
VARIABLE INDUCTANCE

Robert George Clark, London, England, assignor to The Hartford National Bank and Trust Company, Hartford, Conn., trustee
Application July 13, 1944, Serial No. 544,791
In Great Britain September 23, 1942
8 Claims. (Cl. 171—119)

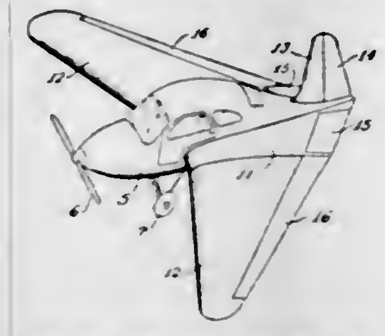


1. A variable inductance comprising two coaxially mounted parts connected in series so as to provide positive mutual inductance between them and adapted to slide one within the other, at least one of said parts being rigidly connected with a coaxial short-circuited winding arranged to be substantially without effect when the two parts are one within the other in their position of maximum coupling, but to assume when the two parts are moved apart, a position of maximum coupling in relation to the other part whereby to reduce the total inductance.

2,417,189
TAILLESS AIRPLANE

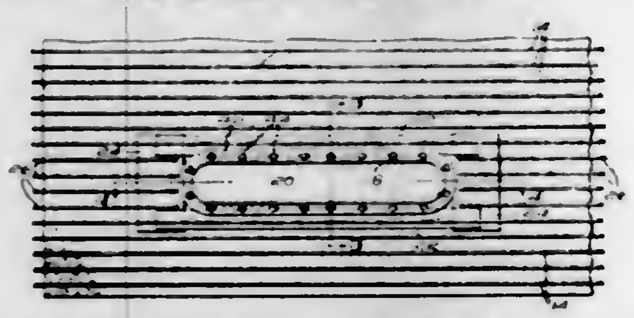
George W. Cornelius, Dayton, Ohio, assignor to The Cornelius Aircraft Corporation, Dayton, Ohio, a corporation of Ohio
Application July 27, 1942, Serial No. 452,479
15 Claims. (Cl. 244—13)

1. In an airplane, a wing structure embodying a pair of inboard wing panels constituting a central structure and a pair of outboard wing panels connected to and extending outwardly from said central structure, said inboard and outboard wing panels being connected together and cooperating to define a continuous wing structure having continuous leading and trailing edges, directional control means, trailing edge means for trimming the airplane, elevator means operatively associated with and carried by said wing structure, said wing structure being so constructed and arranged that one of said pairs of wing panels constitutes a leading pair and the other of said pairs of wing panels constitutes a trailing pair of wing panels, and said wing structure being so constructed and arranged that its center of gravity is disposed rearwardly of the mean center of lift of said leading pair of panels and is disposed forwardly of the mean center of lift of said trailing pair of wing panels, said wing panels being so constructed and arranged that in any trimmed attitude of the airplane said leading pair of wing panels and said trailing pair of wing panels exert their respective lifting forces with respect to the center of gravity in such a relation as to effect a state of longitudinal equilibrium in said airplane, said trailing pair of wing panels having an airfoil section that is so constructed and arranged that increased lift is accompanied by reward shifting of the mean center of pressure thereof as the airplane approaches its stalling angle to thereby impart a corrective pitching moment to the airplane about its center of gravity, and said leading pair of wing panels having an airfoil section that is so constructed and arranged that increased lift is accompanied by substantially unchanged positioning of the center of pressure thereof as the airplane approaches its stalling angle.



2,417,190
CONCRETE WALL UNDER COMPRESSION PROVIDED WITH AN OPENING

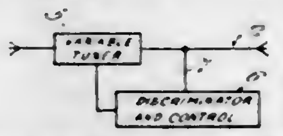
John M. Crom, Washington, D. C.
Application December 15, 1942, Serial No. 469,082
3 Claims. (Cl. 72—6)



3. A monolithic concrete wall having an opening therethrough bounded by the wall about its entire margin, horizontal reinforcement extending parallel with the wall at the top and bottom sides of the opening and along and adjacent to said sides, said reinforcement being in high tension and holding the wall adjacent thereto in substantial compression, other horizontal reinforcement having a major portion thereof remote from the opening and located between and substantially parallel with the first-named reinforcement and in the plane of the opening and a minor portion located adjacent to and along said sides of the opening, said other reinforcement being in tension holding the wall adjacent to the opening in compression, and steel reinforcement within and bonded directly to the wall along said top and bottom sides of the opening for sustaining at the opening the compression effected by said other reinforcement.

2,417,191
AIRPLANE ANTENNA AUTOMATIC TUNING SYSTEM

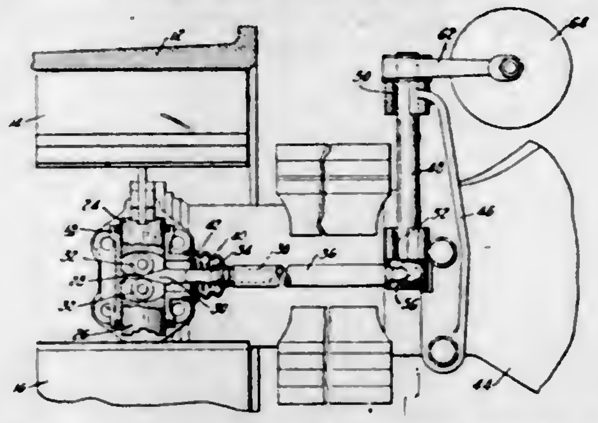
Carl H. Fox, Dallas, Tex., assignor of one-half to Southwest Airmotive Company, Love Field, Dallas, Tex., a corporation of Texas
Application January 13, 1942, Serial No. 426,618
11 Claims. (Cl. 250—17)



1. In a radio transmission system for aircraft, a radio transmitter, a trailing wire antenna, means for controlling the effective length of said antenna for effectively radiating energy within the frequency range of said transmitter, a tuning element disposed in series between said radio transmitter and said trailing wire antenna, a differential control circuit, a connection between said differential control circuit and said trailing wire antenna, means operated by said differential control circuit for adjusting said tuning element, said means operating under conditions of differences between the periodicity of said trailing wire antenna and the periodicity of said radio transmitter for adjusting said trailing wire antenna to resonance with said radio transmitter.

2,417,192
BRAKE

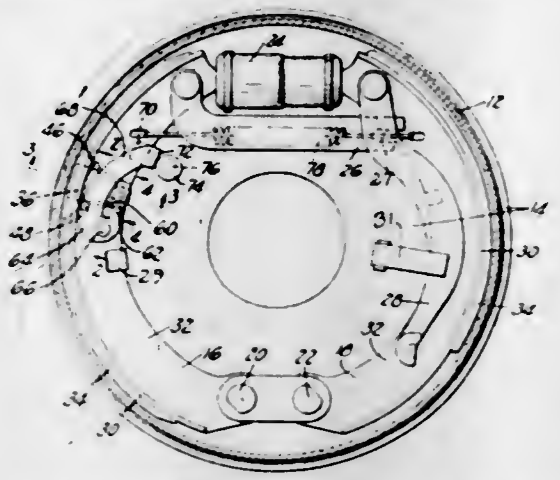
Rudolph A. Goepfrich, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application June 18, 1945, Serial No. 600,048
7 Claims. (Cl. 188—152).



1. Applying means, for a brake having a drum and two shoes which are "leading" shoes in both directions of drum rotation, comprising plungers at both ends of both shoes disconnectedly engaging the shoes, rollers mounted on the plungers, two wedges, each acting on the rollers of one pair of plungers, said wedges being movable substantially parallel to the axis of the brake drum to urge the rollers outwardly, and fluid pressure means for actuating said wedges to move the shoes against the drum.

2,417,193
AUTOMATICALLY ADJUSTING BRAKE

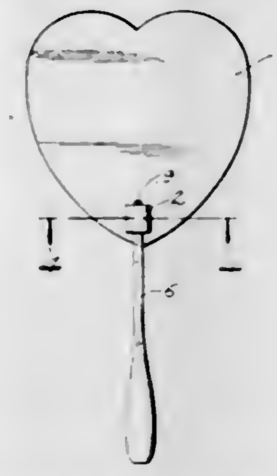
Rudolph A. Goepfrich, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Original application August 1, 1942, Serial No. 453,237, now Patent No. 2,389,618, dated November 27, 1945. Divided and this application August 27, 1945, Serial No. 612,731
7 Claims. (Cl. 188—79.5)



1. In a brake having a drum, a backing plate, and a shoe adapted to be moved at times against the drum, automatic adjusting means for the shoe comprising a friction block extending through the shoe and having its face flush with the face of the shoe which contacts the drum, said friction block being shifted inwardly relative to the shoe by wear of the shoe, extrusions in the shoe web adjacent the sides of the friction block in combination with a projection on the friction block extending into an opening of the shoe web for guiding said friction block on the shoe web, a lever pivoted to the shoe, a portion of the lever contacting one side of the friction block and adapted to rotate the lever on its pivot as the friction block moves inwardly, and a stop mounted on the backing plate and arranged to contact one end of the lever to hold the shoe in released position determined by the angular position of the lever.

2,417,194
FAN

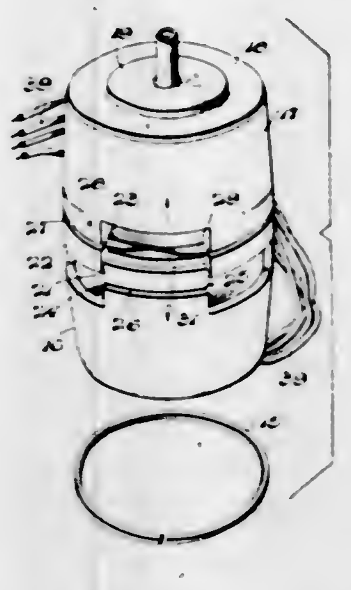
Herman Gross, Detroit, Mich.
Application August 3, 1945, Serial No. 608,777
5 Claims. (Cl. 230—268)



1. A fan comprising a blade, a bearing block having a swivel mounting on said blade on an axis perpendicular to the plane of said blade, and a handle having one end attached to said block on a swivel axis parallel to the plane of said blade.

2,417,195
SNAP-RING SECURED, DIVIDED MOTOR CASING

William Hargreaves, Bergenfield, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application June 30, 1943, Serial No. 492,925
7 Claims. (Cl. 171—252)

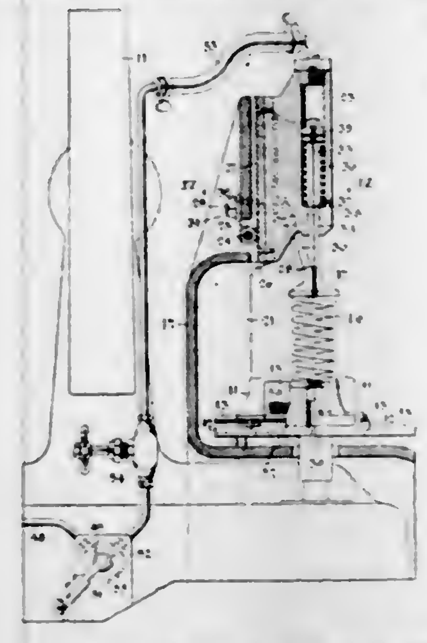


1. A casing for power responsive devices comprising cooperating members, each of said members having a plurality of alternately spaced segments whereby the segments of one member inter-engage with the segments of the other member, arcuate surfaces carried by each of said segments whereby opposed continuous annular surfaces are defined when said segments are firmly inter-engaged, resilient means interposed between said sections adapted to resist said firm engagement of said segments, and an annular coupling member adapted to seat between said continuous annular surfaces defined by said arcuate surfaces, whereby the members are adapted to be coupled together firmly against resistance of said resilient means and said annular coupling member is held against accidental displacement by opposed pressures from said arcuate surfaces on each side thereof at opposed alternate points.

2,417,196
MACHINE FOR TESTING HELICAL COMPRESSION SPRINGS

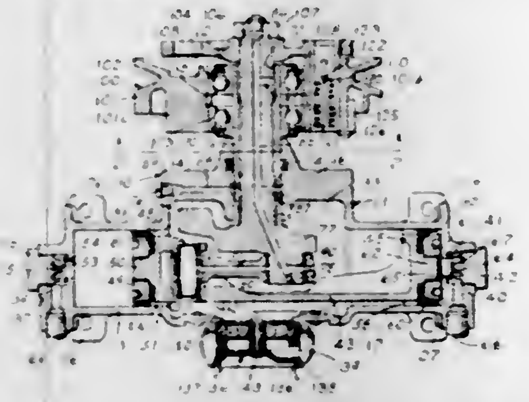
Emmett C. Hartley and Herbert L. Ivins, Cleveland, Ohio, assignors to The Parker Appliance Company, Cleveland, Ohio, a corporation of Ohio
Application November 10, 1943, Serial No. 509,748
1 Claim. (Cl. 73—161)

A machine for testing helical compression springs comprising a movable load-reaction member engaging one end of said spring, a supporting frame disposed above said load-reaction member, a cylinder mounted on said supporting frame, a piston movable in said cylinder, a head connected to said piston and adapted to engage the other end of said spring for compressing the same against the load-reaction member, means for admitting fluid above said piston, means carried by the piston for limiting the downward movement of the piston, means whereby the cylinder may be shifted to different set positions for testing springs of different lengths, and an indicating means associated with said load-reaction member for indicating the overall length of the spring being compressed by a given load relative to a desired standard length of spring compressed by said given load.



2,417,197
AIR COMPRESSOR APPARATUS

Ellis E. Hewitt, Edgewood, Rankin J. Bush, Jeannette, and William H. Glass, Wilkinsburg, Pa., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application August 21, 1943, Serial No. 499,470
7 Claims. (Cl. 230—187)

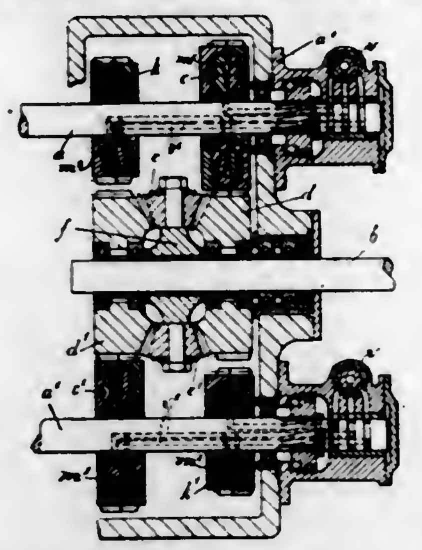


1. An air compressor comprising a symmetrical casing structure consisting only of two substantially similar sections secured together to provide a central crank case chamber intermediate oppositely disposed cylinder chambers, unitary piston means having opposed air compressing heads reciprocatively mounted in said cylinders, respectively, a sleeve member clamped between said sections against movement, crank shaft means mounted in said crank case chamber and journaled in said sleeve member for operating said unitary piston means, and driving means supported on said sleeve member for operating said crank shaft means.

2,417,198
POWER DRIVE

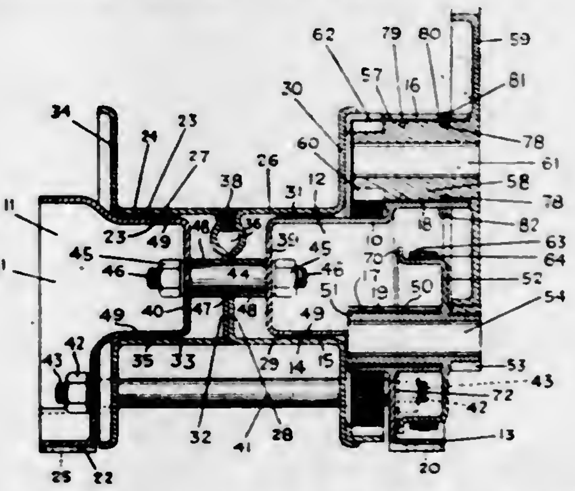
Thomas Hindmarch, London S. W. 1, England
Application April 6, 1943, Serial No. 482,018
In Great Britain March 2, 1942
3 Claims. (Cl. 74—282)

1. A power drive of the kind referred to comprising a plurality of prime movers or prime mover units each with its driving shaft arranged parallel to a common output shaft disposed between the said driving shafts, a carrier fast on said output shaft and carrying the planetary wheels of a differential, a pair of sun wheels loose on the ouput shaft and engaging said planetary wheels, a gear loosely mounted on each of said driving shafts meshing directly with the respective sun wheels for driving the output shaft in one direction, a second gear loosely mounted on each driving shaft meshing indirectly with the respective sun wheels for driving the output shaft in the reverse direction, pressure fluid operating clutches for coupling the gears to the driving shafts according as the output shaft is to be driven in one direction or the other, and means for selectively operating the clutches whereby the output shaft may be driven in either direction without altering the direction of rotation of the driving shafts.



2,417,199
MANUALLY OPERATED HOIST

Joseph J. Hite, St. Paul, Minn., assignor to American Hoist & Derrick Co., St. Paul, Minn., a corporation of Delaware
Application May 29, 1944, Serial No. 537,895
13 Claims. (Cl. 254—186)

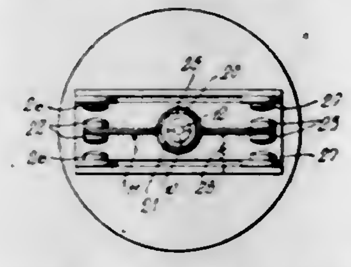


11. Material handling apparatus comprising a base constituted as right and left side frames each consisting of a body providing a cylindrical bearing member, means securing said right and left side frames in fixed relation to each other with said cylindrical bearing members in alinement, a hoist drum constituted as right and left drum entities each consisting of a body providing an annular member at the inner side of said body disposed transversely of said drum, a cylindrical bearing member integral with and extending outwardly from said annular, transverse member and mounted upon a cylindrical bearing member of one of said side frames and an annular flange member integral with an extending transversely

of and exteriorly from a portion of said cylindrical bearing member spaced from said annular, transverse member of the corresponding drum entity, said annular, transverse members of the right and left drum entities being secured to each other and being situated between the cylindrical bearing members of said right and left side frames, a pinion adapted to be rotated, means rotatably supporting said pinion, a hollow shaft adapted to be rotated, a large intermediate gear and a small intermediate gear rigid with said hollow shaft, said pinion being adapted to engage said large intermediate gear, and an internal gear rigid with one of the annular flange members of said hoist drum adapted to be engaged by said small intermediate gear.

2,417,200
SWITCH

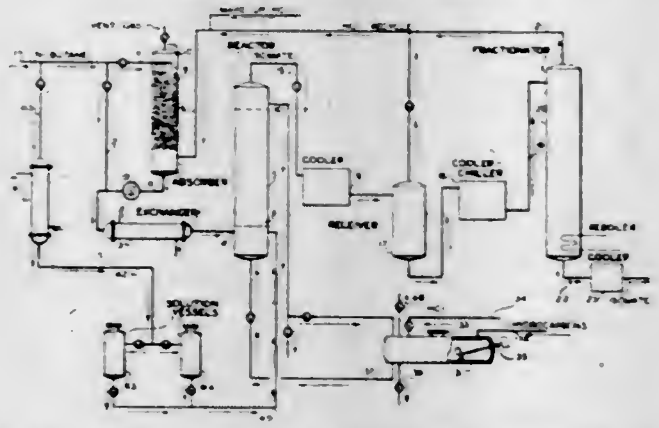
John H. Horman, Tuckahoe, N. Y., assignor, by mesne assignments, to Allied Control Company, Inc., New York, N. Y., a corporation of New York
Application August 10, 1944, Serial No. 548,839
6 Claims. (Cl. 200—6)



1. In a switch, a slotted rotatable shaft, a member rotatably mounted on said shaft, said member comprising a pair of interconnected metal plates having centrally arranged semi-cylindrical offsets defining an aperture receiving said shaft, a resilient element arranged in the shaft slot and having its ends attached to the ends of said member, a pair of stationary contacts on either side of each end of said member, and means to effect rotation of said shaft.

2,417,201
PROCESS OF ISOMERIZING SATURATED LOW BOILING FEED HYDROCARBONS

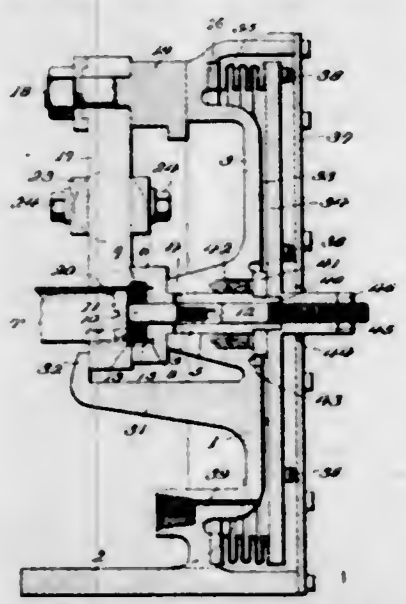
Francis Horton, New York, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application May 12, 1943, Serial No. 486,685
4 Claims. (Cl. 260—683.5)



1. A continuous process of isomerizing saturated low boiling feed hydrocarbons which comprises maintaining within a reaction zone a substantially static column of metallic halide-hydrocarbon complex liquid isomerization catalyst, passing said feed hydrocarbons in liquid phase upwardly through said column in the presence of hydrogen halide under conditions such that isomerization constitutes the principal reaction, continuously withdrawing from the upper portion of the reaction zone at a point above the column of said catalyst an effluent liquid stream comprising hydrocarbons including isomerized hydrocarbons and hydrogen halide substantially free from metallic halide, subjecting said effluent stream to fractionation to strip therefrom a gaseous fraction consisting mainly of hydrogen halide and a small amount of fixed hydrocarbon gas comprising methane, passing said gaseous fraction through a scrubbing zone, subjecting it therein to countercurrent contact with a stream of feed hydrocarbon in liquid phase and having at least 4 carbon atoms per molecule such that hydrogen halide is dissolved in said stream and fixed gas remains undissolved, discharging said undissolved fixed gas, injecting said stream to the lower portion of said column of catalysst, subjecting a separate liquid stream of feed hydrocarbon comprising normal butane to contact with solid metallic halide in the absence of added hydrogen halide under conditions such that a small amount of metallic halide is dissolved therein, separately injecting said stream containing dissolved metallic halide into the lower portion of said column at a point removed from that at which the hydrogen halide bearing stream is injected, withdrawing used complex from the upper portion of said column and regulating the amount of metallic halide injected so as to maintain said complex catalyst within the reaction zone at a predetermined level of activity and substantially free from solid metallic halide.

2,417,202
MACHINE FOR BEADING OR FLANGING TUBES

Henry E. Hull and Emmett C. Hartley, Cleveland, Ohio, assignors to The Parker Appliance Company, Cleveland, Ohio, a corporation of Ohio
Application May 20, 1943, Serial No. 487,770
6 Claims. (Cl. 153—79)



1. A machine for shaping the end portion of a tube comprising a die member having a recess adapted to receive the end of the tube to be shaped, means for centering said tube in said recess and serving as a tube end abutment definitely placing the tube end with relation to said recess, a stem mounted for endwise movement in the die member and projecting into the recess, a pressure head on the end of said stem of a diameter for loose fit within the tube to be shaped, a ring of elastic deformable material disposed between said pressure head and the inner wall of the recess, and a fluid pressure means connected to said stem for moving the same in a direction toward said tube end abutment to cause the head to press the ring against the inner wall of the die for expanding the ring radially into contact with the tube for deforming the tube to the desired shape.

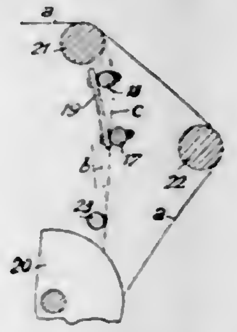
2,417,203
ELECTROPLATING NICKEL

Richard O. Hull, Lakewood, and Raymond A. Hoffman, Euclid, Ohio, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 1, 1941, Serial No. 381,402
1 Claim. (Cl. 204—49)

An aqueous nickel plating bath of the nickel sulfate-nickel chloride type in which the chloride anion and sulfate anion are in the ratio of from 5:1 to 20:1 containing about from 0.001 to 5.0 grams per liter of a bath-soluble sulfurized gelatin.

2,417,204
PRODUCTION OF WEAVING EFFECTS BY VARIABLE WARP TENSIONING MEANS

Adolf Lanz, Wettingen-Damsau, Switzerland, assignor to Baumwoll-Spinnerei & Weberei Wettingen, Wettingen, Switzerland
Application November 10, 1943, Serial No. 509,749
In Switzerland November 11, 1942
3 Claims. (Cl. 139—24)

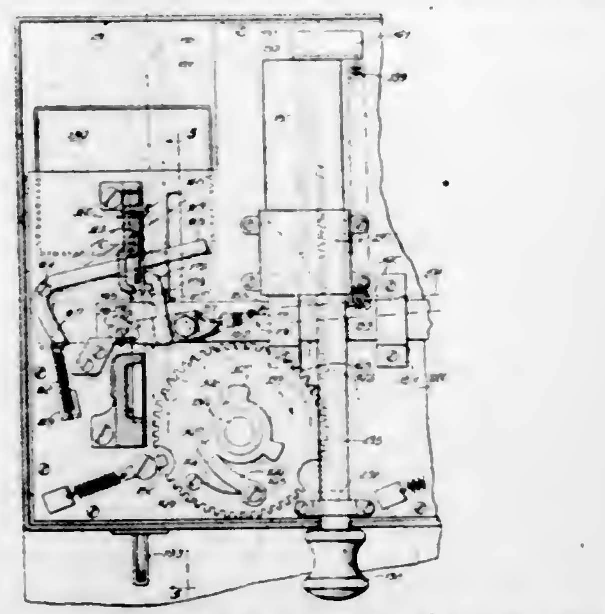


1. A loom arrangement for producing woven effects, an upper warp thread guide roller for contacting and guiding all of the threads of the warp, a lower warp thread guide roller for guiding a subdivided group of warp threads, and an oscillating member disposed between said upper and lower guide rollers for applying tension to and releasing the tension of said group of warp threads, the guides being so disposed that the said group of warp threads is guided from the warp beam over the lower thread guiding roller to the oscillating member and thence to the upper thread guide roller, which also serves for guiding the remaining portion of the warp.

2,417,205
COIN CONTROLLED MECHANISM

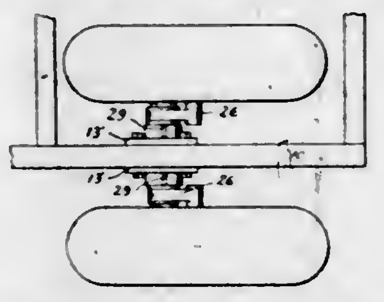
Harvey T. Larimore, Congress Park, Ill., assignor to Kalva Venders, Inc., Chicago, Ill., a corporation of Illinois
Original application October 16, 1941, Serial No. 415,250, now Patent No. 2,389,442, dated November 20, 1945. Divided and this application March 13, 1945, Serial No. 582,543
5 Claims. (Cl. 194—1)

3. In a coin-controlled latch mechanism, a stationary element having a slot, a coin receptacle, and a coin return passage adjacent said slot, said mechanism comprising a pivotal supporting element releasably held in normal position beneath said slot for supporting a coin in the slot and having a first operative position wherein a coin is directed to said receptacle and a second operative position wherein a coin is directed to the return passage, a reciprocating slide bar, a coin contacting finger pivotally mounted on said slide bar and having a portion thereof extending to a position adjacent said slot and adapted to contact a coin therein, complementary locking elements on said finger and a stationary point normally in position for engagement on movement of said slide bar, said finger having an initial operative position in contact with a coin in said slot when said slide bar is in an intermediate position wherein said locking elements are out of position for engagement on movement of said slide bar, said finger having an advanced operative position in contact with the coin, said slide bar having an advanced operative position wherein the bar is in contact with an extended portion of said coin supporting element for shifting said last element to the first operative position, means for automatically returning the bar to normal position, and separate manually actuated means normally retained in an initial position for shifting said supporting element to the second operative position and having a spring element thereon for returning said separate means to initial position.



2,417,206
VEHICLE WHEEL SUSPENSION

Glenn L. Larison, La Grande, Oreg., assignor to Larison Compensating Axle Corporation, a corporation of Oregon
Application November 30, 1943, Serial No. 512,352
5 Claims. (Cl. 280—104)



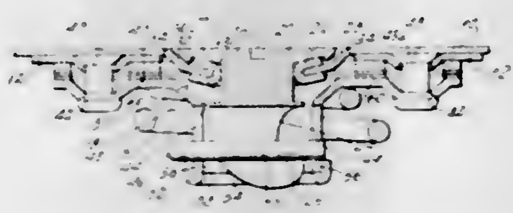
1. In a vehicle running gear assembly, a supporting member mounted at one side of the vehicle for rotational movement on a horizontal axis and extending transversely with respect to the vehicle, a pair of wheel-spindle assemblies rotatably mounted on said supporting member and pivoting on the same axis as said supporting

member, compensating mechanism carried by said supporting member and connected to said supporting member, each of said wheel-spindle assemblies connected to said compensating mechanism, said compensating mechanism so constructed and arranged that upward movement of one wheel-spindle assembly will cause relative opposite movement of the other wheel-spindle assembly, but said compensating mechanism so connected with said supporting member that movement of both assemblies in the same direction will cause said supporting member to be rotated with said assemblies, and resilient means controlling the rotation of said supporting member.

2,417,207

SEPARABLE FASTENER RECEPTACLE WITH PRECOMPRESSED SPRING FOR AIRPLANE COWLINGS OR THE LIKE

Edward L. Mack, New York, N. Y.
Application May 10, 1943, Serial No. 486,334
10 Claims. (Cl. 24—221)



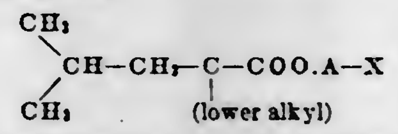
1. In a detachable fastener for maintaining two parts in close proximity under spring tension of the type employing a rotatable stud member and a cooperating receptacle member; a receptacle member which includes a main body portion having two oppositely disposed slots, precompressed tension means associated with said main body portion and positioned intermediate the bottom and top thereof, and a locking-member located in said slots and adapted to ride upwardly and downwardly in said slots influenced by said tension means, said locking-member being adapted for locking cooperation with the rotatable stud member.

2,417,208

BASIC ESTERS OF MONOALKYL ISOBUTYL ACETIC ACIDS

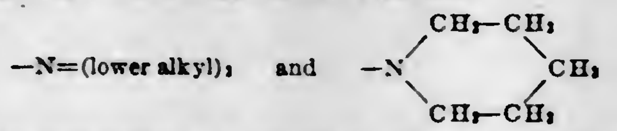
Henry Martin and Alfred Margot, Basel, Switzerland, assignors to the firm J. R. Geigy A. G., Basel, Switzerland
No Drawing. Application August 11, 1944, Serial No. 549,122. In Switzerland August 4, 1943
6 Claims. (Cl. 260—294)

1. A basic ester of a monoalkyl-isobutyl acetic acid of the formula



$$\overset{CH_3}{\underset{CH_3}{>}}CH-CH_2-\underset{\text{(lower alkyl)}}{\underset{|}{C}}-COO.A-X$$

wherein A represents a member of the group consisting of an unsubstituted alkylene chain containing from two to three carbon atoms and of a cyclohexane ring and X represents a member of the group consisting of the radicals



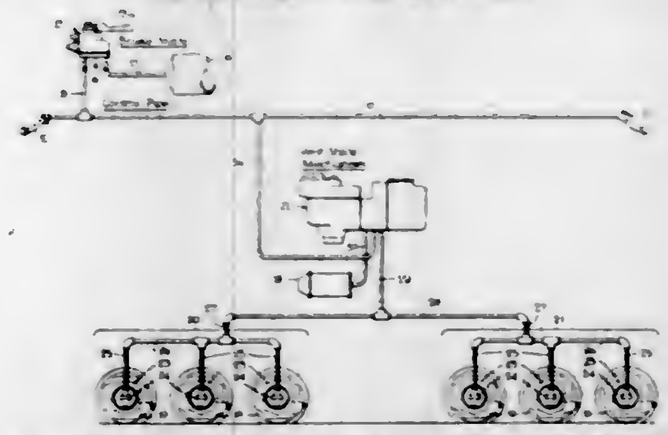
$$-N=(\text{lower alkyl})_2 \quad \text{and} \quad -N\left\langle\begin{matrix}CH_2-CH_2\\CH_2-CH_2\end{matrix}\right\rangle CH_2$$

which compound is soluble in organic solvents and insoluble in water, forming with acids water-soluble salts of antispasmodic properties.

2,417,209

BRAKE CONTROL APPARATUS

Joseph C. McCune, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application March 23, 1945, Serial No. 584,352
18 Claims. (Cl. 303—21)

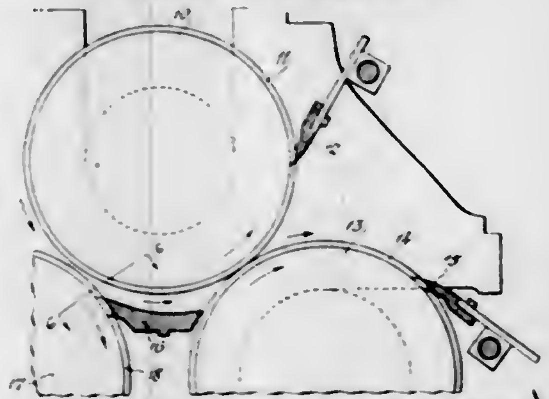


1. Control apparatus comprising the combination of means providing a chamber chargeable with fluid under pressure, a valve device normally conditioned to establish a communication through which fluid under pressure may be supplied to a fluid pressure receiving device and operative in response to a rapid rate of reduction of the pressure in said chamber, to a different position in which the said supply communication is closed and an exhaust communication is established through which fluid under pressure is vented from the fluid pressure receiving device, a piloting communication chargeable with fluid under pressure and adapted to have the pressure therein reduced, normally closed valve means cutting off communication between the said chamber and said piloting communication, and fluid pressure responsive means operative only in response to a reduction of the pressure in the said piloting communication of more than a certain amount for opening the said valve means and thereby causing a rapid reduction of the pressure in the chamber incidental to the reduction of the pressure in said piloting communication.

2,417,210

TEETH FOR ROLL SCRAPERS AND TRASH BAR PLATES

Leon Menzl, Crestwood, N. Y., assignor to Marlo Company, New York, N. Y., a copartnership consisting of Harold Case and Charles Gersman
Original application February 29, 1940, Serial No. 321,386. Divided and this application September 24, 1943, Serial No. 503,637
1 Claim. (Cl. 100—47)

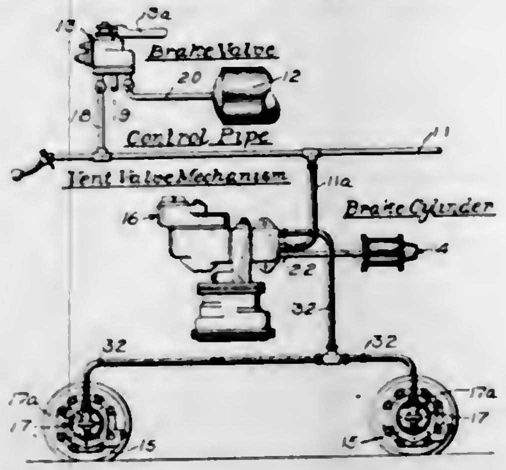


For use in combination with a cylindrical roll of a sugar mill which has circumferential V-shaped grooves, a scraper member which has teeth which mesh perfectly with said grooves, said teeth fitting said grooves at the respective point lines and base lines of said teeth and also at the sides of said teeth.

2,417,211

CONTROL APPARATUS

George K. Newell, near Pitcairn, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application August 19, 1944, Serial No. 550,163
30 Claims. (Cl. 303—21)

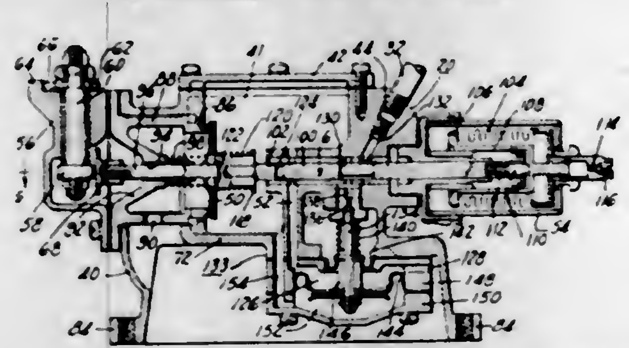


1. Apparatus for controlling the supply of fluid under pressure to and the release of fluid under pressure from a fluid pressure receiving device, said apparatus comprising valve means normally conditioned to provide a communication through which fluid under pressure may be supplied to the receiving device, said valve means being operative to close said supply communication and establish a different communication through which fluid under pressure is released to effect a reduction of the pressure in the receiving device and thereafter to close said different communication and reestablish the supply communication to the receiving device, a valve device so constructed and arranged as to terminate the supply of fluid under pressure to the receiving device, and means variously conditioned responsively to each successive operation of the valve means for so governing the operation of the said valve device as to cause it to limit the pressure re-established in the receiving device to successively lower values following each successive time the valve means operates to reduce the pressure in the receiving device.

2,417,212

FLUID-PRESSURE CONTROLLED VALVE

Robert H. Peterson, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application December 12, 1942, Serial No. 468,769
10 Claims. (Cl. 137—153)

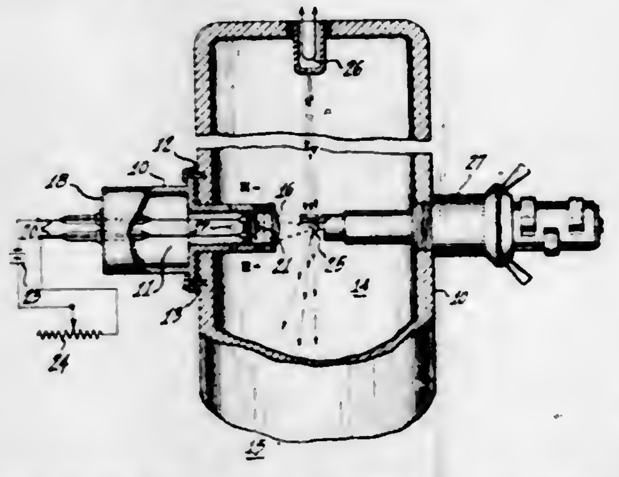


1. A pressure regulator comprising a body provided with a chamber having an entrance port in communication with a pressure source and at least one exit port and a main and an auxiliary vent to atmosphere, a control sensitive to changes in atmospheric pressure for the entrance port and the vents including a shiftable member at times covering the entrance port and having a reduced portion at times in register with the auxiliary vent for opening said vent and a second reduced portion at times in register with the entrance port to uncover the latter, a valve and means for actuating the latter to admit pressure from the source to the regulator chamber when the second reduced portion is in register with the entrance port, valve means between the shiftable member and the main vent, and means for actuating said valve means to effect closing of the main vent before the auxiliary vent is closed and the entrance port is opened.

2,417,213

DEVICE FOR INDIRECT HEATING OF MATERIALS

Robert G. Picard, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 28, 1944, Serial No. 570,091
6 Claims. (Cl. 250—49.5)

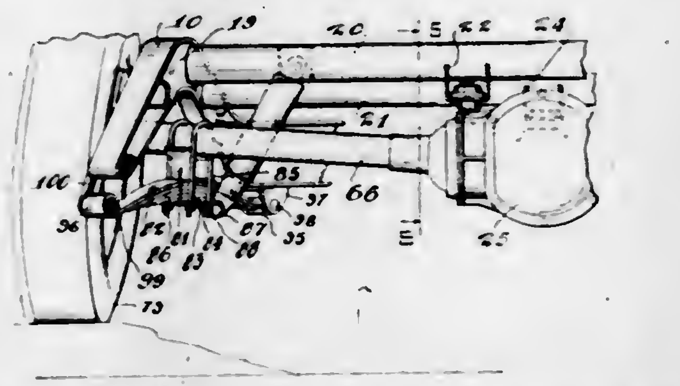


5. In a device operating under vacuum conditions, the combination of an evacuated chamber, an electron gun arranged to project an electron beam into said chamber, a holder in said chamber for mounting a specimen in the path of said beam, means including a source of heat to subject said specimen to radiated heat, and means to focus said supplemental heat upon said specimen.

2,417,214

REAR AXLE DRIVE ASSEMBLY

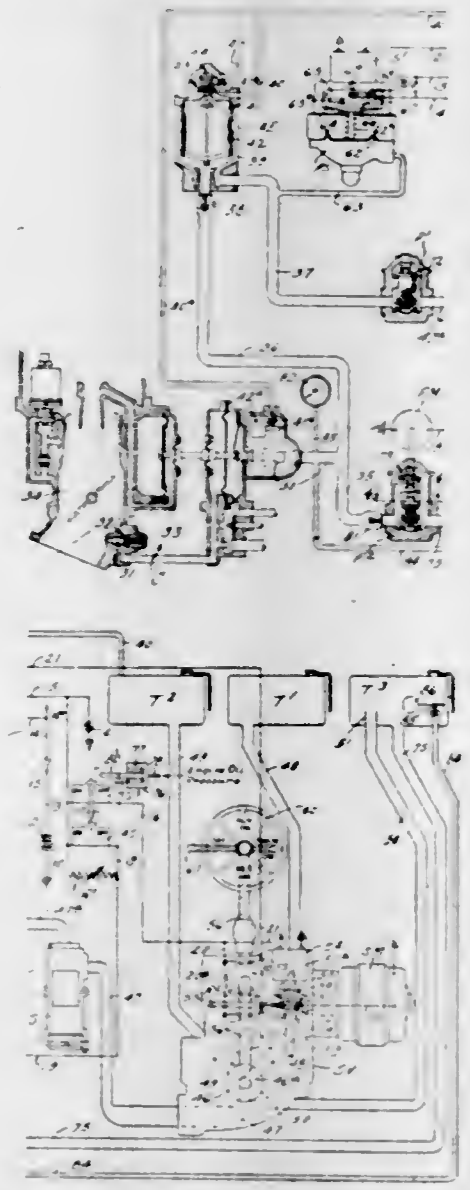
Delmar G. Roos, Toledo, Ohio, assignor to Willys-Overland Motors, Inc., Toledo, Ohio, a corporation of Delaware
Application February 25, 1944, Serial No. 523,823
4 Claims. (Cl. 180—73)



1. In an automotive vehicle, a frame including a pair of side rails; a pair of spaced transversely extending members connecting said side rails; a differential housing; means for supporting said differential housing from the rearmost of said members at two transversely spaced points; a single connection between the forward portion of said differential housing and the other of said

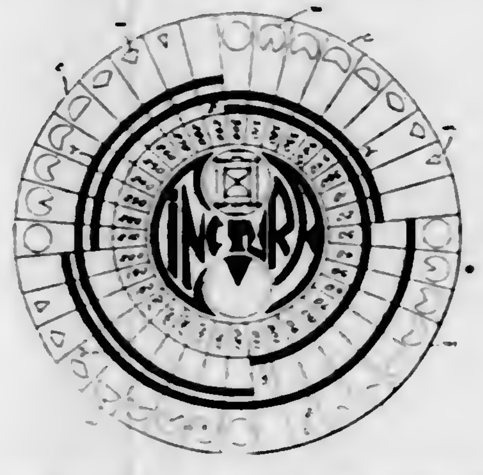
members; a pair of axles; a ball joint connecting each of said axles to said differential housing; each of said points of connection between the rearmost member and the housing being arranged adjacent one of said ball joints; a pair of leaf spring assemblies; each of said spring assemblies having its ends pivotally connected to the frame side rails; means for rigidly securing an intermediate portion of each spring assembly to one of the axles; a driving shaft contained within each of said axles; a vehicle wheel secured upon the extremity of each driving shaft; driving gear disposed in said differential housing and operatively connected to said driving shafts; said leaf spring assemblies and axles being so arranged that vertical movement of a vehicle wheel causes vertical deflection and longitudinal torsion of the spring assembly whereby equal increments of load result in unequal vertical movement of the axle at its point of connection with the spring assembly, and a shock absorber connecting each spring assembly with one of said transversely extending frame members.

2,417,215
AUTOMATIC AUXILIARY FUEL PUMP SYSTEM
Howard A. Satterlee, Bryan, Ohio, assignor to The Aro Equipment Corporation, Bryan, Ohio, a corporation of Ohio
Application August 25, 1941, Serial No. 408,233
12 Claims. (Cl. 158—36.3)



1. An auxiliary fuel pump system comprising a plurality of fuel tanks, a main fuel pump for pumping fuel from said tanks to a fuel consuming device, a selector valve located between said tanks and said main fuel pump for selecting the tank from which fuel is taken, a fuel pressure switch communicating with the outlet of said main fuel pump for controlling said selector valve, an auxiliary fuel pump having an inlet connected to one of said fuel tanks and an outlet connected to said fuel consuming device, said auxiliary fuel pump having a high pressure by-pass and a low pressure by-pass from said outlet to said inlet, an electric motor for operating said auxiliary fuel pump, a circuit for said electric motor controlled by said fuel pressure switch, a resistance for said motor to effect rotation thereof at slow speed to cause said low pressure by-pass to function and said auxiliary pump to thereby deliver fuel at low pressure to said fuel consuming device, a switch for shunting said resistance to effect rotation of said motor at high speed to cause said high pressure by-pass to function and said auxiliary pump to thereby deliver fuel at high pressure to said fuel consuming device, said last switch being manually opened upon starting the operation of the fuel system, and means responsive to the operation of said fuel consuming device to automatically move said last switch to closed position.

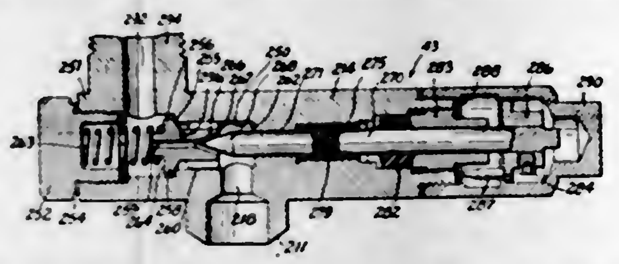
2,417,216
GAME
Lewis H. Sayre, Portland, Oreg.
Application January 26, 1945, Serial No. 574,701
3 Claims. (Cl. 273—130)



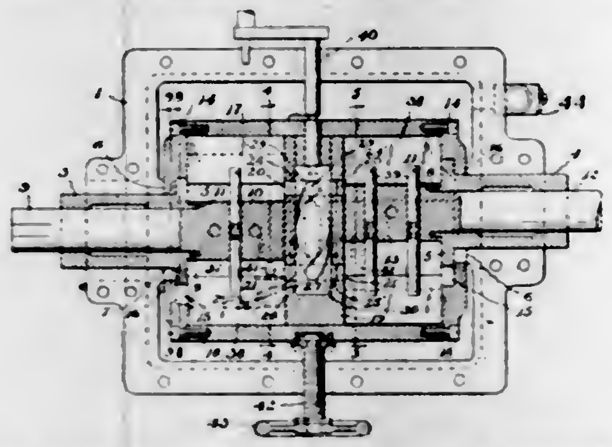
3. A game apparatus comprising a symmetrical game board divided into equal peripheral radially extending spaces numbered in a predetermined space, playing cantles equal in number to the number of board spaces and intended to be removably applied to the board to form extensions of the latter, the cantles also forming sets of equal number, each cantle in a set having an individual marking denoting the order of such cantle in its set assembled around the board, each set having two other markings characteristic of such set, one of such markings being identical with a marking on one adjacent set, the other marking being identical with a marking on the other adjacent set.

2,417,217
FLUID FLOW CONTROL DEVICE
Henry Schreck, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Application May 8, 1943, Serial No. 486,193
1 Claim. (Cl. 277—29)

In a discharge valve assembly for a high pressure plunger type pump, a structure forming a valve body having an inlet and an outlet, a valve seat in said body providing communication between the inlet and the outlet, a valve coacting with said seat, a spring urging the valve into closing position on said seat, said valve having a passage extending therethrough, and an adjustable throttling element mounted in the inlet of the valve body coacting with said passage when the valve approaches seating position, the valve being so formed as to provide a second passage therein establishing a continuously open path for fluid flow through the valve at all times, whereby to prevent complete obstruction of flow by the throttling element, or otherwise, in any position of the valve.



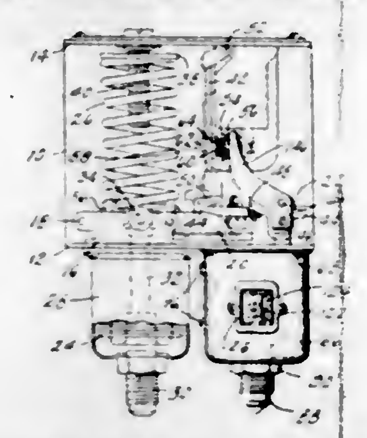
2,417,218
ROTARY VARIABLE-SPEED HYDRAULIC TRANSMISSION
Robert S. Segsworth, Toronto, Ontario, Canada, assignor to General Engineering Company (Canada) Limited, Toronto, Ontario, Canada
Application September 16, 1942, Serial No. 458,561
7 Claims. (Cl. 60—53)



1. A variable speed transmission comprising a casing, a drive shaft journalled in one end of said casing, a driven shaft having its axis axially spaced from and parallel but non-coaxial with the axis of said drive shaft, a radial vane type rotor mounted on each of said shafts, aligned and rigidly connected cylinders having inter-communicating ports in their adjacent ends enclosing said rotors and engaging the vanes thereof and mounted for simultaneous adjustment in a direction transverse to the axes of said shafts and rotors whereby the volumetric displacement per revolution of one rotor is utilized to drive the other rotor in a direct ratio to the adjustment of the enclosing cylinder.

2,417,219
HIGH SIDE CUTOUT UNIT FOR SWITCHES
Burton E. Shaw, Bristol, Ind., assignor to Penn Electric Switch Co., Goshen, Ind., a corporation of Iowa
Application June 29, 1943, Serial No. 492,679
5 Claims. (Cl. 200—83)

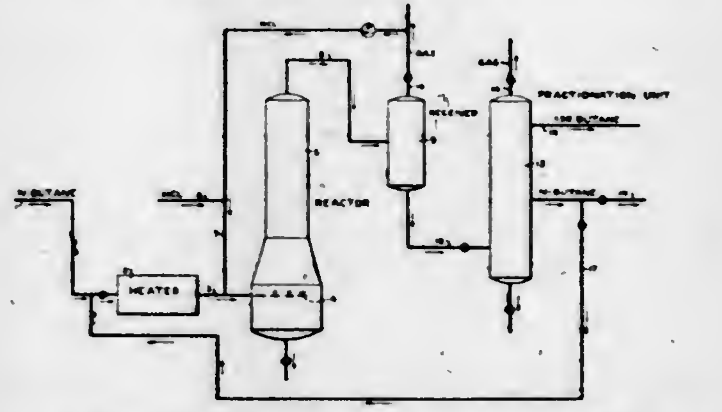
1. An actuating unit comprising a casing for attachment to a control housing, a frame in said casing, pressure responsive means within said casing and having a threaded fitting projecting through said frame and from said casing to the exterior thereof for attachment to a pressure line, a lock nut on said fitting for mounting said pressure responsive means relative to said frame, an actuating lever pivoted to said frame, a range spring connected to said actuating lever and having an adjusting screw carried by said frame and projecting through said casing for operation from the exterior thereof, said range spring normally effecting engagement of said actuating lever with said pressure responsive means, and a toggle spring interposed between said actuating lever and said frame to effect snap action of said actuating lever, said actuating lever, said range spring, said adjusting screw and said toggle spring being all mounted within said casing.



2,417,220
MANUFACTURE OF 2,6-DIMETHYLHEPTANOIC ACID
Lee Irvin Smith, Minneapolis, Minn., and George F. Rouault, Whiting, Ind., assignors to Regents of the University of Minnesota, Minneapolis, Minn., a corporation of Minnesota
No Drawing. Application March 11, 1944, Serial No. 526,126
5 Claims. (Cl. 260—531)

1. Process of preparing compounds having the 2,6-dimethylheptanoyl radical from a compound of the group consisting of geraniol, citral, citronellol and citronellal which comprises reducing said compound to the corresponding saturated primary alcohol, esterifying the alcohol with a higher fatty acid, pyrolizing the ester to the olefin, 3,7-dimethyloctene-1 and oxidizing the olefin to the next lower saturated carboxylic acid.

2,417,221
CATALYTIC ISOMERIZATION
William R. Smith, Port Arthur, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application January 11, 1946, Serial No. 640,584
9 Claims. (Cl. 260—683.5)



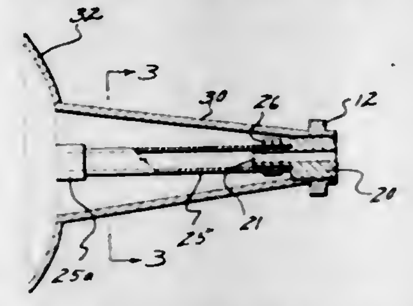
1. A continuous method of isomerizing saturated hydrocarbons which comprises maintaining

within a vertical reaction zone a substantially static column of liquid catalyst consisting essentially of complex formed by reacting a Friedel-Crafts metallic halide in the presence of hydrogen halide with hydrocarbons which are substantially free from aromatic constituents, continuously introducing saturated feed hydrocarbon to the lower portion of said zone, passing the introduced hydrocarbons comprising C_4 hydrocarbons in dispersed liquid phase upwardly through the liquid column by difference in density in the presence of a small amount of hydrogen halide at an elevated temperature at least sufficient to effect substantial isomerization and not in excess of about 300° F., the height of said liquid catalyst column being such that substantial isomerization occurs in a single passage of feed hydrocarbons through the column, maintaining the volume of liquid catalyst in the column substantially greater than the volume of hydrocarbons undergoing treatment therein, maintaining the top of said catalyst column below the point of isomerized hydrocarbon discharge from the reaction zone, continuously removing from the top of said liquid catalyst column within the reaction zone a hydrocarbon phase containing isomerized hydrocarbons which is substantially free from dissolved metallic halide, introducing metallic halide to said catalyst column, and regulating the amount so introduced such that the complex is maintained at a predetermined level of activity and is characterized by having an absolute heat of hydrolysis in the range from substantially above 213 to about 341 calories per gram of complex.

2,417,222
SPRAY DEVICE

Carl A. Stine, Van Nuys, Calif., assignor to Turco Products, Inc., Los Angeles, Calif., a corporation of California

Application November 13, 1944, Serial No. 563,176
5 Claims. (Cl. 299—18)



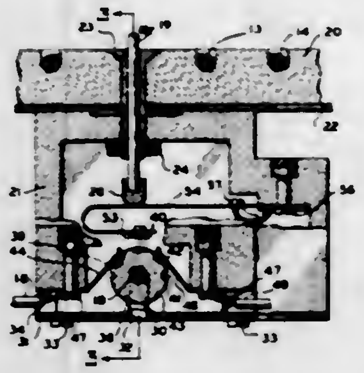
1. A spray device comprising a rigid spray nozzle adapted to pass fluid under pressure, a freely flexible extension tube secured to the discharge end of the nozzle and suspended therefrom whereby to be swingable in response to action of fluid under pressure discharged therethrough, and a rigid, trumpet-shaped guard having its smaller diameter end secured to the nozzle around the tube and having its larger diameter portion surrounding the discharge end of the tube whereby to limit the swinging movement of the tube.

2,417,223
ELECTRIC STOVE CONTROL

Aniceto R. Visitacion, New York, N. Y.

Application August 3, 1946, Serial No. 688,327
3 Claims. (Cl. 219—37)

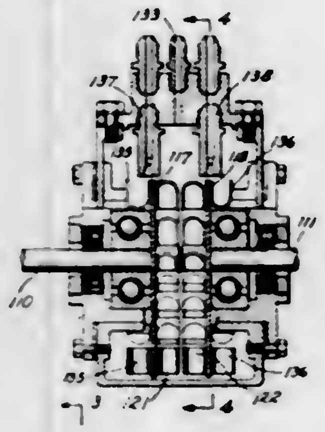
1. An electric stove apparatus comprising a heater element having a pair of independent heater filaments mounted on a refractory plate having a central aperture, a rotatable conductor drum having a completely cylindrical portion at one end thereof and three conductor strips axially extending therefrom toward the other end, a spring, a contactor supported on said spring opposite said cylindrical portion and adapted to close contact with said cylindrical portion upon flexure of said spring, a plunger extending through said plate aperture to slightly above said plate and operatively positioned relative to said spring to flex said spring to make contact between said drum cylindrical portion and said contactor upon depression of said plunger, as by a utensil placed upon said plate, a pair of brushes disposed opposite said drum conductor strips and adapted to contact one or both of said strips upon proper orientation of said drum, said brushes being connected respectively to one end of each of said filaments, the other ends of said filaments being connected together and to an input terminal and a second input terminal being connected to said spring, whereby said contactor and cylindrical portion serve as a cut-off switch for said filaments, and said brushes and conductor strips serve as a selector switch for connecting one or the other or both said filaments to said input terminals.



2,417,224
DIFFERENTIAL TURBINE FOR FLUID TRANSMISSION

Albert J. Weatherhead, Jr., Shaker Heights, Ohio, assignor to The Weatherhead Company, Cleveland, Ohio, a corporation of Ohio

Application January 6, 1944, Serial No. 517,163
1 Claim. (Cl. 253—25)

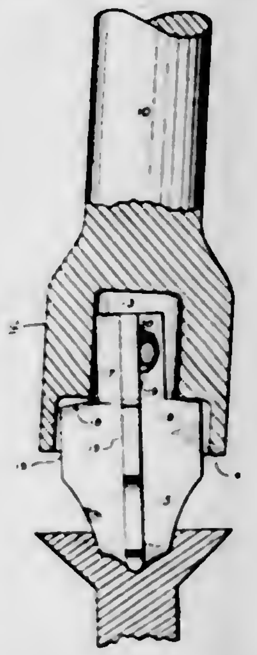


A differential turbine comprising a casing, a pair of aligned shafts journalled in said casing, a set of turbine blades arranged circumferentially about each of said shafts and positioned closely adjacent each other, said blades being cupped and having their concave sides facing in the same direction, a second set of blades carried by each of said shafts, said second sets of blades being cupped and having their concave sides facing in the opposite direction to the first mentioned set of blades, an inlet nozzle formed in said casing arranged to direct a stream of fluid under pressure at the adjacent side edges of the concave faces of said first mentioned set of blades, an outlet opening in said casing spaced circumferentially from said inlet nozzle, spaced auxiliary nozzles aligned with said outlet opening and arranged to direct fluid against said second sets of blades and auxiliary outlet openings for said second sets of blades aligned with said inlet nozzle.

2,417,225
SCREW DRIVER

Maxwell A. West and George E. West, Portland, Oreg., assignors to Challenger Corporation, Portland, Oreg., a corporation of Oregon

Application February 29, 1944, Serial No. 524,422
2 Claims. (Cl. 145—50)

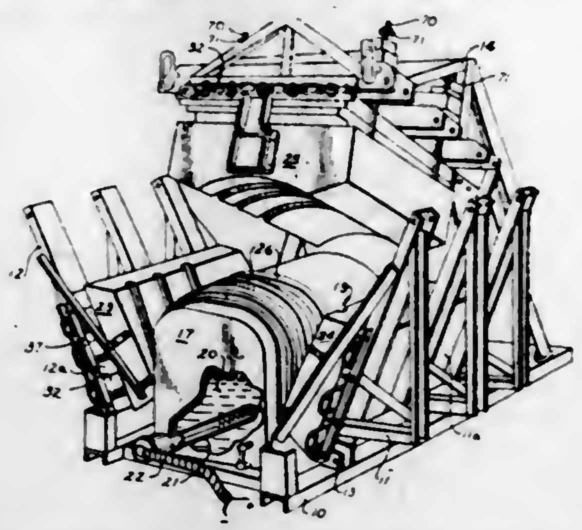


1. In a screw driver a shank, a cylindrical cavity in the end of said shank concentric with the shank axis, a plurality of identical symmetrically-spaced longitudinally-extending slots in the wall of said cavity, said slots extending inwardly from the end of the shank and parallel to the shank axis, the length of said slots being less than the length of said cavity, the radial depth of said slots being substantially less than the thickness of the shank wall about said cavity, a movable bit in said cavity, said bit having wings corresponding to said slots, the thickness of said wings being less than the width of said slots, the radial extent of said wings from the bit axis being less than the radial distance of the bottoms of said slots from the shank axis, each of said wings having an identical cut away portion at the inner end of the bit, a shoulder on each wing between said cut away portion and the main wing section, said shoulders adapted to engage the inner ends of said slots respectively, said cut away portions being reduced sufficiently to allow clearance between the reduced wing portions and the cavity wall, the length of said reduced wing portions being less than the distance between the inner ends of said slots and the inner ends of said cavity, and a pin extending diametrically through said shank and cavity, said pin extending through a hole in said bit, said hole being of larger diameter than said pin, whereby said bit can be given limited universal movement out of axial alinement with said shank when necessary, and pressure on said bit by said shank causing said slot ends to engage said shoulders will tend to bring said bit into axial alinement with said shank.

2,417,226
DEVICE FOR MOLDING OF VENEER STRUCTURES

Romer G. Weyant, Elkhart, Ind., assignor to Superior Industries, Incorporated, Goshen, Ind., a corporation of Indiana

Application March 13, 1944, Serial No. 526,187
4 Claims. (Cl. 144—281)

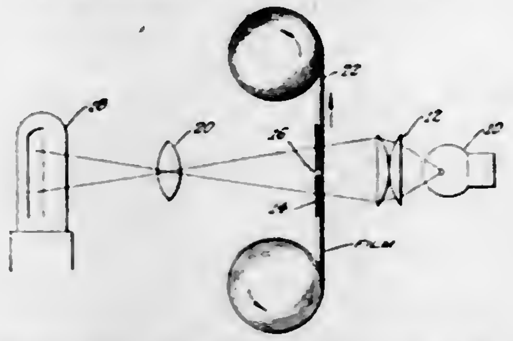


1. A veneer press comprising a rigid mandrel, a movable frame surrounding said mandrel, a sectional die secured to said frame and movable therewith and having internal rigid surfaces mating with the external surfaces of said mandrel when said frame is moved into closed position, means for uniformly heating said mandrel and a plurality of extensible, fluid tight, flexible pressure exerting members overlying each section of said sectional die and disposed between said frame and said sectional die for applying pressures to the separate sections of said rigid sectional die after the said frame is moved into closed position.

2,417,227
SCANNING DEVICE

Alexander Wolf, Houston, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

Application December 24, 1943, Serial No. 515,485
3 Claims. (Cl. 179—100.3)



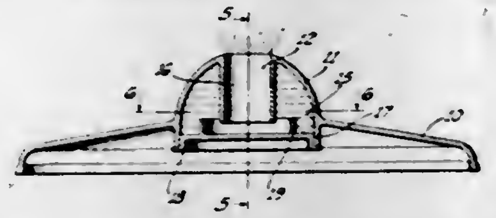
1. A scanning device for converting parallel record tracks of varying opacity on a moving film strip into a number of correspondingly varying electric currents, which comprises a light source, a plurality of devices responsive to variations in light from said source, means for moving said film strip longitudinally across a beam of light from said source to said light-responsive devices, a mask containing a plurality of slits, each slit being disposed between said film strip and one of said light-responsive devices, an objective lens in the path of light emerging from said film strip, means for converging light from said source through the tracks on said film strip and onto said objective lens, said objective lens forming a real image of each record track in the plane of a

corresponding slit, and a lens in the path of light emerging from each slit for converging said emerging light onto one of said light-responsive devices.

2,417,228

SPRINKLER

Stanley W. Yoder, Los Angeles, Calif.
Application September 15, 1945, Serial No. 616,586
6 Claims. (Cl. 299—114)

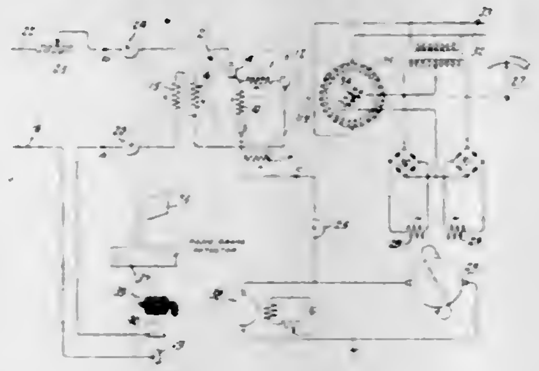


1. A sprinkler comprising a circular chamber, an inlet to said chamber arranged substantially tangentially thereof, an outlet positioned centrally at one end of said chamber, a recess in the other end of said chamber having an annular wall, a tubular flange on said outlet extending within said chamber to a point within said recess, said tubular flange and said annular wall forming between them a restricted annular passage to the interior of said tubular flange.

2,417,229

ELECTRIC COMPUTER

Ernst F. W. Alexanderson, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application April 17, 1942, Serial No. 439,404
10 Claims. (Cl. 235—61)



1. An electric computer comprising inductively related stator and rotor members, a pair of similarly angularly displaced energizing windings of a known number of turns on both stator and rotor members with their flux axes lying in the same plane perpendicular to the axis of rotation, connections for energizing said windings with currents, the values of which represent computing factors and regulating means controlled in response to the rotary position of said rotor member for regulating one of said currents independently of all of the other exciting currents.

2,417,230

PRODUCTION OF TARTARIC ACID

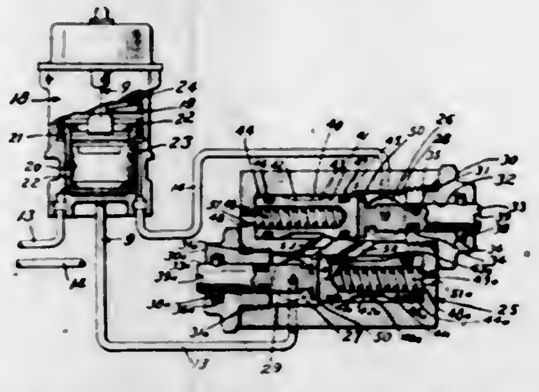
William Edward Barch, Freeport, N. Y., assignor to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware
No Drawing. Application October 12, 1943, Serial No. 506,010
5 Claims. (Cl. 260—536)

1. A process for production of d-tartaric acid, which comprises oxidizing a reaction mass containing initially calcium 5-keto gluconate, oxalic acid in substantial amount whereby calcium is precipitated and a vanadium catalyst by means of nitric acid, and separating d-tartaric acid thus produced.

2,417,231

SAFETY CONTROL DEVICE FOR CLOSED HYDRAULIC SYSTEMS

Arthur A. Bell, Santa Monica, Calif., assignor to Adel Precision Products Corp., a corporation of California
Application October 13, 1945, Serial No. 622,167
4 Claims. (Cl. 60—54.5)

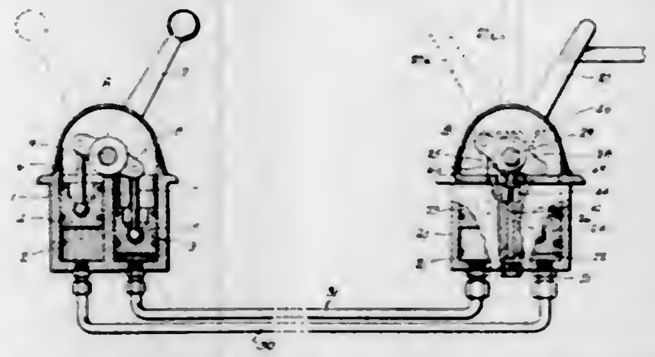


1. In a closed hydraulic motion transmitting system in which the fluid lines between a master unit and a motor unit are placed under an initial pressure, a safety control device comprising: a body having passages, one for each fluid line and adapted to be connected in series with the respective lines; said body having bores communicating with the respective passages, and ports connecting each passage with the other bore; piston elements mounted in said bores and having valving portions controlling said ports to normally close same under the action of fluid pressure in the respective lines maintaining said elements in one position; and springs urging the respective piston elements to a second position with a force less than that required to maintain the piston elements in said one position, and in which second said position the valving portions open the respective ports.

2,417,232

HYDRAULIC PULSATOR TRANSMISSION AND CONTROL SYSTEM

Earle C. Bohall, Oklahoma City, Okla., and Wallace R. Bohall, Seattle, Wash.
Application July 11, 1944, Serial No. 544,452
3 Claims. (Cl. 60—54.5)

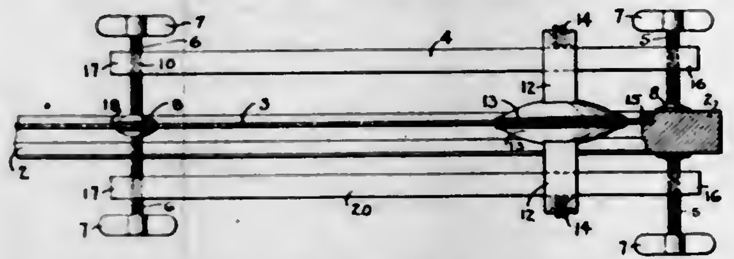


2. In a closed hydraulic system of control, a transmitter unit comprising paired cylinders, pistons operable therein, a rock shaft, a cross arm on the shaft operatively connected at its ends with the pistons, an actuator lever for the shaft, a receiver unit comprising paired cylinders, pistons operable therein, a rock shaft, a cross arm on the shaft operatively connected at its ends to the pistons, pressure conduits connecting the cylinders of the transmitter unit with those of the receiver unit in a manner whereby the rock shaft of the receiver will be caused to rotate in accordance with rotative adjustment of the rock shaft of the transmitter, an auxiliary reservoir in the receiver unit for a hydraulic pressure medium, channels from said reservoir to opposite sides of the hydraulic system, back check valves in said channels, cams on the rock shaft of the receiver unit, each for opening one of said valves when the shaft has been actuated to one of its extreme positions.

2,417,233

WINDOW WIND BRACE

William J. Buford, Houston, Tex.
Application September 6, 1943, Serial No. 501,379
1 Claim. (Cl. 20—40)

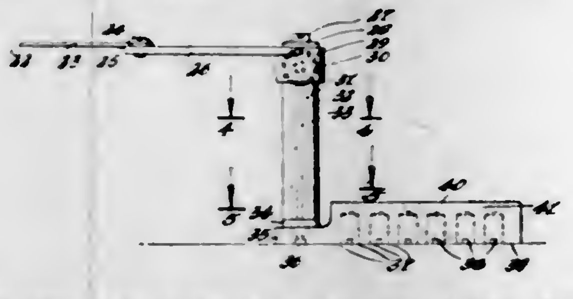


A window brace including a pressure member to bear against the glass at the point to be supported, a plurality of brace members extending therefrom, and adjustable means adhering to the glass at points spaced from the pressure member so as to cause said brace members to force the pressure member against the glass.

2,417,234

TOOL SETTING HEIGHT GAUGE

Andreas Frederick Otto Calow, Albany, N. Y.
Application June 8, 1944, Serial No. 539,280
1 Claim. (Cl. 33—185)



A gauge, comprising, in combination, an elongated base including a substantially heavy body portion and an end portion located upon one side of said body portion and being of lesser height than said body portion, magnets in said body portion for holding the gauge upon a magnetizable surface, a cylindrical standard vertically mounted on said end portion, said end portion having a counterbore formed therein for receiving the lower end of said standard, said standard having an enlarged collar portion adjacent the lower end thereof and engaging the upper surface of the end portion of said base, a tubular sleeve swingably mounted upon said standard, the diameter of said sleeve being the same as that of the collar portion, whereby said sleeve forms a continuous supporting surface therewith, means preventing substantial axial movement of said sleeve on said standard while permitting rotation of said sleeve on said standard, an arm having a sleeve portion swingably and slidably mounted on said sleeve, means for locking the sleeve portion of said arm at various heights on said sleeve, and a pointer swingably mounted upon the outer end of said arm.

2,417,235

DRILLING FLUID

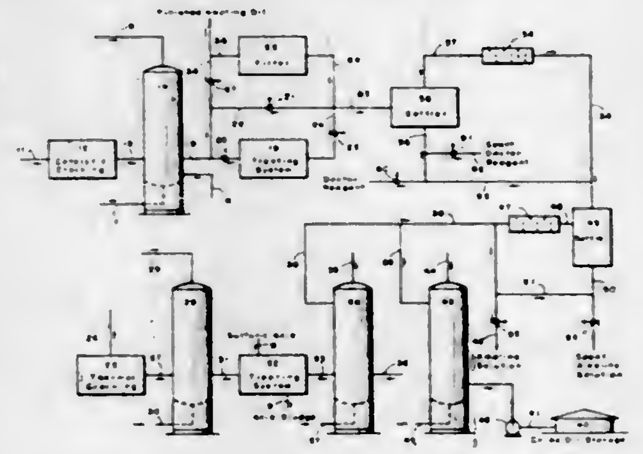
George E. Cannon, Houston, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application May 10, 1943, Serial No. 486,423
2 Claims. (Cl. 252—8.5)

1. A method for reducing water loss by filtration in drilling fluid including a suspension of solid mineral matter in water which comprises suspending a water-soluble starch ester of a low molecular weight aliphatic acid in said fluid.

2,417,236

HEATING OIL

Artie Q. Cato, Houston, George Wash, Galveston, and Albert J. Shmidl, Houston, Tex., assignors to Standard Oil Development Company, a corporation of Delaware
Application January 2, 1945, Serial No. 571,100
1 Claim. (Cl. 196—150)

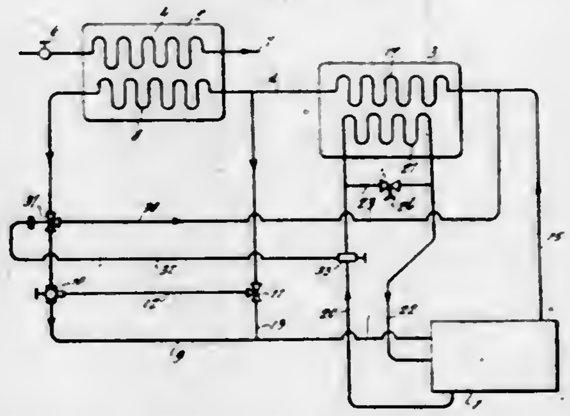


A composition prepared for use as a distillate-type heating oil comprising chemically unrefined catalytically cracked naphtha distillate and chemically refined crude petroleum and thermally cracked naphtha distillates, said composition boiling within the range of about 350° F. and 700° F. and having a Tag-Robinson color no less than of the order of 15 after being subjected to storage under atmospheric temperature for approximately six weeks.

2,417,237

COOLING SYSTEM FOR INTERNAL-COMBUSTION ENGINES

Edward F. Chandler, Brooklyn, N. Y.
Application January 31, 1945, Serial No. 575,498
14 Claims. (Cl. 123—174)



9. A system for controlling the temperature of the jacket water and that of the lubricating oil of an internal combustion engine, which includes a lubricating oil heater and a jacket water

cooler, means for circulating jacket water from the engine through said heater and said cooler and for returning the same to the engine, means for circulating lubricating oil from the engine through said heater and back to the engine, and means governed by the heat of the lubricating oil being circulated controlling the temperature of the jacket water leaving the engine.

2,417,238
POLYMERIZATION OF ALPHA-METHYLENE MONOCARBOXYLIC ACID ESTERS

Robert Edward Christ, Elizabeth, and Barnard M. Marks, Newark, N. J., assignors to E. I. du Pont de Nemours & .Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 26, 1943, Serial No. 500,136

8 Claims. (Cl. 260—83)

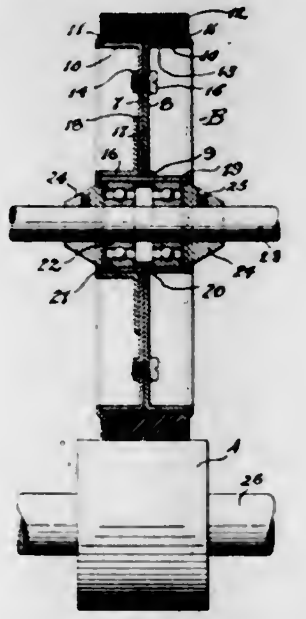
6. Process of casting polymerizable compounds to form shaped articles, which process comprises subjecting a polymerizable compound from the group consisting of the esters of acrylic, alpha-chloroacrylic, and methacrylic acids, in bulk to polymerizing conditions in the presence of a catalyst mixture consisting, by weight of said compound, of 0.0025%–0.5% of an organic-peroxy compound, 0.001%–0.05% of sulfur dioxide, and 0.01%–1.5% of a liquid 1,3-dioxolane.

2,417,239
SPINNING ROLL FOR SPINNING AND DRAWING FRAMES

Edward J. Courtney, Oaklyn, N. J.

Application April 4, 1946, Serial No. 659,489

5 Claims. (Cl. 19—142)



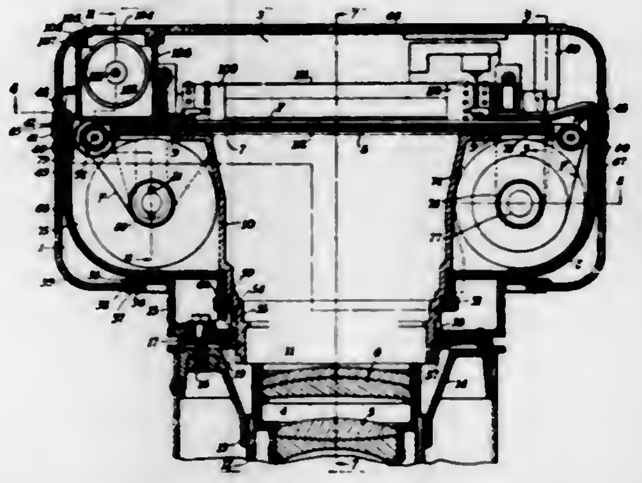
1. A spinning roll for spinning and drawing frames and the like comprising a pair of complementary stamped sheet-metal disks arranged reversely to one another and having central registering apertures and each being provided with a peripheral annular flange normal to the body of the disk, the flanges cooperating to provide a seat for a cover, one of said disks being provided with a stamped sheet metal flanged collar, the collar portion being normal to the body of the disk and the flange thereof being fastened to the said disk, an elongated sleeve fitting within said collar and extending to either side substantially beyond the faces of the pair of disks, bearing means within the sleeve having a non-rotative shaft receiving portion, a shaft fitting within said portion of the bearing means, releasable positioning means on the shaft adapted to bear against the non-rotative portion of the bearing means, means for securing the disks in back to back relation, and an annular cover carried by the flanges of the disks.

2,417,240
ROLL HOLDING CAMERA

Chester W. Crumrine, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application January 22, 1944, Serial No. 519,308

4 Claims. (Cl. 95—31)



4. A roll holding camera comprising, in combination, a two-part film magazine, one of said parts being formed with an exposure aperture, a camera body carrying an objective, a tubular supporting member, means for connecting one end of said member to said one part with said aperture positioned in alignment with the opening of said member, said member extending in telescoping relation through the other part of said magazine and into said body, a shoulder formed on said member and adapted to engage a complementary section on said other part to accurately position the latter on said member relative to said one part, means for detachably connecting said other part to said supporting member intermediate said body and said one part, cooperating members on said body and the opposite end of said supporting member to accurately position said body on said supporting member to space said objective the proper distance from said aperture and in alignment therewith, means for detachably connecting said body to said opposite end, said one part and said body having aligned walls the ends of which are adjacent but slightly spaced, a wall member on said other part having a portion extending between the spaced ends of said body and said other part, and a gasket carried by said portion and engageable by said spaced ends to form a light-tight connection between said magazine parts and said body.

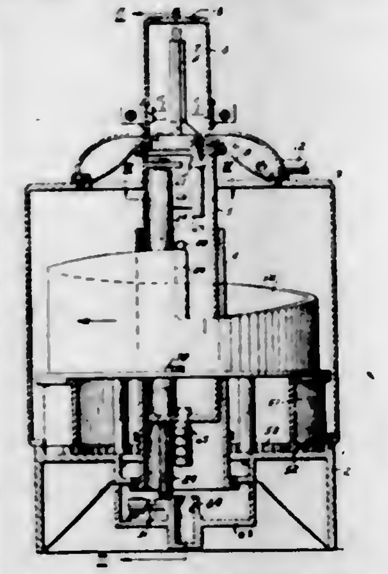
2,417,241
CLEANING AND WASHING MACHINE

Ivanhoe Peter Denyssen, Yeadon, and Richard W. Stanley, Drexel Hill, Pa., assignors to American Viscose Corporation, Wilmington, Del., a corporation of Delaware

Application June 6, 1942, Serial No. 446,016

16 Claims. (Cl. 134—152)

1. In apparatus for cleaning objects, means for holding the object to be cleaned, means for spraying a cleaning fluid against said object, means for oscillating, at substantially uniform linear speed, the object back and forth past the spray means, and means for intermittently moving the object past the spray means in a direction transverse to the direction of oscillation.

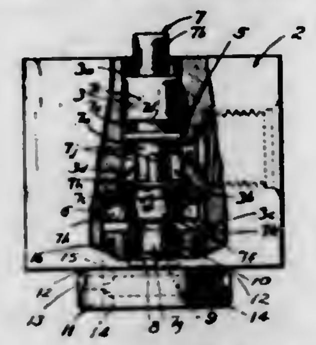


2,417,242
PLASTIC VALVE

Vincent W. Eckel, Tujunga, Calif., assignor to Adel Precision Products Corp., a corporation of California

Application November 19, 1943, Serial No. 510,985

7 Claims. (Cl. 251—132)



6. In a valve, a body member having a bore provided with a main portion, a counterbore at one end of said main portion, and a second counterbore contiguous the first named counterbore, a port opening into said main portion, a port opening into said second counterbore, a shaft rotatably and axially movably mounted in said bore, a piston-like structure carried by said shaft and longitudinally movable from said main portion into said first named counterbore and vice versa, said piston-like structure sealing said main portion against fluid flow between said ports when positioned therein, means operable upon rotation of said shaft to a predetermined position to move the shaft and its piston like structure out of sealing relationship with said main portion at a point between said ports and other means effective upon rotation of said shaft to another position to move said shaft and piston like structure axially into sealing relation with said main portion, both of said means being disposed in said second counterbore.

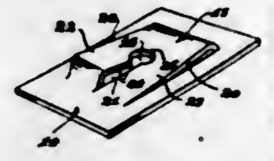
2,417,243
SHEET METAL NUT

Ronald Edgar Eggert, Burbank, Calif., assignor to Adel Precision Products Corp., a corporation of California

Application January 1, 1945, Serial No. 570,956

4 Claims. (Cl. 85—36)

1. In a lock nut, a resilient sheet metal body portion, and an elongated resilient bridge portion integral therewith and for the most part outwardly offset therefrom and provided with a circular opening for reception of a screw threaded fastening, said bridge portion being severed longitudinally between its side edges from one end thereof so as to intersect one side only of said opening and being relatively inclined and distorted so that the marginal portion thereof around said opening is helically pitched for a screw threaded engagement with a screw threaded fastening turned in said opening, said bridge portion being in integral formation with said body portion along a part of one side edge of the bridge portion as well as at both ends thereof.

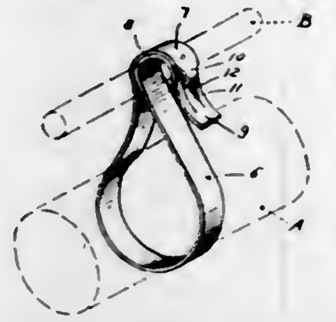


2,417,244
HANGER FOR CABLES AND THE LIKE

Ronald Edgar Eggert and Leonard Carl Brose, Burbank, Calif., assignors to Adel Precision Products Corp., a corporation of California

Application January 1, 1945, Serial No. 570,954

5 Claims. (Cl. 248—61)



1. In a hanger for cables and the like, a resilient normally open loop for embracing a cable or the like, hooks formed on the free ends of said loop constructed and arranged to be hooked under tension one over the other in nested relation to close the loop with the innermost of the nested hooks disposed so that it may be hooked onto a messenger wire or object for supporting the hanger, locking means embodied in portions of said hooks arranged to interlock incident to hooking said hooks to one another, a resilient locking tongue on said innermost hook disposed to lie beneath said wire or object to prevent accidental dislodgement of the hanger therefrom, and an extension of said innermost hook projecting from the bill end of the other hook so that it may be manipulated to release said locking means whereby said hooks may be disengaged to open the loop.

2,417,245
SELF-LOCKING CLIP

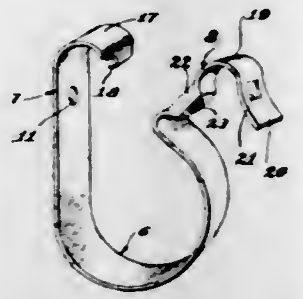
Ronald Edgar Eggert and Leonard Carl Brose, Burbank, Calif., assignors to Adel Precision Products Corp., a corporation of California

Application January 25, 1945, Serial No. 574,526

4 Claims. (Cl. 248—74)

1. In a clip for supporting a conduit or a bundle of wires, a resilient metal strap bent to form an open loop for embracing a conduit or bundle of wires, outwardly extended end portions on said loop normally in spaced opposed relation to one another and adapted to be brought together to close the loop, one of said end portions

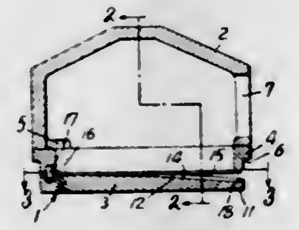
being bent over adjacent the outer extremity thereof to form a large hook facing inwardly toward the loop and having a reduced free end which is rebent to form a locking hook, the other of said end portions being bent over to define a protuberant portion shaped to hook into said large hook and having an opening therein to receive said locking hook to hold said end portions in interlocked engagement with one another, and a finger piece constituting the outer extremity of the second named end portion, extending from said protuberant portion and subject to manipulation to disengage the protuberant portion from said hooks; said first named end having an opening therein between the large hook thereon and the loop proper for reception of a fastening for securing the clip to a support.



2,417,246
VALVE MECHANISM

Alexander D. Ferguson, Michigan City, Ind., assignor to Joy Manufacturing Company, a corporation of Pennsylvania

Application December 18, 1942, Serial No. 469,432
2 Claims. (Cl. 251—119)



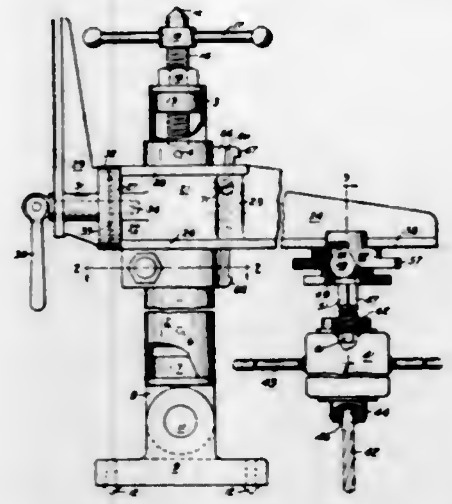
1. In a valve mechanism, in combination, means providing a port, a valve seat surrounding said port, a bowed flexible valve member having its concave side cooperating with said valve seat for controlling the flow of fluid through said port, means for loosely holding one end of said valve member, a guard member for limiting the opening movement of said valve member, a channel of substantially uniform depth formed in said guard member and having a bottom surface curving outwardly from the held end of said valve member, said channel providing a close fit for said valve member on opening movements of the latter, and means for restricting the escape of fluid from the outer end of said channel on receiving said valve member whereby a fluid cushion is provided for the latter.

2,417,247
DRILL RIG

Scott A. Fuller, Oakland, Calif.

Application December 20, 1944, Serial No. 568,953
6 Claims. (Cl. 77—27)

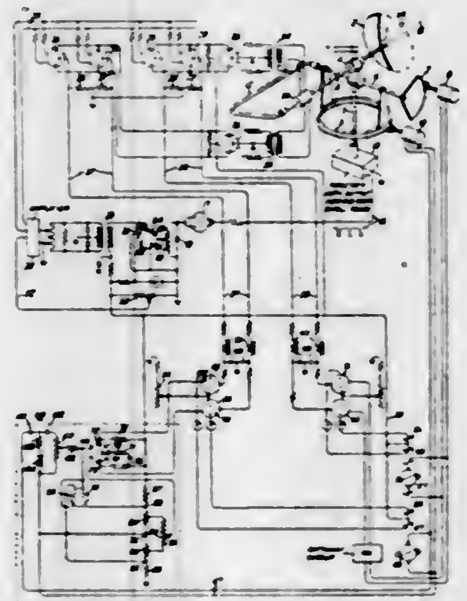
1. A drill rig of the character described comprising a supporting column, an arm extending laterally of the column, a sleeve to which the arm is secured and adjustable rotatably about the column and axially thereof, means for locking the sleeve to the column in adjusted position, a second arm connected to the sleeve, and a feed screw having means for selectively engaging either arm.



2,417,248
PULSE DIRECTION FINDER

Sidney Godet, Albany, N. Y., assignor to General Electric Company, a corporation of New York

Application July 30, 1943, Serial No. 496,740
5 Claims. (Cl. 250—1.54)

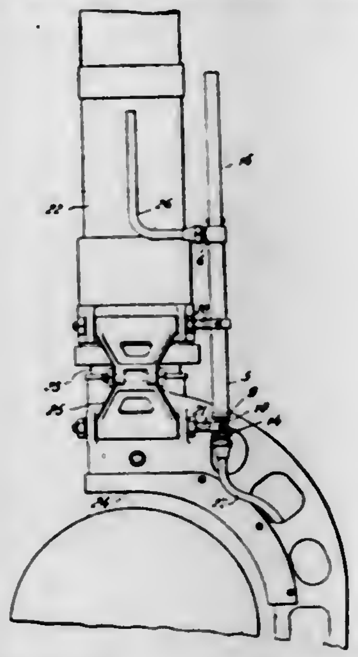


1. In combination, a radio antenna system having an axis of orientation, means to render said antenna system more responsive to waves from a direction at a small angle to said axis than from any other, means to rotate said direction about said axis of orientation, means to radiate pulses and to receive echoes thereof on said antenna from a remote object, whereby said echoes vary cyclically in intensity in accord with said rotation and also vary in intensity in accord with the range of said remote object and in accord with the variations in the reflecting surfaces of said object with movement thereof from which said echoes are received, means to maintain the output from said receiving means within a narrow range of variation in intensity notwithstanding wide variation in range to said object, said output being subject to rapid variation over said range in response to said variation in the reflecting surfaces producing said echo, means to produce cyclical variations of constant amplitude from said output notwithstanding said variation in said output over said range, and means responsive to said cyclical variation.

2,417,249
CONSTANT VOLUME CONNECTION FOR FLUID CONDUITS

Owen H. Griswold, Trenton, N. J., assignor, by direct and mesne assignments, of one-half to Kaiser Fleetwings, Inc., a corporation of California, and one-half to The Glenn L. Martin Company, Baltimore, Md., a corporation of Maryland

Application June 27, 1944, Serial No. 542,274
9 Claims. (Cl. 244—111)

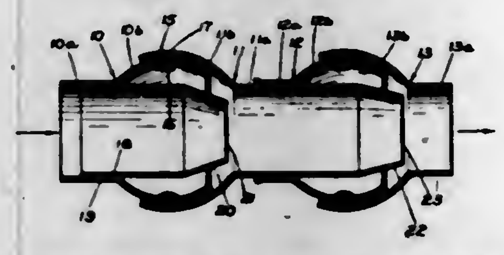


8. In a constant volume connection for aircraft hydraulic brake systems, the combination of a shock-absorbing strut, a wheel frame, a pair of tubular telescoping and intercommunicating members mounted respectively on the shock-absorbing strut and wheel frame, the inner member extending beyond each end of the outer member, connections to deliver fluid under pressure to and from the members, the inner member having such means at one extending end thereof, packing between each pair of opposite ends of the members to prevent escape of fluid, the other extending end of the inner member being plugged and adapted to engage the adjacent packing when the members are extended whereby the total volume of the members remains uniform regardless of their relative movement, a dust cap surrounding the plugged end of the inner member and secured to one end of the outer member, and a wiper secured to the other end of the outer member and engaging the periphery of the inner member.

2,417,250
FLEXIBLE JOINT

George W. Harvey, Glenburn, Calif., assignor to Solar Aircraft Company, San Diego, Calif., a corporation of California

Application April 17, 1945, Serial No. 588,809
5 Claims. (Cl. 285—92)

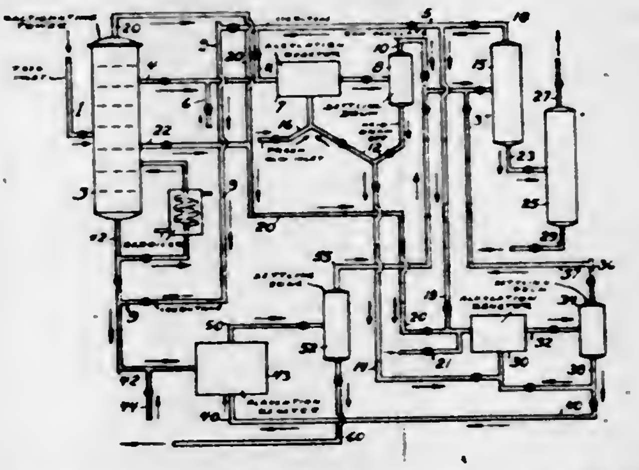


1. A flexible joint for use in a conduit conveying gases in one direction at pressures above the ambient pressure and comprising cooperating upstream and downstream hollow ball and socket members, each having a spherical section in sliding nesting relation with the spherical section of the other member, and a tubular section extending away from the spherical section, the tubular section of the upstream member being extended downstream into the spherical section of that member for directing the gases into the tubular section of the downstream member, and the tubular section of said downstream member being extended into the spherical section of that member and into overlapping relation with the said extended portion of said upstream member, said extended portion of the downstream member being of substantially larger diameter than the extended portion of the upstream member to permit substantial angular movement between said upstream and downstream members without contact between said extended portions thereof.

2,417,251
ALKYLATION PROCESS

Charles E. Hemminger, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application October 22, 1942, Serial No. 462,899
4 Claims. (Cl. 260—683.4)



1. A combined method of converting a hydrocarbon fraction containing C_3 to C_7 olefins into substantially saturated hydrocarbons boiling in the gasoline range comprising alkylating the C_4 olefins from the C_3 to C_7 fraction with isobutane in the presence of concentrated sulfuric acid of alkylation strength in a first stage and alkylating the C_3 and C_5 to C_7 olefins from this fraction with isobutane in the presence of sulfuric acid of alkylation strength less concentrated than said concentrated sulfuric acid at a temperature above 35° F. in a second stage and maintaining the external isoparaffin to olefin ratio lower in the second stage than in the first stage.

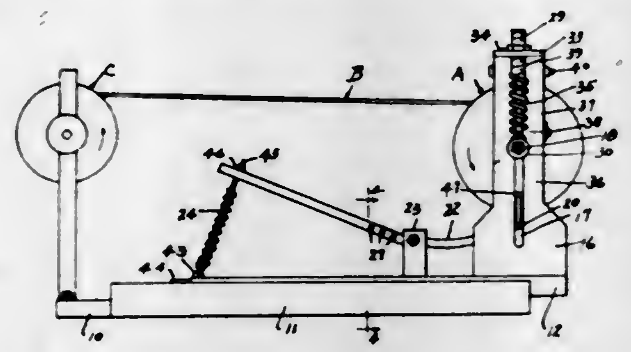
2,417,252
TENSION EQUALIZING DEVICE

Albert Johnson, New York, N. Y.

Application August 4, 1945, Serial No. 608,981
4 Claims. (Cl. 242—156)

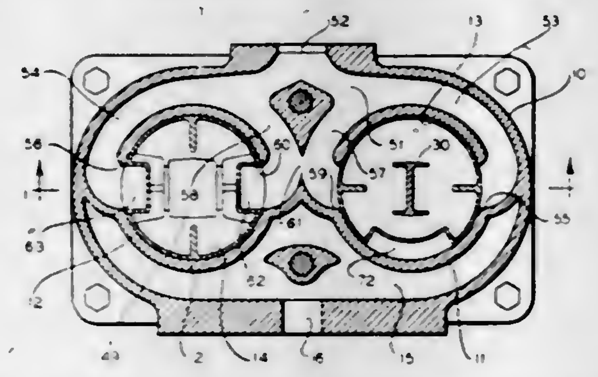
1. In a device for equalizing the tension on a strand of material required to effect the unwinding thereof from a spool having a quantity of said material thereon and mounted on a cross shaft, a support, a pair of spaced standards affixed to said support and each formed with an upwardly extending slot opening through the opposite side faces thereof to dispose the slots in transverse alignment with each other for guidedly receiving therein the said cross shaft for reciprocatory and rotary movements with the spool arranged between the standards, a lever pivoted intermediate its length upon said support to dis-

pose the opposite ends thereof for vertical swinging movement, a cross shaft secured to one end of said lever, a brake shoe rockably mounted on said cross shaft on each side of said lever upon which the spool is supported and frictionally engages when rotated to effect unwinding of the strand, a coiled contractile spring connected between the opposite end of said lever and the support for resiliently supporting upon said brake shoes the weight of the spool and material wound thereon, a longitudinally extending base for said support, means mounting said support for longitudinal reciprocatory movement thereon and a coiled contractile spring connected with said base and said support for tensioning the support against the tension on the strand required to effect unwinding thereof from the spool.



2,417,253
TWO-CYCLE GAS ENGINE

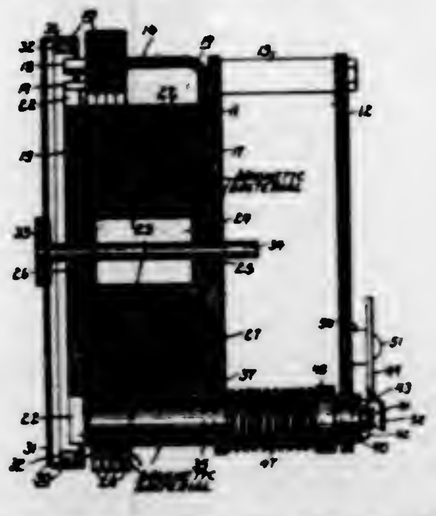
Frederick M. Jones, Minneapolis, Minn., assignor to U. S. Thermo Control Co., Minneapolis, Minn., a corporation of Minnesota
Application April 17, 1944, Serial No. 531,449
7 Claims. (Cl. 123—59)



5. A unitary two-cycle two-cylinder gas engine, comprising a unitary engine casing and a pair of cylinders formed thereby, a piston in each cylinder, said pistons operative alternately in opposite directions therein, an enlarged section of each cylinder and of each piston forming conjointly a separate charging chamber for each piston, an independent gas inlet passageway in the casing common to both cylinders and having branches extending to opposite sides of each cylinder and ported thereinto at the ends of each of said branches, said pairs of ports being opened and closed in alternation by the successive inward and outward strokes of the pistons and being of large cross-sectional area to accommodate rapid free flow of inlet gas into the respective charging chambers, and a pair of passageways formed in each piston in vertical alignment with said port openings and positioned on the pistons so that toward the end of an inward stroke of the piston when its charging chamber has been expanded to nearly its full size said piston passageways will simultaneously open the ports from said common gas inlet passageway to effect introduction of inlet gas at the end of the inward stroke of first one piston and then the other piston in continuous alternation.

2,417,254
SYNCHRONOUS ELECTRIC ALARM-CLOCK MECHANISM

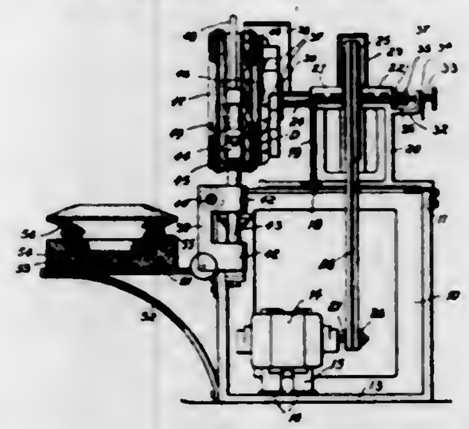
Andrew W. Kelly, Bristol, Conn., assignor to The Sessions Clock Company, Forestville, Conn., a corporation of Connecticut
Application March 23, 1945, Serial No. 584,286
10 Claims. (Cl. 177—7)



1. A synchronous electric alarm clock mechanism, including in combination: a synchronous electric motor stator structure having a ring-like energizing coil, two complemental pole pieces respectively of opposite instantaneous polarities and together providing a hollow structure in which the said energizing coil is located; a rotor unit extending adjacent both of the complemental pole pieces of the stator structure in position to be synchronously rotated thereby; and a rod-like vibrating armature having its longitudinal axis extending in substantial parallelism with the axis of rotation of the said rotor unit, the said rod-like armature extending closely adjacent both of the said complemental pole pieces in position to provide a magnetic flux path between the two said pole pieces and in position to be vibrated by the alternating magnetic flux developed in the said pole pieces by the said energizing coil.

2,417,255
CLAY SPREADER

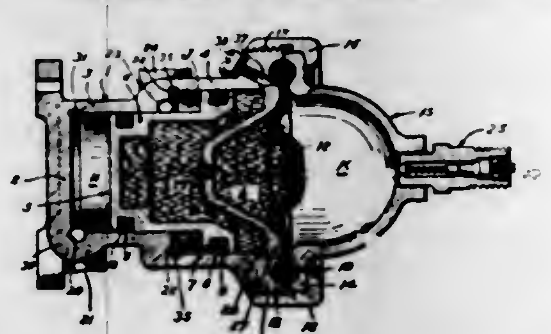
Frank M. Kinnard, Sebring, Ohio
Application October 25, 1945, Serial No. 624,435
15 Claims. (Cl. 25—22)



1. A clay working machine including a rotating spreader tool, a mold and a movable block having opposite working faces arranged to be alternately moved into position adjacent to the spreader tool and adjacent to the mold.

2,417,256
COMPENSATOR-ACCUMULATOR UNIT FOR HYDRAULIC SYSTEMS

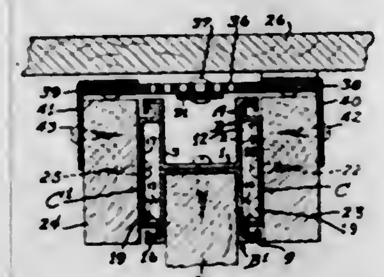
Arthur E. Kremiller, Glendale, Calif., assignor to Adel Precision Products Corp., a corporation of California
Application August 20, 1943, Serial No. 499,429
11 Claims. (Cl. 138—31)



1. In a temperature change compensator-accumulator unit for hydraulic systems, a substantially cylindrical housing, a flexible elastic diaphragm mounted as a partition in said housing and defining between one end of the housing and one face of the diaphragm a chamber for retaining air under pressure, a valved intake for said air chamber, a pair of coaxial cylinders in said housing between the other face of said diaphragm and the other end of said housing, one of the cylinders being of greater diameter than the other, a dual piston unit having one piston portion reciprocably mounted in one of said cylinders and its other piston portion reciprocably mounted in the other of said cylinders whereby fluid-containing compensating chambers are provided in said cylinders between portions of the cylinder and the heads of the piston portions, a port through which fluid may flow to and from each of said compensating chambers, members providing for the connection of said ports with the fluid lines of a hydraulic system, and means providing for movement of the dual piston unit responsive to movement of said diaphragm.

2,417,257
EXTENSION TABLE SLIDE ASSEMBLY

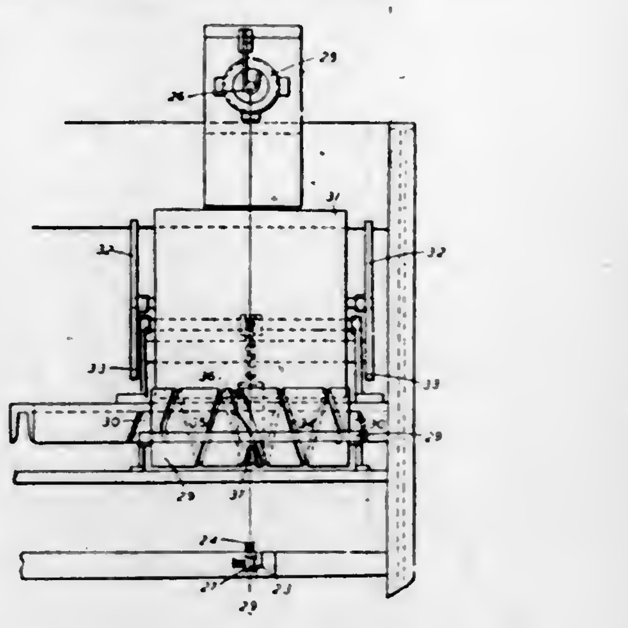
Richard R. Lowe, San Francisco, Calif., assignor to Beatrice Minnie Lowe, Ruth Marie Jacobs, Clifford Osborne Lowe, Hazel Adelaide Berg, and himself, as joint tenants
Application June 19, 1945, Serial No. 600,266
6 Claims. (Cl. 311—73)



6. In combination, a central support having channels on opposite rectangular sides, tongues slidable in the channels and being movable beyond either end of the central support, means for limiting the movement of the tongues in both directions, a table top rail carried by each tongue, a rack carried by each rail, a table frame for supporting the central support, a strap carried by the frame and extending along the top of the support, an equalizing gear rotatably carried by the strap and meshing with the racks, and angle-shaped guards carried by the rails and overlying the rails, said guards also overlying the portions of the gear meshing with the racks, whereby the gear will be held in mesh with the racks at all times, said strap being free to move laterally within predetermined limits so that the gear can adjust itself while rotating between the two racks.

2,417,258
MACHINE FOR WINDING YARN

John Pringle Mackie, Belfast, Northern Ireland, assignor to James Mackie and Sons Limited, Belfast, Northern Ireland, a British company
Application May 4, 1944, Serial No. 534,104
In Great Britain May 10, 1943
4 Claims. (Cl. 242—43)



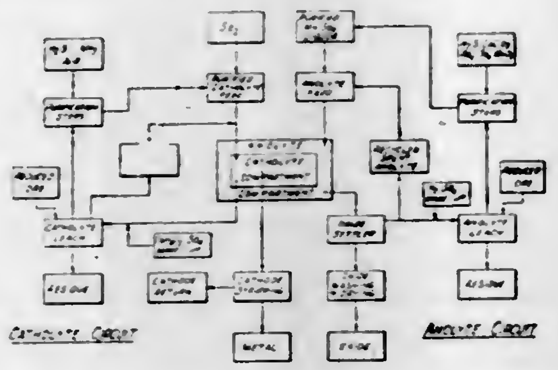
1. In a winding device for cross-winding rolls of yarn, the combination of a guide member for the yarn, a roller with a helical groove in its surface free from crossing points with other grooves, means for rotating said roller, an arbor for supporting the roll of yarn as it is wound, and a breastplate between said guide member and said helically grooved roller, said breastplate having an outwardly bulged curved surface over which the yarn is stretched in its passage to the said helically grooved roller, the pull of the yarn from said guide member under the control of the curved surface of the breastplate being adapted to control the return traverse of the yarn over the surface of the helically grooved roller, after it leaves the groove therein adjacent an end of said roller said surface of the breast plate being shaped to retard the traverse of the yarn in the first part of its return while the stretch of the yarn over said breast plate is increasing, and to accelerate the traverse of the yarn in the last part of its return in which the stretch of the yarn over said breast plate is becoming less.

2,417,259
ELECTROLYTIC PROCESS FOR PREPARING MANGANESE AND MANGANESE DIOXIDE SIMULTANEOUSLY

Thomas Austin Mitchell and Donald Cooper Mitchell, Torrance, Calif., assignors to American Manganese Corporation, Dover, Del., a corporation of Delaware
Application April 15, 1942, Serial No. 439,038
8 Claims. (Cl. 204—96)

1. A process for winning manganese and preparation of manganese dioxide which comprises electrolytically depositing metallic manganese on a cathode from an alkaline catholyte containing

manganese and ammonium sulfates, and simultaneously electrolytically forming manganese dioxide at an anode in an anolyte containing manganese sulfate and sulfuric acid the weight ratio of oxide to manganese being about two to one, said catholyte containing initially about 75 grams of manganese sulfate and about 200 grams of ammonium sulfate, from about 5 to about 10 grams free ammonia and from about 0.2 to 0.5 gram sulfur dioxide per liter and said anolyte having a concentration during electrolysis from about 100 to about 200 grams of manganese sulfate and from about 50 to 100 grams of sulfuric acid per liter, said catholyte and anolyte being circulated and maintained separate throughout the action.



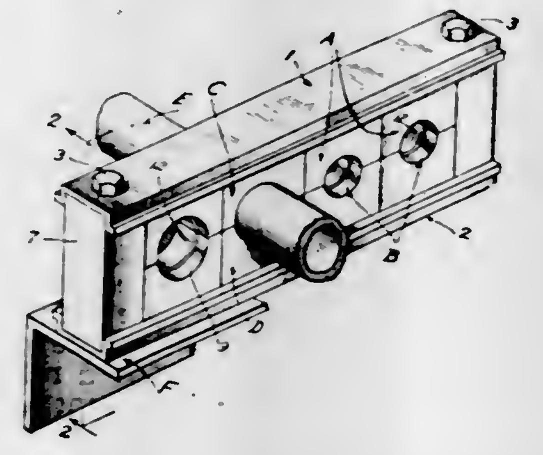
2,417,260

SECTIONAL SUPPORT FOR CONDUITS

Eugene M. Morehouse, Tujunga, Calif., assignor to Adel Precision Products Corp., a corporation of California

Application August 18, 1942, Serial No. 455,195

2 Claims. (Cl. 174—135)



1. In a support for a group of conduits, a plurality of independent conduit supporting units each in the form of a block having a conduit receiving opening and separable portions movable to permit of mounting the conduit in said opening and so that the block may surround and support said conduit, and means for releasably clamping said units together in an aligned group with the units clamped on the conduits, including rigid elongated metal frame members between which the group of units are mounted, fastenings securing said frame members together to hold the group of units therebetween, and independent electrically conductive strips carried by said units within said openings for contact with the conduits therein and extended to lie between the units and the metal frame members in contact with the latter and so that portions of said strips extend at right angles to said frame members and lie between the units in contact with one another to bond the units to one another.

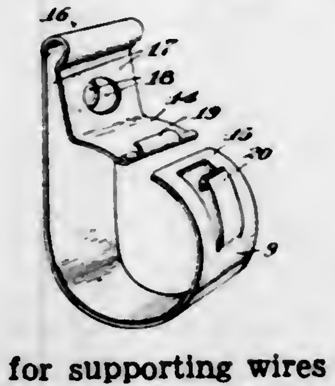
2,417,261

HARNESS CLIP WITH SAFETY LOCK

Eugene M. Morehouse, Tujunga, Calif., assignor to Adel Precision Products Corp., a corporation of California

Application June 2, 1944, Serial No. 538,468

4 Claims. (Cl. 248—74)



1. In a clip for supporting wires or a conduit, a metal strap bent into an open loop having normally spaced apart ends adapted to be brought together to clamp the loop around wires or a conduit, and means for locking said ends to one another upon forcing the ends together including portions of one end arranged to straddle the other end and having portions abutting each other in a flatwise face-to-face manner to prevent such relative movement of the ends inwardly and outwardly of the loop as would unlock them, one of said abutting portions terminating in a locking hook.

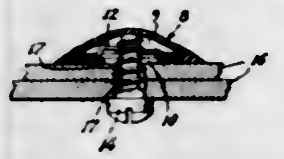
2,417,262

SEALING NUT

Eugene M. Morehouse, Tujunga, Calif., assignor to Adel Precision Products Corp., a corporation of California

Application June 25, 1945, Serial No. 601,381

3 Claims. (Cl. 85—36)



1. In a sealing nut, a button-like member of yieldable and resilient material such as rubber or the like axially dimensioned so that the marginal portions thereof are relatively thin and flexible, and a nut enclosed within said member, there being a screw-receiving opening extending into said member whereby a screw may be turned therein to threadedly engage said nut, said button-like member having a pocket therein for reception of the nut whereby the nut is replaceable.

2,417,263

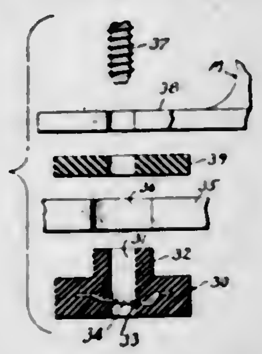
CUSHIONED NUT

Eugene M. Morehouse, Tujunga, Calif., assignor to Adel Precision Products Corp., a corporation of California

Application June 25, 1945, Serial No. 601,459

2 Claims. (Cl. 85—36)

1. In a cushioned nut unit, a pad of elastic cushioning material having a screw-receiving opening therein and a sheet metal nut united with said pad and having a screw-receiving opening therein disposed in registration with the opening in said pad, said pad and nut being so relatively arranged that one face of the pad will contact the member to which the unit is applied while the nut is yieldingly maintained by said pad in outwardly spaced relation to such member, a projection of the same material as the pad extending therefrom for entry into an opening in the member to which the nut unit is applied, through which projection is extended the screw-receiving opening in said pad.



2,417,264

LUBRICANT

Arnold J. Morway, Clark Township, Union County, and John C. Zimmer, Union, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application January 1, 1944, Serial No. 516,703

6 Claims. (Cl. 252—36)

1. An improved lubricating grease composition comprising a low pour point lubricating mineral oil distillate, 10–20% of a neutral to basic lithium soap of a soap stock selected from the group consisting of saturated fats and saturated fatty acids containing not more than 0.1% alkali calculated as NaOH and 1–2% of a soap selected from the group consisting of zinc soap and tin soap.

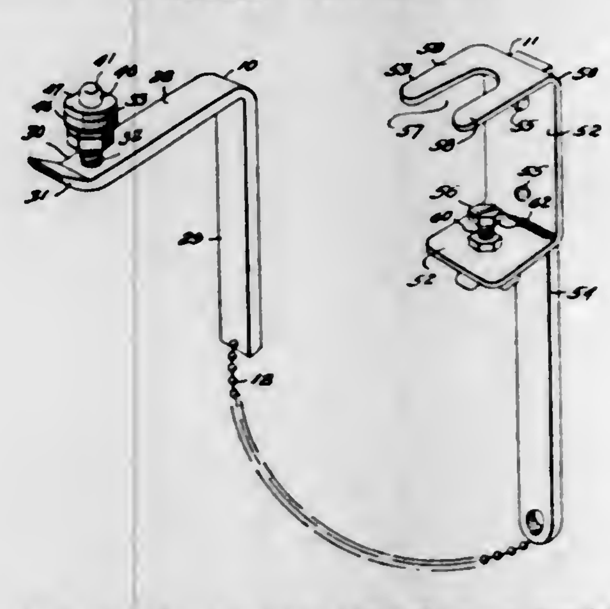
2,417,265

SPRINKLER HEAD SHUTOFF TOOL

John Arthur Nelsen, Glendale, and Harry G. Finlay, Burbank, Calif.

Application August 9, 1944, Serial No. 548,744

2 Claims. (Cl. 169—1)



1. A device for stopping the flow of liquid from a fire extinguishing sprinkler head of the character having an outlet port, a valve seat surrounding said port and a shoulder exteriorly of the port and spaced from the valve seat, said device comprising means detachably engaging said shoulder, providing an abutment axially aligned with said port and spaced from said valve seat, and a lever provided with a strut-like head portion adapted to be interposed between said valve seat and abutment, said strut-like head portion including a valve for engaging said seat and a terminal end for engaging said abutment.

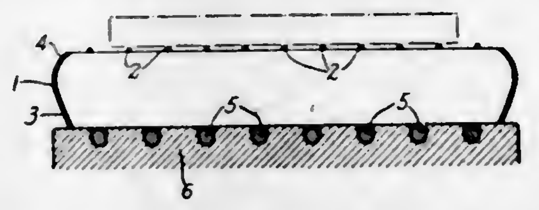
2,417,266

TOASTER

Emanuel Petrakakis, New York, N. Y.

Application February 16, 1945, Serial No. 578,218

1 Claim. (Cl. 99—447)



A toaster including a continuous circular wall having an unbroken curved inner surface and open at its top and bottom, the lower portion of the inner surface of said wall being curved from the lower end of said wall in an outward direction and the upper portion of the inner surface of said wall being curved inwardly from the first mentioned portion to the open upper end of said wall on a radius less than the radius of curvature of the first mentioned portion, and a horizontal grid supported on and at the open end of said wall, the inner surface of said wall being shiny radiant heat reflecting.

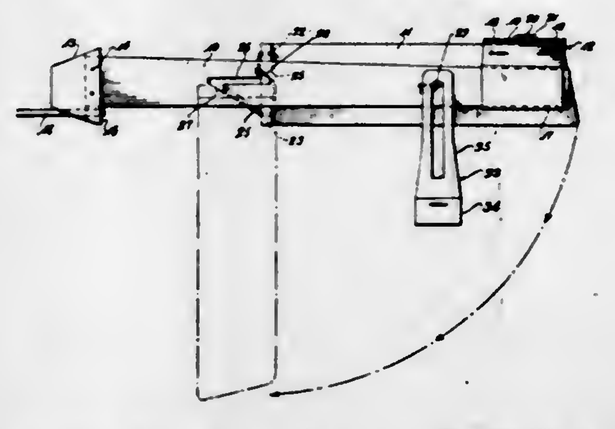
2,417,267

TOY AIRCRAFT

Harold M. Porter, Hagerstown, Md., assignor to The Mitchel-Tyler Company, Hagerstown, Md., a corporation of Maryland

Application November 27, 1943, Serial No. 511,977

9 Claims. (Cl. 46—80)



1. A toy airplane glider comprising a body, wings extending on opposite sides of said body and resilient means connecting the bases of the wings through the body at spaced points, said means constituting the sole connection of said wings to the body and to each other whereby the wings are resiliently held in gliding position but may be folded to lie flat against the body for launching.

2,417,268

INDICATING MEANS FOR THERMAL CIRCUIT INTERRUPTERS

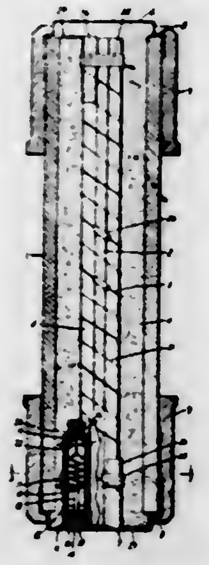
Alric H. Powell, Yeadon, Pa., assignor to General Electric Company, a corporation of New York

Application June 3, 1944, Serial No. 538,575

4 Claims. (Cl. 200—121)

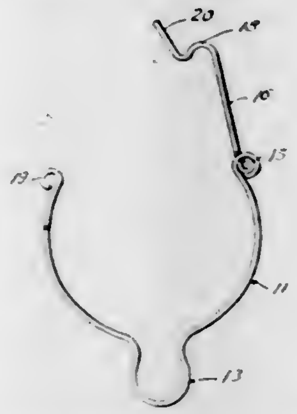
3. In an electric circuit interrupting device the combination with an insulating enclosing casing, a fusible element therein, an indicator for indicating operation of said circuit interrupting device comprising a housing of insulating material supported from one end of said enclosing casing, an auxiliary fusible element within said housing and attached thereto, and a cooperating auxiliary conducting element arranged outside of said hous-

ing, and having a terminal portion passing through the housing to define therein a gap be-



tween such portion and said auxiliary fusible element.

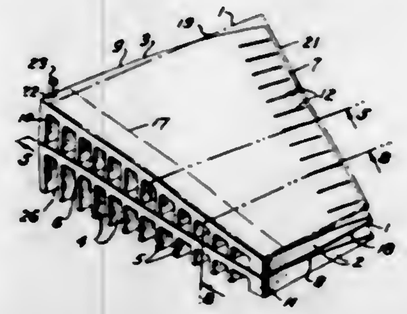
2,417,269
CONDUIT-SUPPORTED WIRE CLIP
Archibald Robertson, North Hollywood, Calif., assignor to Adel Precision Products Corp., a corporation of California
Application June 12, 1944, Serial No. 539,912
5 Claims. (Cl. 248—61)



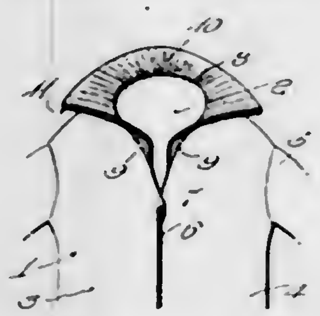
1. In a clip for supporting a wire so as to extend adjacent a conduit or the like on which the clip is to be mounted, a conduit-embracing loop having spaced end portions adapted to be brought toward one another to clamp the loop around the conduit, an open wire-embracing loop formed of a part of the material of the conduit-embracing loop and opening into the latter at a point farthest removed from said end portions, and a hook member having a substantially straight shank hingedly connected to one of said end portions for movement of the hook member into and out of position to hook said end portions together to close the conduit embracing loop and clamp it around the conduit.

2,417,270
VALVE
Hans Rutishauser, Altadena, Calif., assignor to Aerojet Engineering Corporation, Azusa, Calif., a corporation of Delaware
Application August 23, 1944, Serial No. 550,695
6 Claims. (Cl. 277—46)

1. An automatically operable valve having a central support and a substantially circular outer periphery adapted to be fitted in a circular fluid flow conduit, said valve comprising a plurality of flexible blades interleaved between rigid plates, said blades lying substantially in the direction of fluid flow, the rigid plates being provided with channel members to form channels which progressively increase in depth at the leading edge as they progress from the central support of the assembly toward the periphery, said channels being formed in the direction of fluid flow and said flexible blades being rigidly held at their forward edges against the channel members to form a side of the channels, the depth of the channels tapering to zero depth in the direction of fluid flow, so that the blades are adapted to rest against the rear edges of the channel members to close the valve and to be flexibly moved away from said rear edges by pressure on the plates to open the valve.

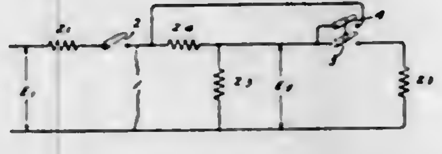


2,417,271
GARMENT
Paul Snyder, Baltimore, Md.
Application June 19, 1945, Serial No. 600,258
1 Claim. (Cl. 2—96)



A garment of the class described comprising a back section, a pair of front sections secured thereto, said back and front sections being formed of non-stretchable material and having their upper edges formed into a neckline, said neckline at the front being cut downwardly to form substantially a V and merging into the front edges of said front sections at points appreciably below the neck of the wearer and approximately the middle of the upper chest portion, a collar portion formed of stretchable material secured along its lower edges to the neckline throughout the length of the latter, the front free edges of said collar portion being aligned with and merging into the free front edges of said front sections to form substantially continuations of the latter, and separable fastener elements including teeth elements secured to and extending continuously along the front free edges of said front sections and said collar portions, and a movable slide member engaged with the teeth elements, said slide member when operated to close the garment about a person being adapted to be drawn outwardly from the apex of the V neckline to stretch said collar portion forwardly as the slide is moved upwardly and thereby prevent pinching of the neck of the wearer as the slide is shifted upwardly.

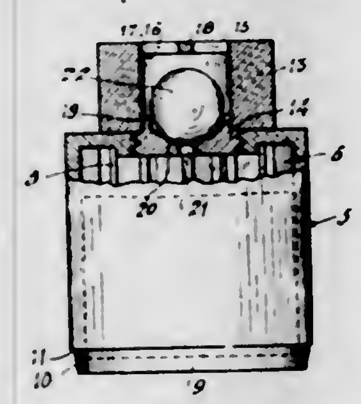
2,417,272
POWER SUPPLY AND VOLTAGE LIMITER
Thomas T. Short, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application September 6, 1944, Serial No. 552,867
9 Claims. (Cl. 171—97)



1. In combination, an electric circuit having a source end and a load end, a substantially constant voltage source of current supply having an impedance Z1 connected to the source end of said circuit, a load having an impedance Z2, means for selectively connecting said load across the load end of said circuit and disconnecting it therefrom, and means for equalizing the no load and full load voltages of the load end of said circuit comprising a pair of impedances, one of said pair of impedances being a shunt impedance Z3 permanently connected across said circuit, the other of said pair of impedances being a series impedance Z4 which carries the current of Z3 and which is short circuited at full load, the relative values of said impedances being such that

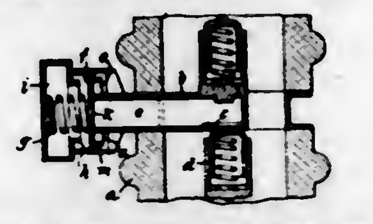
$$\frac{Z1}{Z2}=\frac{Z4}{Z3}$$

2,417,273
SALT SHAKER
George J. Staab, Springfield, N. J.
Application October 17, 1944, Serial No. 559,025
1 Claim. (Cl. 65—57)



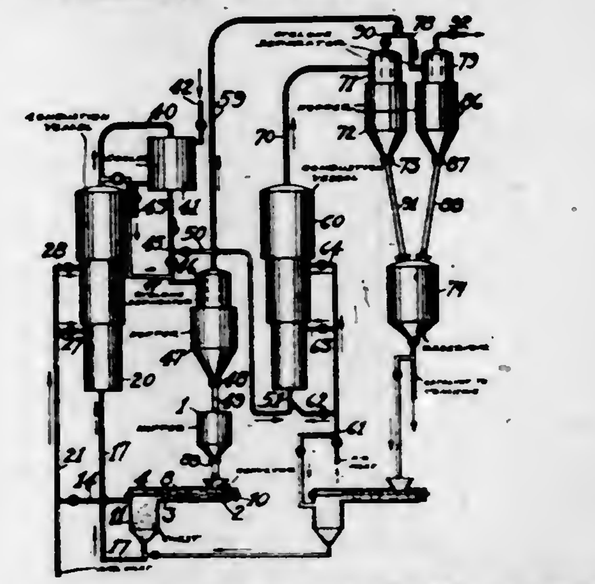
A salt shaker comprising a hollow container, a top wall having an internally screw threaded central opening, an externally screw threaded nut member fitted in said opening for detachably closing the same, said nut being formed with a solid body having a funnel-shaped outer surface and having a restricted central passage between said surface and the interior of the container, an annular upright flange integrally formed on the solid body and surrounding said funnel-shaped surface and having its inner edge of substantially greater diameter than said restricted passage, a hollow cap member secured to the outer surface of the flange and having a top wall formed with discharge orifices, and a ball valve in said cap member adapted to seat loosely on the edge of said flange for closing said passage, said ball valve and funnel-shaped outer surface being so disposed relatively that a space is provided therebetween when the ball valve is seated.

2,417,274
GAS BLAST CIRCUIT BREAKER
Hans Thommen and Alfred Halm, Baden, Switzerland, assignors to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland, a joint-stock company
Application February 18, 1944, Serial No. 522,935
In Switzerland February 18, 1943
2 Claims. (Cl. 200—148)



1. A gas blast circuit breaker comprising a tubular switch chamber formed of insulating material, a metallic end closure for said switch chamber, a hollow contact on said end closure, said end closure being provided with an internal conduit for carrying pressure gas admitted thereto through said hollow contact, said conduit being provided with an exhaust port opening to the atmosphere, a movable contact in said switch chamber adapted to engage said hollow contact and normally biased into engagement with said hollow contact, said movable contact being adapted to be disengaged from said hollow contact by pressure gas entering said switch chamber and a valve for closing the exhaust port of said conduit, said valve comprising a member normally biased to an exhaust port closing position and adapted to be opened by the flow of pressure gas from said chamber into said conduit, a housing in which said member is adapted to reciprocate and cooperating therewith in the open position thereof to provide a pressure gas storage space, said member being provided with a bleed port communicating with said gas storage space, whereby the gas pressures acting on said member will be gradually equalized by the pressure gas filling said storage space so that the normal biasing of said member will act to close said valve.

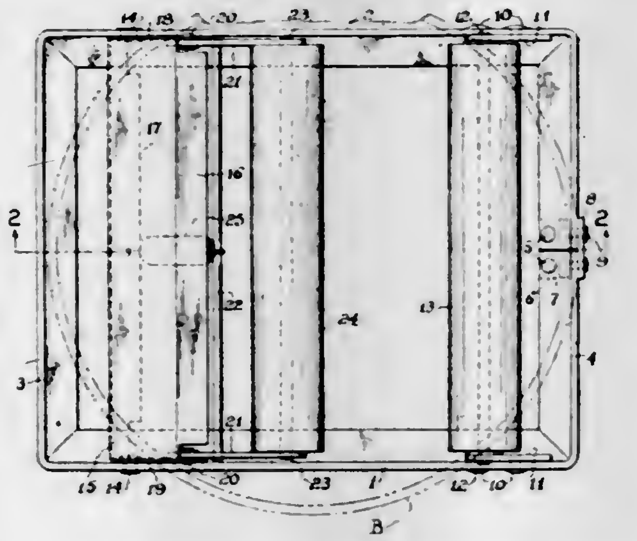
2,417,275
REGENERATION OF POWDERED CATALYST
William I. Thompson, Elizabeth, and Donald L. Campbell, Short Hills, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Continuation of application Serial No. 345,728, July 16, 1940. This application January 31, 1941, Serial No. 376,928
4 Claims. (Cl. 252—242)



1. In a method of regenerating finely divided powdered material contaminated with carbona-

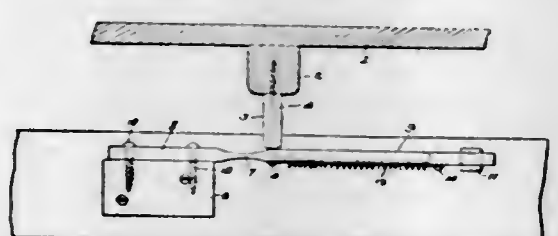
ceous deposits which comprises suspending said material in a gaseous medium containing only sufficient oxygen to partially regenerate said material by combustion of said deposits, passing said suspension through a combustion zone under suitable conditions of temperature, pressure, and time of residence, removing said suspension from said combustion zone, cooling said suspension, and repeating the process with addition of oxygen-containing gas in each of several succeeding combustion zones until the desired regeneration is effected, and wherein the temperature rise in each combustion zone ranges from 100 to 250° F., the improvement which comprises removing the suspension from the last combustion zone, separating the regenerated catalyst therefrom, and withdrawing a portion of the regenerated catalyst and recycling it without cooling to the first combustion zone.

2,417,276
MOP WRINGER
William Trostler, Cleveland Heights, Ohio
Application September 5, 1945, Serial No. 614,532
8 Claims. (Cl. 15—262)



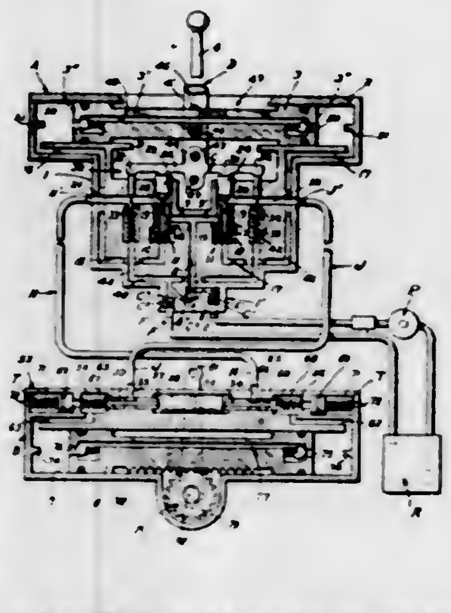
1. In a mop wringer, a base member, a stationary roll on said base member, a movable roll on said base member movable into coaction with said stationary roll, said movable roll being normally supported in rolling contact with said base member, and means carried by said base member responsive to movement of said movable roll toward said stationary roll for elevating the movable roll out of rolling contact with said base member.

2,417,277
RESONATOR FOR MUSICAL INSTRUMENTS
Archie M. Tyson, Dallas, Tex.
Application November 17, 1944, Serial No. 563,884
3 Claims. (Cl. 84—189)



1. A resonator for the sounding board of a musical instrument including an elongated element having a freely supported end, means for fixedly joining the other end to a sounding board, an intermediate portion of said element being reduced in thickness to provide a neck, and a tensioned coiled spring carried by the free end portion of the element and having its convolutions spaced from said element.

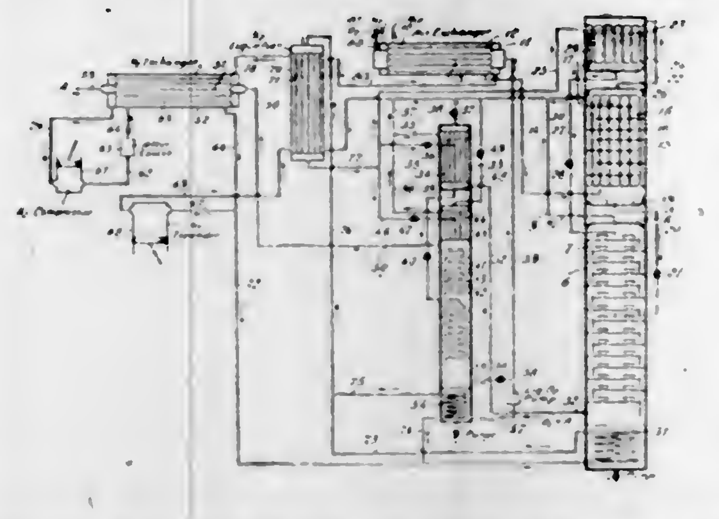
2,417,278
HYDRAULIC REMOTE-CONTROL SYSTEM
Jacob B. Van Der Werff, Pasadena, Calif., assignor to Adel Precision Products Corp., a corporation of California
Original application June 23, 1942, Serial No. 448,102, now Patent No. 2,359,949, dated October 10, 1944. Divided and this application August 30, 1944, Serial No. 551,932
11 Claims. (Cl. 60—54.5)



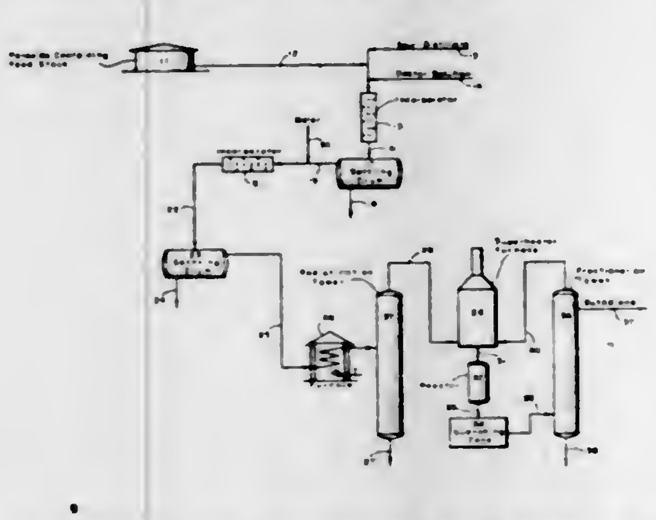
6. In a hydraulic remote control system, a fluid reservoir, a fluid pump connected to the reservoir, a master unit including a cylinder and a piston reciprocable therein, a motor unit for actuation responsive to said master unit, fluid lines connecting said pump and reservoir with opposite ends of said cylinder, other fluid lines arranged to deliver piston-displaced fluid from either end of said cylinder to said motor unit for operating the latter in either direction, valve means selectively operable for routing fluid from the pump to either end of the cylinder while directing piston-displaced fluid from the other end of the cylinder to said motor unit and at the same time routing return fluid from said motor unit to said reservoir; and control means for operating said valve means.

2,417,279
SEPARATION OF THE CONSTITUENTS OF GASEOUS MIXTURES
Claude C. Van Nuys, Greenwich, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application July 22, 1944, Serial No. 546,153
8 Claims. (Cl. 62—175.5)

1. The method of separating the constituents of ternary gaseous mixtures which comprises liquefying the gaseous mixture in two fractions by indirect heat exchange with a refrigerating liquid and thereby vaporizing the liquid, rectifying the two fractions to separate an effluent consisting of the most volatile constituent, mingling the effluent and the vaporized liquid, utilizing the mingled gases to cool and liquefy a recompressed portion thereof to afford the refrigerating liquid, utilizing the remainder of the mingled gases to cool the incoming gaseous mixture, withdrawing a vapor from the rectification consisting essentially of the other two constituents of the gaseous mixture and separating the constituents of that vapor by an auxiliary rectification.



2,417,280
PRODUCTION OF BUTADIENE
Prentiss S. Viles, Goose Creek, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application April 9, 1945, Serial No. 587,252
5 Claims. (Cl. 260—680)

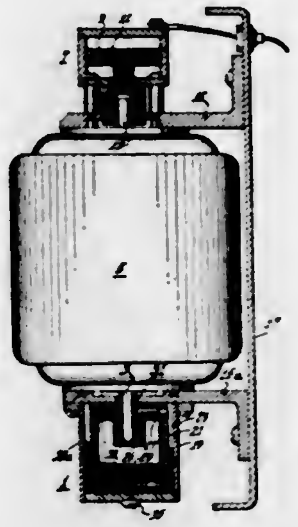


1. A method for producing butadiene including the steps of forming a feed stock from a petroleum distillate fraction and including an appreciable amount of peroxides, bringing the feed stock into contact with lead mercaptide in an amount at least sufficient to react with substantially all peroxide and reactive sulfur compounds in the feed stock, subsequently redistilling to form a non-corrosive distillate fraction free of organic peroxides and reactive sulfur compounds and a bottoms fraction and heating the distillate fraction to a cracking temperature of the order of 1300° F. to form butadiene.

2,417,281
INSTRUMENT LUBRICANT
Jones I. Wasson and John C. Zimmer, Union, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application November 10, 1944, Serial No. 562,913
2 Claims. (Cl. 252—33.4)

1. A fluid lubricating composition consisting of 96.5% di-2-ethylhexyl sebacate, 0.5% 2,6 ditertiary butyl para cresol, and 3% calcium petroleum sulfonates.

2,417,282
VISCOUS DAMPING SYSTEM
Benjamin F. Wheeler, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 30, 1945, Serial No. 575,335
1 Claim. (Cl. 188—90)



In apparatus of the character described, a shaft mounted for rotation about a vertical axis, a fluid receptacle mounted on the lower end of said rotatable shaft for rotation therewith and having an aperture in the bottom thereof, a second fluid receptacle within which said first receptacle is adapted to rotate, and a partial filling of a viscous liquid in said receptacles for damping the movement of said shaft about its said vertical axis, said rotatable receptacle having a closed top and containing a filling of gas above said partial filling of liquid.

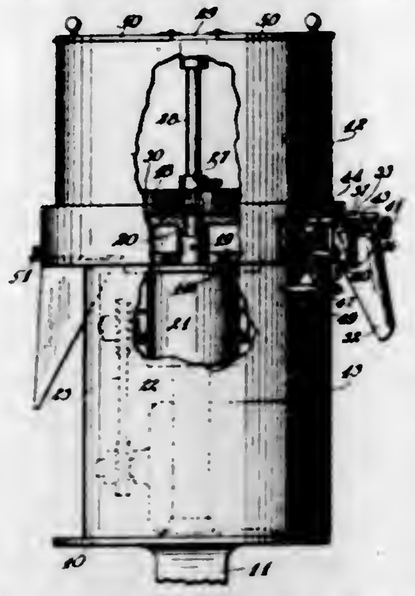
2,417,283
LUBRIÇANT
John C. Zimmer and George M. McNulty, Union, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 23, 1942, Serial No. 469,914
8 Claims. (Cl. 252—48.6)

1. As a composition of matter, a mineral oil-soluble sulfurized cutting oil base comprising a cosulfurized blend of tall oil and an ester of a monohydric alcohol of at least 10 carbon atoms and a high molecular weight fatty acid.

2,417,284
PLURAL DISCHARGE ASSISTANT DISPENSING MACHINE
Gustave Almberg and Carl A. Almberg, Joliet, Ill.
Application January 29, 1944, Serial No. 520,280
9 Claims. (Cl. 222—227)

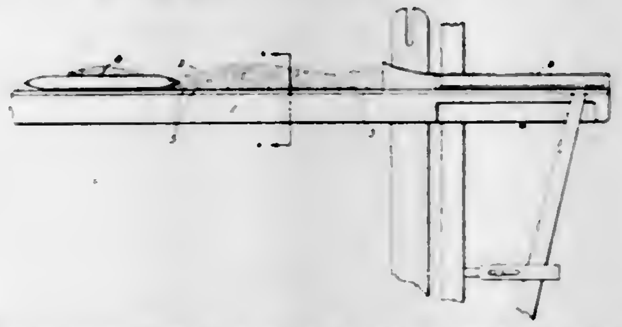
1. In a filling machine for powdered materials and the like, an upright cylindrical housing receiving the material and having a floor, a vertically-centered rotor over the floor and covering a portion thereof, said rotor and the remaining portion of the floor serving to support the material, and means to urge the material on the rotor to the outer regions thereof and upon said remaining floor portion on the operation of the rotor, said means including a support in the upper part of the housing, a center rod depending from

the support, and a spider carried by the lower end of the rod over the rotor, the arms of the spider



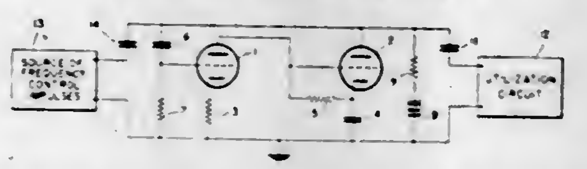
extending outwardly with curves in the direction of the rotor's motion.

2,417,285
RACE PLATE OF LOOMS
William H. Baker, Boston, Mass.
Application November 3, 1944, Serial No. 561,780
2 Claims. (Cl. 139—188)



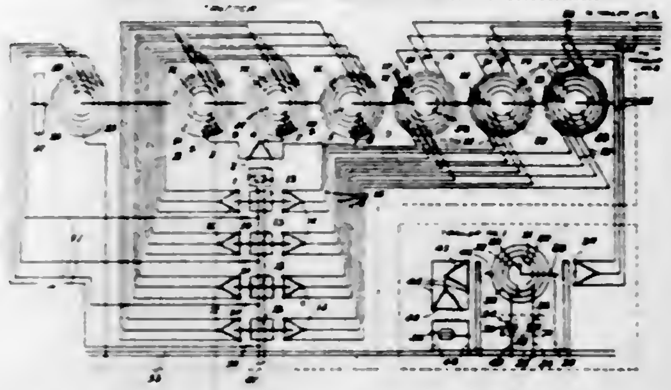
1. In a loom having a race, said race consisting of bars running parallel with the warp, and being under-cut on its front end nearest to the reed to cause said yarn to flow past each side of said bars, and be kept on an even keel below the race level, and not ride up on top of said bars, and be abraided, or cut by the shuttle.

2,417,286
MULTIVIBRATOR
Arnold H. Bartels, Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation, a corporation of Delaware
Application May 31, 1944, Serial No. 538,179
3 Claims. (Cl. 250—36)



1. A multivibrator comprising, first and second vacuum tubes, each having an anode, a cathode and a control grid, means including a source of direct current energy for supplying space current to said first tube, means including the space discharge path of said first tube and a storage condenser connected to the cathode of said first tube for supplying all of the space current to said second tube, a capacitative coupling between the anode of said first tube and the grid of said second tube, and a conductive coupling between the anode of said second tube and the grid of said first tube.

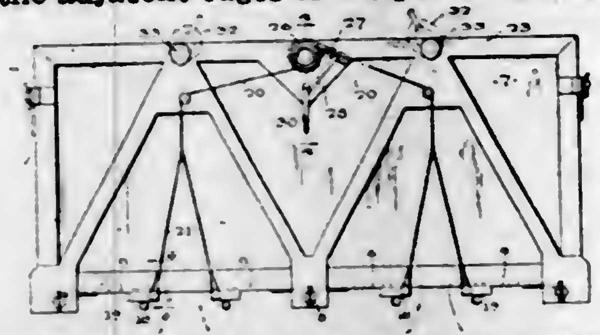
2,417,287
STEERING GEAR FOR TRAILERS
João Machado Belo, Beira, Portuguese East Africa
Application September 16, 1944, Serial No. 554,517
5 Claims. (Cl. 180—14)



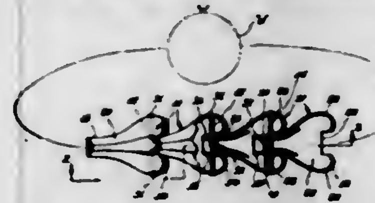
1. Automatic steering gear for trailers coupled together in a train drawn by a tractor, comprising, in combination, a gyro-compass or directional gyroscope provided on the tractor, primary electric generator means operable by said gyro-compass or directional gyroscope, a plurality of primary electric motor means, primary distributor means adapted to provide electrical circuits between said primary generator means and each of said primary motor means, driving means whereby said primary distributor means is driven in synchronism with the travel of said train so as to permit said primary generator means to transmit electrical energy to, and produce changes in the position of, said primary motor means in succession, a plurality of secondary generator means each adapted to be driven by one of the said primary motor means, a secondary motor means provided on each trailer, secondary distributor means adapted to provide between said secondary generator means and the secondary motor means of each trailer a number of circuits equal to the number of said secondary generator means, said secondary distributor means being driven by said driving means in synchronism with the travel of said train so as to permit said secondary generator means when operated by said primary motor means to transmit electrical energy to, and produce changes in the position of, the secondary motor means of each trailer as said trailers successively arrive at the places on the route of the train at which the changes in the position of the gyro-compass or directional gyroscope productive of said changes in position of the primary motor means occurred, a secondary gyro-compass or directional gyroscope provided on each trailer, tertiary generator means operable by said secondary gyro-compass or directional gyroscope, tertiary motor means operable by said tertiary generator means, a steering gear for each trailer operable by said secondary motor means through said changes in position thereof produced successively at the places on the route as aforesaid when reached by said trailer and operable also by said tertiary motor means in each interval between successive operations by said secondary motor means so as to keep said steering gear at neutral and prevent deviation of the trailer from its course.

2,417,288
DUMP BEDBUCKET
Clyde W. Bernard, Kingsport, Tenn.
Application December 4, 1944, Serial No. 566,465
3 Claims. (Cl. 294—71)

1. A dump bedbucket including a bucket body with a multi-part bottom, said parts being movable, the adjacent edges of the parts being spaced to expose substantial areas of the articles spanning the spaces.

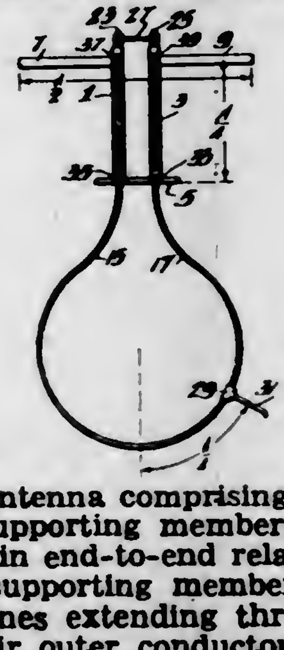


2,417,289
ADJUSTABLE BAND
Nino Bisso, New York, and Lee J. Gifford, Valley Stream, N. Y.; said Gifford assignor to said Bisso
Application December 14, 1945, Serial No. 635,039
15 Claims. (Cl. 63—5)



3. A flexible band comprising a plurality of links disposed in end to end relation and pivotally connected to each other in said relation, by pivot pins extending transversely of companion pivotally connected links, means including said pivot pins for connecting the companion pivotally connected links for limited relative movement to decrease the length of the band, certain of said links having slots in which the pivot pins are movable in a direction longitudinally of the band, and resilient means on said links which allow movement of said pins in band-contracting direction and which engage said pins, respectively, to prevent movement of said pins in band-expanding direction.

2,417,290
ANTENNA SYSTEM
George H. Brown, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 23, 1943, Serial No. 476,820
5 Claims. (Cl. 250—33)

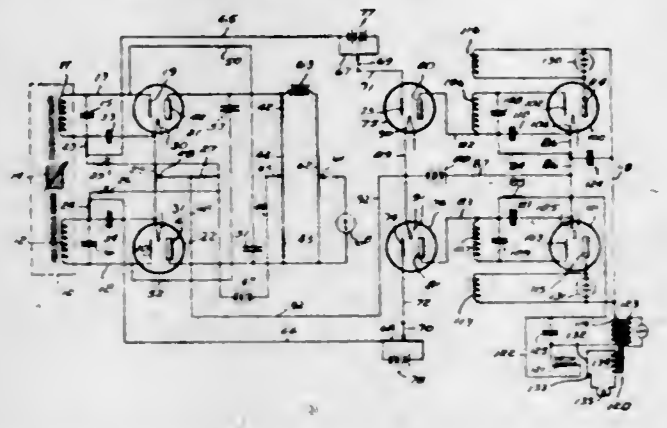


1. A dipole antenna comprising a pair of parallel tubular supporting members, radiator elements secured in end-to-end relationship at the ends of said supporting members, and coaxial transmission lines extending through said supports with their outer conductors connected to said supports and their inner conductors connected together near the adjacent ends of said radiator elements.

2,417,291
PROCESS OF SEPARATING TAR ACIDS FROM TAR
Francis E. Cislak and Thomas Patrick Carney, Indianapolis, Ind., assignors to Reilly Tar & Chemical Corporation, Indianapolis, Ind., a corporation of Indiana
Application July 19, 1943, Serial No. 495,314
5 Claims. (Cl. 260—627)

1. The process of separating tar acids from coal tar, which consists in mixing the coal tar containing the tar acids with an aqueous caustic alkali solution at a temperature substantially above 100° C. and at a pressure above the vapor pressure of the mixture at the temperature used, allowing the mixture to separate into a tar-acid-containing aqueous layer and a tar layer while maintaining both temperature and pressure above the aforesaid values, and withdrawing one layer.

2,417,292
MICROLIMIT INDICATING SYSTEM
Charles F. Coake, Indianapolis, Ind., assignor to Senn Corporation, New Augusta, Ind., a corporation of Indiana
Application February 24, 1945, Serial No. 579,627
13 Claims. (Cl. 177—311)



1. A microlimit indicating system for making micromeasurements, comprising a measuring head having a pair of variable impedance elements the impedance of which is varied in an inverse sense in response to variations in the quantity being measured, a measuring circuit connected for balanced operation when said variable impedance elements are of predetermined impedance, means responsive to variations in said impedances to unbalance the operation of said circuit, a pair of oscillators, means normally blocking said oscillators and means connecting said circuit to control the operation of said oscillators so that one or the other of said oscillators becomes unblocked in response to a predetermined unbalance in the operation of said circuit, and indicating means responsive to the operation of said oscillators.

2,417,293
MOLECULARLY ORIENTED COPOLYMERS OF ACRYLONITRILE, A VINYL ARYL COMPOUND, AND ACRYLIC ESTERS OR VINYL ETHERS
Gaetano F. D'Alelio, Northampton, Mass., assignor to Pro-phy-lac-tic Brush Company, Northampton, Mass., a corporation of Delaware
No Drawing. Application February 25, 1944, Serial No. 523,904
4 Claims. (Cl. 260—32)

1. A cohesive workable reversible gel adapted to the preparation of shaped or molecularly

oriented structures which is essentially (A) a liquid nitrohydrocarbon and (B) the polymerization product of a mixture comprising (1) at least 55% but not more than 85% of acrylonitrile, (2) at least 5% but not more than 30% of a compound of the formula $CH_2{=}CR'Z$, and (3) at least 5 but not more than 30% of a vinyl ether of the formula $CH_2{=}CHOR$ where R' is selected from the group consisting of hydrogen and methyl radicals and R is an alkyl radical, and Z is an aryl radical.

2,417,294

METHOD OF PREPARING MOLECULARLY ORIENTED COPOLYMERIZATES OF ACRYLONITRILE AND OTHER MONO-ETHYLENIC MONOMERS

Gaetano F. D'Alelio, Northampton, Mass., assignor to Pro-phy-lac-tic Brush Company, Northampton, Mass., a corporation of Delaware

No Drawing. Application February 25, 1944, Serial No. 523,905

3 Claims. (Cl. 260—32)

1. A cohesive workable reversible gel adapted to the preparation of shaped or molecularly oriented structures which consists of a liquid nitrohydrocarbon and the co-polymerization product of a mixture comprising at least 55 percent but not more than 85% of acrylonitrile and another polymerizable monomer containing a single olefinic double bond, the copolymerization product forming from 20 to 50 percent of the gel.

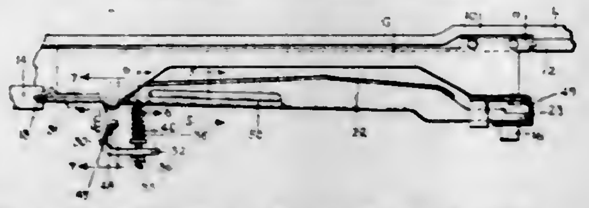
2,417,295

SHUTTLE CHECK FOR LOOMS

Clifford Darwin, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts

Application April 16, 1945, Serial No. 588,529

3 Claims. (Cl. 139—185)



1. In a shuttle box for a loom having a protector finger, a binder extending along said box and having one end thereof in engagement with the protector finger, a spring mounted on said shuttle box and engaging the other end of the binder, said protector finger and spring normally holding the binder in the shuttle box for engagement with a shuttle, said spring exerting a greater force on the binder than said protector finger, and a handle integral with the binder and extending along the latter between the protector finger and spring and being of such length that when a force is applied to the end thereof adjacent to said spring the latter will be overpowered while the protector finger remains normal, and when a force is applied to the end of the handle nearer the protector finger the latter will be overpowered while said spring remains normal.

2,417,296

LOW-FREQUENCY AMPLIFIER CIRCUITS

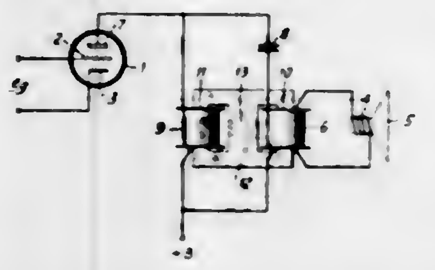
Simon Anne Dikstaal, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee

Application March 23, 1943, Serial No. 480,189

In the Netherlands April 9, 1941

5 Claims. (Cl. 179—171)

1. A low-frequency amplifier circuit in which the oscillations to be amplified are fed to the grid circuit of an amplifier valve and in which the anode circuit of the said valve includes the series combination of a condenser and the primary winding of a transformer from whose secondary winding the amplified oscillations are derived and in which the anode direct voltage is supplied to the anode of the valve through a choke coil, wherein the choke coil winding and the two windings of the transformer are arranged respectively on the two outer limbs of an iron core of the shell type which is formed from E-shaped and I-shaped laminations, the central limb being so dimensioned with respect to the outer limbs that the magnetic lines of force due to the choke coil winding are ineffective to bring about saturation in the magnetic circuit of the transformer, so that the primary inductance of the transformer is not affected by the anode direct current of the valve which passes through the choke coil winding.



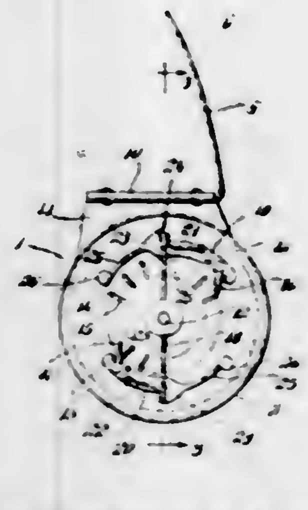
2,417,297

BELL

Alfred R. Euler, New York, N. Y.

Application April 7, 1945, Serial No. 587,159

4 Claims. (Cl. 116—154)



1. A rotary bell comprising a resilient member, a bearing bracket carried by said resilient member, a shaft non-rotatably secured to said bracket, a disk rotatably attached to said shaft and having on one side a circular row of pins laterally extending therefrom, a cross-bar non-rotatably attached to said shaft in such a manner that said disk is located between said bracket and said cross-bar, a curved arm pivotally secured to the extremity of said cross-bar and having a hammer head at one end portion and a tiltable member at its other end portion, means for biasing the arm portion which carries said tiltable member towards said circular row of pins, and a bell cup secured to the outer extremity of said shaft, said disk protruding over the outer periphery of said bell cup, and said tiltable member engaging said row of pins in such a manner that said arm will be oscillated on the pivot of said cross-bar when said disk is rotated, all substantially as set forth.

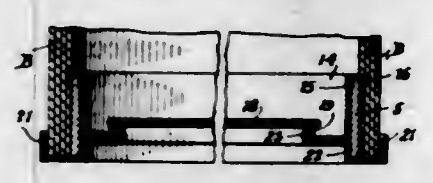
2,417,298

END CONSTRUCTION FOR PAPER CONTAINERS

John Fitch, Bloomfield, N. J., assignor to Standard Container, Inc., Montclair, N. J., a corporation of New Jersey

Application August 18, 1945, Serial No. 611,304

3 Claims. (Cl. 229—5.5)



1. In a container, a tubular paper container body, a pair of disk-shaped end walls on said container body, said walls having complementary parts located within the container body and fitted one within the other and complementarily distorted and thereby interlocked to hold said disk-shaped walls together in overlying relation, said disk-shaped walls carrying flanges, and a paper strip located between the flanges and having a face adhesively attached to the container body.

2,417,299

FAT-SOLUBLE VITAMIN SOLUTIONS

Louis Freedman, Mount Vernon, and Edward Green, New York, N. Y., assignors to U. S. Vitamin Corporation, a corporation of Delaware

No Drawing. Application August 6, 1943, Serial No. 497,704

15 Claims. (Cl. 167—81)

1. A composition of matter comprising a lipoid soluble, normally water insoluble, substantially fat free material having high vitamin activity and a solubilizing agent dissolving the material and causing the material to be soluble in water in all proportions to give a stable clear solution without visible emulsification or dispersion, the solubilizing agent being a water soluble polyalkylene oxide derivative of a partial long chain fatty acid ester of a compound selected from the group consisting of polyhydric alcohols and their anhydrides and the said agent having a melting point not above 100° C.

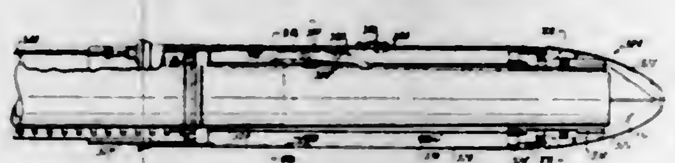
2,417,300

MUZZLE COVER OPERATING MECHANISM FOR GUNS

Chester W. Greene, Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application November 17, 1944, Serial No. 563,874

11 Claims. (Cl. 89—31)



1. In combination, a gun, a plurality of cover plates surrounding the muzzle end of the gun and meeting forwardly thereof to form an enclosure therefor, means supporting said plates for swinging movement outwardly of the gun to clear the muzzle for firing of the gun, mechanism for inserting ammunition into the gun and firing said gun, and means operated by said mechanism just prior to the firing of the gun for thus moving said plates.

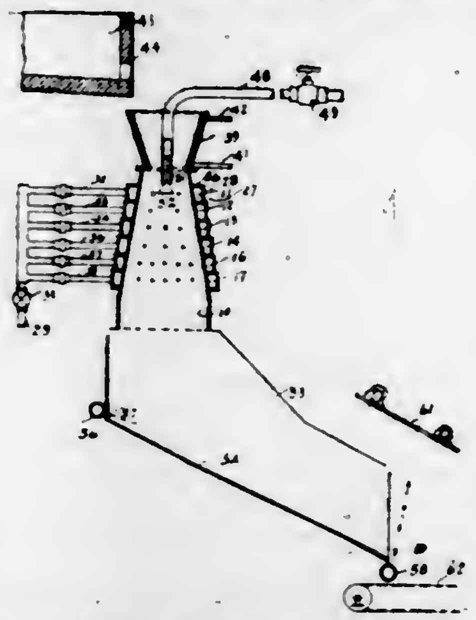
2,417,301

PROCESS AND APPARATUS FOR PRODUCING LIGHTWEIGHT SLAG

Albert N. Hayes, Birmingham, Ala., assignor to G. C. McCullough

Application March 1, 1944, Serial No. 524,561

15 Claims. (Cl. 18—2.5)



6. In apparatus for producing relatively light weight cellular slag, a vertically disposed frusto-conical disintegrating chamber having a series of rows of steam nozzles extending through the wall thereof and directed inwardly of the chamber at an angle to the radial to produce a series of high velocity whirls of steam in the chamber, the alternate whirls rotating in opposite directions and being successively of lesser inner diameter from the upper end of the chamber downwardly, a manifold around each of the rows of steam nozzles for supplying high pressure steam thereto, means to cascade molten slag downwardly through the chamber near the wall thereof, and means to direct a stream of water along the wall of the chamber to mix with the steam and slag, a downwardly inclined trough disposed beneath the disintegrating chamber, and steam nozzles in the trough for blowing the disintegrated slag down the trough as it falls from the chamber and discharge it from the apparatus.

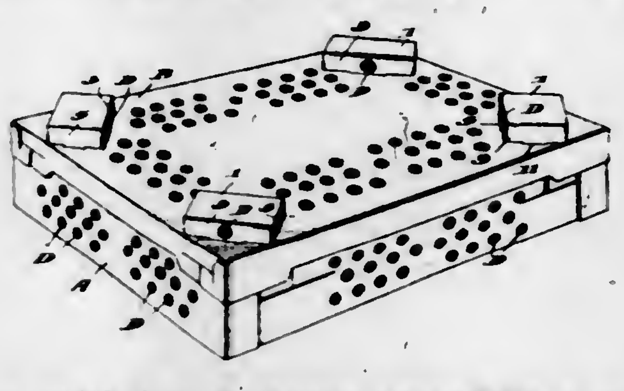
2,417,302

CHICK BOX

Joseph G. Huye, New Orleans, La.

Application July 24, 1944, Serial No. 546,280

3 Claims. (Cl. 229—6)



1. A chick box structure comprising a cover having corner portions each formed with a pair of spaced slots and a pair of spaced wide openings disposed between and at right angles to said slots, said openings having each a long inner wall and a shorter outer wall, the outer portions of the end walls of said openings being disposed at an abrupt angle to said shorter outer wall and then

flaring to the adjacent ends of said inner long wall to form lock corners, in combination with hollow ventilating spacing supports respectively interlocked with the respective corner portions of said cover, each said support comprising a top panel, end flanges respectively integral with and depending at approximately right angles from the respective end portions of said panel, side tabs respectively integral with and extending inwardly at approximately right angles from the respective side portions of the respective end flanges and being substantially of the same height as said end flanges, fingers respectively integral with and depending from the respective end flanges and received by the respective slots of a corner portion of said cover, side flanges respectively integral with and depending from the respective side portions of said panel and being substantially of the same height as said end flanges, locking tongues respectively integral with and depending from the respective side flanges and received by the respective spaced openings of said cover corner portion, and locking tabs respectively integral with said respective locking tongues and extending beneath the respective locking corners.

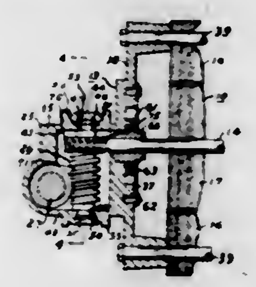
2,417,303

FAN GEAR ASSEMBLY

Richard H. Jordan, Mansfield, Ohio, assignor to Dominion Electrical Manufacturing, Inc., a corporation of Ohio

Application June 20, 1945, Serial No. 600,571

10 Claims. (Cl. 230—264)



1. In a housing for an oscillating mechanism having an axle, a first wall portion having an internal surface and a top end surface, a second wall portion substantially parallel to the first wall portion and having an internal surface and a top end surface, said internal surface of the first wall portion facing the said internal surface of the second wall portion, said first wall portion having slot means opening on the said internal surface and the said end surface and terminating in a bearing surface, said second wall portion having slot means opening on the said internal surface and top end surface and terminating in a bearing surface, said slot means in the first wall portion and the said slot means in the second wall portion being aligned whereby the axle may be inserted in the slot means, an insertable member freely insertable in said slot means for holding the axle in the slot means and against the bearing surfaces, and a cover engaging said end surface to hold the insertable member in the said slot means.

2,417,304

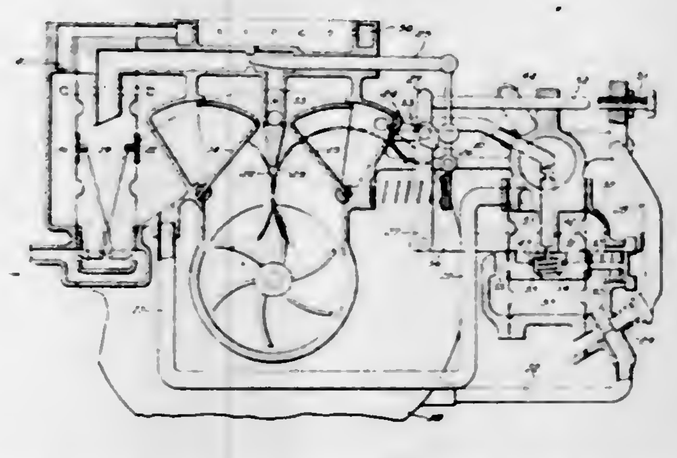
MIXTURE CONTROL DEVICE

Milton J. Kittler and Carl F. Schorn, Detroit, Mich., assignors to George M. Holley and Earl Holley

Application July 19, 1944, Serial No. 545,668

4 Claims. (Cl. 261—72)

1. In an internal combustion engine having a carburetor, air throttling means for said carburetor of the variable Venturi type, a fuel supply chamber, a diaphragm on one side of said chamber, an air chamber on the other side of said diaphragm, a restricted air passage connecting the air chamber with air at the atmospheric pressure of the entering air, a second restricted air passage connecting the air chamber with the suction created by said engine in the throat of the variable venturi formed by said throttle, an automatic valve adapted to open and close said second passage, a second air chamber, a moving wall therefor connected to said automatic valve and responsive on one side to atmospheric pressure, an unrestricted air passage connecting said second air chamber to the engine side of said throttle, spring means for moving said valve so that when the throttle approaches its closed position, the engine suction resulting therefrom moves said moving wall and said automatic valve against the action of said spring to open said second passage and when the throttle approaches its open position, the higher pressure resulting therefrom permits said automatic valve to be moved in response to said spring to close said second passage.



2,417,305

LUBRICATING OIL AND METHOD OF LUBRICATING

Edwin C. Knowles, Frederic C. McCoy, and John A. Patterson, Beacon, N. Y., assignors, by mesne assignments, to The Texas Company, New York, N. Y., a corporation of Delaware

No Drawing. Application May 2, 1941, Serial No. 391,468

4 Claims. (Cl. 252—45)

3. An improved lubricant adapted for use in internal combustion engines, which comprises a mineral lubricating oil having incorporated therein a small amount of a sulfurized monocyclic terpene hydrocarbon, sufficient to impart corrosion inhibiting properties to the oil, and a small amount of an additive ingredient possessing detergent properties, sufficient to inhibit the lacquer and varnish-forming tendencies of the oil.

2,417,306

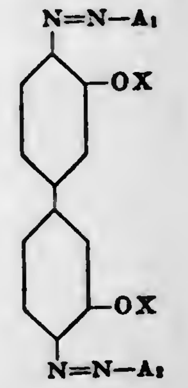
METALLIZABLE POLYAZO DYES FROM BENZIDINE INTERMEDIATES

Adolf Krebser, Riehen, near Basel, and Werner Bossard and Peter Hindermann, Basel, Switzerland, assignors to J. R. Geigy A. G., Basel, Switzerland, a Swiss firm

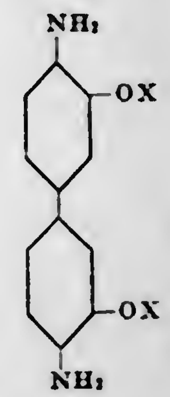
No Drawing. Application December 20, 1943, Serial No. 515,022. In Switzerland December 22, 1942

12 Claims. (Cl. 260—166)

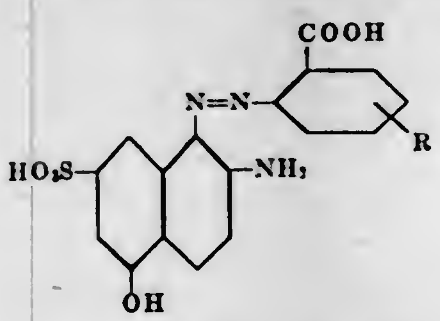
1. Process for the manufacture of polyazo dyestuffs capable of being coppered, of the general formula



which comprises coupling a tetrazotised amine of the formula



wherein X means a member of the group consisting of $—CH_3$, $—C_2H_5$ and $—CH_2COOH$, with one molecule of a coupling component $H—A_1$ and with one molecule of a coupling component $H—A_2$, $H—A_1$ being a monoazo dyestuff of the general formula



R meaning at least one member of the group consisting of H, Cl, CH_3, NO_2, CN, $—NH.COCH_3$ and $—SO_2NH.C_6H_4.COOH$(1:2), and $H—A_2$ being a member of the group consisting of $H—A_1$, salicylic acid, m-cresotinic acid, 1-hydroxynaphthalene-2-carboxylic acid, β-naphthol and hydroxynaphthalene sulfonic acid compounds capable of being coupled in o-position to the hydroxy group.

2,417,307

WELL DRILLING FLUID BASE MATERIAL AND PROCESS

Delmar H. Larsen, Los Angeles, Calif., assignor to National Lead Company, Los Angeles, Calif., a corporation of New Jersey

No Drawing. Continuation of application Serial No. 380,306, February 24, 1941. This application November 24, 1943, Serial No. 511,621

9 Claims. (Cl. 252—8.5)

1. In the art of boring or controlling wells by an aqueous well drilling fluid, the process comprising, adding to the fluid a thin-boiling amylaceous colloid which is gelatinizable in cold water and adapted to produce a low viscosity fluid with a high percentage of the colloid.

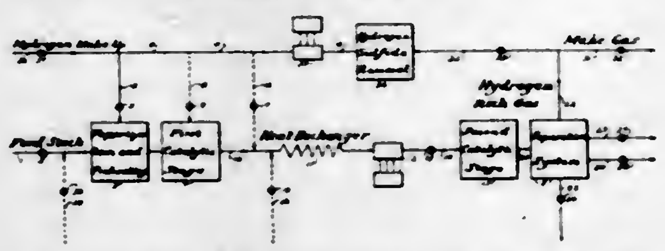
2,417,308

DESULPHURIZATION AND HYDROFORMING

Milton W. Lee, Palos Verdes Estates, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California

Application April 12, 1943, Serial No. 482,717

7 Claims. (Cl. 196—24)



1. A process for treatment of a volatile hydrocarbon feed mixture containing sulfur compounds, which comprises subjecting said mixture to vapor phase catalytic desulfurization at a temperature between about 600° F. and 850° F. in one stage and subjecting the resulting gaseous mixture without substantial removal of any of its constituents to vapor phase hydroforming with a different catalyst in a succeeding stage at a temperature between about 850° F. and 1500° F., employing superatmospheric pressures and hydrogen in amounts greater than about 100 cubic feet per barrel of liquid feed in both stages.

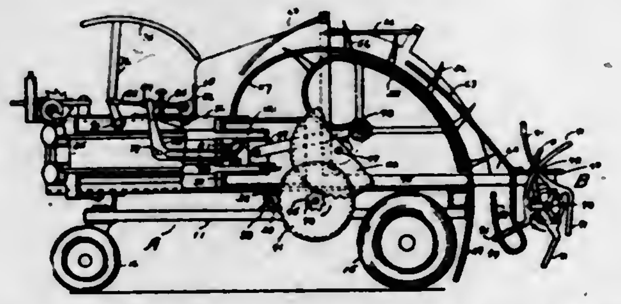
2,417,309

HAY BALER

John T. Lisle and John B. Klamfoth, Lithopolis, Ohio

Application April 19, 1944, Serial No. 532,006

6 Claims. (Cl. 100—20)



1. A baling device of the character described; comprising a compression chamber, a feed-in well at the forward end of said chamber, a piston and a crank with a connecting rod therebetween adapted to impart a reciprocating motion to the piston, an oscillator rigidly secured to said connecting rod and having a curved upper surface with a number of generally upwardly extending prongs thereon, whereby an upward and rearward and downward motion is imparted to the prongs, thereby to pick up the hay at the forward end of the device and deposit it over the feed-in well, an arm having a packing head mounted on the free end thereof, and a cam having an operating connection to a moving part of the device and to the arm, forming means whereby during the extreme forward motion of the piston said packing head will act to move the hay into said feed-in well.

2,417,310

RADIO DIRECTION FINDER

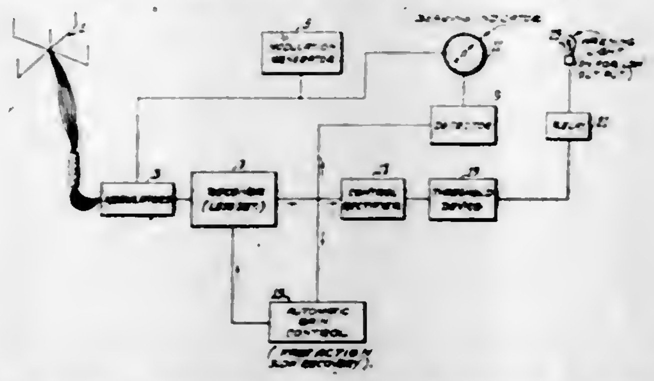
David G. C. Luck, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application June 27, 1942, Serial No. 448,719

3 Claims. (Cl. 250—11)

1. A radio direction finder including a receiver provided with automatic gain control means re-

sponsive with relatively slight delay to increase of signal and with relatively great delay to decrease of signal, an auxiliary rectifier connected to said receiver and responsive with negligible delay to the amplitude of the output thereof to provide a control voltage having a predetermined relationship to said amplitude, a voltage threshold device connected to said rectifier and responsive to said control voltage to provide output only when said control voltage exceeds a predetermined magnitude, and indicator means connected to said threshold device.



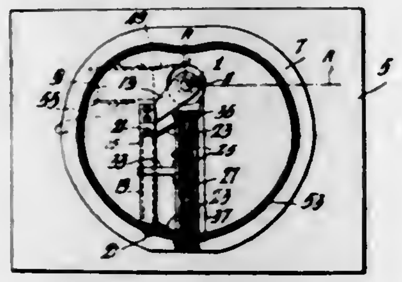
3. A radio direction finder including a radio receiver with automatic gain control, means responsive to the amplitude of the output of said receiver to provide a control voltage proportional to said amplitude, and indicator, and a threshold device connected to said indicator and controlled by said control voltage to provide disjunctive operation of said indicator.

2,417,311

VARIABLE RESISTOR DEVICE

David G. C. Luck, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application March 31, 1945, Serial No. 585,954
7 Claims. (Cl. 201—55)



1. An electrical device comprising a substantially rectilinear resistor element, a contact member having the shape of a polar graph of a predetermined voltage ratio vs. rotation characteristic to be provided by said device, means supporting said resistor element in radial relation to said contact member, and means for rotating said resistor in contact with said contact member.

2,417,312

IMPROVING THE DYEING PROPERTIES OF CELLULOSIC TEXTILES BY TREATMENT WITH FORMALDEHYDE AND A GUANIDINE SALT OF AN ALPHA-BETA UNSATURATED CARBOXYLIC ACID

James Hutchison MacGregor, Bocking Braintree, England, assignor to Courtaulds Limited, London, England, a British company

No Drawing. Application May 6, 1944, Serial No. 534,529. In Great Britain July 22, 1943
2 Claims. (Cl. 8—100)

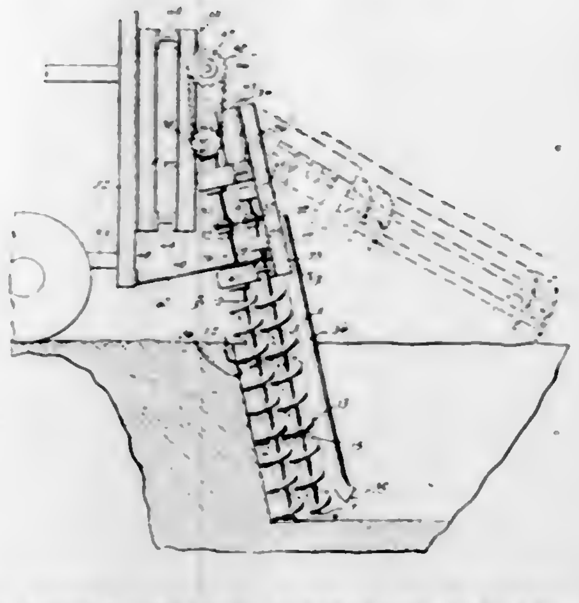
1. A process of improving the dyeing affinity of cellulosic textile material and imparting a soft silky handle thereto, which comprises treating the material before dyeing with an aqueous solution containing formaldehyde and a guanidine salt of an alpha-beta unsaturated carboxylic acid which is devoid of amino groups, and thereafter converting the mixture to a water-insoluble condensation product.

2,417,313

TRENCH-DIGGING MACHINE

John H. MacKinnon, Larchmont, N. Y.

Application June 17, 1944, Serial No. 540,869
5 Claims. (Cl. 37—81)



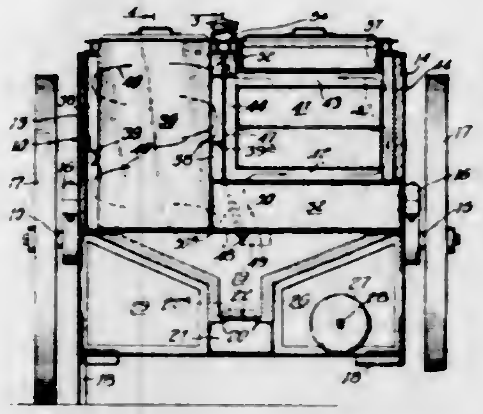
4. A trench-digging apparatus adapted to be mounted on a power-driven vehicle, said apparatus comprising a frame structure carried by the vehicle, a plurality of substantially parallel shafts journalled in said frame structure, one to the rear of the other, spiral conveyor elements carried by each shaft, means for simultaneously rotating the spiral elements, and cutting teeth carried adjacent the peripheries of each of said spiral conveyor elements, the cutting teeth of each spiral element lying inside the cylinder formed by the cutting teeth of the other spiral element, the cutting teeth of the rear spiral element removing the accumulated material from the forward spiral element.

2,417,314

PORTABLE RANGE UNIT WITH SEPARATELY CONTROLLED FLUES

Robert Mallan, New York, N. Y.; Jane Mallan executrix of said Robert Mallan, deceased

Application March 6, 1943, Serial No. 478,275
10 Claims. (Cl. 126—268)



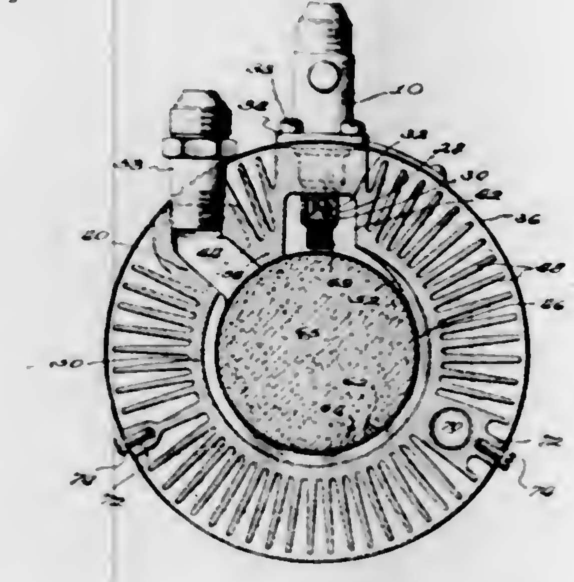
1. A range comprising an insulated body, a fire box at the lower portion of said body, the body above the fire box having a partition wall intermediate the side walls and substantially centrally of the body, receptacles in said body in spaced relation to the outer walls thereof and said partition wall to form at each side of the partition wall independent circulating passages, part of said circulating passages being disposed at opposite sides of said partition wall, the rear portion of the fire box having an outlet communicating with the circulating passages at each side of said partition, manually operated means adjacent the partition controlling circulation of products of combustion in each of said circulating passages, baffles in said circulating passages for retarding circulation of products of combustion upwardly through said passages and around said receptacle, the upper portion of said body having a horizontal flue comprising flue passages adjacent and at opposite sides of said partition, means discharging products of combustion from each of said circulating passages into one end of the horizontal flue passages, and a vertical stack communicating with the other end of said horizontal flue passages.

2,417,315

CAST INTERNAL-COMBUSTION HEATER FOR HEATING AIR

Henry J. De N. McCollum, Chicago, Ill.; Thelma McCollum, executrix of said Henry J. De N. McCollum, deceased, assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia

Application July 29, 1942, Serial No. 452,707
6 Claims. (Cl. 126—110)



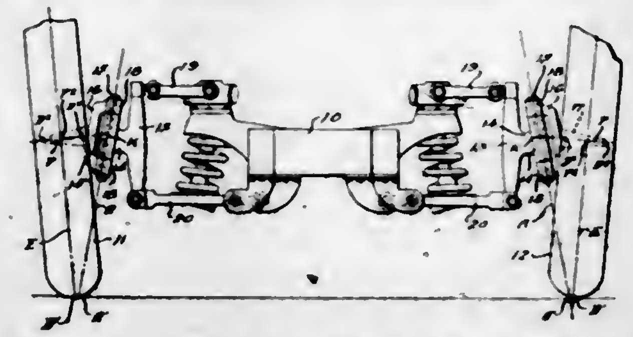
1. In an internal combustion heater, a generally cylindrical casting, said casting having a longitudinally extending combustion chamber at one side and a longitudinally extending cylindrical recess intersecting said combustion chamber, said casting also providing a longitudinally extending outlet passage at one side adjacent said combustion chamber, said casting having a plurality of circumferential parallel grooves extending from said combustion chamber to said outlet passage and passing around the major portion of the circumference of said cylindrical recess, and a sleeve fitted into said cylindrical recess to close said grooves, thereby providing a plurality of circumferentially extending passages connecting said combustion chamber to said outlet passage.

2,417,316

KING PIN AND SPINDLE ARRANGEMENT FOR STEERABLE WHEELS

Forest R. McFarland, Huntington Woods, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan

Application November 11, 1943, Serial No. 509,917
3 Claims. (Cl. 280—96.2)



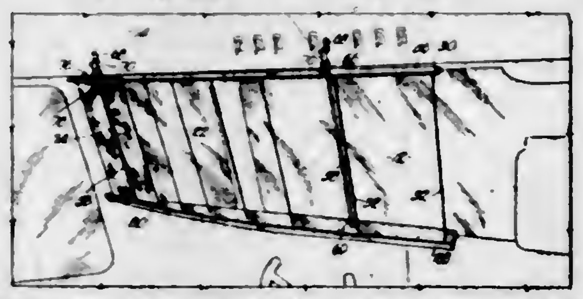
2. In a mounting for the steering wheels of a vehicle, wheel carriers connected to the vehicle, a steering knuckle for each of said carriers, means for turning the steering knuckles for steering the vehicle, each said knuckle having a king pin connection to its carrier the axis of which king pin is inclined inwardly and rearwardly, each said knuckle having a spindle offset forwardly of the king pin and having its axis at an angle to provide camber for the vehicle wheel, the inward and rearward inclination of the king pins and the forward position and inclined arrangement of the spindles being such that positive caster is provided when the wheels are in straight ahead position and the positive caster of the outside wheel in making a turn is changed to negative caster while the camber is decreased and the positive caster of the inside wheel in making a turn is increased while the camber also is increased.

2,417,317

INSTRUCTION COVER FOR AIRPLANE WINDOWS

Wren Meyer McMains, Richmond, Ind.

Application January 29, 1945, Serial No. 575,149
9 Claims. (Cl. 244—121)



1. A cover assembly for the windows of airplanes used for pilot training comprising a plurality of substantially vertically disposed flexible strips; a member common to all of said strips and secured to one end of each; a second member receiving the other ends of the strips; and means for collapsing the strips as said members are relatively moved one toward the other.

2,417,318

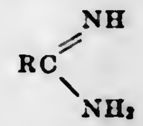
METHOD OF PRODUCING 4-HYDROXY PYRIMIDINES

Elmore H. Northey, Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application July 9, 1945, Serial No. 604,092
8 Claims. (Cl. 260—251)

1. A method of producing a 4-hydroxy pyrimidine which comprises reacting an ester of acetic

acid with an ester of formic acid and an alkali metal alcoholate under superatmospheric pressure in the presence of an atmosphere of carbon monoxide to produce a strongly alkaline reaction mixture containing alkali metal formylacetic ester, condensing the alkali metal formylacetic ester without isolation thereof with a compound having the formula



$$RC\begin{matrix}\diagup NH \\ \diagdown NH_2\end{matrix}$$

in which R is selected from the group consisting of hydrogen, lower alkyl, amino, cyanamino or mercapto to produce the corresponding 4-hydroxypyrimidine.

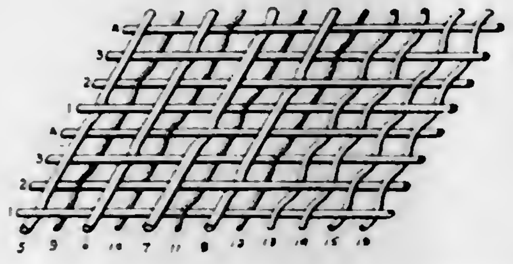
3. A method of producing isocytosine which comprises reacting an ester of acetic acid with an ester of formic acid and an alkali metal alcoholate under superatmospheric pressure in the presence of an atmosphere of carbon monoxide to produce a strongly alkaline reaction mixture containing alkali metal formylacetic ester and condensing this ester without isolation from the reaction mixture with a guanidine salt.

2,417,319
FLAT WOVEN FABRIC AND METHOD OF MAKING THE SAME

William S. Nutter, Sanford, Maine, assignor to Goodall-Sanford, Inc., Sanford, Maine, a corporation of Maine

Application January 25, 1946, Serial No. 643,304

6 Claims. (Cl. 139—427)



1. A flat fabric presenting an essentially mohair face covering which consists of wefts composed substantially of mohair and one or more groups of four face warps each composed substantially of mohair and four back warps each finer than the face warps and essentially strong, smooth surfaced and composed of vegetable or synthetic fiber, alternating with a group of four large cord warps smooth surfaced and composed of vegetable or synthetic fiber, the cord warps weaving in pairs oppositely as flats over and under alternate wefts, the face warps forming a

$$\frac{3}{1}$$

broken twill weave in 1, 3, 4, 2 order and the back warps forming a

$$\frac{1}{3}$$

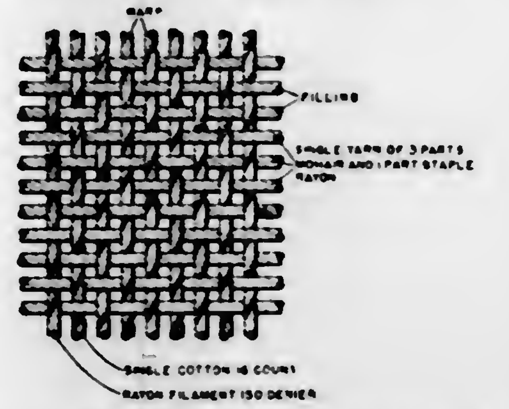
broken twill weave alternating successively with the face warps in 2, 4, 1, 3 order, with the floats of the face warps thus on the face, and the floats of the back warps on the back, of the fabric, the back warps acting to hold the face warps against slipping, the face warps and wefts concealing the back warps at the face of the fabric, and the face warps spreading out and rendering inconspicuous the cord warps at the face of the fabric.

2,417,320
WOVEN TEXTILE FABRIC

William S. Nutter, Sanford, Maine, assignor to Goodall-Sanford, Inc., Sanford, Maine, a corporation of Maine

Application January 25, 1946, Serial No. 643,465

1 Claim. (Cl. 139—427)


WARP
FILLING
SINGLE YARN OF 3 PARTS MOHAIR AND 1 PART STAPLE RAYON
SINGLE COTTON 16 COUNT
RAYON FILAMENT 150 DENIER

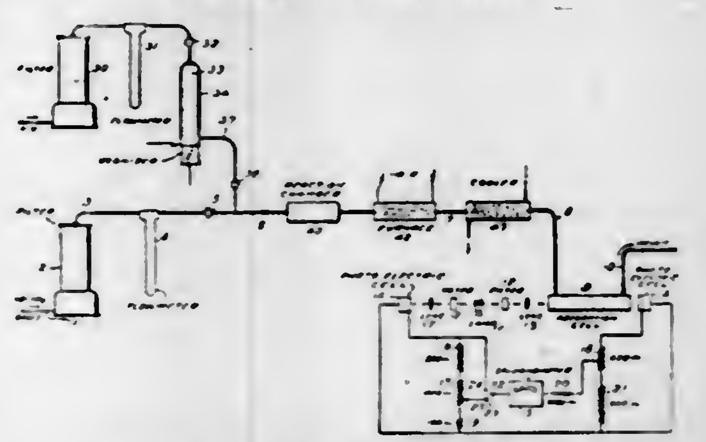
A woven textile flat fabric composed of animal, cotton and rayon fibers presenting an even uniform face with the several types of fibers so disposed as to be substantially indistinguishable and presenting a springy crush-resistant well balanced body secured by and consisting of regularly interwoven warp and filling yarns each of substantially the same count in which the warp is a two-ply yarn one ply of which is a relatively low count low twist single cotton yarn and the other ply of which is a relatively high count rayon filament yarn well buried in the first ply and in which the filling is composed of substantially three parts animal fiber and one part staple rayon fiber spun together as a single yarn of standard twist.

2,417,321
ANALYSIS OF NITROUS GASES

Robert H. Park, Washington, D. C., and James K. Dixon, Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

Application November 15, 1941, Serial No. 419,244

7 Claims. (Cl. 23—232)



1. A method of determining the NO content of a gaseous atmosphere which comprises converting the NO in said gaseous atmosphere substantially completely to NO_2, and measuring photometrically the resulting maximum change in a light absorption characteristic of said gaseous atmosphere as a function of the NO content thereof.

2,417,322
COMBINED WALLET AND PURSE

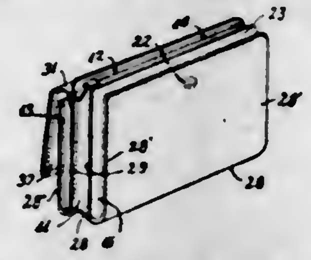
Samuel Plotzky, Brooklyn, N. Y.

Application June 14, 1944, Serial No. 540,226

2 Claims. (Cl. 150—35)

1. A wallet comprising a sheet of material folded to form a coin receptacle presenting opposite sides

and a bottom, an outer sheet attached at its midportion to the bottom of said coin receptacle and presenting free opposite ends, a card pocket member attached to one side of said coin receptacle and to a side of one of said free ends and having a central opening for card withdrawal from two sides at its center fold, a billfold member secured at its mid-portion to the opposite side of said coin receptacle from said card pocket member and having one end secured to the end of said outer sheet opposite the end thereof to which said card pocket member is attached, and the other unattached end of said billfold member constituting a closure flap for the bill fold.

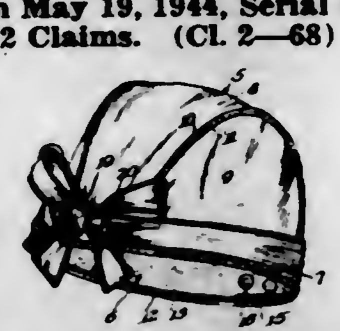


2,417,323
SWIMMING CAP

Harvey B. Richards and Marie T. Crawford, Chicago, Ill., assignors to Richards, Boggs & King, Inc., Chicago, Ill., a corporation of Delaware

Application May 19, 1944, Serial No. 536,308

2 Claims. (Cl. 2—68)



1. As a new article of manufacture, a swimming cap comprising a cap proper formed of flexible fluid impervious material and shaped to cover the upper portion of the wearer's head, a band forming strip of flexible absorptive material disposed within the margin of the cap proper, adapted to encircle the head of the wearer and having the central portion thereof connected to said cap proper and its ends free and provided with means for releasably and adjustably connecting them together, a pair of externally disposed tie strips having certain ends thereof connected to one portion of the margin of the cap proper and adapted when the cap is in use to surround said margin and have the free ends thereof tied together, and a pair of externally disposed laterally spaced loops connected to the portion of the margin of the cap proper that is opposite the portion to which said certain ends of the strips are connected, adapted to have the free ends of the strips threaded, respectively, therethrough, and serving when said free ends of the strips are threaded therethrough and tied to hold such ends in place against the adjacent portion of the margin of the cap proper.

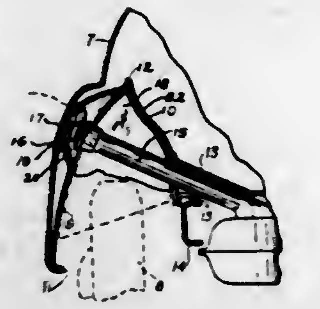
2,417,324
FENDER CONSTRUCTION

Lawrence B. Rivard, Dearborn, and Herman C. Kroepel, Detroit, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware

Application September 17, 1945, Serial No. 616,804

5 Claims. (Cl. 296—28)

1. A rear fender construction for a motor vehicle body comprising an outer panel formed as a downwardly and outwardly extending part of the quarter panel of said body, a transversely arched wheelhousing disposed a substantial distance inwardly of said outer panel and extending therealong, the outer lower edge of said housing being secured to the lower edge of said outer panel, a shallow indentation formed in said outer panel, a corresponding outwardly projecting boss formed on the outer arched member of said wheelhousing, aligned apertures through said indentation and said boss, said indentation and boss being in contact around the rims of said apertures and there secured to each other, a door having a concealed hinge mounted within said boss, said door, when closed, assuming a flush position with said outer panel in said indentation.

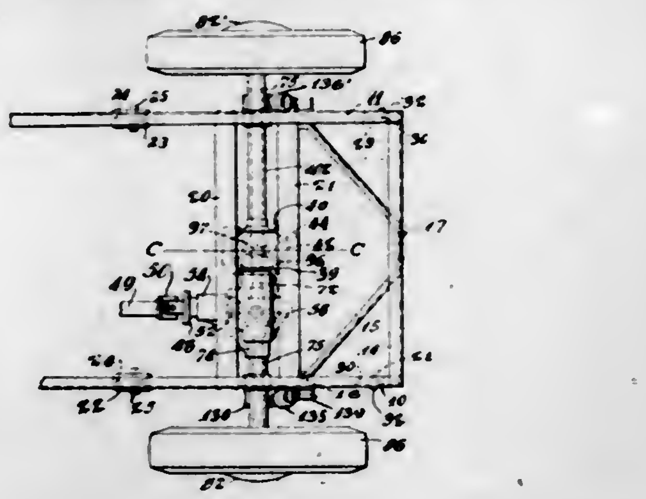


2,417,325
DRIVE AXLE CONSTRUCTION FOR INDEPENDENTLY SPRUNG WHEELS

Delmar G. Roos, Toledo, Ohio, assignor to Willys-Overland Motors, Inc., Toledo, Ohio, a corporation of Delaware

Application March 24, 1944, Serial No. 527,982

6 Claims. (Cl. 180—73)



1. In an automotive vehicle, a frame; a pair of drive wheels; wheel supporting means for each of said drive wheels arranged for independent vertical movements with respect to each other; axle shafts for each of said wheel supporting means; a ball joint; said wheel supporting means being articulately connected together through said ball joint for limited oscillatory movement about a common center; the center of said ball joint lying in a central longitudinal plane through the vehicle; a differential housing forming a part of one of said wheel supporting means; driving means for said differential mechanism and said axle shafts including a propeller shaft extending substantially at right angles with respect to said wheel supporting means; a leaf spring rigidly secured to each of said wheel supporting means and to said frame; said leaf springs being subjected to compound action of deflection and torsion during vertical movements of said drive wheels.

2,417,326

IMIDAZOL THIOPHAN DERIVATIVES AND PROCESS FOR THE MANUFACTURE OF SAME

Otto Schnider, Jean-Pierre Bourquin, and André Grüssner, Basel, Switzerland, assignors to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey

No Drawing. Application March 29, 1945, Serial No. 585,570. In Switzerland April 26, 1944

19 Claims. (Cl. 260—309)

5. As compositions of matter, d,l-2-substituted-3,4-(2'- oxo - tetrahydroimidazol) - thiophans, in which the substituent in the 2-position is a member selected from the group consisting of alkyl radicals and aliphatic omega-substituted-alkyl radicals.

2,417,327

ROSIN-MALEIC ANHYDRIDE-NON-CONJUGATED FATTY OIL VARNISHES

Lawrence K. Scott, Louisville, Ky., assignor to Devoe & Raynolds Company, Inc., a corporation of New York

No Drawing. Application September 27, 1945, Serial No. 618,994

8 Claims. (Cl. 260—22)

1. In the process of making varnishes, the step which comprises simultaneously reacting together rosin, maleic anhydride and a fatty oil having non-conjugated ethylene linkages selected from the group consisting of the drying oils and semi-drying oils, at a temperature above 200° C. and not exceeding 320° C., the maleic anhydride being present in less than equal molecular proportions relative to the rosin and in proportion of from about ⅕-mol to 1 mol of maleic anhydride for each mol of oil, the reaction being carried out in the absence of polyhydric alcohol.

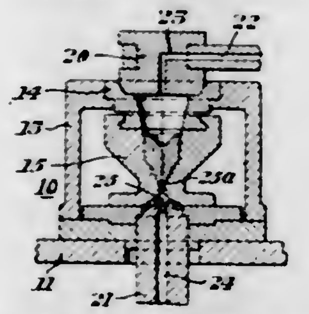
2,417,328

METHOD OF MAKING GLASSWARE

Theodore H. Sloan, Charleroi, Pa., assignor to G. M. S. Corporation, Pittsburgh, Pa., a corporation of Pennsylvania

Application January 27, 1944, Serial No. 519,878

9 Claims. (Cl. 49—85)



6. In a method of making footed glassware, the steps including dropping a mass of molten glass into a mold having cavities for forming a bowl, stem and foot, applying fluid pressure to the mass to force part of it through the stem-forming cavity and pressing said part into a foot while pressing the remainder of the glass into a stem and bowl.

2,417,329

METHOD OF REFINING CRUDE WOOL GREASE

Eugene Snyder, Philadelphia, Pa., assignor to American Chemical Paint Company, Ambler, Pa., a corporation of Delaware

Application January 27, 1944, Serial No. 519,933

26 Claims. (Cl. 260—412.5)

1. In the refining of crude wool grease the process which includes emulsifying the grease by agitating and heating it with water and soap to a temperature above its melting point, adding to the emulsion a relatively small amount of a water-soluble, substantially neutral, sulphonated fixed oil, allowing the mass to subside to form a water layer and a supernatant grease layer, and then separating the grease layer from the water layer.

2,417,330

LENS FOR OPTICAL PURPOSES

John Martin Strang, Glasgow W. 3, Scotland, assignor to Barr & Stroud, Limited, Glasgow, Scotland

Application January 31, 1942, Serial No. 429,100

2 Claims. (Cl. 88—57)

1. A compound lens having spherical curves for which the difference in focus for the spectral colours C and F is at least 0.8% and at most 1.5% of the focal length of the lens, the lens consisting of a converging and a diverging component separated by an air space, both components being simple lenses and the diverging component being of higher refractive index than the converging component and its power being at least 30% of that of the complete lens.

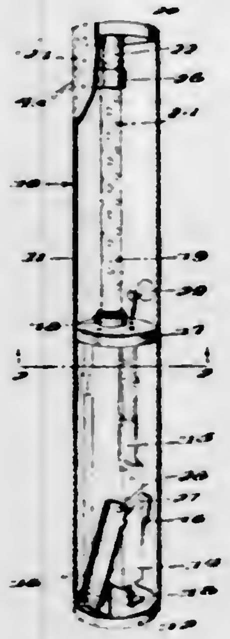
2,417,331

GUN STORAGE CONTAINER

Thomas L. Taylor, Ruxton, and Chauncey F. Bell, Jr., Baltimore, Md., assignors to The Glenn L. Martin Company, Middle River, Md., a corporation of Maryland

Application February 8, 1946, Serial No. 646,312

5 Claims. (Cl. 206—46)



5. A gun barrier comprising a metal tube, a flanged disc secured at each end of the tube to form an end closure therefor, one disc having a tubular boss to embrace and hold the muzzle of the gun and the other disc having spaced apertured brackets to embrace and hold the breech portion of the gun whereby the gun is suspended within the container spaced from the side and end walls thereof.

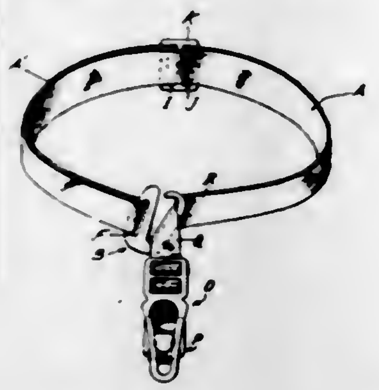
2,417,332

GARTER

Frederick J. Veitch, Flushing, N. Y.

Application December 8, 1945, Serial No. 633,688

3 Claims. (Cl. 2—316)



1. A garter comprising a continuous length of garter fabric or its equivalent provided with a coupling element at one end of the garter, and a sock attachment element at the opposite end thereof, and having an adjusting element attached to the garter fabric or its equivalent between the coupling element and the sock attachment element, said coupling element having two sides joined at one end forming substantially a V shaped element leaving a narrow opening there between the ends of said element, whereby said adjusting element provides means for adjusting both the circumferential and vertical lengths of said garter to suit the circumference and the length of a leg.

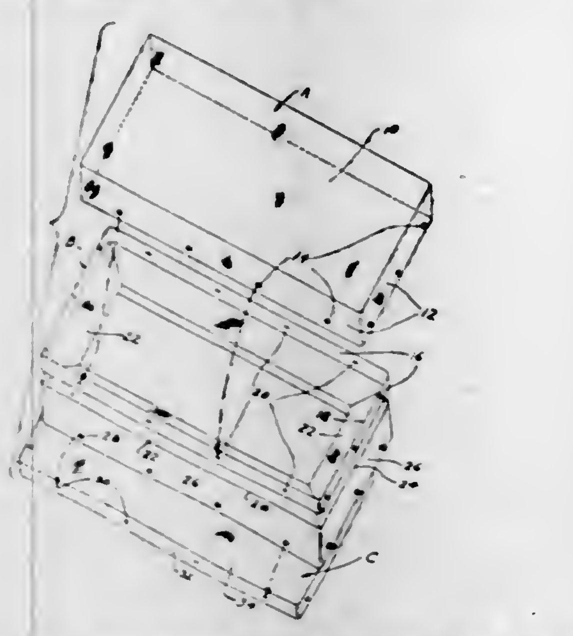
2,417,333

DETACHABLE MATTRESS AND SPRING COVER

Harry Waetzman, Philadelphia, Pa.

Application May 8, 1944, Serial No. 534,597

1 Claim. (Cl. 5—354)



A cover for enclosing a mattress and a bed spring, comprising a top cover section with depending peripheral flanges, a side wall covering section including an inwardly directed V-shaped portion adapted to be inserted between the mattress and the bed spring, a bottom cover section having upwardly-extending peripheral flanges, and complementary fastening means located on each of the edges of said side wall covering section and on the free edges of the flanges of the top and bottom cover sections to connect the three cover sections together to form a unitary covering for the mattress and the bed spring.

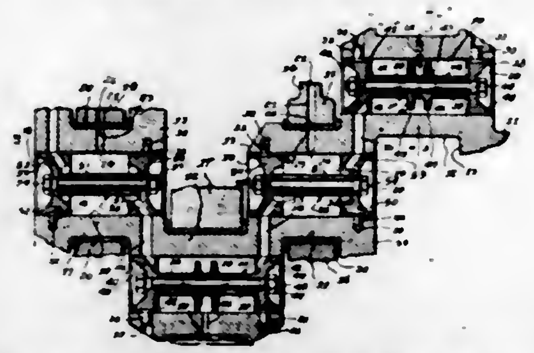
2,417,334

INTERNAL-COMBUSTION ENGINE

Marsden Ware, Huntington Woods, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan

Application August 3, 1940, Serial No. 350,309

6 Claims. (Cl. 184—6)



1. A crankshaft comprising main and rod bearing portions having radially extending oil passages and axial openings therethrough, cheek portions connecting said bearing portions, said cheeks having openings forming continuations of the bearing portion openings and a drilled passage extending through one end into the opposite end with the central portion of each passage connecting the openings, internal pilot members seated in the inner end portions of the passages and projecting into the cheek portion openings, and sectional plug structures secured in the openings in the cheeks and bearing portions, the end sections of said plug structures being insertable separately endwise into the openings in adjacent cheeks and having peripheral slots extending axially to one end for receiving said pilot members.

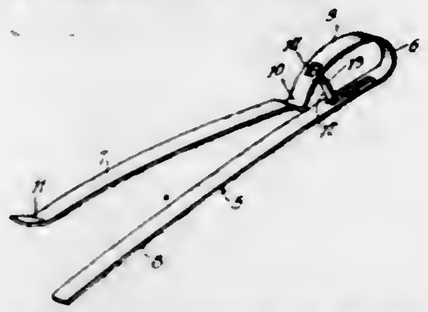
2,417,335

BOBBY PIN

Lloyd R. Westby, Berwyn, Ill.

Application May 26, 1945, Serial No. 595,970

5 Claims. (Cl. 132—46)



3. A bobby pin comprising a single length of resilient material bent upon itself approximately midway between its ends to provide a U-bend from which extend two clamping fingers having parallel overlying portions, one of said fingers having an outwardly bowed portion merging into the U-bend and being formed with a slot, and the other finger having a resilient catch struck up therefrom and having a shoulder arranged to latchingly engage the opposite finger through the slot whereby to hold the second finger in clamping position, said shoulder terminating in an inclined end portion which is arranged to engage an end edge of the slot to spring the shoulder into engagement with said edge when the bowed portion is pressed toward the opposite finger.

2,417,336

COVER FOR GOLF CLUB HEADS

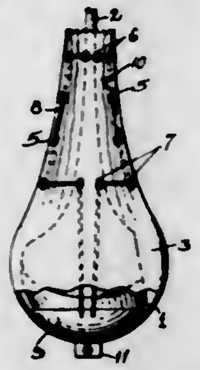
Joshua H. Whitehead, San Francisco, Calif.

Application October 11, 1945, Serial No. 621,724

5 Claims. (Cl. 150—52)

5. In a cover for a golf club head, an elongated bag adapted to fit over the head and neck of a

golf club head, having an opening at one end for the insertion of a golf club head, and means engaging with the sides of the bag and arranged to



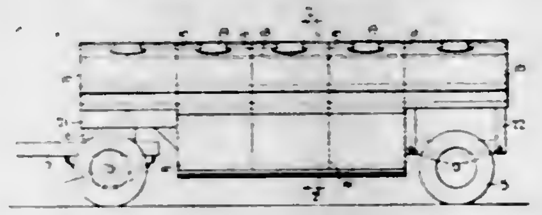
be actuated by a golf club head as the head is inserted in the bag, whereby the opening in the bag may be automatically contracted about the neck of the club.

2,417,337
TANK, ESPECIALLY FOR VEHICLES

John C. Whitesell, Jr., Narberth, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania

Application September 15, 1943, Serial No. 502,465

2 Claims. (Cl. 220—22)



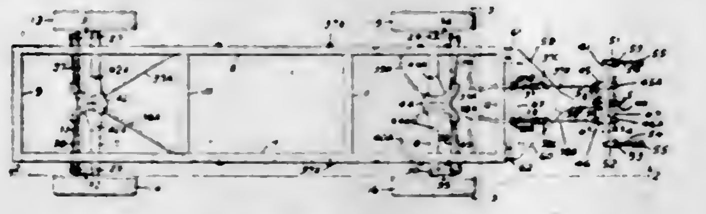
1. Tubular horizontal storage tank composed of more than two sectors, each of said sectors comprising an arcuate section plate constituting the outer shell and separated from the adjoining sectors by partition walls forming main load transmitting structural elements, adjoining ones of said sectors comprising each an angle-section longitudinally extending plate with radially arranged arms the margins of which are secured to the margins of the respective arcuate section plate, adjoining sectors being connected with each other by the overlapping arms of the angle-section plates which constitute said partition walls.

2,417,338
FOUR WHEEL TRAILER

Chester Williams, Ypsilanti, Mich.

Application January 25, 1946, Serial No. 643,278

3 Claims. (Cl. 280—33.55)



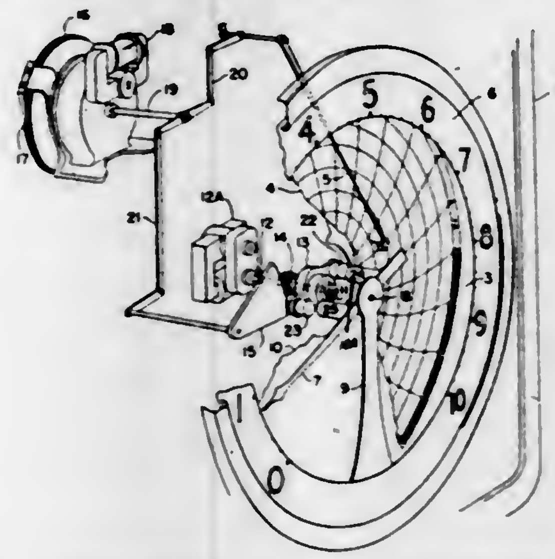
1. A towing and steering mechanism for a four wheel trailer comprising in combination, a draw beam, universally adjustable elements at each end of said draw beam for connecting same to a towing vehicle, cable attaching members slidable on said draw beam, a thrust member secured to said draw beam, a rod in threaded engagement with said thrust member and said cable supporting members, pairs of cables secured to each of said cable supporting members, each pair of cables being adapted to steer the wheels on one side of said trailer, a rearwardly extending member on said draw beam, and a draw bar pivoted to said last-named member and having divergent arms.pivotally secured to the frame of said trailer.

2,417,339
RECORDER WITH MAGNETICALLY POSITIONED INDICATOR

Rew E. Woolley, Cleveland Heights, Ohio, assignor to Bailey Meter Company, a corporation of Delaware

Application June 23, 1943, Serial No. 491,859

1 Claim. (Cl. 234—1)



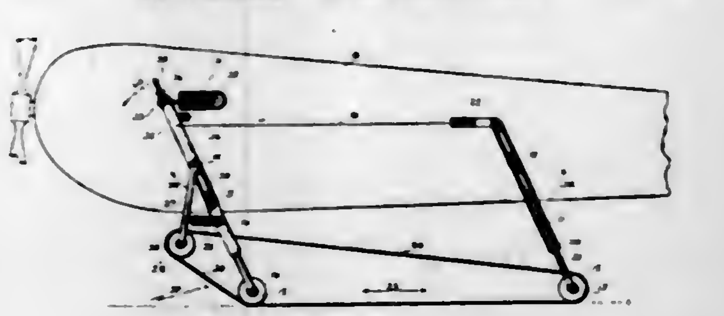
The combination with an instrument casing having a door hinged thereto of a chart backing plate arranged in the casing facing the door and having an opening therein, a magnet rotatably supported within said casing and having its spaced pole pieces received within said opening with their faces substantially flush with the face of said plate, means for rotating said magnet in accordance with a change in a condition to be measured, a magnet rotatably supported on the inner face of said door and having its pole pieces movable into aligned positions with the pole pieces of said first mentioned magnet at points spaced forwardly thereof when the door is closed, and a pointer also rotatably supported solely by said door and positioned by said last mentioned magnet for indicating the value of the condition measured.

2,417,340
LANDING GEAR

Octavio Jose Alvarez, New York, N. Y., assignor to Alvarez Patent Corporation, New York, N. Y.

Application March 23, 1944, Serial No. 527,848

22 Claims. (Cl. 224—102)



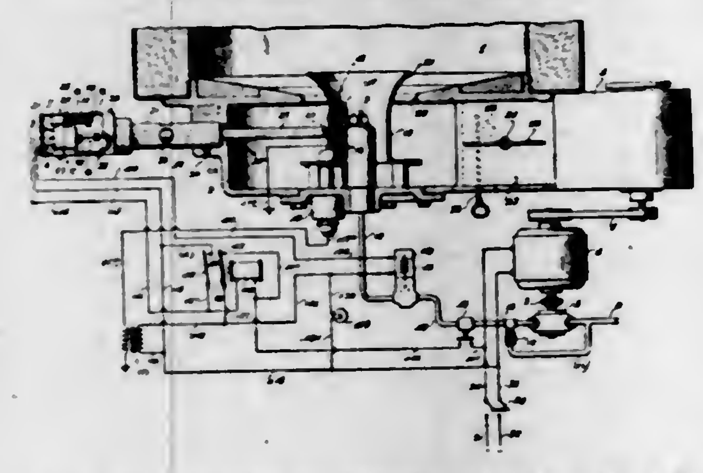
1. A caterpillar type landing gear for aircraft comprising at least two supporting arms freely turnably pivoted at their upper ends to the body of said aircraft, one supporting roller freely rotatably pivoted to the lower end of each of said supporting arms, means for maintaining said freely movable supporting arms in operative position whenever desired, a caterpillar belt running on said rollers, independent means for tightening said caterpillar belt secured to one of said supporting arms and means for turning said supporting arms about their pivoting axes so as to turn said supporting arms together with said supporting rollers and said caterpillar belt at least substantially inside the body of said aircraft whenever required.

2,417,341
FUEL PRESSURE CONTROL AND IGNITION CHECK FOR BURNERS

Perry Arant, Alhambra, Calif., assignor to Clayton Manufacturing Company, Alhambra, Calif.

Application July 26, 1943, Serial No. 496,211

17 Claims. (Cl. 158—28)



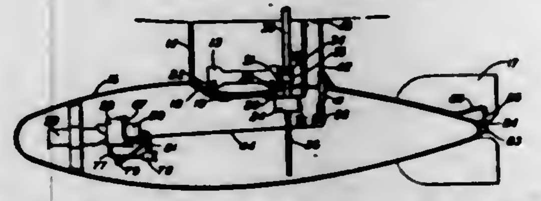
1. A burner control system comprising: a burner; a fuel supply line having a solenoid operated valve connected with said burner; a circuit including said solenoid operated valve and having means for igniting said fuel including an ignition transformer and a pair of electrodes for providing a spark adjacent said burner, one of said electrodes being thermally responsive; a pressure-responsive switch connected in said fuel line and in circuit with said ignition transformer and electrodes arranged to complete a circuit to said ignition transformer to effect the initiation of a spark only upon the existence of a predetermined fuel pressure in said fuel line; and means including said thermally responsive electrode for effecting opening of said solenoid operated valve only when said spark is of sufficient intensity to ignite said fuel.

2,417,342
COMBINED DROP TANK AND DEMOLITION BOMB

Loyal M. Bach, Burbank, Calif., assignor, by mesne assignments, to Lockheed Aircraft Corporation, a corporation of California

Application April 15, 1943, Serial No. 483,219

4 Claims. (Cl. 102—2)



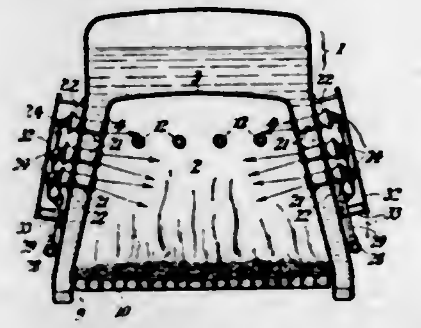
1. In a droppable fuel tank for aircraft, including normally open fuel pumping and venting connections thereto, means for sealing said pumping and venting connections upon the release of said tank, means for discharging an explosive mixture into said tank including containers for explosive materials, and valved means therefor, and means connecting said valved means to said sealing means, said connecting means being so constructed and arranged as to release said valved means upon the operation of the sealing means.

2,417,343
STEAM LOCOMOTIVE BOILER

Charles D. Barrett, Altoona, Pa.

Application September 29, 1942, Serial No. 460,074

12 Claims. (Cl. 110—61)



1. An auxiliary air supply system for a locomotive boiler having a fire box at the rear end with an arch therein which terminates short of the back wall of said box, said auxiliary air supply system including groups of air inlet openings extending respectively through the opposite sides of the boiler into the fire box and communicating into the passage between the arch and said back wall at different levels both above and below the plane of said arch; and injector means for inducing forced flow of atmospheric air from the exterior through the openings into the fire box.

2,417,344
COATING COMPOSITION

Gerald R. Barrett, Winchester, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application May 8, 1942, Serial No. 442,232

8 Claims. (Cl. 106—186)

1. A lacquer composition comprising a cellulose derivative selected from the group consisting of cellulose esters and cellulose ethers, said derivative being thinned to a flowable consistency with a solvent therefor, an inorganic pigment suspended therein which tends to settle in the form of a hard cake, said pigment being selected from the group consisting of inorganic oxides and inorganic aerogels, and a small amount of dibutyl amine pyrophosphate, said pyrophosphate being present in the amount of not less than 0.0001 mols per 100 c. c. of said composition and in an amount sufficient to subsantially prevent the settling of said pigment in the form of a hard cake.

2,417,345
CUPOLA

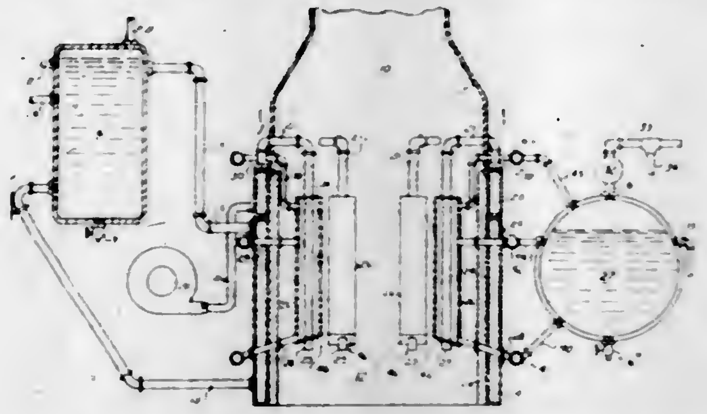
Claud R. Beebe, Inkster, Mich.

Application August 1, 1945, Serial No. 608,273

3 Claims. (Cl. 266—41)

1. A cupola including a refractory lined combustion chamber, a water jacket surrounding the lower portion of said chamber, an air bustle surrounding the upper portion of said combustion chamber, a plurality of vertically extending water jacketed tuyères connected at their upper ends with said air bustle and having their lower ends open to discharge air into a

zone of combustion in said combustion chamber, an air supply duct connected with the bottom of said bustle and communicating with a source of air under pressure, an air supply duct leading from the top of said bustle to each of said plurality of water jacketed tuyères, and a water circulating system for supplying water to said water jacket around said combustion chamber, and to the water jackets surrounding said tuyères, and including a water supply tank connected to the bottom portion of said water jacket surrounding said combustion chamber, and a second water supply tank having connections with the bottoms of each of the water jackets surrounding said tuyères and extending upwardly at an angle to the bottoms thereof, and a water return line leading from each of the said tuyère water jackets at a point removed from the top thereof, and a steam line leading from each of the said tuyère water jackets at a point adjacent the top thereof.



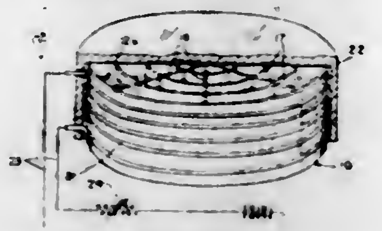
2,417,346
DEGRADATION TREATMENT OF LIGNIN MATERIAL

Friedrich Emil Brauns and Irwin A. Pearl, Appleton, Wis., assignors, by mesne assignments, to Sulphite Products Corporation, Appleton, Wis., a corporation of Wisconsin
No Drawing. Application October 23, 1943, Serial No. 507,458
9 Claims. (Cl. 260—124)

1. The improved degradation process which comprises reacting sulfonated lignin material with calcium hydroxide under autogenic pressure in an alkaline water-butanol reaction medium at a reaction temperature of approximately 300° C.

2,417,347
VIBRATION DAMPER

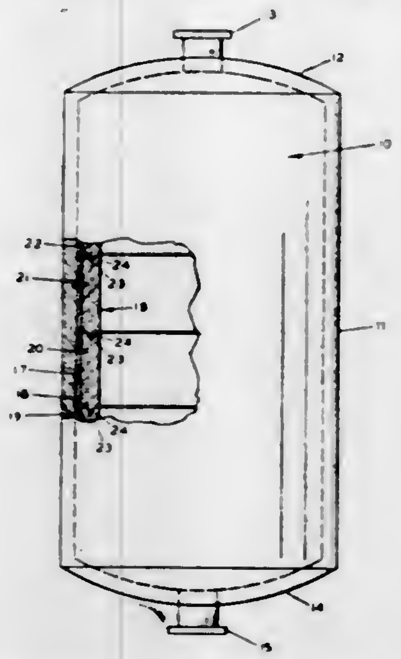
Thomas T. Brown, Laguna Beach, Calif., assignor, by mesne assignments, to Lockheed Aircraft Corporation, a corporation of California
Application July 6, 1943, Serial No. 493,647
11 Claims. (Cl. 188—1)



1. A device for damping vibration of a relatively stationary object subject to vibration comprising, a container, means for rigidly securing the container to said object, partitions dividing the interior of the container into a plurality of compartments to thereby increase the wall area within the container, and free bodies of divided massive material loosely contained in the compartments so that their particles are free for relative movement to have interparticle friction for converting vibratory motion into heat, the surfaces of the partitions being rough to offer additional frictional resistance to movement of the particles of the material.

2,417,348
PROCESS OF LINING CATALYST CHAMBERS

Charles E. Carter, Kansas City, Mo., assignor to Phillips Petroleum Company, a corporation of Delaware
Application March 29, 1943, Serial No. 481,031
1 Claim. (Cl. 25—155)

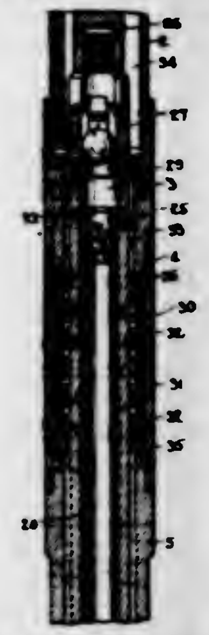


In the insulation of a chamber for the catalytic conversion of hydrocarbons, the process of installing refractory material for the protection of the walls of said chamber, which comprises casting a first section of hard-setting, heat-insulating, plastic material in the inner surface of the lower portion of said chamber wall, forming at least one annular V-shaped groove substantially concentric with said chamber wall in the upper edge of said cast section, allowing said first section to set and assume substantially its maximum contraction, casting a relatively narrow section of said insulating material above said first section with a tongue fitting into said groove to form a vapor-tight unannexed joint between said sections and allowing a similar period for setting and contraction, and successively repeating the operation of casting relatively narrow sections of insulation with similar setting and contracting periods of time between each successive layer to completely line the inner surface of said chamber with vapor-tight sections of insulation.

2,417,349
PUMP SEAL ASSEMBLY

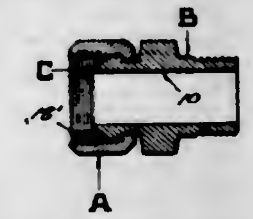
Samuel Gordon Colbaugh, Kilgore, Tex.
Application April 1, 1944, Serial No. 529,219
1 Claim. (Cl. 103—202)

A pump including a liner, means to seat the liner in the pump, said liner including a rigid hollow metal cylinder, an internal shoulder, a sealing cylinder disposed in said liner and having one end abutting said shoulder, a member connected to said liner and affixing said sealing cylinder in said liner, said cylinder being of resilient material having a reenforcing sleeve imbedded therein, and symmetrical rounded corrugations internally thereof.



2,417,350
METHOD OF MANUFACTURE OF AN ADAPTOR UNION

Charles L. Conroy, Libertyville, Ill.
Application March 30. 1944, Serial No. 528,701
1 Claim. (Cl. 29—148.2)

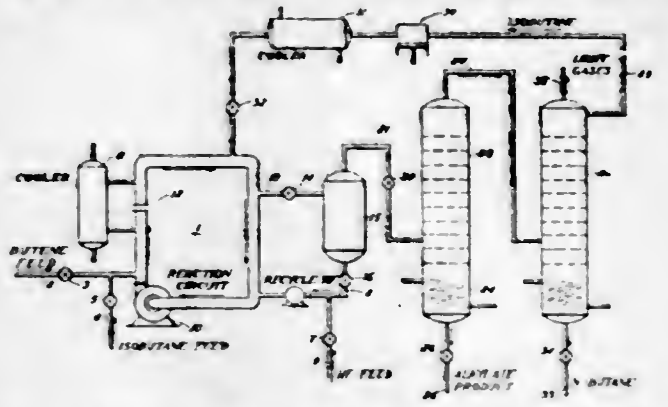


The method of manufacture of an adaptor union including a body member provided with a head having an integral spud at one end and a swivel internally flanged nut permanently asembled on said sput, said spud including a neck and conical head; said method consisting of initially forming the boy member with a longitudinal bore restricted within said spud, said restriction being tapered within the neck portion and straight within the conical head portion, the outer periphery of the neck being conical to conform to the tapered bore within the neck, then inserting the spud into the flanged end of the swivel nut with the body head supported on the nut, which nut is supported in a jig to serve as a holding die for the body member, then gradually expanding the spud radially within the nut by means of a pin starting at the enlarged end of the tapered portion of the bore and proceeding outwardly through the straight restricted portion in the spud head to retain the nut against longitudinal movement on the neck of the spud, producing a continuous straight bore through the body and spud, and substantially retaining the original angle of taper of the conical head.

2,417,351
HYDROFLUORIC ACID RESISTANT PACKING MATERIAL

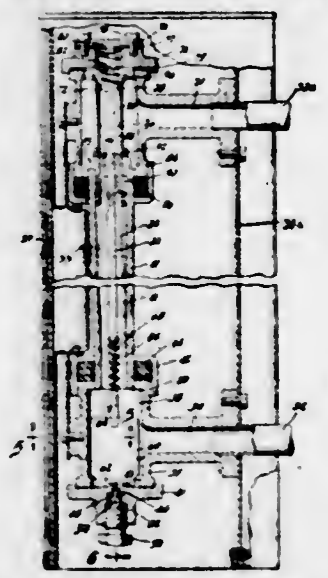
James D. Covington, Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application July 7, 1944, Serial No. 543,855
2 Claims. (Cl. 252—29)

1. As a new article of manufacture, a compacted packing and lubricating mass consisting of an intimate mixture of talc and flake graphite, said mass characterized by being highly resistant to the action of hydrogen fluoride and the talc being present in an amount from about 75 to about 90 per cent of the total weight of the mixture.



2,417,352
FLOWMETER

Claude E. Cox, Detroit, Mich.
Application June 19, 1944, Serial No. 541,037
11 Claims. (Cl. 73—209)



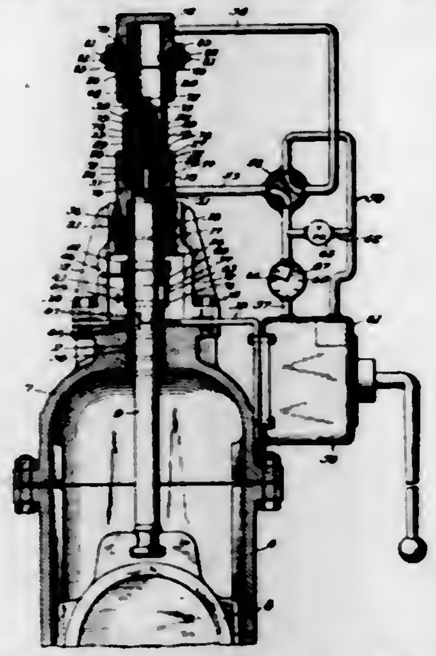
8. In a flowmeter, an upright tube the inner wall of which defines a fluid passage bore having a fluid inlet at one end and a fluid outlet at the opposite end, said bore formed by the wall of the tube consisting of a cylindrical part defined by wall guide portions disposed equidistant from the axis of the bore and a bypass part extending linearly along and opening throughout its length into said cylindrical part and tapering in cross sectional area from one end to the other, an indicator float disposed within said cylindrical part in free slidable contact with the wall guide portions for up and down guided travel through said cylindrical part, said tube being integrallv formed of material which is transparent throughout that portion of its wall which constitutes at least one wall guide portion whereby the travel of the indicator float therealong may be viewed directly through said wall guide portion.

2,417,353
VALVE ACTUATING MECHANISM

Charles R. Crane, II, Chicago, and Alfred Mueller, Berwyn, Ill., assignors to Crane Co., Chicago, Ill., a corporation of Illinois
Application January 22, 1944, Serial No. 519,388
3 Claims. (Cl. 137—139)

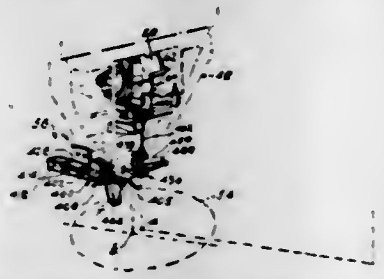
1. In a hydraulically operated valve or the like, the combination with a valve bonnet having a

closure stem reciprocably mounted therein, of yoke arms mounted on said bonnet, a hydraulic cylinder mounted on said yoke arms, a piston mounted for reciprocable movement in said cylinder and connected to said closure stem, a stuffing box for packing provided at the upper end of the bonnet to receive the stem, a stuffing box for packing provided at the lower end of said cylinder to receive the stem, a telescopic gland structure enclosing the stem and disposed between said stuffing boxes for engaging the packing therein, and a plurality of adjusting means for varying the length of said gland structure, one of said adjusting means comprising a step adjustment providing a substantial overall increase or decrease in the length of the gland structure, and the other of said adjusting means comprising a threaded adjustment for providing a limited variation of the overall length of the said gland structure.



2,417,354
PROJECTION APPARATUS FOR BOMBARDIER TRAINING APPARATUS

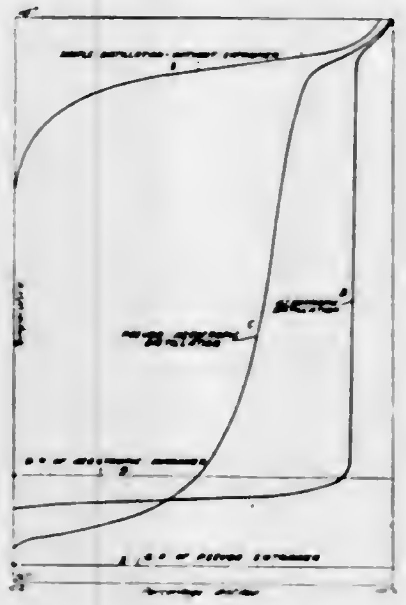
George F. Daly, Endicott, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application October 17, 1945, Serial No. 622,924
6 Claims. (Cl. 88—24)



1. Projection apparatus of the character described comprising a support, a frame member, a photographic projector mounted on said support and movable therewith, a pair of parallel connecting arms of equal length each having one end pivoted to the support and the other end pivoted to the frame whereby the latter is mounted for swinging movement while maintaining the same directional orientation, an arm secured to one of said connecting arms and projecting outwardly therefrom, a link having one end pivoted to the free end of said arm, a floating arm mounted for swing movement about an axis, the other end of said link being pivoted to said floating arm, a driving arm mounted for swinging movement about said axis, a yielding lost motion connection between said driving arm and floating arm, means for locking said frame member against swinging movement, and means for moving said driving arm.

2,417,355
DISTILLATION OF HYDROCARBONS WITH ADDITION OF ACETONE-METHYL ALCOHOL

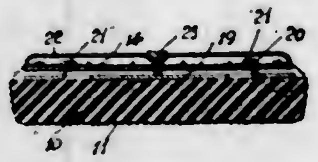
George Anthony Dummett and Sydney Jamieson Ralph, London, England, assignors to The Aluminum Plant & Vessel Company Limited, Wandsworth, London, England
Application June 9, 1941, Serial No. 397,334
In Great Britain May 10, 1940
2 Claims. (Cl. 202—42)



1. A process wherein a mixture having a boiling range of 95 to 125° C. and containing about 60% of aromatic hydrocarbons mixed with paraffins, naphthenes and unsaturated hydrocarbons and inseparable by simple distillation, is distilled with the continuous addition thereto of an entraining agent consisting of about 1.5 to 2 volumes of an acetone-methyl alcohol azeotrope, at a low reflux ratio, whereby a head fraction of very high non-aromatic content is obtained.

2,417,356
RUBBING, SANDING, OR POLISHING BLOCK

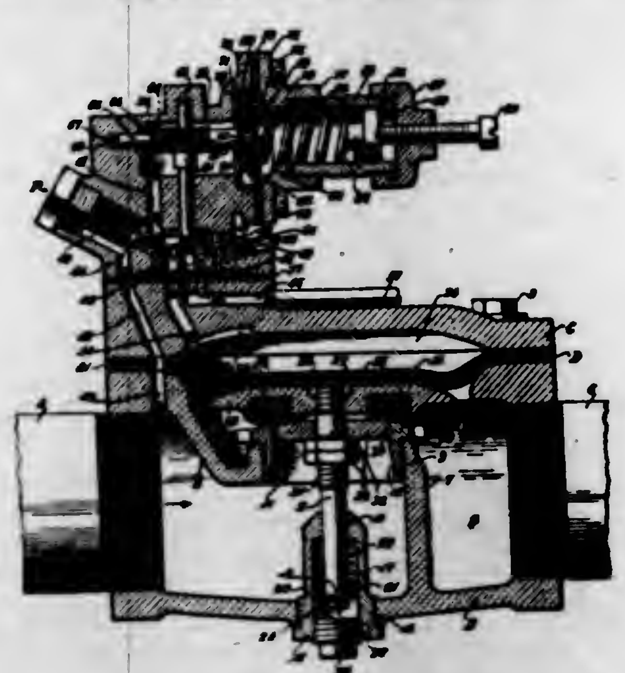
Joseph L. Feild, Detroit, Mich.
Application July 5, 1946, Serial No. 681,486
11 Claims. (Cl. 51—187)



1. In a device of the class described, an upwardly opening pocket member, a filler within said pocket member, said pocket member having marginal flaps on the side walls thereof for folding over the upper surface of said pocket member, a closure plate extending over the upper surface of said filler, means on the said closure plate for engaging overlapping flaps of said pocket, a cover plate superimposed over said closure plate and over the attached flaps of said pocket, and adjustable means for moving said closure plate upwardly from said filler to apply tension to the material of said pocket.

2,417,357
ANTISIPHON VALVE

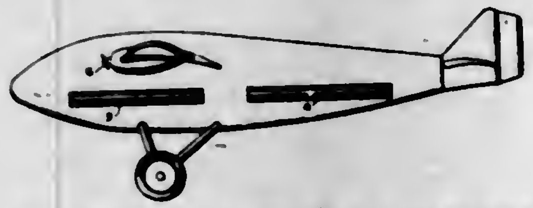
Donald G. Griswold, Alhambra, Calif., assignor to Clayton Manufacturing Company, Alhambra, Calif.
Application June 4, 1941, Serial No. 396,629
5 Claims. (Cl. 137—53)



5. An anti-siphon valve comprising: a body having an inlet opening, an outlet opening and a seat between said openings; means cooperable with said seat for controlling the flow between said openings including a valve stem, a plate member, a valve disc carried by said plate member, and means securing said stem, plate and disc together; a cover member; a diaphragm between said valve body and cover member, said diaphragm cooperating with said cover member to provide a chamber above said diaphragm for operating fluid, the underside of said diaphragm being arranged to be exposed to the pressure of fluid in said outlet opening; and means for admitting operating fluid into and exhausting said fluid from said diaphragm chamber, said diaphragm being engageable with but free from direct connection with said plate member, valve stem and valve disc, whereby said diaphragm can be urged downwardly to effect closing of said valve by the operating fluid, and be urged upwardly by pressure fluid in said outlet opening without tending to raise said valve stem and valve disc in the event that the pressure in said outlet opening exceeds that in said inlet opening.

2,417,358
AIRCRAFT UTILIZING MAGNUS EFFECT

Parlee C. Grose, McComb, Ohio
Application August 3, 1942, Serial No. 453,389
5 Claims. (Cl. 244—10)



1. In an airplane, including a fuselage, means providing an air chamber, cylindrical rotors supported at opposite sides of the fuselage for rotation on axes extending longitudinally thereof and so disposed as to exercise a lift value when rotated both forward and aft of the crafts aerodynamic transverse axis and on either side of its aerodynamic longitudinal axis, said air chamber having outlets in each of which a rotor is positioned, blower means for forcing air into the chamber for discharge through the outlets across the rotors, means for applying rotary motion to the rotors, and means for altering and controlling the Magnus effect lift values of said rotors.

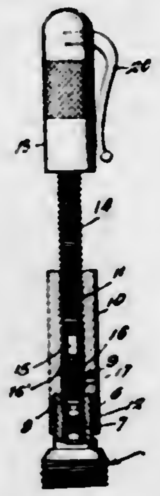
2,417,359
CARBON REMOVAL AND REGENERATIVE GAS REQUIREMENTS IN CATALYST REACTIVATION

Jesse A. Guyer, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application November 6, 1943, Serial No. 509,305
2 Claims. (Cl. 252—242)

1. In the regeneration of a bed of porous granular catalyst deactivated by deposition of carbonaceous material thereon, wherein the major proportion of the carbonaceous material is deposited on the surface of the catalyst and a minor proportion of the carbonaceous material is deposited within the porous catalyst, by flowing through said mass under combustion conditions an oxygen-containing gas, the steps which comprise flowing said oxygen-containing gas through said catalyst bed under combustion conditions until the major proportion of said carbonaceous material is substantially completely burned off in a first regenerative stage and free oxygen begins to appear in the spent regeneration gas leaving the catalyst bed, and continuing the combustion substantially uniformly by continuing the flow of said oxygen-containing gas in a second regenerative stage until the effluent gas contains from 10 to 40 per cent as much oxygen as is present in the gas introduced into the catalyst bed.

2,417,360
VALVE CORE REMOVER

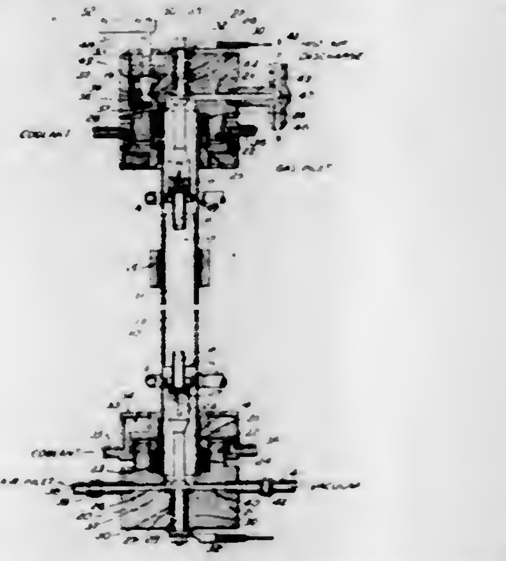
Leo A. Heintzelman, Grand Rapids, Mich.
Application May 22, 1945, Serial No. 595,092
2 Claims. (Cl. 81—3)



1. A tool for removing, from the casing of an inflation valve, a check valve assembly removably threaded into said casing, including an elongated barrel having an axial bore whose wall is threaded to correspond to the thread in the casing engaged by said assembly, said barrel further having a counterbore at its lower end whose wall is threaded to screw onto the upper end of the casing, an elongated handle, an elongated axial threaded stem on the lower end of the handle having adjustable threaded engagement in the bore of the barrel and provided with a reduced lower end portion adapted to freely enter the casing and formed with a kerf for driving en-

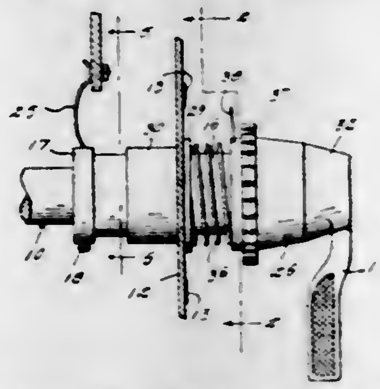
gagement with the check valve stem of the assembly, said threaded stem being longer than the barrel so that its reduced end portion will project below the barrel for engagement with the check valve stem when the barrel is adjusted toward the handle, said barrel being adjustable partially off of the threaded stem for threading onto the casing so as to maintain the threaded stem in engagement with the check valve stem while screwing the assembly out of the casing by turning the handle.

2,417,361
APPARATUS FOR PRODUCING COLD CATHODE FLUORESCENT LAMPS OR THE LIKE
Carl Herzog, Belleville, N. J.
Original application March 7, 1944, Serial No. 525,446. Divided and this application June 30, 1945, Serial No. 602,570
12 Claims. (Cl. 316—11)



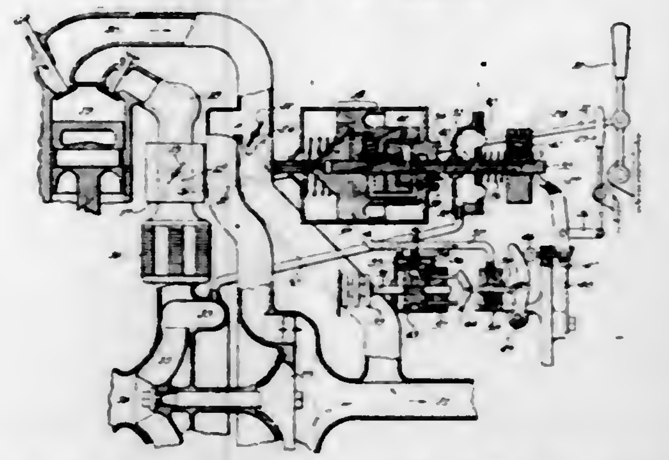
1. In apparatus for making a cold cathode fluorescent lamp or the like, a pair of units, each unit comprising a body portion having a chamber to receive the open end of a glass tube, means carried by the body portion to effect a vacuum tight joint with the glass tube, means for supplying hot air to the chamber of one unit, means for discharging the hot air from the chamber of the other unit, means for connecting the chamber of one unit with the source of vacuum, means for supplying an inert gas to the chamber of one unit, and means for supplying mercury to the chamber of one unit.

2,417,362
FUEL TANK AND GAUGE SELECTOR
Edward B. Heyl, New York, N. Y.
Application March 26, 1945, Serial No. 584,954
6 Claims. (Cl. 200—53)



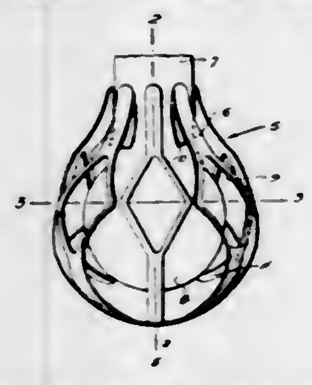
1. In combination, a valve stem, a switch correlated with said stem, and means carried partly by said stem and partly by said switch, whereby the latter may be shifted with rotation of said stem, said means being so constructed and arranged that said switch may be shifted independently of said stem and will automatically return to normal position for normal shifting with rotation of said stem.

2,417,363
SUPERCHARGER CONTROL
George M. Holley, Jr., Grosse Pointe, Mich., assignor to George M. Holley and Earl Holley
Application April 17, 1944, Serial No. 531,479
7 Claims. (Cl. 230—5)



1. A turbo supercharger control for an internal combustion engine, comprising an exhaust outlet from said engine, a turbine therein, a supercharger driven by said turbine, another exhaust outlet, an exhaust valve therein, means responsive to the pressure above the atmosphere generated by said exhaust driven supercharger for causing said valve to open when a preselected supercharger pressure is exceeded and to close when the supercharger pressure is below the preselected pressure, manual and barometeric means adapted to jointly select said pressure above the atmosphere.

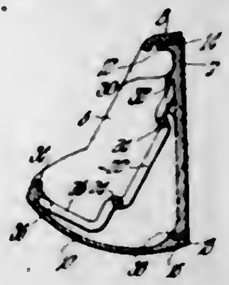
2,417,364
LAMP PROTECTOR
Leslie E. Hunt, Bay City, Mich.
Application March 14, 1945, Serial No. 582,682
1 Claim. (Cl. 240—102)



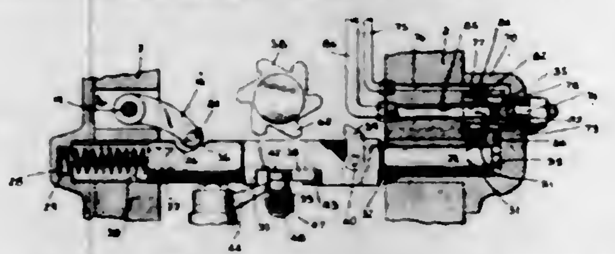
A lamp protector comprising a casing of bulbous form and composed of a plurality of elongated strips of yieldable material connected at one end to each other and having their other ends free, tongues struck inwardly from an intermediate portion of said strips and tongues extending downwardly from the ends of said strips, said tongues bearing against a lamp positioned in the casing to space the lamp therefrom.

2,417,365
SOAP DISH CONSTRUCTION
Edward A. Jodoin, Springfield, Mass.
Application March 13, 1945, Serial No. 582,514
4 Claims. (Cl. 45—28)

3. A soap dish construction comprising in combination, a support for disposition in a vertical plane, a member having upper, lower and side walls, releasable engageable means associated with said upper and lower walls and the upper and lower edges of the support whereby the member may be releasably secured to said support, a rack extending in an inclined relation from said support to said member, said walls providing an opening making said rack accessible, said rack including integral spaced transverse and longitudinal members, and the said transverse members having offset portions intermediate their opposite ends with the end portions adjacent said lower wall extending upwardly from the plane of said members, means on the support and member for releasably receiving opposite ends of the transverse members of the rack whereby said rack is released when the member is disconnected from the support.



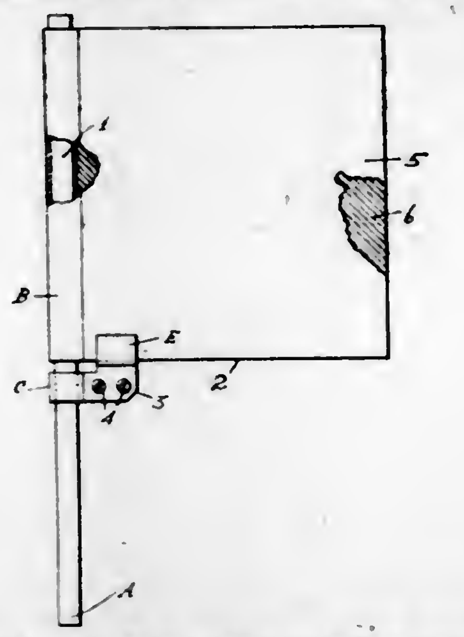
2,417,366
POWER INDEXING MECHANISM
Oskar Kylin, Henrik O. Kylin, and Michael L. Valentino, Cleveland Heights, Ohio, assignors to Bardons and Oliver, Inc., Cleveland, Ohio, a corporation of Ohio
Application June 30, 1942, Serial No. 449,068
2 Claims. (Cl. 29—49)



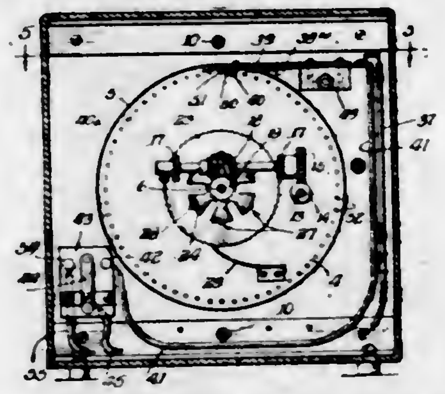
1. In a machine tool, a member to be indexed, locked, and clamped, means for indexing said member, means for locking and means for clamping and unclamping said member, an actuator for actuating each of said means, an hydraulic motor for moving said actuator in one direction to unclamp and unlock and then index said member, means for returning said actuator to lock and clamp said indexed member, a source of fluid pressure, and a single control valve for said hydraulic motor, said valve and said motor having a plurality of cooperating fluid distributing ports, said valve being movable to select one of a plurality of stations for said actuator whereby to unclamp and unlock and/or index said member.

2,417,367
SIGNAL FLAG FOR RAILWAY TRAINS OR THE LIKE
Earl G. Leach, Wellington, Kans.
Application October 23, 1944, Serial No. 560,072
3 Claims. (Cl. 116—175)

3. In a signal flag of the class described, a flag body of suitable length, width and thickness and being made from colored plastic material, one half of its length being green while the other half is white, said one half portions being equally lapped back on themselves and integrally joined side to side, means to secure one edge of the flag body to a flag staff removably and invertible thereon sidewise with respect to a horizontal plane and means rigidly secured to the flag staff while one portion of said means extends outward from said flag staff to carry the flag body extending in one direction for the purpose specified.



2,417,368
MECHANISM FOR CONTROLLING ELECTRIC CIRCUITS
Frederick B. Little, Chicago, Ill.
Application September 11, 1943, Serial No. 501,951
7 Claims. (Cl. 200—36)

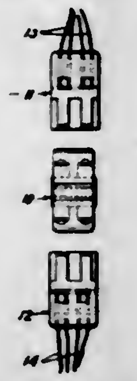


2. The combination of a synchronous motor, a clock dial plate with time-denoting graduations thereon, said plate being mounted for rotation about its axis, a gear train connecting said motor to the dial, said dial having a plurality of openings associated with said graduations and arranged in a circular series, a metallic contact element removably carried in a selected opening of the series and projecting from one face of the dial plate, a pair of contact members disposed side by side in spaced relation to each other, adjacent the plane of said dial plate and adjacent the path of said contact element carried by said plate, said element serving to engage both contact members at a predetermined time as the dial plate rotates.

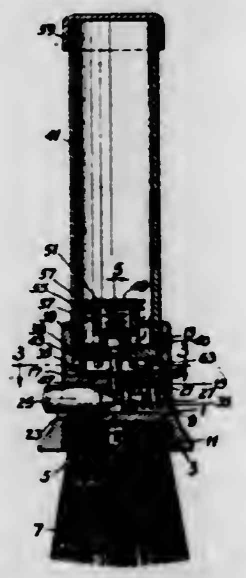
2,417,369
MULTIPLE CIRCUIT CONNECTOR OF THE PLUG TYPE
Hans P. Luhn, Armonk, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application March 29, 1944, Serial No. 528,656
5 Claims. (Cl. 173—328)

1. A selective circuit connector for multiple circuits comprising an intermediate frame carrying a plurality of intermediate connector units, each comprising a body portion carrying contact members extending oppositely for circuit connec-

tions at each side of said body, individual means carried by each of said connector units to lock the latter at desired positions of said frame, a plurality of frames mounted at opposite sides of the intermediate frame and each carrying a plurality of plug connector units carrying contact members cooperating with the related contact members of the intermediate connectors when said frames are releasably joined together, and said plug connector units carrying jacks integral with the related contact members for receiving plugs variously positioned in said jacks, the releasable interconnection of said frames enabling one of said frames to be dissociated from the intermediate frame to enable plug connections on the plug connectors carried thereby to be changed, while the plug connectors on the other frame remain associated with the intermediate connector units of the intermediate frame and its plug connections remain unchanged, and means for collectively locking one or more plug connectors to the related frame at desired positions for cooperation with the intermediate connector units locked at corresponding positions.

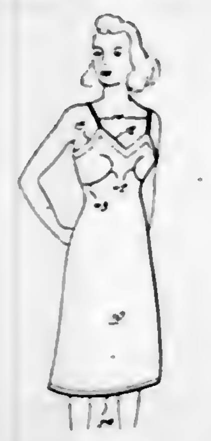


2,417,370
FOUNTAIN BRUSH
Merritt W. Magann, St. Louis, and William A. McElvain, Maplewood, Mo., assignors to Diagraph-Bradley Stencil Machine Corporation, St. Louis, Mo., a corporation of Missouri
Application December 13, 1944, Serial No. 567,922
10 Claims. (Cl. 15—138)



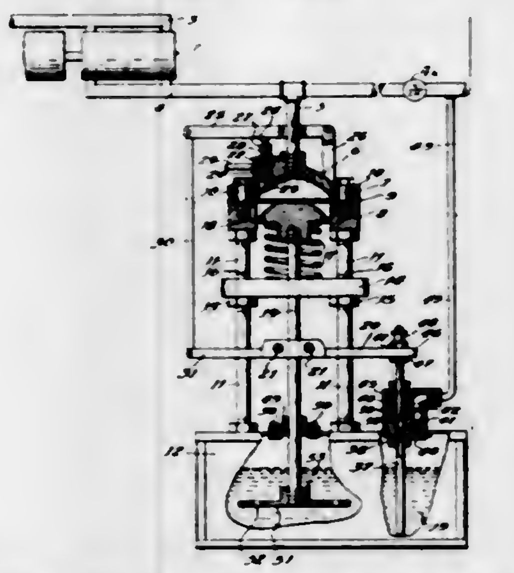
1. In a fountain brush having a body with attached reservoir and brush, means providing a passage between the reservoir and the brush, a valve in the passage, a liquid-tight diaphragm in the body capable of movement which is adapted to operate the valve, and operating means on the side of the diaphragm opposite the valve and extending to a point exteriorly of the body for actuating the valve through the diaphragm, said diaphragm positively protecting said operating means from liquid.

2,417,371
LADY'S GARMENT
Frances R. McAbee, Westport, Conn., assignor to McAbee Industries, Incorporated, Westport, Conn., a corporation of Connecticut
Application May 18, 1946, Serial No. 670,796
4 Claims. (Cl. 2—73)



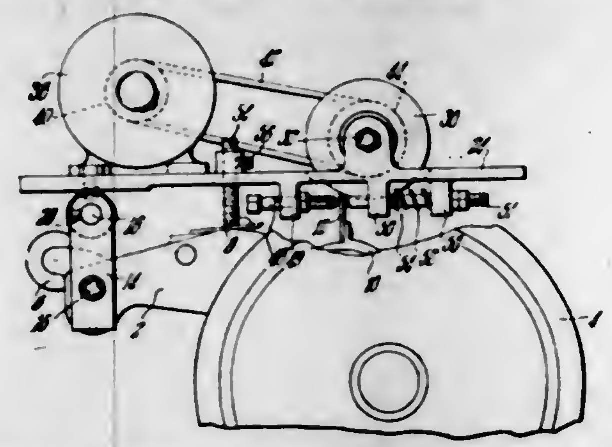
1. A lady's garment provided with attached waist and skirt portions, two opposed edges of which are joined at the back of the garment, a seam on each side of the garment extending from a point in the bust-enclosing section, rearwardly through the underarm section to the back of the garment, the edges of the blank which are joined together to form each of such seams comprising plane curves which extend from such point in the bust-enclosing section inwardly toward the front median line of the garment and thence outwardly toward the rear of the garment, the lower edge extending further inwardly toward the front median line than the upper edge.

2,417,372
PROPORTIONAL LIQUID REAGENT FEEDING DEVICE ACTUATED BY FLUID IN A CONDUIT
Harry W. Morris, Chicago, Ill.
Application January 15, 1944, Serial No. 518,359
11 Claims. (Cl. 210—40)



1. In a device of the character disclosed having a feed line and means for feeding a fluid under pressure therethrough; the combination therewith of means for supplying a fluidal substance to said feed line proportionate to the rate of feed of said fluid in said line, comprising a receptacle for containing said substance, a pump having an intake extending into said receptacle and said substance, and having a discharge means connected to said feed line, and actuating means having a duct connected to said feed line for operation of said actuating means by the force of the fluid in said feed line and having means connected to said pump for operating said pump proportionately to the rate of feed of said fluid in said feed line, said actuating means comprising a chamber communicating with said duct, a movable member connected to said chamber and being subjected to the force of the fluid from said feed line and in said chamber, said chamber having a spring support, and a spring between said member and said support, said connecting means to said pump being operatively associated with said member for actuation by said member.

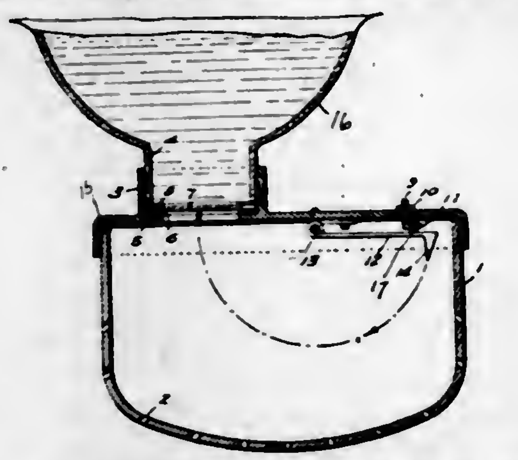
2,417,373
LAWN MOWER SHARPENER
James S. Morrison, Springfield, and Frank J. Arciszewski, East Longmeadow, Mass.
Application September 7, 1945, Serial No. 614,908
3 Claims. (Cl. 51—249)



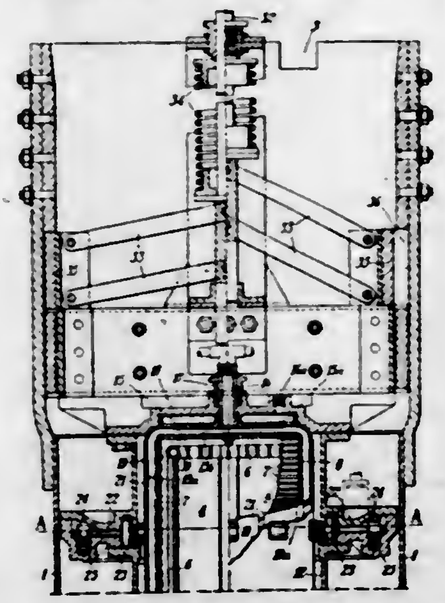
1. The combination with a lawn mower having spaced transversely extending end frames and a longitudinally extending stationary cutter bar between said frames with a flier rotatable between said end frames at one side of said cutter bar having circumferentially spaced longitudinally extending helically arranged cutter blades cooperating with said cutter bar of sharpening apparatus comprising, end members secured to and extending upwardly from said end frames and spaced outwardly from the other side of said cutter bar, a rod fixed to and extending between said end members, a slide swingable on and reciprocable back and forth on said rod longitudinally of the flier, a platform extending over said cutter bar and flier, connections between said slide and one end of said platform whereby the platform and slide are simultaneously movable, guide means on the lower side of said platform for engaging opposite sides of a cutter blade to rotate the flier and maintain an edge of a blade in said guide means as the platform is moved longitudinally, said platform provided with a slot and having bearing means on its upper side, an abrasive wheel rotatable in said bearing means having a peripheral portion extending through said slot for acting on a blade in said guide means, driving means on said platform having operative connection to said wheel for rotating the same, and a screw threadedly engaging said platform having a lower end engaging said cutter bar to swing the platform up and down and adjust the abrasive wheel relative to the blade in said guiding means.

2,417,374
FIRE EXTINGUISHING DEVICE
Charles R. Morton, Summit, N. J.
Application March 12, 1945, Serial No. 582,353
1 Claim. (Cl. 169—26)

In a fire extinguishing device, a container of carbon tetrachloride having a downwardly opening spout with outside threads, a casing having a plurality of side and downward openings, a cover threaded on to the upper portion of the casing, a spout on the cover in threaded engagement with the spout on the container, a shoulder on the cover, a disc of frangible material resting on the shoulder and abutting the spout on the container, said cover having an aperture, a pin passing through the cover and having a loop at its lower end, an arm in the casing having a projection engaging the loop, fusible metal means passing through the pin and engaging the upper surface of the cover to prevent downward movement of the pin, and a spring to force the arm to break the frangible disc when the fusible metal melts to allow the pin to move downward.



2,417,375
APPARATUS FOR PRODUCING SEAMLESS HOLLOW BODIES OF FELTED FIBROUS MATERIAL
Maurice George Robert Newbould, London S. W. 1, England, assignor to Papercrete Limited, London, England
Application February 15, 1943, Serial No. 476,026
In Great Britain March 6, 1942
5 Claims. (Cl. 92—60)



1. Apparatus for forming seamless hollow bodies by aspiration of a liquid suspension of fibrous pulp comprising, a vat, a foraminous core element in said vat, means for introducing a liquid suspension of fibrous pulp between the inner surface of the vat and the outer surface of the foraminous core element, means for withdrawing liquid which separates from the pulp through the foraminous core element leaving a body of fibrous material deposited thereon, an expansible and contractable non-foraminous mould element, a casing surrounding said non-foraminous mould element, means supporting the

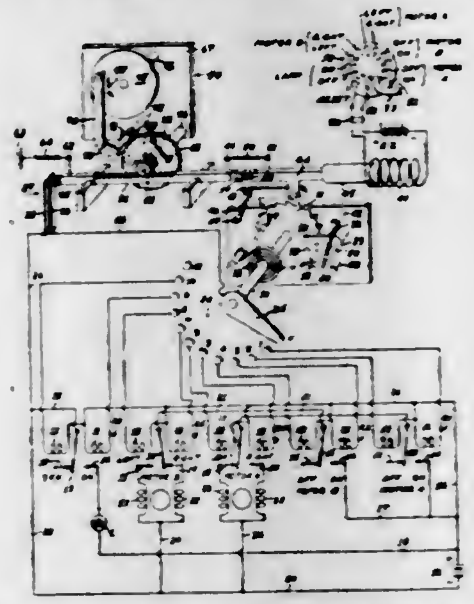
mould element and said casing in spaced relation to the core element, means for introducing air under pressure into the casing for contracting the mould element to compress said body of fibrous material on the core element, means for expanding the non-foraminous mould element on release of the air pressure, means for limiting the expansion of the mould element to an extent sufficient for the body of fibrous material to be detached from the foraminous core element and to be retained within the mould element, means for raising the mould element, and means for releasing the limiting means to accommodate further expansion of the non-foraminous mould element to facilitate release of the fibrous body.

2,417,376
PULSE TRANSLATING MECHANISM

William E. Newman, Moorestown, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application March 2, 1944, Serial No. 524,727

2 Claims. (Cl. 177—353)



1. Control mechanism comprising a rotary switch including a movable arm and a plurality of contacts, a plurality of devices to be controlled, each respectively connected to one of said contacts, means including a ratchet wheel for causing the switch arm to be selectively stepped along step by step from a neutral position to any one of said contacts, a pawl for retaining the ratchet wheel and switch arm in their stepped positions, a time delay device effective as soon as the switch arm begins to step until it reaches the selected contact for preventing actuation of those devices connected to the intermediate contacts, means carried by the ratchet wheel operative at a limiting position of the switch arm to trip the pawl out of engagement with said ratchet wheel, spring means for returning the wheel and arm to neutral position, and additional means carried by the ratchet wheel effective upon its return to neutral position to return the pawl to engaging position.

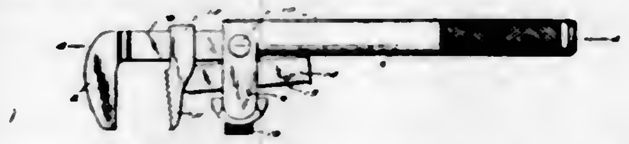
2,417,377
WRENCH

Albert Partin, Livingston, Mont.

Application August 31, 1944, Serial No. 552,061

1 Claim. (Cl. 81—126)

A wrench comprising a handle having a guide projecting laterally from one end thereof, a jaw including a shank pivotally attached to the handle at its end provided with the guide, a second jaw having a collar formed thereon slidably mounted on the shank of the first-named jaw, spring means interposed between the second jaw and the shank of the first jaw, said second jaw also including a shank having a toothed edge and slidably mounted in said guide, a dog having a threaded shank adjustably mounted in said guide, said dog being provided with teeth engaging the teeth of said shank and spring means in said guide engaging said dog to urge the teeth into engaged position.

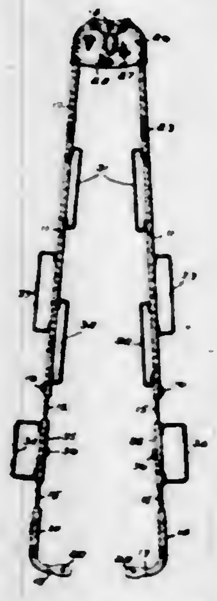


2,417,378
SPLINT-STRETCHER FRAME

Wallace W. Robinson, Portland, Maine; Marguerite G. Robinson executrix of the estate of said Wallace W. Robinson, deceased

Application December 28, 1943, Serial No. 516,289

16 Claims. (Cl. 5—82)



2. A splint-stretcher comprising a body-supporting frame having a pair of elongated, rigid side members, said members being adapted directly to engage the sides of the body and to support by themselves both sides of the shoulder and pelvic girdles, and said members having integral, inwardly directed rigid end portions meeting at the longitudinal axis of the frame at the opposite ends thereof, a head rest disposed between the side members at the upper end of the frame, braces projecting from the respective side members at the lower portion of the frame for supporting the legs of a body carried thereon, and means pivotally connecting one pair of said end portions directly to each other at the upper end of the frame, whereby the side members may be obliquely diverged and then converged to spaced relation beneath a prostrate body and whereby the frame and supported body may be lifted and transported by two bearers, one grasping the pivotally connected end of the frame and the other grasping the opposite ends of the respective side members.

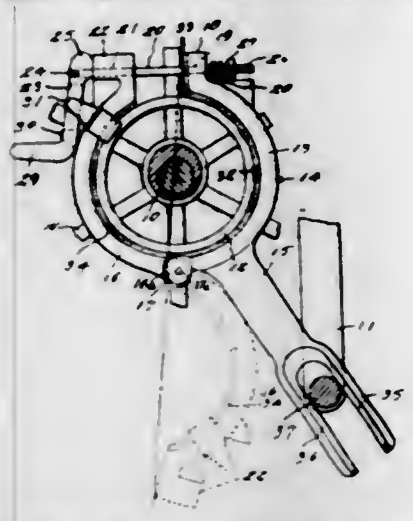
2,417,379
BRAKE FOR LOOM LETOFF MECHANISM

Andrew B. Shelton, Columbus, Ga., assignor to A. B. Shelton Corporation, a corporation of Georgia

Application February 12, 1945, Serial No. 577,433

1 Claim. (Cl. 139—108)

In a loom warp beam let-off mechanism of the type having a beam gear, a pinion shaft, a ratchet loosely mounted on said pinion shaft and a rockshaft: a brake including a brake drum fixed to said ratchet; a brake band surrounding said brake drum and comprising a first band member, a second band member, means pivotally connecting said band members together at one end, means releasably connecting said band members together at the other end; an arm fixed at one end to said first band member and being forked at the other end, said forked end embracing said rockshaft to prevent rotation of said brake band; the construction being such that when said releasable connection is released said second band member may be swung to a position wherein both band members lie wholly on one side of a straight line passing through the center of said pinion shaft whereby said brake may be removed from the loom without removing any other parts of said let-off mechanism.



2,417,380
PROCESS FOR THE PREPARATION OF α-NITRO-ISOBUTENE

Arthur Ernest Wilder Smith and Charles William Scaife, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application February 22, 1945, Serial No. 579,310. In Great Britain March 13, 1944

8 Claims. (Cl. 260—644)

1. A process for the production of alpha-nitroisobutene which comprises treating 1,2-dinitroisobutane in the presence of water with at least one basic substance selected from the group consisting of the oxides, hydroxides, carbonates and bicarbonates of the alkali metals and alkaline earth metals and ammonium hydroxide and ammonium carbonate.

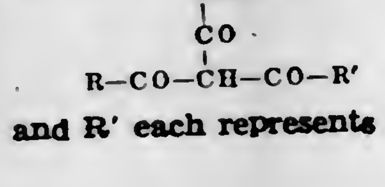
2,417,381
PREPARATION OF C-ACETYLATED COMPOUNDS

John A. Spence and Edward F. Degering, West Lafayette, Ind., assignors to Purdue Research Foundation, La Fayette, Ind., a corporation of Indiana

No Drawing. Application August 30, 1945, Serial No. 613.698

8 Claims. (Cl. 260—483)

1. In a process for preparing C-acetylated compounds of the following general formula:



$$R-CO-\underset{\displaystyle CH}{\overset{\displaystyle \overset{CH_3}{\overset{|}{CO}}}{\overset{|}{}}}-CO-R'$$

wherein R and R' each represents a member selected from the group consisting of an alkyl group, an aralkyl group, an aryl group, an alkoxyl group and an aryloxyl group, the step which comprises reacting ketene ($CH_2=C=O$) with a carbonyl compound selected from the group of compounds represented by the following general formula:

$$R-CO-CH_2-CO-R'$$

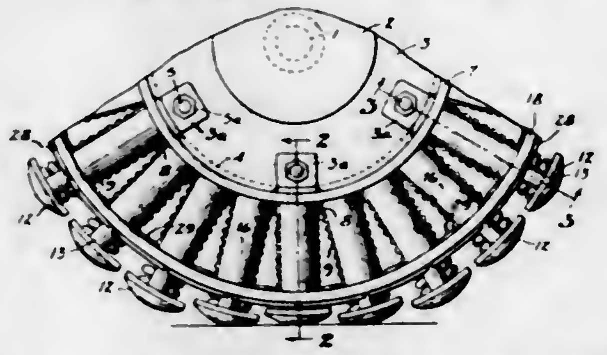
wherein R and R' each represents a member selected from the group consisting of an alkyl group, an aralkyl group, an aryl group, an alkoxyl group and an aryloxyl group, the carbonyl compound and the ketene being the sole reactants present.

2,417,382
VEHICLE WHEEL

Jacob J. Spira, Cleveland, Ohio, assignor of two-thirds to Samuel O. Siegel and Edward I. Siegel, Cleveland, Ohio

Application June 10, 1943, Serial No. 490,232

9 Claims. (Cl. 152—16)



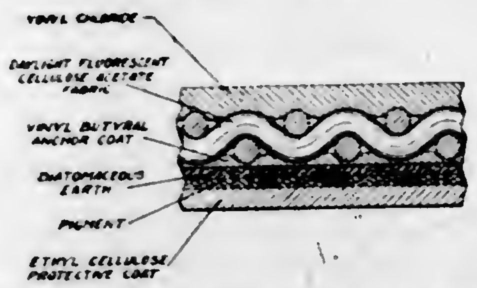
1. A vehicle wheel having a rim and a plurality of spaced units, each unit comprising a tread arranged outwardly from said rim and being compressible by the load of said vehicle when the tread engages the road, a main spring disposed between said rim and tread for assuming the main portion of the load when the tread engages the road, a pair of guides arranged on opposite sides of the main spring, each having one end affixed to and extending radially inwardly from said tread, and resilient means associated with said rim and each of said guides for limiting the outward movement of said tread when it is disengaged from a road.

2,417,383
COATED FLUORESCENT FABRIC

Joseph L. Switzer, Cleveland Heights, Ohio

Application November 25, 1942, Serial No. 466,959

8 Claims. (Cl. 250—71)

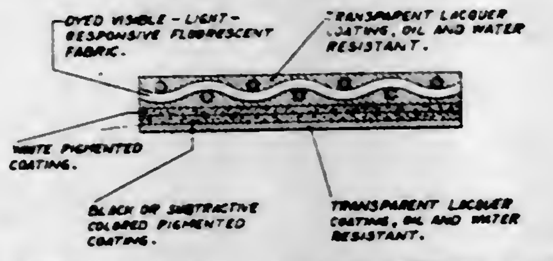

VINYL CHLORIDE
DAYLIGHT FLUORESCENT CELLULOSE ACETATE FABRIC
VINYL BUTYRAL ANCHOR COAT
DIATOMACEOUS EARTH
PIGMENT
ETHYL CELLULOSE PROTECTIVE COAT

4. A signal and display panel comprising a web of cellulose acetate fabric, a bleeding daylight fluorescent dye dispersed in said web, a resinous anchor coat on the reverse of said web, a stratum of diatomaceous earth on said anchor coat, a pigmented coating on said stratum comprising a pigment dispersed in a cellulose ether carrier, a resinous anchor coat on the obverse of said web and a clear cellulosic overcoat on said obverse anchor coat.

2,417,384

DAYLIGHT FLUORESCENT SIGNALING AND DISPLAY DEVICE

Robert C. Switzer, South Euclid, Ohio
Application July 16, 1943, Serial No. 494,969
5 Claims. (Cl. 250—71)

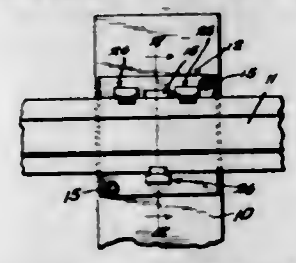

DYED VISIBLE - LIGHT - RESPONSIVE FLUORESCENT FABRIC.
TRANSPARENT LACQUER COATING, OIL AND WATER RESISTANT.
WHITE PIGMENTED COATING.
BLACK OR SUBTRACTIVE COLORED PIGMENTED COATING.
TRANSPARENT LACQUER COATING, OIL AND WATER RESISTANT.

1. A device for conveying intelligence visually in daylight beyond the range of subtractive color perceptibility comprising a backing sheet and a fluorescent dye in a visible-light-responsive fluorescent state on said backing sheet imparting to said backing sheet a daylight fluorescent color comprised of a predominantly reflected waveband of incident visible light and florescent emitted light of substantially the same wave length as said predominantly reflected waveband.

2,417,385

RAILROAD PLATE WITH SPIKES

Henry L. Tilly, New Orleans, La.
Application July 7, 1944, Serial No. 543,904
5 Claims. (Cl. 238—294)

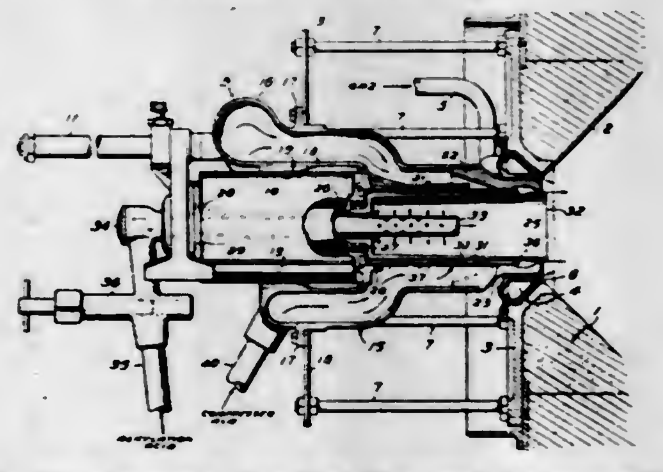


1. In combination a railway tie plate having at least one substantially rectangular opening therein, at least one tongue on the tie plate projecting into the opening, a spike adapted to enter the opening and be driven into a railway tie, said spike comprising a shank having a groove therein to receive the tongue, a head on the shank, and a shoulder at the junction of the shank and head, said shoulder being adapted snugly to fit into the opening in the tie plate when the spike is driven home.

2,417,386

ATOMIZATION OF STRONG SULFURIC ACID

Nicolay Titlestad, White Plains, N. Y., assignor to Chemical Construction Corporation, New York, N. Y., a corporation of Maine
Application December 17, 1943, Serial No. 514,636
3 Claims. (Cl. 23—178)

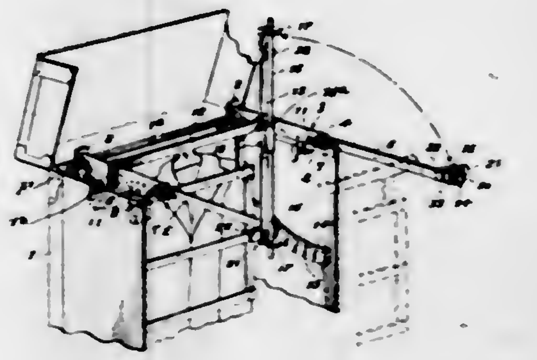


1. In a process for the thermal decomposition of strong sulfuric acid by contacting it in a furnace with a flame obtained by the injection of a fuel, the improvement which comprises providing said acid at the rate of 3—5 tons per hour, converting this acid into a radial spray, and injecting said spray into the furnace by impinging thereon an annular blast of air compressed to at least 16 pounds per square inch gage, said air being supplied at the rate of from about 250 to about 350 cubic feet per minute.

2,417,387

EXTENSION TRACKWAY FOR WARDROBE TRUNKS

Robert A. Totty, Petersburg, Va.
Application May 4, 1944, Serial No. 534,071
3 Claims. (Cl. 190—13)



3. A garment storage unit comprising spaced carrying bars to receive and support individual garment hangers, a pressure bar normally bridging said carrying bars, said pressure bar being pivotally connected at one extremity to one carrying bar to swing on an axis extending longitudinally of such carrying bar, the other carrying bar being formed with a socket to receive the opposite end portion of the pressure bar, means for locking said pressure bar in and relative to said socket, said socket including a U-shaped hanger on the carrying bar having one side outwardly spaced from one surface of such bar to snugly receive the end portion of the pressure bar, and a lug carried by the pressure bar and adapted to engage an edge of the hanger to adjust the relation between the end of the carrying bar and the end of the pressure bar, when the latter is within the socket.

2,417,388

SERICEOUS FIBERS

Thomas C. Whitner, Elizabeth, N. J., assignor to Chemical Laboratories, Inc., a corporation of New Jersey
No Drawing. Application August 10, 1944, Serial No. 548,939
11 Claims. (Cl. 117—164)

1. The process for treating cellulose fibers which comprises impregnating said fibers with an aqueous solution of an alkali metal hydroxide and an alkylolamine-copper complex and in which solution are dissolved silk fibers, the proportion of said alkali metal hydroxide being not less than about 0.5 per cent and not more than about 4 per cent the weight of said aqueous solution, washing said impregnated fibers with an aqueous solution of an acidic agent yielding water-soluble salts on reaction with said alkylolamine-copper complex and said alkali metal hydroxide, and removing substantially all of said acidic agent and said water-soluble salts from said cellulose fibers.

2,417,389

TREATMENT OF SERICEOUS FIBERS

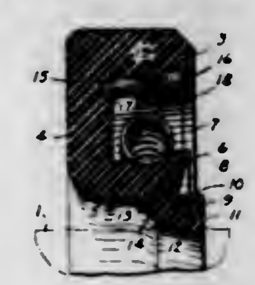
Thomas C. Whitner, Elizabeth, N. J., assignor to Chemical Laboratories, Inc., a corporation of New Jersey
No Drawing. Application December 26, 1944, Serial No. 569,929
12 Claims. (Cl. 117—164)

1. The process for treating cellulose fibers which comprises impregnating said fibers with an aqueous solution of an alkali metal hydroxide and an alkylolamine-copper complex and in which solution are dissolved silk fibers, the proportion of said alkali metal hydroxide being not less than about 0.5% and not more than about 4% the weight of said aqueous solution, washing said impregnated fibers with an aqueous solution of an acidic agent yielding water-soluble salts on reaction with said alkylolamine-copper complex and said alkali metal hydroxide, removing substantially all of said acidic agent and said water-soluble salts from said cellulose fibers, to give cellulose fibers impregnated with sericeous material, and treating the impregnated fibers with a saturated aliphatic water-soluble aldehyde at a temperature not less than atmospheric and not exceeding 150° C.

2,417,390

OIL SEALING RING

Thomas H. Winkeljohn, Wabash, Ind., assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application June 12, 1944, Serial No. 539,921
4 Claims. (Cl. 288—2)



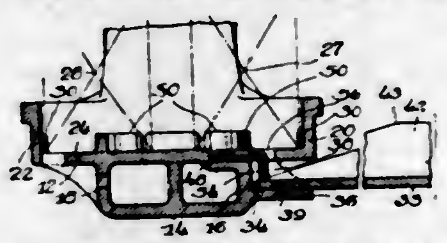
1. A sealing ring for insertion between concentric cylindrical surfaces comprising a body of elastic and pliable material having the form of a laterally facing channel with radially spaced annular positioning and sealing flanges and a connecting web, said positioning flange having a cylindrical outer face for engagement with one of said concentric surfaces and a conical inner face, said sealing flange having a projecting annular sealing lip for engagement with the other of said cylindrical surfaces, an annular spring within the channel bearing against said sealing flange, and a stiffening ring of conical form fitting within the conical inner face of said positioning flange.

2,417,391

CAR TRUCK

Robert B. Cottrell, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application June 9, 1944, Serial No. 539,441
15 Claims. (Cl. 105—208.2)

9. In a railway car truck, a side frame comprising top and bottom members and spaced columns defining therewith a bolster opening, a spring seat on said bottom member, springs on said seat, a bolster supported by said springs on said seat, a pocket in the inboard side of said bottom member beneath said seat, a spring plank extending into said pocket, means securing said plank within said pocket, said means including a plate seated on said bottom member and forming therewith said spring seat, said plate including an upstanding lug engaging one of said

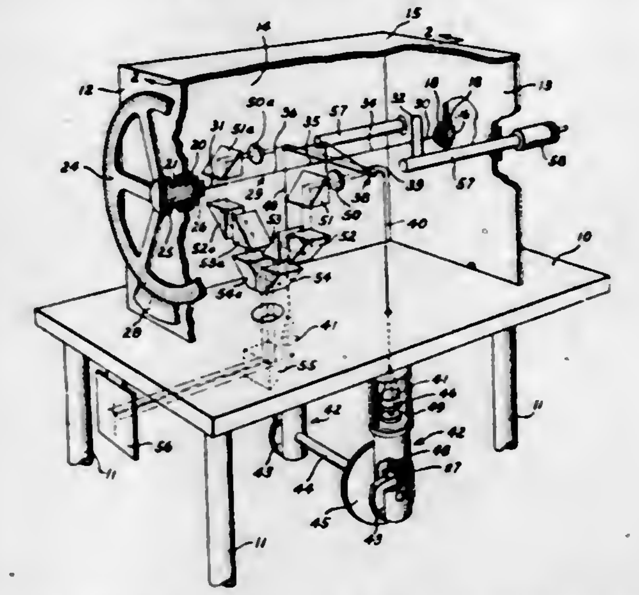


springs for positioning the same, and a depending portion extending through the seat of said bottom member into said pocket for engagement with said plank.

2,417,392

TORSION BALANCE

Roderick Craig and Robert Q. Boyer, Berkeley, Calif., assignors to the Government of the United States, as represented by the Director of the Office of Scientific Research and Development, Office of Emergency Management
Application May 8, 1944, Serial No. 534,629
12 Claims. (Cl. 88—24)



1. A device comprising a pivoted beam whose angular departure from a reference position is to be measured and having a yieldable, horizontally suspended pivot support that is subject to vertical displacement and also having portions projecting transversely on either side of the pivot support, means for projecting individual images of the respective portions of the beam into positions dependent upon the relation of the portions to the projecting means, and means for comparing the positions of the individual images relative to each other.

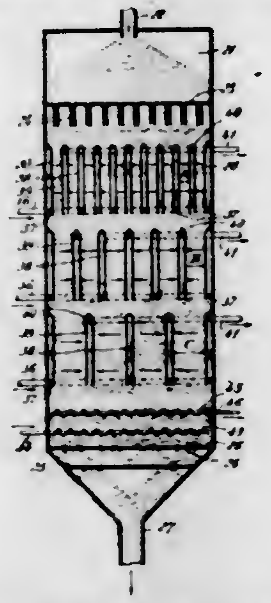
2,417,393

APPARATUS FOR HYDROCARBON REACTION

Louis P. Evans, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application November 4, 1942, Serial No. 464,547
4 Claims. (Cl. 23—288)

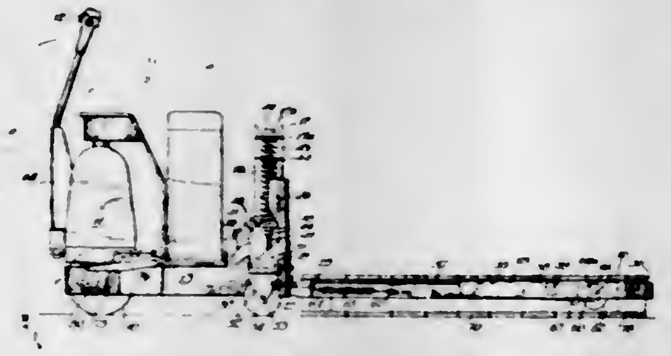
2. In an apparatus of the kind described, a shell adapted to enclose a reaction zone, means to feed particle-form solid to the upper end thereof, means to remove solid from the bottom end thereof, and within said shell at least two groups of gaseous reactant handling devices spaced serially along the vertical dimension of said shell with each group constituting a single reaction

stage within said zone; each group of reactant handling devices comprising a plurality of vertically placed partitions disposed in pairs to define between the members of each pair a gas space while providing adjacent each pair a channel for the downward flow of solid, means adjacent the upper ends of said partitions to exclude flow of solid particles into said gas spaces, inlet means for gaseous reactant communicating with the gas spaces within some of the pairs of partitions, outlet means for gaseous reactant communicating with the gas spaces within the remaining pairs of partitions, said partitions having foraminate areas therein to provide for flow of gaseous reactant therethrough; in which the width of the channels adapted to be filled with solid is greater in any group than in the group next above, the length of such channels being substantially equal in all groups.



2,417,394
LIFT TRUCK

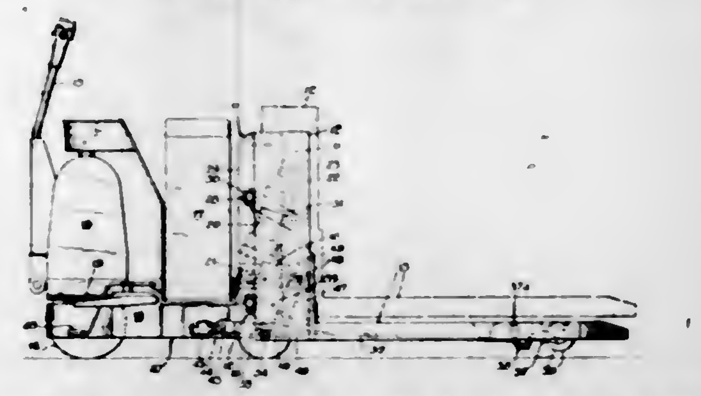
Herbert J. Framhein, Chicago, Ill., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut
Application December 17, 1942, Serial No. 469,324
24 Claims. (Cl. 254—2)



15. In a truck of the class described, a lifting head, an elevating platform, means mounting said elevating platform for lifting movement relatively to said lifting head, support wheels for said truck mounted on said lifting head and the front end of said elevating platform and on which said truck is adapted for movement when said elevating platform is in its lowered position, lifting wheels for said elevating platform, links mounting said lifting wheels for pivotal movement relatively to said elevating platform, springs pressing said wheels normally into a position spaced from the ground with the lowermost portions of the peripheries of said lifting wheels above the plane of corresponding portions of said support wheels when said elevating platform is in its lowered position and supported by said support wheels, lifting means on said lifting head, means whereby said lifting means lift the front end of said elevating platform relatively to said lifting head, cam means actuated during the lifting movement of the forward end of said elevating platform, and means of connection between said links and said cam means whereby said links are actuated by said cam means to move the lifting wheels to raise the rear end of said elevating platform as said forward end and its support wheels are lifted.

2,417,395
PALLET TRUCK

Herbert J. Framhein, Chicago, Ill., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut
Application July 7, 1943, Serial No. 493,701
42 Claims. (Cl. 254—2)

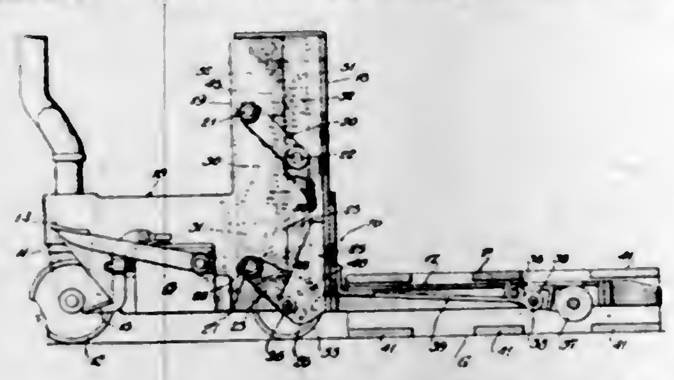


27. In a truck of the class described, a wheel supported lifting head, an elevating platform, links pivotally mounting the front end of said elevating platform for lifting movement relatively to said lifting head, lifting means for lifting the forward end of said elevating platform relatively to said lifting head, intermediate wheels mounted for rotation on said elevating platform and positioned against the ground when said elevating platform is in its lowered position relatively to said lifting head, spring means for pressing said elevating platform into said lowered position relatively to said lifting head, lifting wheels movably mounted under the rear of said elevating platform, means for moving said lifting wheels downwardly as lifting of said platform is effected by said lifting means whereby to lift also the rear of said truck, and means holding said lifting wheels upwardly away from the ground with the lowermost portions of the peripheries thereof above the plane of corresponding portions of said intermediate wheels when said elevating platform is in its fully lowered position and with said intermediate wheels on the ground.

2,417,396
PALLET TRUCK

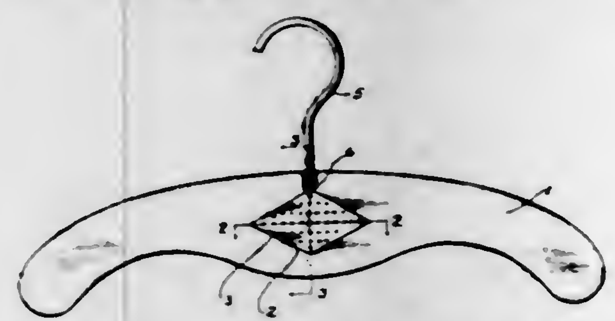
Herbert J. Framhein, Chicago, Ill., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut
Application September 25, 1943, Serial No. 503,745
10 Claims. (Cl. 254—2)

1. In a lift truck of the class described, a wheel supported lifting head, an elevating platform, connecting links pivotally connecting the forward end of said platform to said lifting head, lifting means for lifting the front end of said elevating platform relatively to said lifting head through swinging movement thereof on said links, intermediate wheels on said elevating platform contacting the ground for supporting said platform when it is in its lowered position relatively to said lifting head, lifting wheel links pivoted to the rear of said elevating platform, lifting wheels on the said lifting wheel links adapted to contact the ground to lift the rear end of said elevating platform as said lifting wheel links swing downwardly relatively to said platform, means of connection so connecting said lifting wheel links and said connecting links that said connecting links hold said lifting wheel links in position to maintain said lifting wheels off the ground and with the plane of the lowermost portions of their peripheries above the plane of corresponding portions of the peripheries of said intermediate wheels when said elevating platform is in its fully lowered position relatively to the ground and said lifting head, the swinging of said connecting links incidental to the lifting of said elevating platform by said lifting means acting through said means of connection to swing the lifting wheel links downwardly to lift the rear of said elevating platform.



2,417,397
HANGER

John A. McCarthy, Beverly Hills, Calif.
Application October 22, 1945, Serial No. 623,672
1 Claim. (Cl. 223—86)

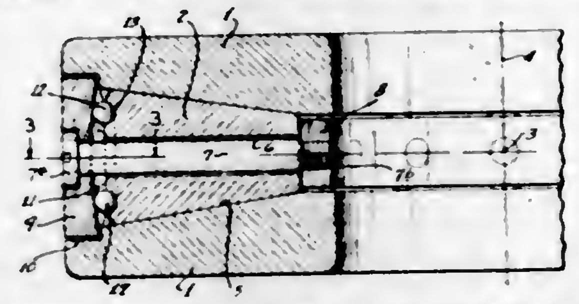


In a hanger, a body, a hanger hook threadably attached to said body, a cavity in said body for the reception of a container, a perforated container in said cavity, the end of said hook extending into said container to maintain said container in said cavity.

2,417,398
TAPERED ROLLER THRUST BEARING

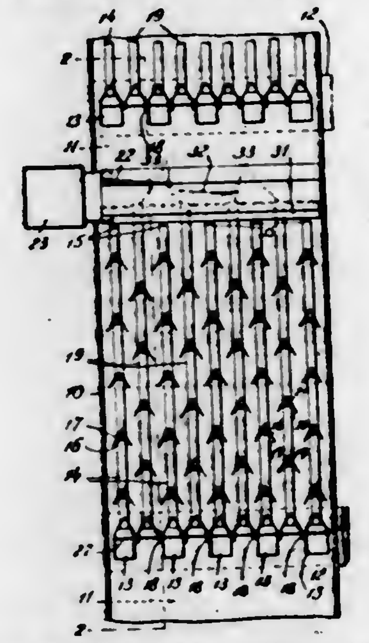
John W. Rundt, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application December 29, 1945, Serial No. 638,121
12 Claims. (Cl. 308—235)

1. A roller thrust bearing comprising coaxial annular raceway members, a circular series of antifriction rollers therebetween and having their axes of revolution converging to a common apex at the axis of rotation of the bearing, a ring encircling the outer ends of said circular series of rollers and having an inner peripheral surface of a spherical concave curvature whose center is at said common apex, and rotary antifriction elements interposed between and cooperating with the outer end of said antifriction rollers and the spherically concave inner peripheral surface of said ring.



2,417,399
APPARATUS FOR REACTIONS IN A CONTACT MASS

Thomas P. Simpson, John W. Payne, and Louis P. Evans, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application June 17, 1942, Serial No. 447,432
5 Claims. (Cl. 23—288)



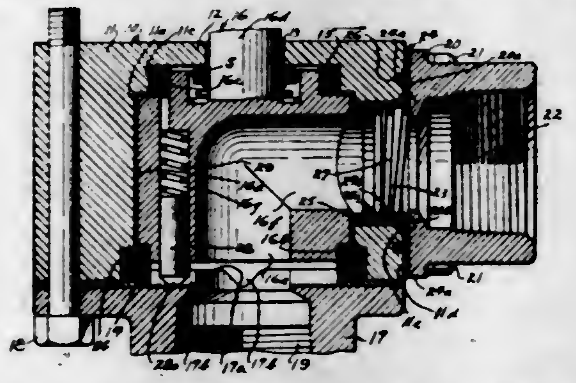
1. In a contacting apparatus, means defining a substantially vertical chamber, a plurality of inlet deflectors arranged in a plurality of vertical series in said chamber, a plurality of outlet deflectors arranged in a series parallel to and between each two series of inlet deflectors, each of said deflectors comprising means defining an inverted trough, a plurality of vertical inlet tubes passing through each deflector of each series of inlet deflectors, a plurality of vertical outlet tubes passing through each deflector of each series of outlet deflectors, each of said tubes being perforated to provide communication between the interior thereof and the space below each deflector through which it passes, duct means to admit fluid to each of said inlet tubes and duct means to withdraw fluid from each of said outlet tubes.

2,417,400
SEAL AND GASKET ASSEMBLY

Jacob Rush Snyder, Cleveland, and James Frederick Norton, Cleveland Heights, Ohio, assignors to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application January 22, 1945, Serial No. 573,958
7 Claims. (Cl. 251—113)

1. A seal assembly comprising a valve body having a flat face and a port having a beveled

mouth communicating with said face, a valve element shiftably mounted in said valve body, a rubber member having a tubular portion snugly seated in said port with an end face thereof contoured for fitting against said valve element and an outturned flange portion overlying said end face, a nipple member overlying said flange, means connecting said nipple member with said body member, said nipple member having a wall portion with an annular groove therein, said rubber member having a diaphragm area adjacent the junction of the tubular and flanged portions thereof, a coil spring bottomed on said wall portion, and a ring embedded in said tubular portion providing a shoulder in said tubular portion receiving said coil spring thereagainst whereby the end face of the tubular portion is urged into sealing engagement with said valve element, said beveled mouth of the port and said groove of the nipple providing opposed spaces for receiving the diaphragm area therein to accommodate swelling and shrinkage of the seal without changing the sealing contact between the end face of the tubular portion and the valve element.



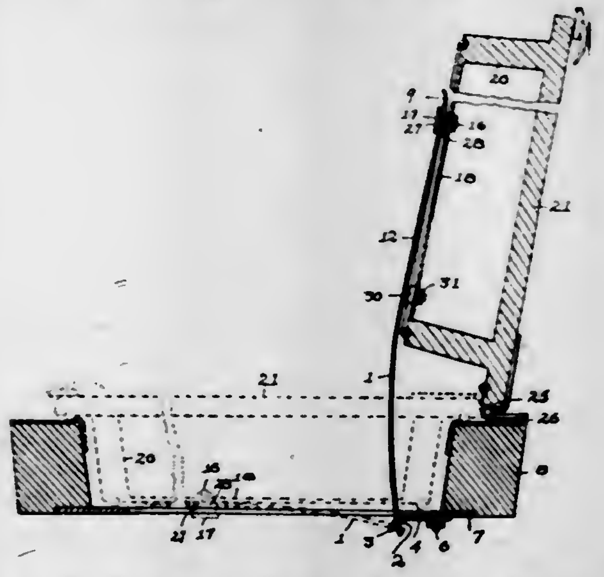
2,417,401

CONTAINER DOOR STOPPING AND SUPPORTING DEVICE

Henry Steinhorst, Utica, N. Y., assignor to Emil Steinhorst & Sons, Inc., Utica, N. Y., a corporation of New York

Application December 21, 1944, Serial No. 569,229

1 Claim. (Cl. 217—60)



The combination of a freezer, a hinged door therefor and a door stopping and supporting device in open position comprising a hinge member on said freezer, a flat strap-like spring member having an aperture in one end thereof for the projection therethrough of said hinge member, said spring member having formed therein a long narrow slot terminating in an annular aperture, a bolt having shoulder rings of different diameter formed thereon mounted on said door, one of said shoulders adapted to slide in said long narrow slot in said spring, when said door is moved from closed position to open position the other shoulder ring adapted to engage said spring at said annular aperture, and a bolt mounted on said door, and the head of said last named bolt lying between said door and said spring, engaging said spring, whereby to force said spring outwardly to lock said other shoulder ring in said annular aperture and to allow the spring to hold the door in open position.

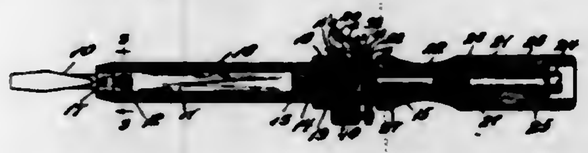
2,417,402

RATCHET TORQUE SCREW DRIVER

William Storrie, Rumford, R. I., assignor to Apco Mossberg Company, a corporation of Massachusetts

Application September 29, 1944, Serial No. 556,425

5 Claims. (Cl. 73—139)



5. In a tool, a body, a work engaging member at one end of the body and a handle member at the other end of the body, means to connect said members comprising resilient ribbon strips within said body fixed at one end to one member to rotate therewith, an element connected to and extending from said strips at the other end of said strips and double pawl and ratchet means connecting said element to the other member and to said body for transmitting a torsion force from the handle member to the work engaging member and retaining the torque reading while the handle is shifted to a new position, and means operatively connected to said strips at their opposite ends for indicating the amount of twisting of said strips.

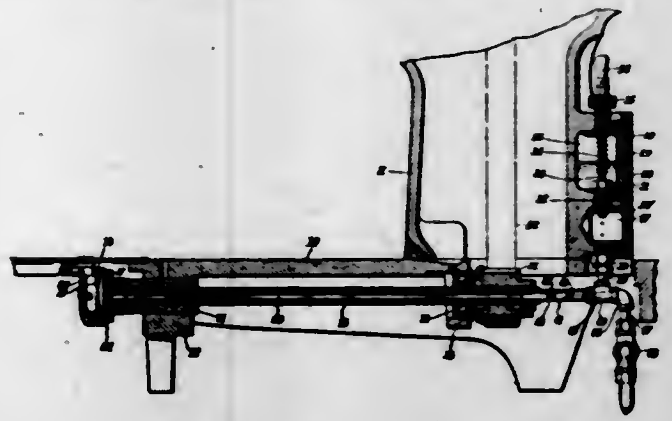
2,417,403

COOLING AND LUBRICATING MEANS FOR SEWING MACHINES

Sydney Zonis, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application September 6, 1944, Serial No. 552,826

6 Claims. (Cl. 112—256)



1. A sewing machine having, in combination, a rotary hook shaft formed with a longitudinal bore, a hook carried by said shaft and having a raceway, said hook being provided with a conduit connecting the bore in the shaft with the raceway, a thread-carrier journaled in said raceway, an air-supply line, and means for injecting a stream of air into the bore in said shaft for delivery through said conduit to said raceway.

2,417,404

RESINOUS COPOLYMER OF A DIACYLATE OF AN UNSATURATED ALDEHYDE

Louis M. Minsk and Cornelius C. Unruh, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application May 25, 1943, Serial No. 488,398

10 Claims. (Cl. 260—84)

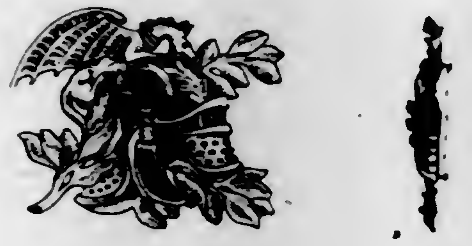
1. A process for preparing a resinous copolymer comprising heating, in the presence of a polymerization catalyst, a mixture of a compound selected from the group consisting of vinyl acetate, methyl acrylate, methyl α-methacrylate and styrene, with a diacylate of a monocarboxylic acid selected from the group consisting of benzoic acid, acetic acid, propionic acid and butyric acid and an unsaturated aldehyde selected from the group consisting of acrolein, α-methacrolein, α-ethacrolein, α-bromacrolein, crotonaldehyde, α-chlorocrotonaldehyde and cinnamic aldehyde, the diacylate constituting from 2.5 to 70 per cent by weight of the mixture, the balance of the polymerizable materials in the mixture being the compound selected from the group consisting of vinyl acetate, methyl acrylate, methyl α-methacrylate and styrene.

DESIGNS

MARCH 11, 1947

146,443
DESIGN FOR A BROOCH OR SIMILAR ARTICLE

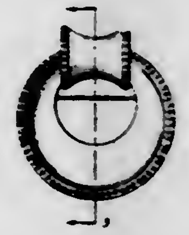
Bernard Darvie, New York, N. Y.
Application May 24, 1946, Serial No. 130,057
Term of patent 3½ years
(Cl. D45—19)

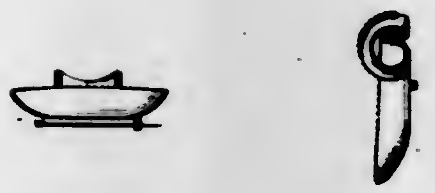


The ornamental design for a brooch or similar article, substantially as shown.

146,444
DESIGN FOR A COSTUME JEWELRY PIN OR SIMILAR ARTICLE

Frederick Gallo, Mineola, N. Y., assignor to Karl Strotkemper and Salvatore Riolo
Application May 18, 1946, Serial No. 129,827
Term of patent 14 years
(Cl. D45—19)

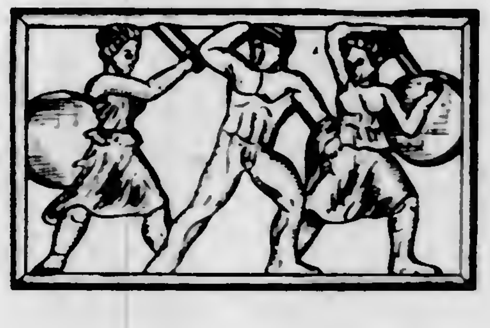


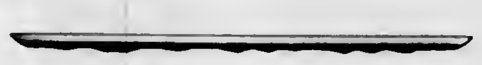


The ornamental design for a costume jewelry pin or similar article, as shown.

146,445
DESIGN FOR AN ORNAMENT FOR HANDBAGS OR THE LIKE

Frank X. Hiltenbrand, Weehawken, N. J., assignor to Harry Rosenfeld, Inc., New York, N. Y., a corporation of New York
Application September 26, 1946, Serial No. 133,590
Term of patent 7 years
(Cl. D87—2)

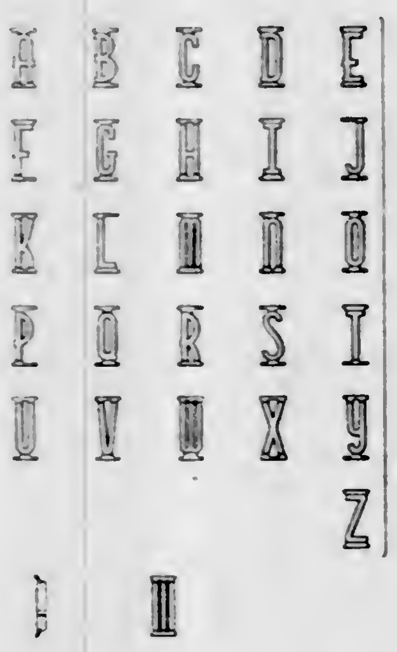




The ornamental design for an ornament for handbags or the like, substantially as shown.

146,446
DESIGN FOR AN ALPHABET FOR FORMING MONOGRAMS OR SIMILAR ARTICLE

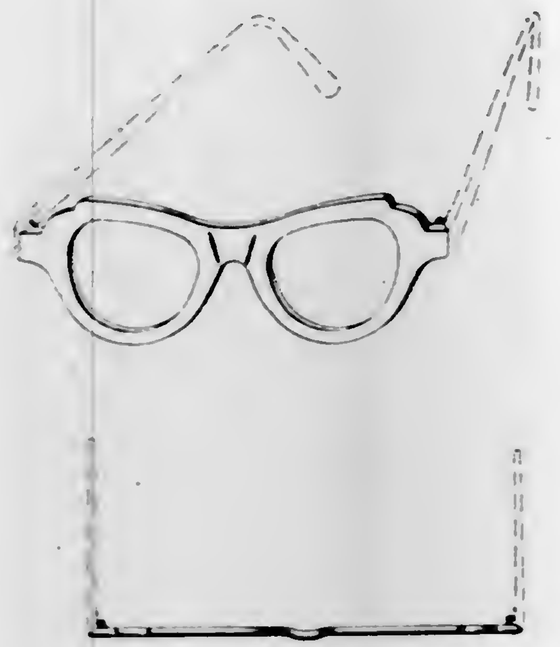
Viola T. Howard, Saylesville, R. I., assignor to Swank, Inc., a corporation of Delaware
Application March 20, 1946, Serial No. 127,691
Term of patent 14 years
(Cl. D64—12)



The ornamental design for an alphabet for forming monograms or similar article, substantially as shown.

146,447
DESIGN FOR AN EYEGLASS FRAME OR SIMILAR ARTICLE

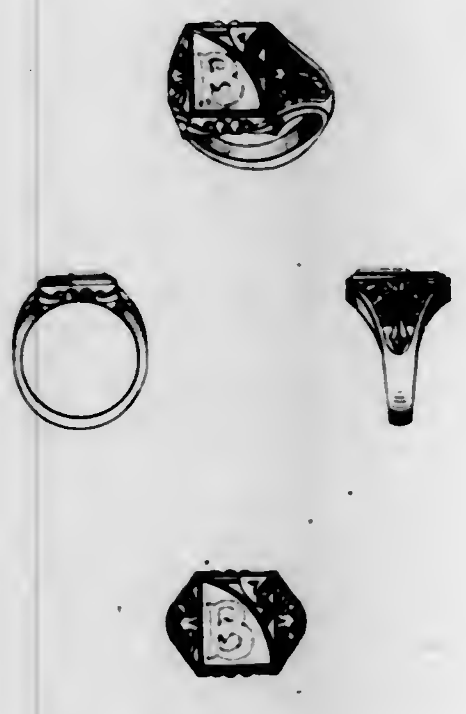
Stefan Kaesz, Brooklyn, N. Y.
Application October 23, 1946, Serial No. 134,188
Term of patent 14 years
(Cl. D57—1)



The ornamental design for an eyeglass frame or similar article, as shown and described.

146,448
DESIGN FOR A FINGER RING

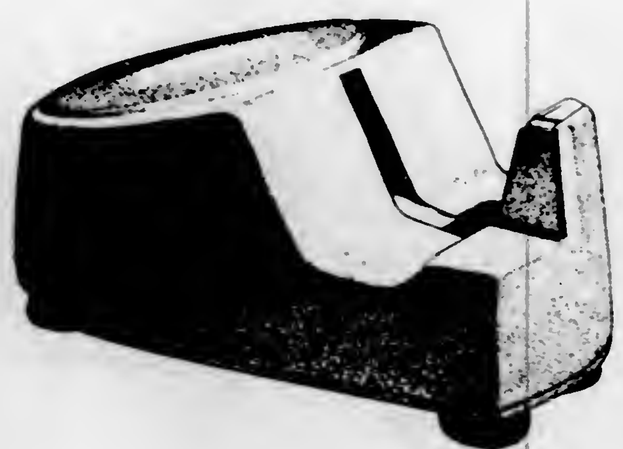
Felix P. Kinsley, St. Louis, Mo.
Application February 2, 1946, Serial No. 126,210
Term of patent 14 years
(Cl. D45—10)



The ornamental design for a finger ring, as shown.

146,449
DESIGN FOR AN ADHESIVE TAPE DISPENSER

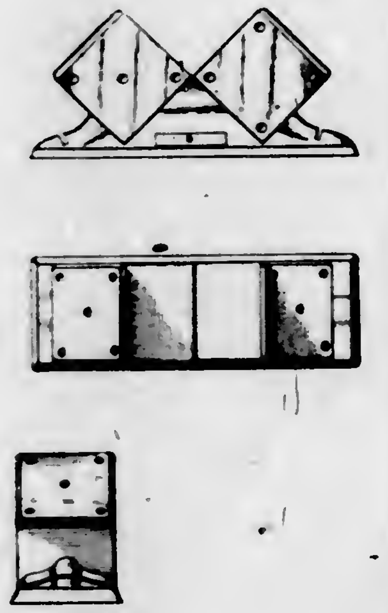
Raymond Loewy, New York, N. Y., assignor to Industrial Tape Corporation, a corporation of New Jersey
Application April 1, 1946, Serial No. 128,137
Term of patent 14 years
(Cl. D74—1)



The ornamental design for an adhesive tape dispenser, as shown and described.

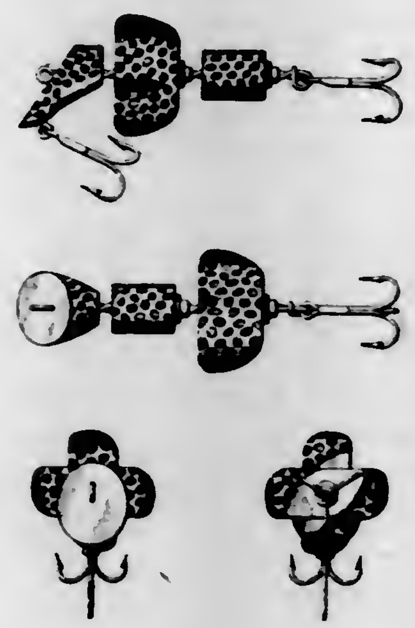
146,450
DESIGN FOR A COMBINED CIGARETTE CONTAINER AND ASH TRAY

Carl M. J. Ornot, Charleroi, Pa.
Application March 8, 1946, Serial No. 127,236
Term of patent 14 years
(Cl. D85—2)



The ornamental design for a combined cigarette container and ash tray, as shown.

146,451
DESIGN FOR A FISHING LURE
Oscar C. Schaefer, Racine, Wis.
Application January 7, 1946, Serial No. 125,340
Term of patent 7 years
(Cl. D31—4)

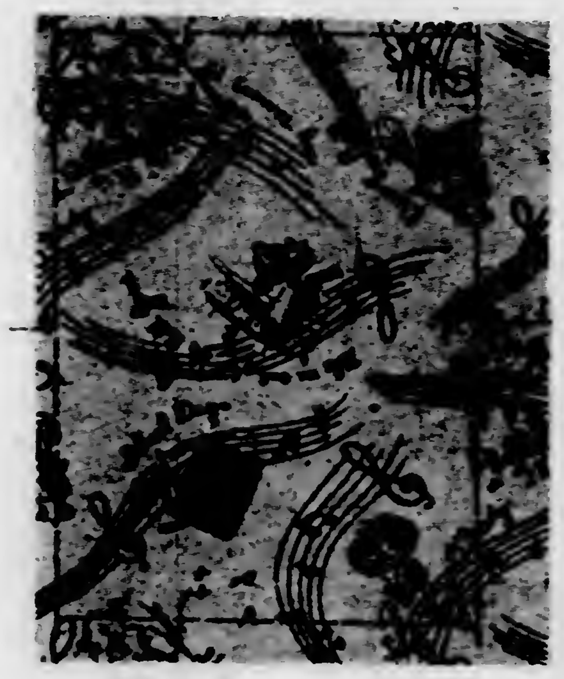


The ornamental design for a fishing lure, as shown.

146,452
DESIGN FOR A FABRIC OR THE LIKE
Bette C. Schott, New York, N. Y.
Application August 9, 1946, Serial No. 132,379
Term of patent 14 years
(Cl. D92—1)

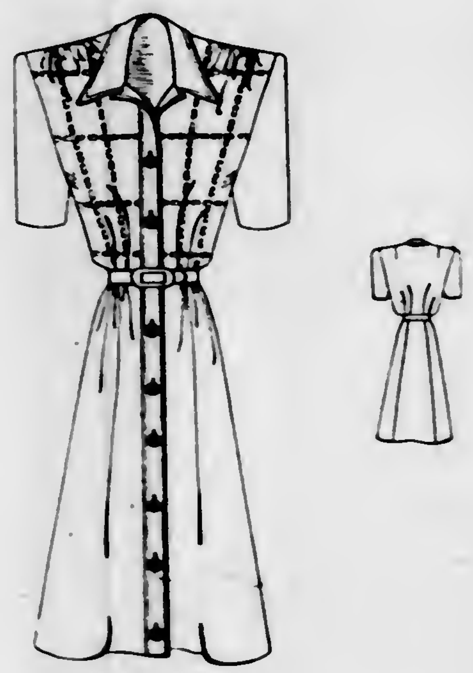
The ornamental design for a fabric or the like, substantially as shown and described.

146,453
DESIGN FOR A FABRIC OR THE LIKE
Bette C. Schott, New York, N. Y.
Application August 9, 1946, Serial No. 132,380
Term of patent 14 years
(Cl. D92—1)



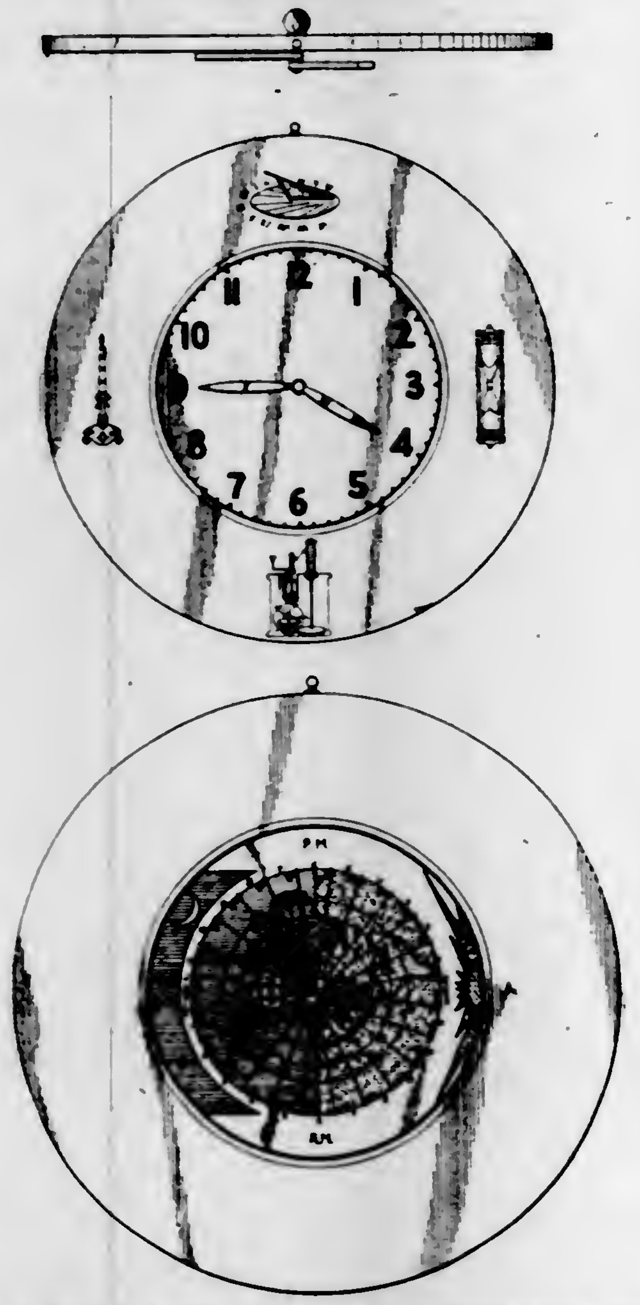
The ornamental design for a fabric or the like, substantially as shown and described.

146,454
DESIGN FOR A DRESS
Sidney Siegel, New York, N. Y.
Application November 4, 1946, Serial No. 134,509
Term of patent 7 years
(Cl. D3—26)



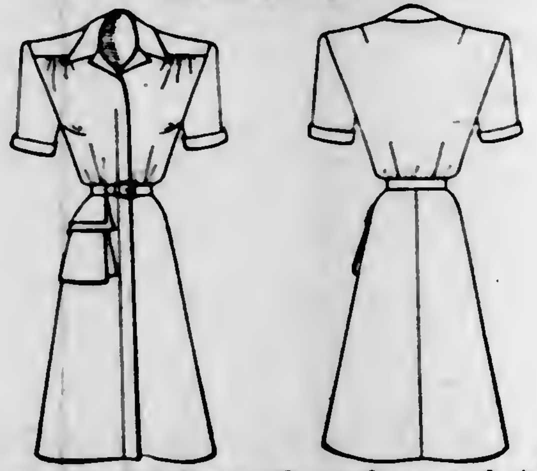
The ornamental design for a dress, substantially as shown.

146,455
DESIGN FOR A COMBINED CLOCK FACE AND MAP
Andre Tellier, New York, N. Y.
Application July 8, 1946, Serial No. 131,365
Term of patent 14 years
(Cl. D42—7)



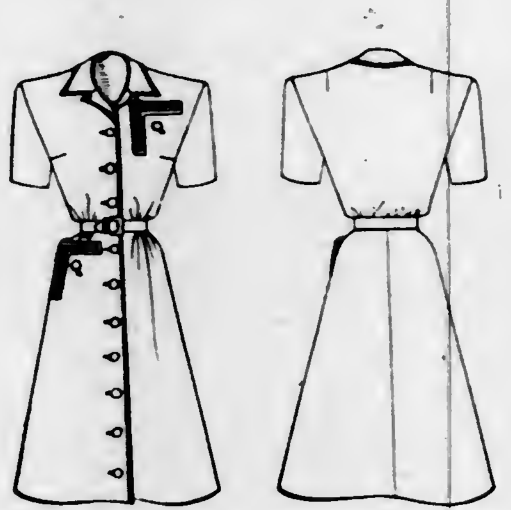
The ornamental design for a combined clock face and map, as shown.

146,456
DESIGN FOR A DRESS
Jane Walker, New York, N. Y.
Application November 20, 1946, Serial No. 134,916
Term of patent 3½ years
(Cl. D3—26)



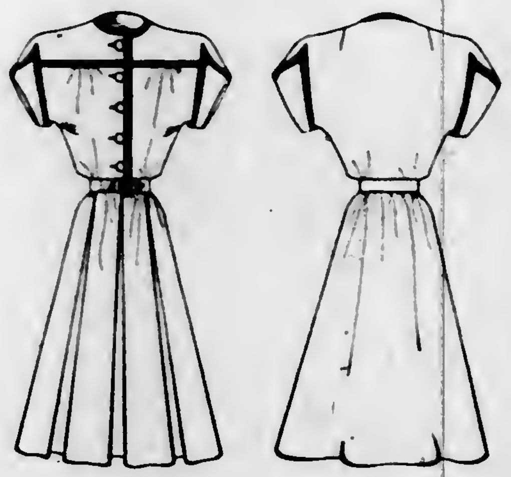
The ornamental design for a dress, substantially as shown and described.

146,457
DESIGN FOR A DRESS
Jane Walker, New York, N. Y.
Application November 20, 1946, Serial No. 134,922
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

146,458
DESIGN FOR A DRESS
Jane Walker, New York, N. Y.
Application November 20, 1946, Serial No. 134,928
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce
W. AVERELL HARRIMAN, *Secretary*

U. S. Patent Office
CASPER W. OOMS, *Commissioner*

PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

Contents

Page
Issue of March 18, 1947 285
Patents Expiring 285
Applications Under Examination 286

Decisions of the U. S. Courts

W. B. Roddenbery Co. v. Kalich 287
Patent Suits 288

Notices

Disclaimers 289
Adjudicated Patent 289
Notice of Cancellation 289
Public Law 690 290
Register of Patents Available for Licensing or Sale 290
Trade-Marks Published (150 Applications) 293
Trade-Mark Registrations Granted 314
Trade-Mark Registrations Renewed 325
Reissues 329
Patents Granted 330
Designs 429

March 18, 1947

Trade-Marks	122—No.	428,247	to No. 428,368,	inclusive
T. M. Renewals	78			
Reissues	2—No.	22,853	to No. 22,854,	inclusive
Patents	398—No.	2,417,405	to No. 2,417,802,	inclusive
Designs	35—No.	146,459	to No. 146,493,	inclusive
Total	635			

Patents expiring: Patent Numbers 1,750,617 to 1,751,460, inclusive, issued March 18, 1930, expire March 18, 1947

Condition of Applications Under Examination at Close of Business February 28, 1947

(Total number of applications awaiting action, excluding Trade-Mark Division, 141,848; Trade-Mark Division, 12,645. Oldest new case, June 27, 1945; oldest amended, June 11, 1945.)
(The dates given are 1945 except where * indicates 1946.)

DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS	Oldest new application and oldest action by applicant awaiting office action		No. of applications awaiting action
	New	Amended	
1. GOLDBERG, A. J., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	Aug. 9	Oct. 19	2812
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	Oct. 10	Oct. 4	3334
3. SCHIMMEL, J., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	Sept. 8	Oct. 5	2025
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Package and Article Carriers; Pneumatic Dispatch; Store Service; Mining, Quarrying, and Ice Harvesting.	Nov. 13	Aug. 24	2754
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	June 29	July 2	4291
6. GENIESSE, E. W. Carbon Chemistry (part)	*Jan. 9	*Feb. 2	1854
7. HANLIN, GEORGE, Optics, Photography	*Mar. 12	*Jan. 29	1909
8. IMUS, A. E., Furniture; Kitchen and Table Articles; Racks and Cabinets	Sept. 18	Sept. 21	3713
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	Sept. 4	Aug. 29	2251
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Modulators.	Nov. 19	Nov. 20	1461
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	*June 7	*June 1	790
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	Oct. 2	Nov. 8	2713
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	June 29	Aug. 2	2244
14. FREEHOF, H. B., Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	Nov. 21	Dec. 14	1508
15. HENKIN, B., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Heterocyclic Compounds (part); Plastics.	*Jan. 19	*Jan. 2	1258
16. LOVEWELL, N. N., Telegraphy; Telephony	*Jan. 25	*Jan. 30	1258
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Dec. 5	Nov. 10	1242
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	July 31	July 25	1931
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Dec. 10	Dec. 22	1761
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	Sept. 15	Aug. 28	2145
21. THOMPSON, T. J., Textiles	*Mar. 18	May 31	895
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Nov. 2	Nov. 15	1948
23. LEWIS, J. B., Cash Registers; Calculators (part)	Dec. 1	Oct. 1	239
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	*July 1	*July 9	1498
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Sept. 13	Oct. 15	1650
26. YOUNG, R. R., Electricity—Generation and Motive Power	Oct. 31	Oct. 23	2087
27. JAMES, S., Brush, Broom, and Mop Making; Brushing, Scrubbing, Cleaning; Liquid Contact with Solids.	Nov. 21	Nov. 23	2306
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons.	Aug. 31	July 20	1606
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools	Sept. 28	Nov. 1	2459
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	Nov. 15	Nov. 16	2421
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	*Aug. 27	*Aug. 29	734
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Nov. 20	Nov. 13	2343
33. KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	Oct. 10	Oct. 10	3427
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators	Nov. 13	Dec. 6	1326
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Nov. 2	Dec. 8	2258
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	Aug. 10	Aug. 17	1865
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Nov. 14	*Jan. 10	1503
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part); Rubber (part); Ornamentation	*Jan. 15	Dec. 20	1398
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	Aug. 17	Aug. 7	2561
40. DRUMMOND, E. J., Receptacles (part); Packages	Nov. 8	Dec. 15	2855
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Nov. 8	Nov. 1	886
42. MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters	*Mar. 26	*Apr. 4	1002
43. STONE, I. G., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	Dec. 13	Nov. 5	1083
44. HARVEY, L. P., Refrigeration; Preserving	July 12	Aug. 14	1368
45. LISANN, I., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Spring, Weight and Horsepower Motors.	Oct. 3	Sept. 20	2473
46. MUSHAKE, W. I., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Dec. 13	*Jan. 3	1655
47. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	Dec. 20	*Jan. 7	2829
48. BERNSTEIN, S., Electricity, General Applications; Electric Igniters	Aug. 23	Aug. 25	2026
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Nov. 14	Oct. 29	1561
50. LEVIN, SAMUEL, Synthetic Resins	*Jan. 23	*Jan. 23	2446
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae).	Oct. 11	Oct. 11	2214
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	Nov. 30	Nov. 16	3287
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	June 27	June 11	4081
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	Oct. 24	Oct. 26	2149
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	Sept. 14	Oct. 26	1883
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	Dec. 11	Dec. 8	1459
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Aug. 6	Sept. 27	3029
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	*Feb. 8	*Feb. 19	1405
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part)	Sept. 11	Sept. 13	2120
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	Sept. 25	Dec. 11	1921
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys and Ships.	Oct. 3	Oct. 17	2630
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	July 20	July 27	4008
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	Nov. 20	Oct. 12	2015
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	*Aug. 2	*Aug. 6	1072
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	Sept. 12	Sept. 20	2295
TRADE-MARKS: MERCHANT, J. H.	*Mar. 23	*Oct. 1	12645
DESIGNS: BREHM, G. L., Acting	*Jan. 17	*Oct. 11	8324

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Academy Award Products, Inc., New York, N. Y. Cleansing creams, foundation creams, liquid all purpose creams, etc. Serial No. 500,342; Mar. 18. Class 6.

Adam Hat Stores Inc., assignee: *See—*
  Dempsey, Jack.

Affiliated Products, Inc., New York, N. Y. Lipstick and rouge. Serial No. 505,171; Mar. 18. Class 6.

Amberg File and Index Company, Kankakee, Ill. Transfer cases of cabinet form. Serial No. 490,618; Mar. 18. Class 32.

American Blouse Co. Inc., New York, N. Y. Blouses. Serial No. 508,568; Mar. 18. Class 39.

American Company: *See—*
  Webster, William A., Co., The.

American Pictorial Service, Inc., Newark, N. J. Photographic prints. Serial No. 497,766; Mar. 18. Class 38.

American Tar Company, Seattle and Spokane, Wash. Copper oleate, specification creosote, commercial creosote oil, etc. Serial No. 468,215; Mar. 18. Class 6.

Aqualon Studios: *See—*
  Blumenthal, Julius.

Ariston, Incorporated, New York, N. Y. Natural and cultivated foliage and plants. Serial No. 502,115; Mar. 18. Class 1.

Bamboo Company, The, Atlanta, Ga. Carbonated nonalcoholic maltless soft drink and concentrate. Serial No. 504,876; Mar. 18. Class 45.

Bates Shoe Company, Webster, Mass. Shoes. Serial No. 504,148; Mar. 18. Class 39.

Bee Chemical Company, Chicago, Ill. Cutting lubricants. Serial No. 491,384; Mar. 18. Class 15.

Bio-Medical Instrument Co.: *See—*
  Frohring, William O.

Blocher, Clark V., San Luis Obispo, Calif. Bun encased frankfurter. Serial No. 498,387; Mar. 18. Class 46.

Blumenthal, Julius, doing business as Aqualon Studios, New York, N. Y. Phonograph recording blanks. Serial No. 490,995; Mar. 18. Class 36.

Bootone Polish Company, Inc., Lindenhurst, N. Y. Shoe polish. Serial No. 503,049; Mar. 18. Class 4.

Botany Worsted Mills, Passaic, N. J. Lipsticks. Serial No. 506,505; Mar. 18. Class 6.

Brian Fabrics Corp., New York, N. Y. Ladies' handkerchiefs, scarves, and fascinators. Serial No. 482,271; Mar. 18. Class 39.

Bristol-Myers Company, New York, N. Y. Shampoo. Serial No. 504,250; Mar. 18. Class 6.

Brown, Howard L., doing business as "Religious Productions," Hollywood, Calif. Grooved phonograph records. Serial No. 501,818; Mar. 18. Class 36.

Burke & James, Inc., Chicago, Ill. Photographic supplies. Serial No. 504,739; Mar. 18. Class 26.

Cape Ann Manufacturing Co., Gloucester, Mass. Boys' and men's woolen, cotton, and leather coats. Serial No. 508,887; Mar. 18. Class 39.

Carbon Dispersions Inc., Newark, N. J. Carbon black dispersion. Serial No. 500,855; Mar. 18. Class 6.

Century Lighting, Inc., New York, N. Y. Electric lighting fixtures. Serial No. 504,326; Mar. 18. Class 21.

Chandler Chemical Corp., New York, N. Y. Insect repellent in liquid form. Serial No. 502,737; Mar. 18. Class 6.

Chipzels, Inc., Lansdale, Pa. Potato chips. Serial No. 505,802; Mar. 18. Class 46.

Cochran, Jacqueline, New York, N. Y. Face powder. Serial No. 488,952; Mar. 18. Class 6.

Coddington, Earl L., doing business as Coddington Machine Co., Middletown, Ohio. Power operated machine for mowing grass and weeds. Serial No. 503,799; Mar. 18. Class 23.

Coddington Machine Co.: *See—*
  Coddington, Earl L.

Cohen, Abraham, doing business as Craftex Underwear Co., New York, N. Y. Ladies', misses', and children's pajamas, slips, and nightgowns. Serial No. 507,803; Mar. 18. Class 39.

Colonial Tanning Company, Inc., Boston, Mass. Apparel belts and shoes. Serial No. 506,156; Mar. 18. Class 39.

Columbia Industries, Long Island City, N. Y. Phonograph record cabinets. Serial No. 504,747; Mar. 18. Class 32.

Columbia Tool Steel Company, Chicago Heights, Ill. Tool steel. Serial No. 502,621; Mar. 18. Class 14.

Concord Chenille Co., New York, N. Y. Textile fabrics. Serial No. 488,740; Mar. 18. Class 42.

Coronet, Inc., Detroit, Mich. Shoe dressing, boot cream, and shoe polish. Serial No. 491,550; Mar. 18. Class 4.

Coty, Inc., New York, N. Y. Face powder, dusting powder, toilet water, perfume, etc. Serial No. 505,559; Mar. 18. Class 6.

County Perfumery Company, Inc., The, Bloomfield, N. J. After-shave lotion. Serial No. 505,394; Mar. 18. Class 6.

Craftex Underwear Co.: *See—*
  Cohen, Abraham.

Dan River Mills, Incorporated: *See—*
  Riverside & Dan River Cotton Mills, Inc.

Daumit, Kay, Inc., Chicago, Ill. Liquid deodorant. Serial No. 504,340; Mar. 18. Class 6.

Dean, Harry W., New York, N. Y. Raincoats, rain capes, and hoods. Serial No. 508,105; Mar. 18. Class 39.

Delavau, J. W. S., Co., Philadelphia, Pa. Preparations for the treatment of coughs due to colds. Serial No. 504,662; Mar. 18. Class 6.

Dempsey, Jack, assignor to Adam Hat Stores Inc., New York, N. Y. Men's hats. Serial No. 502,502; Mar. 18. Class 39.

Dermetics, Inc., New York, N. Y. Perfume, cologne, and toilet water. Serial No. 497,706; Mar. 18. Class 6.

D'Onofrio, Rock E., doing business as Natu Products Co., Syracuse, N. Y. Cosmetics. Serial No. 505,343; Mar. 18. Class 6.

Dragon, Paul, Stockton, Calif. Nut shelling machines. Serial No. 504,098; Mar. 18. Class 23.

Duffy-Mott Company, Inc., New York, N. Y. Cider vinegar, white vinegar, jellies, and marmalades. Serial No. 509,080; Mar. 18. Class 46.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Dry cleaning fluids. 502,691; Mar. 18. Class 4.

Eagle Lock Company, The, Terryville, Conn., and Chicago, Ill. Cabinet locks. Serial No. 485,632; Mar. 18. Class 25.

Edison Brothers Stores, Inc., St. Louis, Mo. Ladies' shoes. Serial No. 498,510; Mar. 18. Class 39.

Electrical Industries, Inc., Newark, N. J. Electrically heated food warmers and cookers, electrically heated bottle warmers, etc. Serial No. 501,653; Mar. 18. Class 21.

Firan Co., The, Santa Monica, Calif. Electric space heaters. Serial No. 507,524; Mar. 18. Class 21.

Fite, Robert H., Miami, Fla. Preparation for the treatment of athlete's foot. Serial No. 512,142; Mar. 18. Class 6.

Flaster, Alfred A., New York, N. Y. Perfume, toilet water, eau de cologne, and nail polish. Serial No. 501,059; Mar. 18. Class 6.

Frank, A. A., Laboratories: *See—*
  Frank, Adolf A.

Frank, Adolf A., doing business as A. A. Frank Laboratories, New York, N. Y. Concentrated mouthwash. Serial No. 504,540; Mar. 18. Class 6.

Frohring, William O., doing business as Bio-Medical Instrument Co., Chagrin Falls, Ohio. Instruments for quantitatively determining the sensitivity of any portion of the human body. Serial No. 503,893; Mar. 18. Class 26.

Frye's Cigar Company, Brockton, Mass. Razor blades. Serial No. 503,982; Mar. 18. Class 23.

Furane Plastics and Chemicals Company, Los Angeles, Calif. Art pottery, statues, and statuettes. Serial No. 495,543; Mar. 18. Class 50.

Gaybrand Bags Inc., New York, N. Y. Ladies' handbags. Serial No. 509,702; Mar. 18. Class 3.

Geigy Company, Inc., New York, N. Y. Mothproofing agents, preparations for killing weeds and destroying vermin, etc. Serial No. 504,971; Mar. 18. Class 6.

General Products Co., Brooklyn, N. Y. Liquid laundry starch. Serial No. 500,299; Mar. 18. Class 6.

Globe Parlor Furniture Company, High Point, N. C. Upholstered sofas and chairs, dining room tables, buffets and cabinets, etc. Serial No. 493,266; Mar. 18. Class 32.

Gotham Instrument Company, New York, N. Y. Thermometer. Serial No. 497,307; Mar. 18. Class 26.

Greil Drug and Chemical Company: *See—*
  Greil, Terry T.

Greil, Terry T., assignor to Greil Drug and Chemical Company, Pittsburgh, Pa. Solution for treatment of athlete's foot. Serial No. 505,410; Mar. 18. Class 6.

Guss, David, & Company, Philadelphia, Pa. Watch straps. Serial No. 505,494; Mar. 18. Class 40.

Haak, Blaine J., doing business as Rainbow Manufacturing Company, Kansas City, Mo. Ointment. Serial No. 494,840; Mar. 18. Class 6.

Haloid Company, The, Rochester, N. Y. Light sensitive paper, cameras, and camera equipment. Serial No. 502,637; Mar. 18. Class 26.

Harvey, Eileen F., New Milford, Conn. Perfumes, toilet waters, eaux de colognes, etc., Serial No. 482,989; Mar. 18. Class 6.

Hester, George C., Glendale, Calif. Perfumes. Serial No. 505,497; Mar. 18. Class 6.

Higgins, Inc., New Orleans, La. Lumber. Serial No. 505,200; Mar. 18. Class 12.

Hirsch, Clement L., doing business as Packers Canning Company, assignor to Victory Packing Co., Los Angeles, Calif. Canned horse meat and gravy. Serial No. 503,571; Mar. 18. Class 46.

Homasote Company, Inc., Fernwood, Township of Ewing, N. J. Panels of composition fibrous material. Serial No. 508,601; Mar. 18. Class 12.

International Brotherhood of Electrical Workers, Washington, D. C. Electrical equipment. Serial No. 491,324; Mar. 18. Class 21.

International Brotherhood of Electrical Works, Washington, D. C. Metal parts for fluorescent lighting fixtures. Serial No. 491,326; Mar. 18. Class 21.

International Brotherhood of Electrical Workers, Washington, D. C. Letterheads, correspondence envelopes, and blank forms. Serial No. 491,328; Mar. 18. Class 37.

International Brotherhood of Electrical Workers, Washington, D. C. Electrical equipment and supplies. Serial No. 491,331; Mar. 18. Class 21.

Koch Chemical Co.: *See*—
Koch Products Company.

Koch Products Company, doing business as Koch Chemical Co., Winona, Minn. Fire extinguishers. Serial No. 504,183; Mar. 18. Class 23.

L. and L. Company, Minneapolis, Minn. Geometric instrument. Serial No. 500,012; Mar. 18. Class 26.

La Camera, Jean, Vincennes, France. Liniment. Serial No. 487,473; Mar. 18. Class 6.

La Camera, Jean, Vincennes, France. Medicinal preparation. Serial No. 487,475; Mar. 18. Class 6.

Lenel Company: *See*—
Rothchild, Lionel G.

Lewis, Rosemarie, doing business as Vogarell Products Co., Los Angeles, Calif. Enema powder. Serial No. 501,993; Mar. 18. Class 6.

Lincoln Electric Company, The, Cleveland, Ohio. Electric welding machines, welding heads, motors, etc. Serial No. 485,689; Mar. 18. Class 21.

London, J., & Co., Philadelphia, Pa. Window curtains, draperies, and bedspreads. Serial No. 496,034; Mar. 18. Class 42.

Loomerica, Incorporated, New York, N. Y. Handkerchiefs. Serial No. 502,586; Mar. 18. Class 39.

Lucky Heart Laboratories, Inc., Memphis, Tenn. Insecticide. Serial No. 501,135; Mar. 18. Class 6.

Marathon Raincoat Mfg. Co., New York, N. Y. Raincoats. Serial No. 504,193; Mar. 18. Class 39.

McGill, Homer T., Houston, Tex. Putty. Serial No. 509,021; Mar. 18. Class 12.

Medallion Wine Corp., New York, N. Y. Wines. Serial No. 500,680; Mar. 18. Class 47.

Merced Tomato Growers Co-Operative Association, Merced, Calif. Fresh vegetables. Serial No. 486,157; Mar. 18. Class 46.

Metro Case Company, Newark, N. J. Radiator cabinets and enclosures, kitchen cabinets, wall units, etc. Serial No. 494,227; Mar. 18. Class 32.

Micromatic Hone Corporation, Detroit, Mich. Honing stones. Serial No. 468,620; Mar. 18. Class 4.

Moskowitz, Belle, doing business as Belle Moss., Detroit, Mich. Ointment used in the treatment and prevention of diaper rash, chafing and heat, etc. Serial No. 503,309; Mar. 18. Class 6.

Moss, Belle: *See*—
Moskowitz, Belle.

N. V. Cigarettes Import Company (Sigaretten Import Maatschappij), The Hague, Netherlands. Cigarettes. Serial No. 504,628; Mar. 18. Class 17.

National Music Publishing Corp., New York, N. Y. Sheet music. Serial No. 503,313; Mar. 18. Class 38.

Natu Products Co.: *See*—
D'Onofrio, Rock E.

New Haven Clock Company, The, assignor to New Haven Clock and Watch Company, New Haven, Conn. Clocks, watches, and parts thereof. Serial No. 501,268; Mar. 18. Class 27.

New Haven Clock and Watch Company: *See*—
New Haven Clock Company.

Northrop Aircraft, Inc., Hawthorne, Calif. Airplanes and parts thereof. Serial No. 491,877; Mar. 18. Class 19.

Nylosh Corporation, Boston, Mass. Washing compound for nylon articles. Serial No. 502,661; Mar. 18. Class 4.

Oakes & Company, assignor to Oakes & Company, Chicago, Ill. Axminster and Wilton broadloom and border rugs, wool broadloom rugs, etc. Serial No. 498,923; Mar. 18. Class 42.

O'Donnell Importing Company: *See*—
O'Donnell, William B.

O'Donnell, William B., doing business as O'Donnell Importing Company, Detroit, Mich. Wines. Serial No. 505,441; Mar. 18. Class 47.

O'Hanlon, Wm., & Co., Limited, Manchester, England. Cotton piece goods. Serial No. 504,284; Mar. 18. Class 42.

Oiltrol Company, Denver, Colo. Automatic pressure-actuated electric switch. Serial No. 502,400; Mar. 18. Class 21.

Packers Canning Company: *See*—
Hirsch, Clement L.

Palmer, Kathryn, Inc., New York, N. Y. Perfumes, cologne, and body powders. Serial No. 505,066; Mar. 18. Class 6.

Parfum L'Orle, Inc., New York, N. Y. Perfumes and toilet waters. Serial No. 501,672; Mar. 18. Class 6.

Pharma-Craft Corporation, The, New York, N. Y. Hair tonic. Serial No. 505,442; Mar. 18. Class 6.

Pierce's Proprietaries, Inc., Buffalo, N. Y. Preparations indicated as a tonic. Serial No. 505,004; Mar. 18. Class 6.

Pierce's Proprietaries, Inc., Buffalo, N. Y. Preparations having diuretic laxative tonic and sedative properties. Serial No. 505,005; Mar. 18. Class 6.

Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Clothes washing and ironing machines. Serial No. 504,694; Mar. 18. Class 24.

Poix, G. M., Inc., New York, N. Y. Strapless brassières and bandeaux. Serial No. 505,983; Mar. 18. Class 39.

Pottruff, Morgan, doing business as Morgan Pottruff Company, Brantford, Ontario, Canada. Greeting cards. Serial No. 498,712; Mar. 18. Class 38.

Pottruff, Morgan Company: *See*—
Pottruff, Morgan.

Premo Pharmaceutical Laboratories, Inc., New York, N. Y. Preparation for the relief of hyperacidity of the stomach. Serial No. 503,934; Mar. 18. Class 6.

Procter & Gamble Company, The, Cincinnati, Ohio. Bar soap. Serial No. 501,006; Mar. 18. Class 4.

Providence Journal Company, Providence, R. I. Newspaper. Serial Nos. 504,291–2; Mar. 18. Class 38.

Rainbow Manufacturing Company: *See*—
Haak, Blaine J.

Reed & Carnrick, Jersey City, N. J. Tablets used in the treatment of iron deficiency anemia. Serial No. 505,316; Mar. 18. Class 6.

"Religions Productions": *See*—
Brown, Howard L.

Richbar Hats, Inc., The, New York, N. Y. Misses' and junior misses' hats. Serial No. 501,599; Mar. 18. Class 39.

Riverside & Dan River Cotton Mills, Inc., Danville, Va., now by change of name to Dan River Mills, Incorporated. Oxford shirting fabrics. Serial No. 504,296; Mar. 18. Class 42.

Robins, G. S., & Company, St. Louis, Mo. Covers for steam presses. Serial No. 493,145; Mar. 18. Class 24.

Roesch and Rhodes, Clarence Center, N. Y. Live and dressed poultry. Serial No. 505,009; Mar. 18. Class 46.

Rosens, Edmond, Paris, France. Perfumes, toilet waters, rouge, etc. Serial No. 505,013; Mar. 18. Class 6.

Ross, Sydney, Co., The, Newark, N. J. Vermifuges. Serial No. 505,082; Mar. 18. Class 6.

Roth, Chester H., Co., Inc., New York, N. Y. Hosiery. Serial No. 506,551; Mar. 18. Class 39.

Rothchild, Lionel G., doing business as Lenel Company, Dallas, Tex. Cologne, talcum powder, hair dressing, etc. Serial No. 502,079; Mar. 18. Class 6.

Scherb Novelty Co., Huntington Park, Calif. Hair ornaments of non-precious metal or metals or non-precious stones or plastics. Serial No. 500,905; Mar. 18. Class 40.

Schnier, I. F., doing business as I. F. Schnier Company, San Francisco, Calif. Orange juice, canned sardines, coffee, etc. Serial No. 483,743; Mar. 18. Class 46.

Schnier, I. F., Company: *See*—
Schnier, I. F.

Scientific Development Corp., New York, N. Y. Photographic appliances. Serial No. 505,318; Mar. 18. Class 26.

Seinsheimer, H. A., Company, The, Cincinnati, Ohio. Men's suits, topcoats, and ensembles. Serial No. 502,338; Mar. 18. Class 39.

Seneca Printing Company, Chicago, Ill. Daily publication. Serial No. 503,947; Mar. 18. Class 38.

Sharma, J. N., Los Angeles, Calif. Chemically prepared ice. Serial No. 500,706; Mar. 18. Class 1.

Sheldon, E. H., & Company, Muskegon, Mich. Hard pressed fibrous composition sheets. Serial No. 508,745; Mar. 18. Class 12.

Simtex Mills, Division of Simmons Company, New York, N. Y. Men's shirts. Serial No. 507,857; Mar. 18. Class 39.

Snowdon, Inc., Osceola, Iowa. Underwear for women. Serial No. 508,750; Mar. 18. Class 39.

Societe d'Etudes et d'Expansion de la Parfumerie de Luxe, Paris and Asnieres, near Paris, France. Perfumes. Serial No. 497,980; Mar. 18. Class 6.

Sparger, G. W., doing business as Puny Sparger, Ardmore, Okla. Salad dressing. Serial No. 483,797; Mar. 18. Class 46.

Sparger, Puny: *See*—
Sparger, G. W.

Spinnerin Yarn Co., Inc., New York, N. Y. Yarn. Serial No. 508,674; Mar. 18. Class 43.

Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif. Parasiticides. Serial No. 505,717; Mar. 18. Class 6.

Star Suspender & Belt Corp., New York, N. Y. Handkerchiefs. Serial No. 503,679; Mar. 18. Class 39.

Stedfast Rubber Co., Inc., Mattapan, Mass. Artificial leather. Serial No. 502,163; Mar. 18. Class 50.

Steinberg, Alexander, New York, N. Y. Electrical heating apparatus. Serial No. 500,710; Mar. 18. Class 21.

Thonet Brothers, Inc., New York, N. Y. Barbers' armchairs, bedroom suites, bedsteads, etc. Serial No. 478,018; Mar. 18. Class 32.

Touma, A., Manufacturing Company: *See*—
Touma, Assied.

Touma, Assied, doing business as A. Touma Manufacturing Company, Plantsville, Conn. Medicinal preparation. Serial No. 505,471; Mar. 18. Class 6.

Travelaire Corporation, Chicago, Ill. Portable ice boxes. Serial No. 514,230; Mar. 18. Class 31.

Trub & Co., Uster, Zurich, Switzerland. Fibre-blended yarn of wool and cotton, raw or dyed. Serial No. 508,941; Mar. 18. Class 43.

Union Wire Rope Corporation, Kansas City, Mo. Wire rope and wire rope cables. Serial Nos. 508,452–3; Mar. 18. Class 7.

Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. Serial No. 489,628; Mar. 18. Class 6.

Vent-Axia Limited, London, England. Ventilating apparatus. Serial No. 496,879; Mar. 18. Class 34.

Victory Packing Co., assignee: *See*—
Hirsch, Clement L.

Vishnu Corporation, The, Cleveland, Ohio. All purpose complexion creams. Serial No. 500,587; Mar. 18. Class 6.

Visioneering Co. Inc., The, Cleveland, Ohio. Specially designed appliances to serve as models. Serial No. 499,026; Mar. 18. Class 26.

Vogarell Products Co.: *See*—
Lewis, Rosemarie.

Von Hausen, Arnold F., Portland, Oreg. Valve tappet screws. Serial No. 504,081; Mar. 18. Class 23.

Webster, William A., Co., The, also doing business as American Company, Memphis, Tenn. Hair shampoo, hair dressing, hair oil, etc. Serial No. 503,027; Mar. 18. Class 6.

Weinberg Corporation, Chicago, Ill. Men's suits, coats, vests, etc. Serial No. 508,762; Mar. 18. Class 39.

Western Union Telegraph Company, The, New York, N. Y. Telegraph enciphering and deciphering apparatus. Serial No. 494,379; Mar. 18. Class 21.

Whiting Company, The, New York, N. Y. Leather cuff and collar sets. Serial No. 507,608; Mar. 18. Class 39.

Youngs Rubber Corporation, New York, N. Y. Prophylactic rubber articles. Serial No. 513,705; Mar. 18. Class 44.

Zippo Manufacturing Company, Bradford, Pa. Fluid for pyrophoric lighters. Serial No. 497,056; Mar. 18. Class 6.

LIST OF REGISTRANTS OF TRADE-MARKS

Accmatool Co., Inc., New York, N. Y. Electric hedge trimmers. 428,365; Mar. 18. Class 21.

Acme Industries, Inc., Jackson, Mich. Refrigeration apparatus. 428,302; Mar. 18. Class 31.

Aid, Joseph J., New London, Conn. Occasional tables. 428,305; Mar. 18. Class 32.

Aloha Flower Co.: *See*—
Temple, Philip R.

American Sponge & Chamois Co., Inc., New York, N. Y. Cellulose sponges. 428,266; Mar. 18; Serial No. 495,564; published Dec. 24, 1946. Class 1.

American Tissue Mills: *See*—
Perkins, John L.

American Writing Machine Company, Ilion and New York, to Remington Rand Inc., Buffalo, N. Y. Typewriter supplies. 29,290; re-renewed Dec. 8, 1946. O. G. Mar. 18. Classes 11—15—37.

Ansco Photoproducts, Inc., Binghamton, to General Aniline & Film Corporation, New York, N. Y. Sensitized photographic paper. 221,160–1; renewed Nov. 23, 1946. O. G. Mar. 18. Class 26.

Apollinaris Company Limited, The, London, England. Mineral water. 52,710; re-renewed May 15, 1946. O. G. Mar. 18. Class 45.

Apollinaris Company Limited, The, London, England. Mineral water. 55,871–2; re-renewed Aug. 21, 1946. O. G. Mar. 18. Class 45.

Ascot Ltd., Inc., New York, N. Y. Combination purse and billfold. 428,281; Mar. 18; Serial No. 501,153; published Dec. 24, 1946. Class 3.

Associated Knitted Outerwear Mills, Inc., New York, N. Y. Men's, boys', and children's underwear and knitted outerwear. 428,311; Mar. 18. Class 39.

Babs Creations, assignee: *See*—
Babs Creations, Incorporated.

Babs Creations, Incorporated, New York, N. Y., assignor, by mesne assignments, to Babs Creations. Toilet preparations and cosmetics. 428,247; Mar. 18; Serial No. 451,907; published Jan. 12, 1943. Class 6.

Basic Foods Company: *See*—
Michaelis, Curt.

Bean Sprout Growers' Association, Duluth, Minn. Canned bean sprouts. 428,358; Mar. 18. Class 46.

Belden Manufacturing Company, Chicago, Ill. Insulated electrical conducting wires. 223,258; renewed Jan. 25, 1947. O. G. Mar. 18. Class 21.

Binney & Smith Company, New York, N. Y. Crayons and pencils. 224,024–6; renewed Feb. 15, 1947. O. G. Mar. 18. Class 37.

Binney & Smith Company, New York, N. Y. Crayons and chalk. 224,250; renewed Feb. 22, 1947. O. G. Mar. 18. Class 37.

Bischoff, F., Inc.: *See*—
Bischoff, Frederick.

Bischoff, F., Inc., Brooklyn, N. Y. Cocoa and chocolate products. 219,554; renewed Oct. 19, 1946. O. G. Mar. 18. Class 46.

Bischoff, Frederick, to F. Bischoff, Inc., New York, N. Y. Pulverized or powdered chocolate and cocoa. 56,865; re-renewed Oct. 23, 1946. O. G. Mar. 18. Class 46.

Bostonian Mfg. Corp., New York, N. Y. Handbags. 428,278; Mar. 18; Serial No. 499,762; published Dec. 24, 1946. Class 3.

Brown, Paul, Company, Inc., New York, N. Y. Ladies' handbags. 428,275; Mar. 18; Serial No. 499,313; published Dec. 24, 1946. Class 3.

Brown & Williamson Tobacco Corporation, Louisville, Ky. Cigarettes, smoking tobacco, chewing tobacco, and snuff. 428,268; Mar. 18; Serial No. 496,423; published Dec. 24, 1946. Class 17.

Bulova Watch Company, Inc., New York, N. Y. Watchcases. 210,205; renewed Mar. 9, 1946. O. G. Mar. 18. Class 27.

Cabot, Saml., to Samuel Cabot, Inc., Boston, Mass. Chemical preparation. 60,810; re-renewed Feb. 19, 1947. O. G. Mar. 18. Class 6.

Cabot, Samuel, Inc.: *See*—
Cabot, Saml.

Carver Penol Company, Inc., The, Tuskegee, Ala., to Herb Juice-Penol Company, Inc., Danville, Va. Emulsion. 220,811; renewed Nov. 16, 1946. O. G. Mar. 18. Class 6.

Certified Canners: *See*—
Paulhamus, Dwight.

Certified Foods: *See*—
Paulhamus, Dwight.

Chavez Artcraft Products: *See*—
Chavez, William L.

Chavez, William L., doing business as Chavez Artcraft Products, Chicago, Ill. Photograph albums. 428,339; Mar. 18. Class 37.

Cheney Brothers, South Manchester, Conn. Woven, knitted, netted, textile and pile fabric in the piece. 223,246; renewed Jan. 25, 1947. O. G. Mar. 18. Class 42.

Church & Dwight Co., to Church & Dwight Co. Inc., New York, N. Y. Soda and saleratus. 60,407; re-renewed Feb. 5, 1947. O. G. Mar. 18. Class 6.

Church & Dwight Co. Inc.: *See*—
Church & Dwight Co.

Clark of California: *See*—
Wittenberg, Mason.

Coastal Canning Corporation, Philadelphia, Pa. Canned dog food. 428,337; Mar. 18. Class 46.

Columbia & Okanogan Nursery Company, Wenatchee, Wash. Apple trees and nursery stock. 224,280; renewed Feb. 22, 1947. O. G. Mar. 18. Class 1.

Compagnie Nationale de Matières Colorantes et Manufactures de Produits Chimiques du Nord Réunies, Etablissements Kuhlmann, to Manufactures de Produits Chimiques du Nord, Etablissements Kuhlmann, Paris, France. Special glue for pasteboard. 214,128; renewed June 15, 1946. O. G. Mar. 18. Class 5.

Continental Gin Company, Birmingham, Ala., Atlanta, Ga., Dallas, Tex., and Prattville, Ala., to Continental Gin Company, Birmingham, Ala. Cotton gins, cottonseed linters, feeders and condensers. 224,283–4; renewed Feb. 22, 1947. O. G. Mar. 18. Class 23.

Converted Rice, assignor to Converted Rice, Inc., Houston, Tex. Rice. 428,294; Mar. 18. Class 46.

Converted Rice, Inc., assignee: *See*—
Converted Rice.

Copley-Smith, L., & Sons Limited, Manchester, England. Yarn and threads. 428,259; Mar. 18; Serial No. 492,898; published Dec. 24, 1946. Class 43.

Copy Papers, Inc., Chicago, Ill. Paper. 428,309; Mar. 18. Class 37.

Crenshaw, Joseph C., Mobile, Ala. Creole shrimp gumbo soup. 428,348; Mar. 18. Class 46.

Dante Food Products Co., Inc., Buffalo, N. Y. Alimentary pastes. 428,347; Mar. 18. Class 46.

Devereux Packing Company, Salinas, Calif. Fresh vegetables. 428,333; Mar. 18. Class 46.

Dilworth Hosiery Mills, Inc., Charlotte, N. C. Infants' and children's hose. 428,284; Mar. 18; Serial No. 503,713; published Dec. 17, 1946. Class 39.

Donnelly Garment Sales Company, Kansas City, Mo. Women's suits. 428,295; Mar. 18. Class 39.

Draine, John J., doing business as Laundex Chemical Products Co., New York, N. Y. Chemical preparation. 428,285; Mar. 18; Serial No. 506,653; published Dec. 24, 1946. Class 4.

El Paraiso de Purua, Fuentes Termales, S. A., Mexico City, Mexico. Toilet soap. 428,264; Mar. 18; Serial No. 494,434; published Dec. 17, 1946. Class 4.

Erlanger, N., Blumgart & Co. Inc., New York, N. Y. Woven or knitted fabrics in the piece. 428,315; Mar. 18. Class 42.

Eutectic Welding Alloys Corporation, New York, N. Y. Alloys in various forms. 428,270; Mar. 18; Serial No. 497,381; published Dec. 24, 1946. Class 14.

Eversharp, Inc., assignee: *See—*
Gandolfo, J. C.
Gandolfo, Juan C.

Fairhope Fabrics, Inc., Fall River, Mass. Lagging tape for insulation. 428,329; Mar. 18. Class 12.

Farrell-Hynes Florists: *See—*
Hynes, Patrick J.

Firth-Sterling Steel Company, McKeesport, Pa. Steel. 222,035; renewed Dec. 21, 1946. O. G. Mar. 18. Class 14.

Firth-Sterling Steel Company, Pittsburg, to Firth-Sterling Steel Company, McKeesport, Pa. Tool-steel. 57,410; re-renewed Nov. 13, 1946. O. G. Mar. 18. Class 14.

Fitchburg Spinners Sales Corporation, Fitchburg, Mass. Yarns. 428,271–2; Mar. 18; Serial Nos. 497,536–7; published Dec. 24, 1946. Class 43.

Fitchburg Spinners Sales Corporation, Fitchburg, Mass. Yarns. 428,282; Mar. 18; Serial No. 501,726; published Dec. 24, 1946. Class 43.

Fleming-Hall Tobacco Co., Inc., New York, N. Y. Cigarettes. 428,355; Mar. 18. Class 17.

Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 218,197; renewed Sept. 21, 1946. O. G. Mar. 18. Class 42.

Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 218,200; renewed Sept. 21, 1946. O. G. Mar. 18. Class 42.

Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 218,205–7; renewed Sept. 21, 1946. O. G. Mar. 18. Class 42.

Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 218,209; renewed Sept. 21, 1946. O. G. Mar. 18. Class 42.

Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 218,213; renewed Sept. 21, 1946. O. G. Mar. 18. Class 42.

Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 218,274–5; renewed Sept. 21, 1946. O. G. Mar. 18. Class 42.

Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 218,277–8; renewed Sept. 21, 1946. O. G. Mar. 18. Class 42.

Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 218,280; renewed Sept. 21, 1946. O. G. Mar. 18. Class 42.

Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 218,382; renewed Sept. 28, 1946. O. G. Mar. 18. Class 42.

Forstmann Woolen Co.: *See—*
Forstmann & Huffmann Company.

Frank, Julius, New York, N. Y. Coats, capes, jackets, etc., for the use of women and misses. 428,350; Mar. 18. Class 39.

Frank, Samuel K., Wheeling, W. Va. Ash trays. 428,263; Mar. 18; Serial No. 494,398; published Dec. 24, 1946. Class 8.

Freedom-Valvoline Oil Company: *See—*
Galena-Signal Oil Company.

Gagnon, John J., Green Bay, Wis. Cleaning and polishing materials. 217,497; renewed Aug. 31, 1946. O. G. Mar. 18. Class 4.

Galena-Signal Oil Company, Franklin, to Freedom-Valvoline Oil Company, Freedom, Pa. Lubricating oil. 59,780; re-renewed Jan. 15, 1947. O. G. Mar. 18. Class 15.

Gandolfo, J. C., Buenos Aires, Argentina, assignor to Eversharp, Inc., Chicago, Ill. Pens, wood-encased lead pencils, penholders, etc. 428,335; Mar. 18. Class 37.

Gandolfo, Juan C., Buenos Aires, Argentina, assignor to Eversharp, Inc., Chicago, Ill. Writing inks. 428,262; Mar. 18; Serial No. 494,320; published July 23, 1946. Class 11.

Gaylord Products, Incorporated, Chicago, Ill. Non-electrical hair curlers and wavers. 428,304; Mar. 18. Class 40.

General Aniline & Film Corporation: *See—*
Ansco Photoproducts, Inc.
I. G. Farbenindustrie Aktiengesellschaft.

General Motors Corporation, Detroit, Mich. Automobiles. 222,073; renewed Dec. 21, 1946. O. G. Mar. 18. Class 19.

Gereke-Allen Carton Co., St. Louis, Mo. Cartons. 428,325; Mar. 18. Class 2.

Gilbert, S. L., Company, Inc., New York, N. Y. Men's hose. 429,330; Mar. 18. Class 39.

Goldstone Bros., San Francisco, Calif. Overalls. 428,258; Mar. 18; Serial No. 492,041; published Dec. 24, 1946. Class 39.

Goodman Cigar Co. Inc., Westfield, Mass. Cigars. 428,265; Mar. 18; Serial No. 495,289; published Dec. 24, 1946. Class 17.

Goody Record Corp., New York, N. Y., now by change of name to Gotham Record Corp. Mechanically grooved phonograph records. 428,342; Mar. 18. Class 36.

Gordon, E., & Co., Philadelphia, Pa. Children's dresses. 428,332; Mar. 18. Class 39.

Gotham Record Corp.: *See—*
Goody Record Corp.

Griffin, H., & Sons Co., The, to Griffin, Campbell, Hayes, Walsh, Inc., New York, N. Y. Sized metallic transfer leaf coated on paper. 224,301; renewed Feb. 22, 1947. O. G. Mar. 18. Class 11.

Griffin, Campbell, Hayes, Walsh, Inc.: *See—*
Griffin, H., & Sons Co., The.

Gruen Watch Company, The, Cincinnati, Ohio. Watches, watch cases, and watch movements. 428,316; Mar. 18. Class 27.

Hamilton, Alexander, Institute, to Alexander Hamilton Institute Incorporated, New York, N. Y. Publications. 223,204; renewed Jan. 18, 1947. O. G. Mar. 18. Class 38.

Hamilton, Alexander, Institute, to Alexander Hamilton Institute Incorporated, New York, N. Y. Publications. 223,206; renewed Jan. 18, 1947. O. G. Mar. 18. Class 38.

Hamilton, Alexander, Institute Incorporated: *See—*
Hamilton, Alexander, Institute.

Harvard Clothing Company, Boston, Mass. Men's coats, overcoats, topcoats, etc. 428,292; Mar. 18. Class 39.

Hatch, Letha P., doing business as Hatch's Hatchery, Portales, N. Mex. Baby chicks. 428,354; Mar. 18. Class 46.

Hatch's Hatchery: *See—*
Hatch, Letha P.

Hauser Tea Bag Co., Inc., New York, N. Y. Tea bags. 428,288; Mar. 18. Class 46.

Herb Juice-Penol Company, Inc.: *See—*
Carver Penol Company, Inc., The.

Herman, Morris, doing business as Toni Herman Co., Brooklyn, N. Y. Hair preparations. 428,357; Mar. 18. Class 6.

Herman, Toni, Co.: *See—*
Herman, Morris.

Hero Mfg. Co., Inc., Middleboro, Mass. Knitting needles, knitting pins, and crochet hooks. 428,351; Mar. 18. Class 40.

Hillyard Chemical Company, St. Joseph, Mo. Liquid window cleaner. 428,293; Mar. 18. Class 4.

Hoffman Radio Corporation, Los Angeles, Calif. Radio receiving apparatus and parts thereof. 428,321; Mar. 18. Class 21.

Hynes, Patrick J., doing business as Farrell-Hynes Florists, Chicago, Ill. Fresh flowers and plants. 428,368; Mar. 18. Class 1.

I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany, to General Aniline & Film Corporation, New York, N. Y. Photographic plates, photographic films, photographic papers, etc. 218,962; renewed Oct. 5, 1946. O. G. Mar. 18. Class 26.

I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany, to General Aniline & Film Corporation, New York, N. Y. Photographic papers. 218,963; renewed Oct. 5, 1946. O. G. Mar. 18. Class 26.

I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany, to General Aniline & Film Corporation, New York, N. Y. Photographic plates, photographic films, photographic papers, etc. 219,143; renewed Oct. 12, 1946. O. G. Mar. 18. Class 26.

International Shoe Company, St. Louis, Mo. Boots and shoes of leather. 220,491; renewed Nov. 9, 1946. O. G. Mar. 18. Class 39.

Jacobson Brothers, New York, N. Y. Men's and women's shoes of fabrics, combinations of fabrics and leathers. 224,196; renewed Feb. 22, 1947. O. G. Mar. 18. Class 39.

Jaxton Clothes Co., Inc., New York, N. Y. Men's and women's wear and sportswear. 428,312; Mar. 18. Class 39.

Jennison, W. J., Company, Minneapolis, Minn. Wheat flour. 45,183; re-renewed Aug. 8, 1945; O. G. Mar. 18. Class 46.

Jewel Togs Inc., New York, N. Y. Infants' pram suits. 428,341; Mar. 18. Class 39.

Jiggers, Inc., Chicago, Ill. Slip-on unit of solder and flux in ignitable shell. 428,252; Mar. 18; Serial No. 482,426; published Dec. 24, 1946. Class 14.

Johnson, Ellis M., doing business as Johnson Wood Specialties, Chicago, Ill. Wooden wall shelves, and wooden wall cabinets. 428,308; Mar. 18. Class 32.

Johnson Wood Specialties: *See—*
Johnson, Ellis M.

Kahn, David, Inc., North Bergen, N. J. Fountain pens and mechanical pencils. 248,250; Mar. 18; Serial No. 479,286; published Dec. 24, 1946. Class 37.

Kinkis, Victor M., Warren, Ohio. Building structure in the nature of ranging shelter. 428,340; Mar. 18. Class 12.

Klein, Joseph M., New York, N. Y. Men's overcoats, and topcoats, and suits. 428,359–60; Mar. 18. Class 39.

Knapp Brothers Manufacturing Company, Chicago, Ill. Steel forms. 428,319; Mar. 18. Class 12.

Kramer & Spiegler, New York, N. Y. Bow-tie clips. 428,344; Mar. 18. Class 40.

Kullman, Salz & Company, San Francisco, to A. K. Salz Company, Santa Cruz, Calif. Leather. 29,298; re-renewed Dec. 15, 1946. O. G. Mar. 18. Class 1.

Lajugie, Paul, to Societe Anonyme des Etablissements Elizabeth Arden, Paris, France. Dentifrice. 191,921; renewed Nov. 25, 1944. Mar. 18. Class 6.

Laning Hosiery Company, Chicago, Ill. Men's and children's hosiery. 428,349; Mar. 18. Class 39.

Larsen Company, The, Green Bay, Wis. Canned vegetables. 221,396; renewed Nov. 30, 1946. O. G. Mar. 18. Class 46.

Laundex Chemical Products Co.: *See—*
Draine, John J.

Lerner, Abram S.: *See—*
Lerner, Michael M.

Lerner, Michael M., doing business as Marie de Medicis Company, to Abram S. Lerner, Philadelphia, Pa. Cleansing cream, cucumber cream, lemon massage cream, etc. 221,658; renewed Dec. 7, 1946. O. G. Mar. 18. Class 6.

Les Parfums de Dana, Inc., New York, N. Y. Toilet soaps. 428,277; Mar. 18; Serial No. 499,719; published Dec. 24, 1946. Class 4.

Lieux Bros., New Rhoads, to Morning Treat Coffee Co., Inc., Baton Rouge, La. Coffee. 222,808; renewed Jan. 11, 1947. O. G. Mar. 18. Class 46.

Ligorner, William B., New York, N. Y. Hand mirrors. 428,299; Mar. 18. Class 32.

Livingston, Edw., & Sons: *See—*
Livingston, Edwin B.

Livingston, Edwin B., doing business as Edw. Livingston & Sons, Kansas City, Mo. Dish-washing compound. 428,257; Mar. 18; Serial No. 489,972; published Dec. 17, 1946. Class 4.

Loft Candy Corporation, Long Island City, N. Y. Candy. 428,296; Mar. 18. Class 46.

Manufactures de Produits Chimiques du Nord, Etablissements Kuhlmann: *See—*
Compagnie Nationale de Matières Colorantes et Manufactures de Produits Chimiques du Nord Réunies, Etablissements Kuhlmann.

Marie de Medicis Company: *See—*
Lerner, Michael M.

Marks and Bruhn, Philadelphia, Pa., and Chicago, Ill. China dinnerware and china gift ware. 428,306; Mar. 18. Class 30.

Marks Coffee Company, to W. W. McElmurray, doing business as Marks Coffee Company, Augusta, Ga. Coffee. 198,554; renewed May 19, 1945. O. G. Mar. 18. Class 46.

Marks, William, Inc., East Stroudsburg, Pa. Ladies' dresses and ladies' suits. 428,328; Mar. 18. Class 39.

Maryland Baking Company, Inc., Baltimore, Md. Edible pastry cups. 428,300; Mar. 18. Class 46.

Masland, C. H., & Sons, Carlisle, Pa. Textile carpets and rugs. 428,361; Mar. 18. Class 42.

Maxwell & Hitchock, Atlanta, Ga. Metallic timber joint. 428,345; Mar. 18. Class 12.

McElmurray, W. W.: *See—*
Marks Coffee Company.

Meyer, August A., doing business as Universal Water Softener Co. (not Inc.), Maywood, Ill. Apparatus for filtering and softening water. 224,360; renewed Feb. 22, 1947. O. G. Mar. 18. Class 31.

Michaelis, Curt, doing business as Basic Foods Company, New York, N. Y. Shortening. 428,327; Mar. 18. Class 46.

Mido Watch Company of America, Inc., assignee: *See—*
Societe Anonyme Mido

Monmouth Laboratories Inc., Newark, N. J. Radio receiving sets, radio sending sets, electric phonographs, etc. 428,346; Mar. 18. Class 21.

Montague City Rod Company, to Montague Rod and Reel Company, Montague City, Mass. Fishing rods, parts of fishing rods, rod forms and containers, etc. 223,732; renewed Feb. 8, 1947. O. G. Mar. 18. Class 22.

Montague Rod and Reel Company: *See—*
Montague City Rod Company.

Morgenstern, Abraham, Brooklyn, N. Y. Electric broilers. 428,313; Mar. 18. Class 21.

Morning Treat Coffee Co., Inc.: *See—*
Lieux Bros.

Morpul, Inc., New York, N. Y. Men's hosiery. 428,356; Mar. 18. Class 39.

Morse, S. F. B., Monterey and San Francisco, to S. F. B. Morse, San Francisco, Calif. Semimonthly magazine. 223,891; renewed Feb. 15, 1947. O. G. Mar. 18. Class 38.

Morvay & Sons Company, Bridgeton, N. J. Short pajamas. 428,334; Mar. 18. Class 39.

National Oil Products Company, Harrison, N. J. Blend of fatty oils. 428,269; Mar. 18; Serial No. 496,651; published Dec. 17, 1946. Class 4.

National Ring & Leather Corporation, Mansfield, Ohio. Wallets. 428,280; Mar. 18; Serial No. 500,764; published Dec. 24, 1946. Class 3.

Neilsen Bros., El Centro, Calif. Fresh vegetables. 428,362; Mar. 18. Class 46.

Novadel-Agene Corporation: *See—*
Novadel Process Corporation.

Novadel Process Corporation, Buffalo, N. Y., to Novadel-Agene Corporation, Belleville, N. J. Chemicals. 221,820; renewed Dec. 14, 1946. O. G. Mar. 18. Class 6.

Novadel Process Corporation, Buffalo, N. Y., to Novadel-Agene Corporation, Belleville, N. J. Chemicals. 221,822; renewed Dec. 14, 1946. O. G. Mar. 18. Class 6.

Oakite Products, Inc., assignee: *See—*
Oakley Chemical Co.

Oakley Chemical Co., assignor to Oakite Products, Inc., to Oakite Products, Inc., New York, N. Y. Chemical cleansing and washing compound. 222,603; renewed Jan. 4, 1947. O. G. Mar. 18. Class 6.

Ohio Clay Company, The, Cleveland, Ohio. Tile and brick. 224,226; renewed Feb. 22, 1947. O. G. Mar. 18. Class 12.

Old Quaker Company, Inc., The, New York, N. Y. Crude corn oil used for food purposes. 428,323; Mar. 18. Class 46.

Oshkosh Trunks and Luggage, Oshkosh, Wis. Hand luggage and trunks. 428,255; Mar. 18; Serial No. 487,629; published Dec. 24, 1946. Class 3.

Panther Oil & Grease Mfg. Co., Fort Worth, Tex. Liquid asbestos roof coating and plastic asbestos roof cement. 428,286; Mar. 18; Serial No. 507,486; published Dec. 24, 1946. Class 12.

Parfumerie St. Denis, New York, N. Y., to Shulton, Inc., Hoboken, N. J. Face powders. 204,915; renewed Oct. 27, 1945. O. G. Mar. 18. Class 6.

Paulhamus, Dwight, doing business as Certified Canners and also as Certified Foods, San Francisco, Calif. Canned fruits. 428,303; Mar. 18. Class 46.

Perkins, John L., to American Tissue Mills, Holyoke, Mass. Inhaling devices. 60,346; re-renewed Feb. 5, 1947. O. G. Mar. 18. Class 44.

Pioneer Suspender Company, assignee: *See—*
Taunton Pearl Works.

Planert, F. W., & Sons, Inc., to Planert Skate Company, Chicago, Ill. Ice skates. 223,352; renewed Feb. 1, 1947. O. G. Mar. 18. Class 22.

Planert Skate Company: *See—*
Planert, F. W., & Sons, Inc.

Puro Feather & Down Corporation, New York and Brooklyn, N. Y. Cushions and pillows. 428,290; Mar. 18. Class 32.

Reid, Murdoch & Co., Chicago, Ill. Cranberries, canned salmon, canned tunny fish, etc. 224,367; renewed Feb. 22, 1947. O. G. Mar. 18. Class 46.

Rein & Flein, New York, N. Y. Feather pillows. 428,298; Mar. 18. Class 32.

Reliance Manufacturing Company, Chicago, Ill. Overalls. 428,307; Mar. 18. Class 39.

Remington Rand Inc.: *See—*
American Writing Machine Company.

Rice Growers Association of California, Sacramento, Calif. Rice. 428,338; Mar. 18. Class 46.

Rice-Stix Dry Goods Company, St. Louis, Mo. Maternity dresses. 428,343; Mar. 18. Class 39.

Rogers Brothers, Portland, Oreg. Ice cream. 428,291; Mar. 18. Class 46.

Rosenbaum, Henry K., New York, N. Y. Coin cases. 428,273; Mar. 18; Serial No. 498,799; published Dec. 24, 1946. Class 3.

Ross, Matthew, Rego Park, N. Y. Seat for a child. 428,322; Mar. 18. Class 32.

Rubicon Hosiery Company, assignor to Rubicon Hosiery Sales Co., Inc., New York, N. Y. Hosiery. 428,326; Mar. 18. Class 39.

Rubicon Hosiery Sales Co., Inc., assignee: *See—*
Rubicon Hosiery Company.

Runyan, Robert H., doing business as Standard Sport Stores, Columbus, Ohio. Sporting goods and athletic equipment. 428,318; Mar. 18. Class 22.

Sager, Solomon M., Chicago, Ill. Humidors. 428,279; Mar. 18; Serial No. 500,420; published Dec. 24, 1946. Class 8.

Salem Products Corp., New York, N. Y. Shoulder pads. 428,301; Mar. 18. Class 40.

Salz, A. K., Company: *See—*
Kullman, Salz & Company.

Samarkand Company, The, San Francisco, Calif. Ice-cream, ice-milk, ices, and sherbert. 428,289; Mar. 18. Class 46.

Schoenberg, S. H., New York, N. Y. Shaving brushes. 428,320; Mar. 18. Class 29.

Schramm-Cohen, Inc., New York, N. Y. Fur coats. 428,364; Mar. 18. Class 39.

Shapleigh Hardware Company: *See—*
Simmons Hardware Company.

Shasta Volcolite Company Inc., Benicia, Calif. Bricks. 428,254; Mar. 18; Serial No. 485,889; published Dec. 24, 1946. Class 12.

Shulton, Inc.: *See—*
Parfumerie St. Denis.

Simmons Hardware Company, to Shapleigh Hardware Company, St. Louis, Mo. Try-squares, steel squares, and framing-squares. 60,371; re-renewed Feb. 5, 1947. O. G. Mar. 18. Class 26.

Singer Manufacturing Company, The: *See—*
Wheeler & Wilson Manufacturing Company.

Smith, L. C., Gun Company, Incorporated, The, Fulton, N. Y. Guns and parts thereof. 428,276; Mar. 18; Serial No. 499,440; published Dec. 24, 1946. Class 9.

Societe Anonyme des Etablissements Elizabeth Arden: *See—*
Lajugie, Paul.

Societe Anonyme Mido, Bienne, Switzerland, assignor to Mido Watch Company of America, Inc., New York, N. Y. Watches and chronometers, watch movements, etc. 428,248; Mar. 18; Serial No. 457,553; published Dec. 24, 1946. Class 27.

South Pacific Canning Company, Long Beach, Calif. Canned fish. 428,331; Mar. 18. Class 46.

Sport-Modes of Boston, Boston, Mass. Misses', women's, juniors', and children's outer clothing. 428,324; Mar. 18. Class 39.

Sporting Stepper, Sociedad Anonima Comercial e Industrial, Buenos Aires, Argentina. Sweaters and pullover sweaters. 428,317; Mar. 18. Class 39.

Square Deal Fish Market: *See*—
Stromness, H.

Standard Brass & Manufacturing Company, Port Arthur, Tex. Rough castings and semi-finished castings of nonferrous metal. 428,256; Mar. 18; Serial No. 489,152; published Dec. 24, 1946. Class 14.

Standard Sport Stores: *See*—
Runyan, Robert H.

Standard Thread Company, Inc., New York, N. Y. Thread. 224,238; renewed Feb. 22, 1947. O. G. Mar. 18. Class 43.

Stanton, Thomas F., New Stanton, Pa. Pancake flour. 219,538; renewed Oct. 19, 1946. O. G. Mar. 18. Class 46.

Stromeyer, J., Company, Philadelphia, Pa. Maltless beverages. 224,287; renewed Feb. 22, 1947. O. G. Mar. 18. Class 45.

Stromness, H., doing business as Square Deal Fish Market, Seaside, Oreg. Canned tuna and canned salmon. 428,336; Mar. 18. Class 46.

Taunton Pearl Works, Taunton, Mass., assignor to Pioneer Suspender Company, Philadelphia, Pa. Cuff links, vest buttons, shirt studs, etc. 428,249; Mar. 18; Serial No. 476,705; published Apr. 16, 1946. Class 28.

Temple, Philip R., doing business as Aloha Flower Co., Milford, Mass. Fresh cut flowers. 428,287; Mar. 18; Serial No. 509,545; published Dec. 24, 1946. Class 1.

Terry Hill, Inc., New York and Astoria, Long Island, N. Y. Ladies' beachwear and sportswear. 428,314; Mar. 18. Class 39.

Texas Bakers, San Antonio, Tex. Bakery products. 428,297; Mar. 18. Class 46.

Texite, Inc., New York, N. Y. Wearing apparel. 428,283; Mar. 18; Serial No. 502,347; published Dec. 17, 1946. Class 39.

Tiffany & Company, New York, N. Y. Jewelry. 58,872; re-renewed Dec. 25, 1946. O. G. Mar. 18. Class 28.

Tucker-Lowenthal Company, Chicago, Ill. Watches. 428,366–7; Mar. 18. Class 27.

United Chromium, Incorporated, New York, N. Y. Cleaning compositions. 428,274; Mar. 18; Serial No. 499,089; published Dec. 24, 1946. Class 4.

United States Rubber Company, New York, N. Y. Thread and yarn. 428,267; Mar. 18; Serial No. 496,410; published Dec. 24, 1946. Class 43.

Universal Water Softener Co. (not Inc.): *See*—
Meyer, August A.

Upjohn Company, The, Kalamazoo, Mich. Preparation for the treatment of colds, coughs, and other bronchial and pulmonary affections. 223,696; renewed Feb. 8, 1947. O. G. Mar. 18. Class 6.

Van Ameringen, Arnold L., to Van Ameringen-Haebler, Inc., New York, N. Y. Synthetic oil of jasmine 224,018; renewed Feb. 15, 1947. O. G. Mar. 18. Class 6.

Van Ameringen-Haebler, Inc.: *See*—
Van Ameringen, Arnold L.

Wallace & Co., Brooklyn, N. Y. Candies. 428,352; Mar. 18. Class 46.

Weil-Kalter Manufacturing Company, St. Louis, Mo. Lingerie. 428,310; Mar. 18. Class 39.

Western Food Products Company, Hutchinson, Kans. Groceries. 428,353; Mar. 18. Class 46.

Wheary Incorporated, Racine, Wis. Hand luggage and trunks. 428,260–1; Mar. 18; Serial Nos. 494,153–4; published Dec. 24, 1946. Class 3.

Wheeler & Wilson Manufacturing Company, Bridgeport, Conn., to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machines. 29,526; re-renewed Jan. 26, 1947. O. G. Mar. 18. Class 23.

Wikström, Carl, doing business as P. Wikström Junior, Stockholm, Sweden. Hardboard (hard wallboard). 428,253; Mar. 18; Serial No. 484,813; published Dec. 24, 1946. Class 12.

Wikström, P., Junior: *See*—
Wikström, Carl.

Winarick, Arthur, New York, N. Y. Face powders, face creams, face packs, toilet waters, etc. 223,364; renewed Feb. 1, 1947. O. G. Mar. 18. Class 6.

Winarick, Arthur, New York, N. Y. Face powders, face creams, face packs, etc. 224,001–2; renewed Feb. 15, 1947. O. G. Mar. 18. Class 6.

Wittenberg, Mason, doing business as Clark of California, Los Angeles, Calif. Fruit cake. 428,363; Mar. 18. Class 46.

Wolsey Limited, Leicester, England. Certain named articles of clothing. 216,892; renewed Aug. 24, 1946. O. G. Mar. 18. Class 39.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Flowers and plants, Fresh. P. J. Hynes. 428,368; Mar. 18.

Flowers, Fresh cut. P. R. Temple. 428,287; Mar. 18; Serial No. 509,545; published Dec. 24, 1946.

Leather. Kullman, Salz & Company. 29,298; re-renewed Dec. 15, 1946. O. G. Mar. 18.

Sponges, Cellulose. American Sponge & Chamois Co., Inc. 428,266; Mar. 18; Serial No. 495,564; published Dec. 24, 1946.

Trees and nursery stock, Apple. Columbia & Okanogan Nursery Company. 224,280; renewed Feb. 22, 1947. O. G. Mar. 18.

CLASS 2

Cartons. Gereke-Allen Carton Co. 428,325; Mar. 18.

CLASS 3

Cases, Coin. H. K. Rosenbaum. 428,273; Mar. 18; Serial No. 498,799; published Dec. 24, 1946.

Handbags. Bostonian Mfg. Corp. 428,278; Mar. 18; Serial No. 499,762; published Dec. 24, 1946.

Handbags, Ladies'. Paul Brown Company Inc. 428,275; Mar. 18; Serial No. 499,313; published Dec. 24, 1946.

Luggage and trunks, Hand. Oskosh Trunks and Luggage. 428,255; Mar. 18; Serial No. 487,629; published Dec. 24, 1946.

Luggage and trunks, Hand. Wheary Incorporated. 428,260–1; Mar. 18; Serial Nos. 494,153–4; published Dec. 24, 1946.

Purse and billfold, Combination. Ascot Ltd., Inc. 428,281; Mar. 18; Serial No. 501,153; published Dec. 24, 1946.

Wallets. National Ring & Leather Corporation. 428,280; Mar. 18; Serial No. 500,764; published Dec. 24, 1946.

CLASS 4

Chemical preparation. J. J. Draine. 428,285; Mar. 18; Serial No. 506,653; published Dec. 24, 1946.

Cleaner, Liquid window. Hillyard Chemical Company. 428,293; Mar. 18.

Cleaning and polishing materials. J. J. Gagnon. 217,497; renewed Aug. 31, 1946. O. G. Mar. 18.

Cleaning compositions. United Chromium, Incorporated. 428,274; Mar. 18; Serial No. 499,089; published Dec. 24, 1946.

Dish-washing compound. E. B. Livingston. 428,257; Mar. 18; Serial No. 489,972; published Dec. 17, 1946.

Fatty oils, Blend of. National Oil Products Company. 428,269; Mar. 18; Serial No. 496,651; published Dec. 17, 1946.

Soap, Toilet. El Paraiso de Purua, Fuentes Termales, S. A. 428,264; Mar. 18; Serial No. 494,434; published Dec. 17, 1946.

Soaps, Toilet. Les Parfums de Dana, Inc. 428,277; Mar. 18; Serial No. 499,719; published Dec. 24, 1946.

CLASS 5

Glue for pasteboard, Special. Compagnie Nationale de Matières Colorantes et Manufactures de Produits Chimiques du Nord Réunies, Etablissements Kuhlmann. 214,128; renewed June 15, 1946. O. G. Mar. 18.

CLASS 6

Chemical cleansing and washing compound. Oakley Chemical Co. 222,603; renewed Jan. 4, 1947. O. G. Mar. 18.

Chemical preparation. S. Cabot. 60,810; re-renewed Feb. 19, 1947. O. G. Mar. 18.

Chemicals. Novadel Process Corporation. 221,820; renewed Dec. 14, 1946. O. G. Mar. 18.

Chemicals. Novadel Process Corporation. 221,822; renewed Dec. 14, 1946. O. G. Mar. 18.

Cream, cucumber cream, lemon massage cream, etc., Cleansing. M. M. Lerner. 221,658; renewed Dec. 7, 1946. O. G. Mar. 18.

Dentifrice. P. Lajugie. 191,921; renewed Nov. 25, 1944. O. G. Mar. 18.

Emulsion. Carver Penol Company, Inc. 220,811; renewed Nov. 16, 1946. O. G. Mar. 18.

Hair preparations. M. Herman. 428,357; Mar. 18.

Powders, Face. Parfumerie St. Denis. 204,915; renewed Oct. 27, 1945. O. G. Mar. 18.

Powders, face creams, face packs, etc., Face. A. Winarick. 224,001–2; renewed Feb. 15, 1947. O. G. Mar. 18.

Powders, face creams, face packs, toilet waters, Face. A. Winarick. 223,364; renewed Feb. 1, 1947. O. G. Mar. 18.

Preparation for the treatment of colds, coughs, and other bronchial and pulmonary affections. Upjohn Company. 223,696; renewed Feb. 8, 1947. O. G. Mar. 18.

Soda and saleratus. Church & Dwight Co. 60,407; re-renewed Feb. 5, 1947. O. G. Mar. 18.

Synthetic oil of jasmine. A. L. Van Ameringen. 224,018; renewed Feb. 15, 1947. O. G. Mar. 18.

Toilet preparations and cosmetics. Babs Creations, Incorporated. 428,247; Mar. 18; Serial No. 451,907; published Jan. 12, 1943.

CLASS 8

Humidors. S. M. Sager. 428,279; Mar. 18; Serial No. 500,420; published Dec. 24, 1946.

Trays, Ash. S. K. Frank. 428,263; Mar. 18; Serial No. 494,398; published Dec. 24, 1946.

CLASS 9

Guns and parts thereof. L. C. Smith Gun Company, Incorporated. 428,276; Mar. 18; Serial No. 499,440; published Dec. 24, 1946.

CLASS 11

Inks, Writing. J. C. Gandolfo. 428,262; Mar. 18; Serial No. 494,320; published July 23, 1946.

Transfer leaf coated on paper, Sized metallic. H. Griffin & Sons Co. 224,301; renewed Feb. 22, 1947. O. G. Mar. 18.

Typewriter supplies. American Writing Machine Company. 29,290; re-renewed Dec. 8, 1946. O. G. Mar. 18.

CLASS 12

Bricks. Shasta Volcolite Company Inc. 428,254; Mar. 18; Serial No. 485,889; published Dec. 24, 1946.

Building structure in the nature of ranging shelter. V. M. Kinkis. 428,340; Mar. 18.

Hardboard (hard wallboard). C. Wikström. 428,253; Mar. 18; Serial No. 484,813; published Dec. 24, 1946.

Joint, Metallic timber. Maxwell & Hitchock. 428,345; Mar. 18.

Roof coating and plastic asbestos roof cement, Liquid asbestos. Panther Oil & Grease Mfg. Co. 428,286; Mar. 18; Serial No. 507,486; published Dec. 24, 1946.

Steel forms. Knapp Brothers Manufacturing Company. 428,319; Mar. 18.

Tape for insulation, Lagging. Fairhope Fabrics, Inc. 428,329; Mar. 18.

Tile and brick. Ohio Clay Company. 224,226; renewed Feb. 22, 1947. O. G. Mar. 18.

CLASS 14

Alloys in various forms. Eutectic Welding Alloys Corporation. 428,270; Mar. 18; Serial No. 497,381; published Dec. 24, 1946.

Castings and semi-finished castings of nonferrous metal, Rough. Standard Brass & Manufacturing Company. 428,256; Mar. 18; Serial No. 489,152; published Dec. 24, 1946.

Slip-on unit of solder and flux in ignitable shell. Jiggers, Inc. 428,252; Mar. 18; Serial No. 482,426; published Dec. 24, 1946.

Steel. Firth-Sterling Steel Company. 222,035; renewed Dec. 21, 1946. O. G. Mar. 18.

Tool-steel. Firth-Sterling Steel Company. 57,410; re-renewed Nov. 13, 1946. O. G. Mar. 18.

CLASS 15

Oil, Lubricating. Galena-Signal Oil Company. 59,780; re-renewed Jan. 15, 1947. O. G. Mar. 18.

Typewriter supplies. American Writing Machine Company. 29,290; re-renewed Dec. 8, 1946. O. G. Mar. 18.

CLASS 17

Cigarettes. Fleming-Hall Tobacco Co., Inc. 428,355; Mar. 18.

Cigarettes, smoking tobacco, chewing tobacco, and snuff. Brown & Williamson Tobacco Corporation. 428,268; Mar. 18; Serial No. 496,423; published Dec. 24, 1946.

Cigars. Goodman Cigar Co. Inc. 428,265; Mar. 18; Serial No. 495,289; published Dec. 24, 1946.

CLASS 19

Automobiles. General Motors Corporation. 222,073; renewed Dec. 21, 1946. O. G. Mar. 18.

CLASS 21

Electric broilers. A. Morgenstern. 428,313; Mar. 18.

Electric hedge trimmers. Accmatool Co., Inc. 428,365; Mar. 18.

Radio receiving apparatus and parts thereof. Hoffman Radio Corporation. 428,321; Mar. 18.

Radio receiving sets, radio sending sets, electric phonographs, etc. Monmouth Laboratories Inc. 428,346; Mar. 18.

Wires, Insulated electrical conducting. Belden Manufacturing Company. 223,258; renewed Jan. 25, 1947. O. G. Mar. 18.

CLASS 22

Fishing rods, parts of fishing rods, rod forms and containers, etc. Montague City Rod Company. 223,732; renewed Feb. 8, 1947. O. G. Mar. 18.

Skates, Ice. F. W. Planert & Sons, Inc. 223,352; renewed Feb. 1, 1947. O. G. Mar. 18.

Sporting goods and athletic equipment. R. H. Runyan. 428,318; Mar. 18.

CLASS 23

Gins, cottonseed linters, feeders and condensers, Cotton. Continental Gin Company. 224,283–4; renewed Feb. 22, 1947. O. G. Mar. 18.

Sewing machines. Wheeler & Wilson Manufacturing Company. 29,526; re-renewed Jan. 26, 1947. O. G. Mar. 18.

CLASS 26

Photographic paper, Sensitized. Ansco Photoproducts, Inc. 221,160–1; renewed Nov. 23, 1946. O. G. Mar. 18.

Photographic papers. I. G. Farbenindustrie Aktiengesellschaft. 218,963; renewed Oct. 5, 1946. O. G. Mar. 18.

Photographic plates, photographic films, photographic papers, etc. I. G. Farbenindustrie Aktiengesellschaft. 218,962; renewed Oct. 5, 1946. O. G. Mar. 18.

Photographic plates, photographic films, photographic papers, etc. I. G. Farbenindustrie Aktiengesellschaft. 219,143; renewed Oct. 12, 1946. O. G. Mar. 18.

Try-squares, steel-squares, and framing-squares. Simmons Hardware Company. 60,371; re-renewed Feb. 5, 1947. O. G. Mar. 18.

CLASS 27

Watchcases. Bulova Watch Company, Inc. 210,205; renewed Mar. 9, 1946. O. G. Mar. 18.

Watches. Tucker-Lowenthal Company. 428,366–7; Mar. 18.

Watches and chronometers, watch movements, etc. Societe Anonyme Mido. 428,248; Mar. 18; Serial No. 457,553; published Dec. 24, 1946.

Watches, watch cases, and watch movements. Gruen Watch Company. 428,316; Mar. 18.

CLASS 28

Jewelry. Tiffany & Company. 58,872; re-renewed Dec. 25, 1946. O. G. Mar. 18.

Links, vest buttons, shirt studs, etc., Cuff. Taunton Pearl Works. 428,249; Mar. 18; Serial No. 476,705; published Apr. 16, 1946.

CLASS 29

Brushes, Shaving. S. H. Schoenberg. 428,320; Mar. 18.

CLASS 30

Dinnerware and china gift ware, China. Marks and Bruhn. 428,306; Mar. 18.

CLASS 31

Apparatus for filtering and softening water. A. A. Meyer. 224,360; renewed Feb. 22, 1947. O. G. Mar. 18.

Refrigeration apparatus. Acme Industries, Inc. 428,302; Mar. 18.

CLASS 32

Cushions and pillows. Puro Feather & Down Corporation. 428,290; Mar. 18.

Mirrors, Hand. W. B. Ligorner. 428,299; Mar. 18.

Pillows, Feather. Rein & Klein. 428,298; Mar. 18.

Seat for a child. M. Ross. 428,322; Mar. 18.

Shelves and wooden wall cabinets, Wooden wall. E. M. Johnson. 428,308; Mar. 18.

Tables, Occasional. J. J. Aid. 428,305; Mar. 18.

CLASS 36

Phonograph records, Mechanically grooved. Goody Record Corp. 428,342; Mar. 18.

CLASS 37

Albums, Photograph. W. L. Chavez. 428,339; Mar. 18.

Crayons and chalks. Binney & Smith Company. 224,250; renewed Feb. 22, 1947. O. G. Mar. 18.

Crayons and pencils. Binney & Smith Company. 224,024–6; renewed Feb. 15, 1947. O. G. Mar. 18.

Paper. Copy Papers, Inc. 428,309; Mar. 18.

Pens and mechanical pencils, Fountain. David Kahn, Inc. 248,250; Mar. 18; Serial No. 479,286; published Dec. 24, 1946.

Pens, wood-encased lead pencils, penholders, etc. J. C. Gandolfo. 428,335; Mar. 18.

Typewriter supplies. American Writing Machine Company. 29,290; re-renewed Dec. 8, 1946. O. G. Mar. 18.

CLASS 38

Magazine, Semimonthly. S. F. B. Morse. 223,891; renewed Feb. 15, 1947. O. G. Mar. 18.

Publications. Alexander Hamilton Institute. 223,204; renewed Jan. 18, 1947. O. G. Mar. 18.

Publications. Alexander Hamilton Institute. 223,206; renewed Jan. 18, 1947. O. G. Mar. 18.

CLASS 39

Beachwear and sportswear, Ladies'. Terry Hill, Inc. 428,314; Mar. 18.

Boots and shoes of leather. International Shoe Company. 220,491; renewed Nov. 9, 1946. O. G. Mar. 18.

Coats, capes, jackets, etc., for the use of women and misses. J. Frank. 428,350; Mar. 18.

Coats, Fur. Schramm-Cohen, Inc. 428,364; Mar. 18.

Coats, overcoats, topcoats, etc., Men's. Harvard Clothing Company. 428,292; Mar. 18.

Clothing, Certain named articles of. Wolsey Limited. 216,892; renewed Aug. 24, 1947. O. G. Mar. 18.

Clothing, Misses', women's, juniors', and children's outer. Sport-Modes of Boston. 428,324; Mar. 18.

Dresses and ladies' suits, Ladies'. William Marks, Inc. 428,328; Mar. 18.

Dresses, Children's. E. Gordon & Co. 428,332; Mar. 18.

Dresses, Maternity. Rice-Stix Dry Goods Company. 428,343; Mar. 18.

Hose, Infants' and children's. Dilworth Hosiery Mills, Inc. 428,284; Mar. 18; Serial No. 503,713; published Dec. 17, 1946.

Hose, Men's. S. L. Gilbert Company, Inc. 428,330; Mar. 18.

Hosiery. Rubicon Hosiery Company. 428,326; Mar. 18.

Hosiery, Men's. Morpul, Inc. 428,356; Mar. 18.

Hosiery, Men's and children's. Laning Hosiery Company. 428,349; Mar. 18.

Lingerie. Weil-Kalter Manufacturing Company. 428,310; Mar. 18.

Overalls. Goldstone Bros. 428,258; Mar. 18; Serial No. 492,041; published Dec. 24, 1946.

Overalls. Reliance Manufacturing Company. 428,307; Mar. 18.

Overcoats and topcoats and suits, Men's. J. M. Klein. 428,359–60; Mar. 18.

Pajamas, Short. Morvay & Sons Company. 428,334; Mar. 18.

Shoes of fabrics, combinations of fabrics and leathers. Jacobson Brothers. 224,196; renewed Feb. 22, 1947. O. G. Mar. 18.

Suits, Infants' pram. Jewel Togs Inc. 428,341; Mar. 18.

Suits, Women's. Donnelly Garment Sales Company. 428,295; Mar. 18.

Sweaters and pullover sweaters. Sporting Stepper, Sociedad Anonima Comercial e Industrial. 428,317; Mar. 18.

Underwear and knitted outerwear, Men's, boys', and children's. Associated Knitted Outerwear Mills, Inc. 428,311; Mar. 18.

Wear and sportswear, Men's and women's. Jaxton Clothes Co., Inc. 428,312; Mar. 18.

Wearing apparel. Texite, Inc. 428,283; Mar. 18; Serial No. 502,347; published Dec. 17, 1946.

CLASS 40

Clips, Bow-tie. Kramer & Spiegler. 428,344; Mar. 18.

Curlers and wavers, Non-electrical hair. Gaylord Products, Incorporated. 428,304; Mar. 18.

Needles, knitting pins, and crochet hooks, Knitting. Hero Mfg. Co., Inc. 428,351; Mar. 18.

Pads, Shoulder. Salem Products Corp. 428,301; Mar. 18.

CLASS 42

Fabrics in the piece, Woven, knitted, netted, textile, and pile. Cheney Brothers. 223,246; renewed Jan. 25, 1947. O. G. Mar. 18.

Fabrics in the piece, Woven or knitted. N. Erlanger, Blumgart & Co. Inc. 428,315; Mar. 18.

Textile carpets and rugs. C. H. Masland & Sons. 428,361; Mar. 18.

Woolen piece goods. Forstmann & Huffmann Company. 218,197; renewed Sept. 21, 1946. O. G. Mar. 18.

Woolen piece goods. Forstmann & Huffmann Company. 218,200; renewed Sept. 21, 1946. O. G. Mar. 18.

Woolen piece goods. Forstmann & Huffmann Company. 218,205–7; renewed Sept. 21, 1946. O. G. Mar. 18.

Woolen piece goods. Forstmann & Huffmann Company. 218,209; renewed Sept. 21, 1946. O. G. Mar. 18.

Woolen piece goods. Forstmann & Huffmann Company. 218,213; renewed Sept. 21, 1946. O. G. Mar. 18.

Woolen piece goods. Forstmann & Huffmann Company. 218,274–5; renewed Sept. 21, 1946. O. G. Mar. 18.

Woolen piece goods. Forstmann & Huffmann Company. 218,277–8; renewed Sept. 21, 1946. O. G. Mar. 18.

Woolen piece goods. Forstmann & Huffmann Company. 218,280; renewed Sept. 21, 1946. O. G. Mar. 18.

Woolen piece goods. Forstmann & Huffmann Company. 218,382; renewed Sept. 28, 1946. O. G. Mar. 18.

CLASS 43

Thread. Standard Thread Company, Inc. 224,238; renewed Feb. 22, 1947. O. G. Mar. 18.

Thread and yarn. United States Rubber Company. 428,267; Mar. 18; Serial No. 496,410; published Dec. 24, 1946.

Yarn and threads. L. Copley-Smith & Sons Limited. 428,259; Mar. 18; Serial No. 492,898; published Dec. 24, 1946.

Yarns. Fitchburg Spinners Sales Corporation. 428,271–2; Mar. 18; Serial Nos. 497,536–7; published Dec. 24, 1946.

Yarns. Fitchburg Spinners Sales Corporation. 428,282; Mar. 18; Serial No. 501,726; published Dec. 24, 1946.

CLASS 44

Inhaling devices. J. L. Perkins. 60,346; re-renewed Feb. 5, 1947. O. G. Mar. 18.

CLASS 45

Beverages, Maltless. J. Stromeyer Company. 224,287; renewed Feb. 22, 1947. O. G. Mar. 18.

Mineral water. Apollinaris Company Limited. 52,710; re-renewed May 15, 1946. O. G. Mar. 18.

Mineral water. Apollinaris Company Limited. 55,871–2; re-renewed Aug. 21, 1946. O. G. Mar. 18.

CLASS 46

Alimentary pastes. Dante Food Products Co. Inc. 428,347; Mar. 18.

Bakery products. Texas Bakers. 428,297; Mar. 18.

Cake, Fruit. M. Wittenberg. 428,363; Mar. 18.

Candies. Wallace & Co. 428,352; Mar. 18.

Candy. Loft Candy Corporation. 428,296; Mar. 18.

Canned bean sprouts. Bean Sprout Growers' Association. 428,358; Mar. 18.

Canned dog food. Coastal Canning Corporation. 428,337; Mar. 18.

Canned fish. South Pacific Canning Company. 428,331; Mar. 18.

Canned fruits. D. Paulhamus. 428,303; Mar. 18.

Canned tuna and canned salmon. H. Stromness. 428,336; Mar. 18.

Canned vegetables. Larsen Company. 221,396; renewed Nov. 30, 1946. O. G. Mar. 18.

Chicks, Baby. L. P. Hatch. 428,354; Mar. 18.

Chocolate and cocoa, Pulverized or powdered. F. Bischoff. 56,865; re-renewed Oct. 23, 1946. O. G. Mar. 18.

Cocoa and chocolate products. F. Bischoff, Inc. 219,554; renewed Oct. 19, 1946. O. G. Mar. 18.

Coffee. Lieux Bros. 222,808; renewed Jan. 11, 1947. O. G. Mar. 18.

Coffee. Marks Coffee Company. 198,554; renewed May 19, 1945. O. G. Mar. 18.

Corn oil used for food purposes, Crude. Old Quaker Company, Inc. 428,323; Mar. 18.

Cranberries, canned salmon, canned tunny fish, etc. Reid, Murdoch & Co. 224,367; renewed Feb. 22, 1947. O. G. Mar. 18.

Flour, Pancake. T. F. Stanton. 219,538; renewed Oct. 19, 1946. O. G. Mar. 18.

Flour, Wheat. W. J. Jennison Company. 45,183; re-renewed Aug. 8, 1945. O. G. Mar. 18.

Groceries. Western Food Products Company. 428,353; Mar. 18.

Ice cream. Rogers Brothers. 428,291; Mar. 18.

Ice-cream, ice-milk, ices, and sherbet. Samarkand Company, 428,289; Mar. 18.

Pastry cups, Edible. Maryland Baking Company, Inc. 428,300; Mar. 18.

Rice. Converted Rice. 428,294; Mar. 18.

Rice. Rice Growers Association of California. 428,338; Mar. 18.

Shortening. C. Michaelis. 428,327; Mar. 18.

Soup, Creole shrimp gumbo. J. C. Crenshaw. 428,348; Mar. 18.

Tea bags. Hauser Tea Bag Co., Inc. 428,288; Mar. 18.

Vegetables, Fresh. Devereux Packing Company. 428,333; Mar. 18.

Vegetables, Fresh. Nielsen Bros. 428,362; Mar. 18.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 18TH DAY OF MARCH, 1947

Note.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Crabbe, Herbert J., Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation. Circuit interrupter. Re. 22,853; Mar. 18.

Fish-Schurman Corporation, assignee: *See*—
Kott, Hermann, and Yawitz.

Kott, Hermann, West Orange, N. J., and M. Yawitz, assignors to Fish-Schurman Corporation, New York, N. Y. Abrasive composition and forming same. Re. 22,854; Mar. 18.

Westinghouse Electric Corporation, assignee: *See*—
Crabbe, Herbert J.

Yawitz, Murray: *See*—
Kott, Hermann, and Yawitz.

LIST OF DESIGN PATENTEES

Adams, William E., assignor to Herring-Hall-Marvin Safe Company, Hamilton, Ohio. Combined bank vault door and frame. 146,459; Mar. 18.

Bentley, Fred, Lansing, Mich. Shuttlecock. 146,460; Mar. 18.

Better Packages Incorporated, assignee: *See*—
Krueger, Theodore H.

Century Scientific Products, Inc., assignee: *See*—
Shields, Robert W.

Chernow, Michael, New York, N. Y. Brooch or similar article. 146,461; Mar. 18.

Chernow, Michael, New York, N. Y. Link chain for a bracelet or similar article. 146,462; Mar. 18.

Chernow, Michael, New York, N. Y. Link chain for a bracelet or similar article. 146,463; Mar. 18.

Chernow, Michael, New York, N. Y. Earring or similar article. 146,464; Mar. 18.

Doak Aircraft Co., Inc., assignee: *See*—
Doak, Edmond R., and Grace.

Doak, Edmond R., and N. E. Grace, Los Angeles, assignors to Doak Aircraft Co., Inc., Torrance, Calif. Toy automobile. 146,465; Mar. 18.

Evans, Evan G., assignee: *See*—
Evans, Orin F.

Evans, Orin F., assignor to E. G. Evans, Cincinnati, Ohio. Wall flowerpot holder. 146,466; Mar. 18.

Fearn, George E., assignor to Hess-Appel, New York, N. Y. Brooch or similar article. 146,467; Mar. 18.

Fearn, George E., assignor to Hess-Appel, New York, N. Y. Brooch or similar article. 146,468; Mar. 18.

Fink, Louis F., assignor to International Meters, Inc., New York, N. Y. Parking meter casing. 146,469; Mar. 18.

Fortgang, Benjamin: *See*—
Greenberg, Jack, and Fortgang.

Fresco, Jacque, Los Angeles, Calif. Draftsman's instrument rack. 146,470; Mar. 18.

Golden, Zelma, New York, N. Y. Jacket. 146,471; Mar. 18.

Grace, Nelson E.: *See*—
Doak, Edmond R., and Grace.

Greenberg, Jack, and B. Fortgang, New York, N. Y. Leather jacket. 146,472; Mar. 18.

Herring-Hall-Marvin Safe Company, assignee: *See*—
Adams, William E.

Hess-Appel, assignee: *See*—
Fearn, George E.

International Meters, Inc., assignee: *See*—
Fink, Louis F.

Klotz, Edward C., Jr.: *See*—
Wickesberg, Alfred W., and Klotz.

Krueger, Theodore H., Stratford, assignor to Better Packages Incorporated, Shelton, Conn. Adhesive tape dispenser. 146,473; Mar. 18.

Krutz, James C., Charleroi, assignor to National Steel Fabric Company, Pittsburgh, Pa. Bracelet. 146,474; Mar. 18.

Krutz, James C., Charleroi, assignor to National Steel Fabric Company, Pittsburgh, Pa. Bracelet. 146,475; Mar. 18.

Krutz, James C., Charleroi, assignor to National Steel Fabric Company, Pittsburgh, Pa. Bracelet. 146,476; Mar. 18.

Krutz, James C., Charleroi, assignor to National Steel Fabric Company, Pittsburgh, Pa. Bracelet. 146,477; Mar. 18.

Krutz, James C., Charleroi, assignors to National Steel Fabric Company, Pittsburgh, Pa. Bracelet. 146,478; Mar. 18.

Krutz, James C., Charleroi, assignors to National Steel Fabric Company, Pittsburgh, Pa. Bracelet. 146,479; Mar. 18.

Krutz, James C., Charleroi, assignor to National Steel Fabric Company, Pittsburgh, Pa. Bracelet. 146,480; Mar. 18.

Manheimer, Olive C., Cleveland, Ohio. Combined typewriter eraser, brush, and chalk holder. 146,481; Mar. 18.

Marsella, Julio, Providence, R. I. Jewelry pin or similar article. 146,482; Mar. 18.

Mauney, Horace A., Lincolnton, N. C. Toy dog or the like. 146,483; Mar. 18.

Moore, Frank N., Chicago, Ill. Flower holder. 146,484; Mar. 18.

Mossberg, Frank, Attleboro, Mass. Bottle opener. 146,485; Mar. 18.

National Steel Fabric Company, assignee: *See*—
Krutz, James C.

Peterson, Albin K., Redondo Beach, Calif. Aerodynamic tire. 146,486; Mar. 18.

Shields, Robert W., assignor to Century Scientific Products, Inc., Chicago, Ill. Binoculars. 146,487; Mar. 18.

Short, Jay E., Delta, Ohio. Fish lure. 146,488; Mar. 18.

Sivon, Charles A., Painesville, Ohio. Fly-swatter blade. 146,489; Mar. 18.

Swartzmiller, Joseph J., Carnegie, Pa. Combination desk unit. 146,490; Mar. 18.

Swartzmiller, Joseph J., Carnegie, Pa. Combination clock and desk unit. 146,491; Mar. 18.

Thompson, Wayne L., Eightyfour, assignor to Toyad Corporation, Pittsburgh, Pa. Game apparatus. 146,492; Mar. 18.

Toyad Corporation, assignee: *See*—
Thompson, Wayne L.

Wickesberg, Alfred W., and E. C. Klotz, Jr.; said Klotz assignor to said Wickesberg, Milwaukee, Wis. Tool and implement holder. 146,493; Mar. 18.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 18TH DAY OF MARCH, 1947

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

- Adlake Company, The, assignee: *See*—
  - Larson, Carl H.
- Adler, Howard, Flossmoor, Ill., assignor to Victor Chemical Works. Treatment of tricalcium phosphate for improving fluorine adsorptiveness. 2,417,462; Mar. 18.
- Aerial Products, Inc., assignee: *See*—
  - Dwyer, Martin.
- Agerell, William C.: *See*—
  - Ten Cate, Arthur C., and Agerell.
- Agins, George: *See*—
  - Davis, Arthur P., and Agins.
- Aldred, John L., Jr., Fort Worth, Tex., assignor, by mesne assignments, to Consolidated Vultee Aircraft Corporation. Automatically compensating cable connection. 2,417,581; Mar. 18.
- Alexander, Don F., Dayton, Ohio, assignor to The Sterling Varnish Company, Haysville, Pa. Varnishing armatures and the like. 2,417,538; Mar. 18.
- Allied Chemical & Dye Corporation, assignee: *See*—
  - Engel, Karl H.
- Allis-Chalmers Manufacturing Company, assignee: *See*—
  - Hagemann, John R., and Johnson.
- Altgelt, Herman E., South Bend, Ind., assignor to The Oliver Corporation. Tractor hitch. 2,417,624; Mar. 18.
- American Car and Foundry Company, assignee: *See*—
  - Pancake, Herman H., and Smith.
- American Cyanamid Company, assignee: *See*—
  - Carlson, Gustaf H., and Pilgrim.
  - Davis, Harold S.
  - McLachlan, Dan, Jr.
  - Oldham, Wilbur N.
  - Paden, Joseph H., and Lane.
  - Paden, Joseph H., and MacLean.
- American Hatters and Furriers Company, Incorporated, assignee: *See*—
  - Maigis, James T.
- American-La France-Foamite Corporation, assignee: *See*—
  - Lindsay, Charles H.
- American Viscose Corporation, assignee: *See*—
  - Wade, Worth.
- Anderson, Rex R., Marshall, Mich. Apparatus for compartment heating. 2,417,463; Mar. 18.
- Anthes, Clifford C., Union, N. J., assignor to Union Carbide and Carbon Corporation. Porous disc type gas mixer. 2,417,670; Mar. 18.
- Arma Corporation, assignee: *See*—
  - Davis, Arthur P., and Agins.
- Armitage, Joseph B., Wauwatosa, assignor to Kearney & Trecker Corporation, West Allis, Wis. Machine tool way guard. 2,417,671; Mar. 18.
- Armitage, Joseph B., Wauwatosa, assignor to Kearney & Trecker Corporation, West Allis, Wis. Way guard structure. 2,417,672; Mar. 18.
- Armstrong Cork Company, assignee: *See*—
  - Hornberger, Clarence L.
- Aronson, Theodore F., New York, N. Y. Flexible drill jig. 2,417,539; Mar. 18.
- Attorney General of the United States, assignee: *See*—
  - Nelles, Johannes, Bayer, Tischbein, and Baehren.
- Automatic Signal Corporation, assignee: *See*—
  - Paul, Joseph N.
- Baehren, Fritz: *See*—
  - Nelles, Johannes, Bayer, Tischbein, and Baehren.
- Barber, Harry J., Gidea Park, and W. R. Wragg, Cockfosters, assignors to May & Baker Limited, Dagenham, England. 1,2,3,4-tetrahydro-6-alkoxy-8-(omega-dialkyl-amino-alkyl-amino)quinolines and their preparation. 2,417,726; Mar. 18.
- Barfield, Albert S., Atlanta, Ga., assignor to C. D. Shreve, Washington, D. C. Automatic defrosting refrigeration system. 2,417,582; Mar. 18.
- Barnett, Charles A., and J. M. Beyvl, assignors to The Foundry Equipment Company, Cleveland, Ohio. Apparatus for drying foundry molds. 2,417,673; Mar. 18.
- Barrett, Charles D., and C. R. Whitehead, Altoona, Pa. Railway car truck. 2,417,674; Mar. 18.
- Bates, George F., assignor of one-half to The Mining Engineering Company Limited, Worcester, England. Fluid pressure operated vise. 2,417,625; Mar. 18.
- Batesville Casket Company, The, assignee: *See*—
  - Hillenbrand, George C.
- Batile, John, Detroit, Mich. Foldable golf bag transporting cart. 2,417,727; Mar. 18.
- Bayer, Otto: *See*—
  - Nelles, Johannes, Bayer, Tischbein, and Baehren.
- Baylis, Albert H., North Irwin, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,417,728; Mar. 18.
- Bayne, William F., assignor to Duro-Test Corporation, North Bergen, N. J. Metal container. 2,417,464; Mar. 18.
- Bazley, Ralph L., Jackson Heights, N. Y., assignor to Square D Company, Detroit, Mich. Grinding machine. 2,417,729; Mar. 18.
- Becker, George A., assignor to Eitel-McCullough, Inc., San Bruno, Calif. Electron tube and making same. 2,417,461; Mar. 18.
- Becker, George A., assignor to Eitel-McCullough, Inc., San Bruno, Calif. Electron tube and making same. 2,417,730; Mar. 18.
- Beckham, Leland J., Geddes, assignor to The Solvay Process Company, New York, N. Y. Crystalline olefin-nitrosyl chloride addition products and making them. 2,417,675; Mar. 18.
- Beilac, Felix J., New York, N. Y. Artificial leather product. 2,417,405; Mar. 18.
- Bell Telephone Laboratories, Incorporated, assignee: *See*—
  - Knapp, Nicholas, Jr.
  - Lovell, Clarence A., and Müller.
  - Mason, Warren P.
  - Massonneau, Robert F.
  - Mead, Edward D., and Thomas.
  - Parkinson, David B.
  - Reynolds, Frederick W.
  - Sears, Raymond W.
- Bendix Aviation Corporation, assignee: *See*—
  - Rylsky, Gregory V.
- Bennett, Racy D., assignor to Vinco Corporation, Detroit, Mich. Speed control valve. 2,417,583; Mar. 18.
- Bernas, Robert: *See*—
  - Yardeny, Michel N., Bernas, and Kardorff.
- Bethlehem Steel Company, assignee: *See*—
  - White, William E.
- Beyvl, Joseph M.: *See*—
  - Barnett, Charles A., and Beyvl.
- Birkinshaw, John H., Pinner, and S. E. Michael, Croyden, assignors to Therapeutic Research Corporation of Great Britain Limited, London, England. Producing antibacterial agent. 2,417,584; Mar. 18.
- Birr, Rudolph G., Lombard, Ill., assignor to Steiner Sales Company, Salt Lake City, Utah. Dispensing apparatus. 2,417,731; Mar. 18.
- Black and Decker Manufacturing Company, The, assignee: *See*—
  - Decker, Alonzo G.
- Bland, Reginald and R. B., Pasadena, Calif. Fishing reel mechanism. 2,417,732; Mar. 18.
- Bland, Reginald B.: *See*—
  - Bland, Reginald and R. B.
- Bliss, E. W., Company, assignee: *See*—
  - Patrick, Isaac.
- Blocher, Emmett S., Muncie, Ind. Sterilizer for surgical instruments. 2,417,626; Mar. 18.
- Bocjl Corporation, assignee: *See*—
  - Lang, Joseph C.
- Booth, Earl C., assignor to Noblitt-Sparks Industries, Inc., Columbus, Ind. Chair supporting structure. 2,417,733; Mar. 18.
- Bopp, Enos J., Illinois City, Ill. Gate. 2,417,540; Mar. 18.
- Borg-Warner Corporation, assignee: *See*—
  - Polomski, John B.
- Botany Worsted Mills, assignee: *See*—
  - Smith, John S.
- Botts, Hugh P., assignor of one-half to L. G. Botts, New York, N. Y. Detachable handle for paper bags. 2,417,465; Mar. 18.
- Botts, Lawrence G., assignee: *See*—
  - Botts, Hugh P.
- Boynton, Earl S.: *See*—
  - O'Brien, Joseph F., and Boynton.
- Bradley, Robert O.: *See*—
  - Gilchrist, Fred W., Kendall, and Bradley.
- Brady, Francis E., Jr., Muncie, Ind. Pump. 2,417,627; Mar. 18.
- Brady, Lynn J.: *See*—
  - Corson, Ben B., and Brady.
- Brewer, Nannie H., Rockville, Md. Manufacture of pneumatic tire treads. 2,417,466; Mar. 18.
- Brinkmann, Guenther: *See*—
  - Stewart, Gilbert, Brinkmann, and Seyferth.
- Brisker, Frederick J., Chattanooga, Tenn. Making athletic or undershirts. 2,417,628; Mar. 18.
- British Celanese Limited, assignee: *See*—
  - Williams, John G., and Krause.

- Broadbent, John H., Longmeadow, and J. A. Lofgren, Springfield, Mass., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control apparatus. 2,417,407; Mar. 18.
- Bronander, Wilhelm B., Montclair, N. J. Cooling fin structure. 2,417,629; Mar. 18.
- Bryant, James G., Jr., Port Huron, Mich. Pulley mounting. 2,417,467; Mar. 18.
- Burkhalter, Harry D., Jr., Bowling Green, Ohio. Change-speed transmission. 2,417,406; Mar. 18.
- Burnett, Robert M.: *See*—
  - Moorman, Charles L., and Burnett.
- Butacet Limited, assignee: *See*—
  - Weizmann, Charles.
- Cahill, Francis A., Cleveland, Ohio. Utensil and plate scraper. 2,417,585; Mar. 18.
- Campos, Adolph, Clifton, N. J. Lighter construction. 2,417,630; Mar. 18.
- Campos, Adolph, Clifton, N. J. Cigarette dispenser. 2,417,631; Mar. 18.
- Canziani, Victor J., Brooklyn, and F. W. Stellwagen, Richmond Hill, assignors to Fairchild Camera and Instrument Corporation, Jamaica, N. Y. Removing plastic coating from a metal article. 2,417,468; Mar. 18.
- Carlson, Gustaf H., and F. J. Pilgrim, Pearl River, assignors, by mesne assignments, to American Cyanamid Company, New York, N. Y. Vitamin B_6 intermediates. 2,417,541; Mar. 18.
- Carlson, Harold A., University City, and O. J. Eickmann, Normandy, assignors to Carter Carburetor Corporation, St. Louis, Mo. Carburetor. 2,417,734; Mar. 18.
- Carter Carburetor Corporation, assignee: *See*—
  - Carlson, Harold A., and Eickmann.
- Carter, Philip S., Rocky Point, N. Y., assignor to Radio Corporation of America. Impedance matching circuit. 2,417,542; Mar. 18.
- Central Mine Equipment Co., assignee: *See*—
  - Patterson, James M.
- Chamberlin Company of America, assignee: *See*—
  - Smith, Frank R. E.
- Chapin, Reynold S., Flushing, assignor to Press Wireless, Inc., New York, N. Y. Tuning indicator for frequency shift carrier telegraph systems. 2,417,543; Mar. 18.
- Chernack, Abel E., Elmwood, Conn. Collapsible tubing. 2,417,676; Mar. 18.
- Chisholm-Ryder Company, Incorporated, assignee: *See*—
  - Hesson, Charles M.
- Chouinard, Alfred F.: *See*—
  - Mott, Chester, Chouinard, and Dove.
- Clark, Belle C. and E. O., Berea, Ohio. Lunch box. 2,417,632; Mar. 18.
- Clark, Elmer O.: *See*—
  - Clark, Belle C. and E. O.
- Coes, Loring, Jr.: *See*—
  - Kistler, Samuel S., and Coes.
- Cohan, Albert M., Chicago, Ill. Display card. 2,417,677; Mar. 18.
- Coleman, Clarence C., assignor of one-half to M. P. McCaffrey and one-half to W. Ruddock, Los Angeles, Calif. Material handling apparatus. 2,417,544; Mar. 18.
- Colt's Patent Fire Arms Manufacturing Company, assignee: *See*—
  - Swartz, William L.
- Cone Automatic Machine Company, Inc., assignee: *See*—
  - Miller, Carroll E.
- Consolidated Vultee Aircraft Corporation, assignee: *See*—
  - Aldred, John L., Jr.
- Conzetti, Achille, Basel, and O. Schmid, Muttenz, near Basel, assignors to J. R. Geigy A. G., Basel, Switzerland. Chroming dyestuffs with ortho hydroxy carboxylic acid chromium complexes. 2,417,735; Mar. 18.
- Cooper, William A.: *See*—
  - MacDonald, William G., and Cooper.
- Cork, Gordon H.: *See*—
  - Seyferth, Harold N., and Cork.
- Corson, Ben B., Pittsburgh, and L. J. Brady, Ross Township, Allegheny County, Pa., assignors, by mesne assignments, to Koppers Company, Inc. Synthesis of ethylated aromatic compounds. 2,417,454; Mar. 18.
- Cotton, William, Limited, assignee: *See*—
  - Macdonald, William G., and Cooper.
- Cox, Arthur, assignor to Taylor, Taylor & Hobson Limited, Leicester, England. Optical objectives. 2,417,736; Mar. 18.
- Cox, Ralph E., Schenectady, N. Y., assignor to General Electric Company. Work handling apparatus. 2,417,678; Mar. 18.
- Cox, Richard F. B., assignor to Hercules Powder Company, Wilmington, Del. Terpene ethers. 2,417,455; Mar. 18.
- Cozzoli, Frank J., Plainfield, N. J. Conveyer frame structure. 2,417,633; Mar. 18.
- Cozzoli, Frank J., Plainfield, N. J. Dripless tray for ampule washing. 2,417,634; Mar. 18.
- Crawford, Chester C.: *See*—
  - McAllister, Sumner H., and Crawford.
  - McAllister, Sumner H., Crawford, and Ross.
- Cread Engineering and Research Company, assignee: *See*—
  - Larson, Arvid N.
- Crompton & Knowles Loom Works, assignee: *See*—
  - Utter, Gustaf H.
- Crosby, Stephen A., Chicago, Ill., assignor to Sterling Tool Products Company. Lubricating system for portable rubbing machines. 2,417,469; Mar. 18.
- Crosby, Welton L., Phoenix, Ariz. Tool for removing connectors from treads. 2,417,456; Mar. 18.
- Crosley, Powel, III, Coral Gables, Fla. Making laminated structures. 2,417,586; Mar. 18.
- Culp, Lide C., El Dorado, Ark. Grinder for gate valve inserts. 2,417,737; Mar. 18.
- Curtiss-Wright Corporation, assignee: *See*—
  - Scarborough, William M.
- Czerwicznik, Stanley J., Milwaukee, Wis. Weather seal. 2,417,470; Mar. 18.
- D'Alelio, Gaetano F., Northampton, Mass., assignor to General Electric Company. Reaction products of an aldehyde and a triazine derivative. 2,417,679; Mar. 18.
- Damstra, Peter G., Holland, Mich. Clothesline reel. 2,417,587; Mar. 18.
- Dath, George E., assignor to W. H. Miner, Inc., Chicago, Ill. Snubbing means. 2,417,545; Mar. 18.
- Davis, Arthur P., Stamford, Conn., and G. Agins, Brooklyn, N. Y., assignors to Arma Corporation. Remote control system. 2,417,588; Mar. 18.
- Davis & Geck, Incorporated, assignee: *See*—
  - Themak, Edward.
- Davis, Harold S., Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Refining of crude acrylonitrile. 2,417,635; Mar. 18.
- Decker, Alonzo G., Baltimore County, Md., assignor to The Black and Decker Manufacturing Company. Sanding pad. 2,417,680; Mar. 18.
- De Giers, Clarence A., Forest Hills, assignor to The Liquidometer Corporation, Long Island City, N. Y. Air gun valve mechanism. 2,417,546; Mar. 18.
- De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,417,738; Mar. 18.
- De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,417,739; Mar. 18.
- De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,417,740; Mar. 18.
- De Laval Separator Company, The, assignee: *See*—
  - Flowers, Alan E.
- De Moore, Eugene W., New York, N. Y. Shell separator for semifixed ammunition. 2,417,457; Mar. 18.
- Desrosiers, Zénon, Quebec, Quebec, Canada. Shoe tree. 2,417,589; Mar. 18.
- Dillon, Stephen V., Tulsa, Okla., assignor to Hanlon-Waters, Division of General Finance Corporation. Split packing ring coupling. 2,417,741; Mar. 18.
- Disser, Charles E. and U. S., St. Charles, Mo. Phonograph record cleaner. 2,417,590; Mar. 18.
- Disser, Urna S.: *See*—
  - Disser, Charles E. and U. S.
- Ditchfield, Frank, assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Lifting device for sliding doors. 2,417,471; Mar. 18.
- Ditzler, John N., Silver Spring, Md., C. Oberdorfer, Birmingham, Ala., and H. D. Oberdorfer, assignors to New Castle Products, New Castle, Ind. Engine heating cover system. 2,417,636; Mar. 18.
- Donnelly, Thomas S., Detroit, Mich. Electrode holder. 2,417,547; Mar. 18.
- Dorff, Russell S., assignor to The Hall China Company, East Liverpool, Ohio. Rotary conveyer for coating machines. 2,417,472; Mar. 18.
- Dorfman, Harry, Montreal, Quebec, Canada. Lady's undergarment. 2,417,473; Mar. 18.
- Dosio, Italo R., assignor to B. R. Rand, Buenos Aires, Argentina. Circuit for gaseous discharge tubes. 2,417,742; Mar. 18.
- Dove, John F.: *See*—
  - Mott, Chester, Chouinard, and Dove.
- Dow Chemical Company, The, assignee: *See*—
  - Hanson, Alden W.
- Du Pont, E. I., de Nemours & Company, assignee: *See*—
  - Handforth, Stanley L., and Johnson.
  - Latham, George H.
  - Verbanc, John J.
- Duro-Test Corporation, assignee: *See*—
  - Bayne, William F.
- Dwyer, Martin, Hewlett Bay Park, assignor to Aerial Products, Inc., Merrick, Long Island, N. Y. Smoke generator. 2,417,592; Mar. 18.
- Eastman Kodak Company, assignee: *See*—
  - Hagemeyer, Hugh J., Jr.
- Eberhart, Arthur H., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Air conditioning apparatus. 2,417,743; Mar. 18.
- Eckert, Walter, executors, et al.: *See*—
  - Hoof, Addison C.
- Ecusta Paper Corporation, assignee: *See*—
  - Happ, Edwin L.
- Eddy, Harold C., Los Angeles, Calif., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Removing impurities from oils. 2,417,637; Mar. 18.
- Egowin, Joseph, Rockland, Mass. Punch device. 2,417,638; Mar. 18.
- Eickmann, Olin: *See*—
  - Carlson, Harold A., and Eickmann.
- Eimco Corporation, The, assignee: *See*—
  - Finney, John H. V., Jr.

- Eitel-McCullough, Inc., assignee: *See*—
  - Becker, George A.
  - Eitel, William W., and McCullough.
- Eitel, William W., Woodside, and J. A. McCullough, Millbrae, assignors to Eitel-McCullough, Inc., San Bruno, Calif. Electrode. 2,417,458; Mar. 18.
- Eitel, William W., Woodside, and J. A. McCullough, Millbrae, assignors to Eitel-McCullough, Inc., San Bruno, Calif. Electron tube and electrode for the same. 2,417,459; Mar. 18.
- Eitel, William W., Woodside, and J. A. McCullough, Millbrae, assignors to Eitel-McCullough, Inc., San Bruno, Calif. Non-emissive electrode for electron tube and making same. 2,417,460; Mar. 18.
- Eldredge, Jack, and J. F. Novak, Cleveland, Ohio. Vibratory massage device. 2,417,744; Mar. 18.
- Electric & Musical Industries Limited, assignee: *See*—
  - Hill, Stanley.
- Engel, Karl H., Teaneck, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Preparing dioxanes. 2,417,548; Mar. 18.
- Erland af Kleen, Nils, Stockholm, Sweden, assignor to Kleen Refrigerator, Inc., Hoboken, N. J. Temperature controlling system. 2,417,761; Mar. 18.
- Esmay, Paul O.: *See*—
  - Gifford, James T., and Esmay.
- Essex Wire Corporation, assignee: *See*—
  - Ilker, Elmer C., and Schwennesen.
- Excel Corporation, assignee: *See*—
  - Le Van, John F.
- Ex-Cell-O Corporation, assignee: *See*—
  - Seyferth, Harold N., and Cork.
  - Stewart, Gilbert, Brinkmann, and Seyferth.
- Fairchild Camera and Instrument Corporation, assignee: *See*—
  - Canziani, Victor J., and Stellwagen.
  - Gacki, Leonard W.
- Farrow, Frederick R., Jr., Audubon, N. J., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Control apparatus for reversible motors. 2,417,593; Mar. 18.
- Feroy, Arne, New York, N. Y. Oil pump. 2,417,474; Mar. 18.
- Fielder, Bessie T., Towson, Md. Food cutter and peeler. 2,417,475; Mar. 18.
- Findley, Russell L., Detroit, Mich., and J. R. Wrathall, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Quick response control system for dynamometers. 2,417,745; Mar. 18.
- Finley, Virgil A., Long Beach, Calif. Hydraulic piston return stop. 2,417,476; Mar. 18.
- Finney, John H. V., Jr., assignor to The Eimco Corporation, Salt Lake City, Utah. Belt type solid separator. 2,417,477; Mar. 18.
- Firestone, Floyd A., Ann Arbor, Mich. Keyboard for musical instruments. 2,417,639; Mar. 18.
- Fischbach, Cecil B., Akron, Ohio. Truck trailer chassis. 2,417,640; Mar. 18.
- Fischer, Charles, New York, N. Y. Timer. 2,417,641; Mar. 18.
- Fleche, Jean R., Youngstown, assignor to Republic Steel Corporation, Cleveland, Ohio. Method of progressively electric resistance butt welding longitudinal seam edges of a tubular blank and apparatus therefor. 2,417,594; Mar. 18.
- Fletcher, Paul E., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Slot insulation. 2,417,746; Mar. 18.
- Florence Stove Company, assignee: *See*—
  - Reeves, Herbert M.
- Flowers, Alan E., Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Centrifuge for separating liquids from gases and heavy impurities. 2,417,747; Mar. 18.
- Flowers, Paul E., Mount Gilead, Ohio, assignor to The Hydraulic Development Corp., Inc., Wilmington, Del. Clamp for stretching presses. 2,417,478; Mar. 18.
- Ford, John W., Silver Spring, Md. Flameproof screen for use in air conditioning conduits. 2,417,408; Mar. 18.
- Forslind, Erik: *See*—
  - Persson, Bengt O. E., and Forslind.
- Foundry Equipment Company, The, assignee: *See*—
  - Barnett, Charles A., and Beyvl.
- Frank, Louis, Fellows, Calif. Rivet hole locator and gauge. 2,417,681; Mar. 18.
- Free Sewing Machine Co., assignee: *See*—
  - Ivandick, Matthew G.
- Fregeolle, Oscar, assignor to Hemphill Company, Central Falls, R. I. Needle latch guard. 2,417,479; Mar. 18.
- Friedman, Edward, Brooklyn, N. Y. Confection. 2,417,480; Mar. 18.
- Frisch, Erling: *See*—
  - Schaelchlin, Walter, and Frisch.
- Froustey, Emile, Quebec, Quebec, Canada, assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for finishing heels. 2,417,481; Mar. 18.
- Gacki, Leonard W., Jamaica, N. Y., assignor to Fairchild Camera and Instrument Corporation. Focal plane shutter. 2,417,482; Mar. 18.
- Garrett Corporation, Airesearch Manufacturing Company division, The, assignee: *See*—
  - Rosales, Joseph G.
- Garrison, John R. and R. P., assignor to Garrison Machine Works, Inc., Dayton, Ohio. Gear chuck. 2,417,409; Mar. 18.
- Garrison Machine Works, Inc., assignee: *See*—
  - Garrison, John R. and R. P.
- Garrison, Ralph P.: *See*—
  - Garrison, John R. and R. P.
- Gates Rubber Company, assignee: *See*—
  - Nassimbene, Ernest.
- Gätzi, Karl: *See*—
  - Martin, Henry, Häfliger, and Gätzi.
- Geiger, David F., and G. C. True, Long Beach, Calif. Valved pipe coupling. 2,417,483; Mar. 18.
- Geigy, J. R., A. G., assignee: *See*—
  - Conzetti, Achille, and Schmid.
  - Martin, Henry, Häfliger, and Gätzi.
- Gelman Manufacturing Company, assignee: *See*—
  - Petskeyes, Charles H.
- General Electric Company, assignee: *See*—
  - Cox, Ralph E.
  - D'Alelio, Gaetano F.
  - Harlow, Winton G.
  - Hugin, Adolph C.
  - Johnson, Frithiof V.
  - Kline, Halsey W.
  - Wendt, Harry C.
  - Young, William R., and Turner.
- General Motors Corporation, assignee: *See*—
  - Kuhn, George.
  - Simpson, Emory G.
- General Register Corporation, assignee: *See*—
  - Helsel, Reuben H.
- Gifford, James T., Elgin, and P. O. Esmay, Elmhurst, assignors to Sears, Roebuck and Co., Chicago, Ill. Stock feeding device. 2,417,484; Mar. 18.
- Gilchrist, Fred W., D. B. Kendall, and R. O. Bradley, assignors to Toledo Scale Company, Toledo, Ohio. Device for classifying objects according to weight. 2,417,642; Mar. 18.
- Girdler Corporation, The, assignee: *See*—
  - Houlton, Harold G.
- Gleitz, Herbert, and P. I. Thyreen, Euclid, and C. E. Miller, East Cleveland, assignors to The Marquette Metal Products Company, Cleveland, Ohio. Mounting for textile mill spindles. 2,417,485; Mar. 18.
- Gneuhs, Charles O., Lakewood, Ohio. Facilitating the wrapping and tying of bundles of newspapers. 2,417,643; Mar. 18.
- Goodman Manufacturing Company, assignee: *See*—
  - Slomer, Joseph J.
- Gottler, Thomas L., Princeton, N. J., assignor to Radio Corporation of America. Fire control computer. 2,417,549; Mar. 18.
- Graham, Frank G., Lansing, Mich. Hand truck. 2,417,644 Mar. 18.
- Gray, William E., West Lafayette, Ind., assignor to Peerless Equipment Company, Chicago, Ill. Draft gear. 2,417,410; Mar. 18.
- Guidosh, John A.: *See*—
  - Leonard, Merrill G., and Guidosh.
- Guyer, Reynolds, assignor to Waldorf Paper Products Company, St. Paul, Minn. Reclosing carton. 2,417,550; Mar. 18.
- Häfliger, Franz: *See*—
  - Martin, Henry, Häfliger, and Gätzi.
- Hagemann, John R., Wauwatosa, and J. A. Johnson, West Milwaukee, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Nozzle construction. 2,417,486; Mar. 18.
- Hagemeyer, Hugh J., Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Preparation of methyl acrylate. 2,417,748; Mar. 18.
- Hagemeyer, Hugh J., Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Preparation of olefinic nitriles by dehydration with acetic anhydride. 2,417,749; Mar. 18.
- Hall China Company, The, assignee: *See*—
  - Dorff, Russell S.
- Hall, Edwin S., Farmington, Conn. Cam engine. 2,417,487; Mar. 18.
- Hall, Elisha W., Scituate, Mass. Rotary abrading tool. 2,417,645; Mar. 18.
- Hall, Elisha W., Scituate, Mass. Brush and making same. 2,417,750; Mar. 18.
- Hallner, Dwight E., Merced County, Calif. Drawbar unit. 2,417,646; Mar. 18.
- Hamilton, Leon H., Waterbury, Conn. Dental appliance. 2,417,682; Mar. 18.
- Handforth, Stanley L., Wilmington, Del., and C. R. Johnson, Glenn Mills, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Machine for testing and assorting resistance elements. 2,417,488; Mar. 18.
- Hanlon-Waters, Division of General Finance Corporation, assignee: *See*—
  - Dillon, Stephen V.
- Hanson, Alden W., assignor to The Dow Chemical Company, Midland, Mich. Apparatus for making fine fibers. 2,417,751; Mar. 18.

- Happ, Edwin L., Brevard, N. C., assignor to Ecusta Paper Corporation. Electrical system for doctor blade control in paper making machines. 2,417,796; Mar. 18.
- Harlow, Winton G., Upper Darby, Pa., assignor to General Electric Company. Electric air circuit breaker. 2,417,683; Mar. 18.
- Harris, Leonard B., Southold, and V. R. Pascale, New York, N. Y. Finger grip expandable garment hanger. 2,417,684; Mar. 18.
- Harrison, Arthur M.: *See*—
  - Pollard, Ernest I., and Harrison.
- Hasler, Maurice F., and R. W. Lindhurst, Glendale, Calif. Spectroscopic source unit. 2,417,489; Mar. 18.
- Hasler, Robert H., Old Westbury, N. Y. Nonicing propeller. 2,417,647; Mar. 18.
- Hastings Manufacturing Company, assignee: *See*—
  - Phillips, Harold P.
- Hayes, Walter A., Denver, Colo. Securing means for antiskid devices. 2,417,752; Mar. 18.
- Heard, Joseph R., Jr., New York, N. Y., assignor to Wyandotte Chemicals Corporation, Wyandotte, Mich. Separation of ethylene chlorohydrin from higher chlorohydrins. 2,417,685; Mar. 18.
- Heath, Robert, Fort Collins, Colo. Implement hitch for tractors. 2,417,595; Mar. 18.
- Heiman, Louis P., St. Paul, Minn. Device for reciprocating pump rods. 2,417,411; Mar. 18.
- Helmuth, Richard E.: *See*—
  - Ransburg, Harold P., and Helmuth.
- Helsel, Reuben H., Long Island City, assignor to General Register Corporation, New York, N. Y. Ticket issuing machine. 2,417,596; Mar. 18.
- Hemphill Company, assignee: *See*—
  - Fregeolle, Oscar.
- Herbst, Harry T., Baltimore, Md., assignor to Union Carbide & Carbon Corporation. Apparatus for cutting tubes. 2,417,412; Mar. 18.
- Hercules Powder Company, assignee: *See*—
  - Cox, Richard F. B.
- Hesson, Charles M., Hanover, Pa., assignor to Chisholm-Ryder Company, Inc., Niagara Falls, N. Y. Can arranging conveyer mechanism. 2,417,753; Mar. 18.
- Hewes, James E., Dundalk, Md. Rivet bucking bar. 2,417,490; Mar. 18.
- Hibbard, Lloyd J., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,417,754; Mar. 18.
- Hibbard, Lloyd J., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Plural series alternating current motor control system. 2,417,755; Mar. 18.
- Hill, Charles L., Sioux Falls, S. Dak. Cultivator fender. 2,417,597; Mar. 18.
- Hill, Stanley, Heston, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Electron discharge device and associated circuit. 2,417,551; Mar. 18.
- Hill, Thomas C., Parkville, assignor to The Glenn L. Martin Company, Middle River, Md. Universal fluid joint. 2,417,491; Mar. 18.
- Hillenbrand, George C., assignor to The Batesville Casket Company, Batesville, Ind. Casket locking and sealing means. 2,417,756; Mar. 18.
- Hinchcliffe, Sidney, Wylam-on-Tyne, England. Lifting and pulling mechanism. 2,417,492; Mar. 18.
- Hipple, John A., Jr., Verona, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Mass spectrometer. 2,417,797; Mar. 18.
- Hoff, Earl M., Masury, Ohio. Nut removing tool. 2,417,757; Mar. 18.
- Holz, Frank, Cleveland, Ohio. Metallurgical briquette and making same. 2,417,493; Mar. 18.
- Hoof, Addison C., deceased, Hinsdale; F. A. Hoof, H. C. Kepner, and W. Eckert, executors, assignors to Hoof Products Company, Chicago, Ill. Valve end seal. 2,417,494; Mar. 18.
- Hoof, Frances A., executors, et al.: *See*—
  - Hoof, Addison C.
- Hoof Products Company, assignee: *See*—
  - Hoof, Addison C.
- Hopkins, Cecil W., assignor to Landis Machine Company, Waynesboro, Pa. Centerless grinding machine. 2,417,413; Mar. 18.
- Hornberger, Clarence L., Manheim Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Universal stripping arrangement for dies. 2,417,414; Mar. 18.
- Hotstream Heater Company, assignee: *See*—
  - Short, George A.
- Houlton, Harold G., assignor to The Girdler Corporation, Louisville, Ky. Manufacture of grease. 2,417,495; Mar. 18.
- Huebner, William C., New York, N. Y. Predetermined register device for printing elements and the like. 2,417,496; Mar. 18.
- Hufferd, George H.: *See*—
  - Knaggs, Harold J., and Hufferd.
- Hughes, Everett C., Cleveland Heights, assignor to The Standard Oil Company, Cleveland, Ohio. Hydrocarbon treatment. 2,417,415; Mar. 18.
- Hugin, Adolph C., Schenectady, N. Y., assignor to General Electric Company. Dynamoelectric machine. 2,417,686; Mar. 18.
- Hulslander, Harley A., Sr., Washington's Crossing, N. J. Adhesive coated product. 2,417,497; Mar. 18.
- Hultin, Oscar H., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Paper carton having combined top closure and pouring spout. 2,417,498; Mar. 18.
- Hunau, Lillian, Brooklyn, N. Y. Brassière. 2,417,687; Mar. 18.
- Hutchins, George V., North Hero, Vt. Mop wringer. 2,417,416; Mar. 18.
- Hydraulic Development Corp., Inc., The, assignee: *See*—
  - Flowers, Paul E.
- Ilford Limited, assignee: *See*—
  - Stein, Oswald.
- Ilker, Elmer C., Wilmette, and D. O. Schwennesen, Chicago, Ill., assignors to Essex Wire Corporation. Transformer bushing. 2,417,552; Mar. 18.
- Ille, Floyd W., Manhasset, N. Y. Therapeutic bath. 2,417,499; Mar. 18.
- Immel, Ralph B., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Shockproof electromagnetic device. 2,417,758; Mar. 18.
- Imperial Chemical Industries Limited, assignee: *See*—
  - Thomson, Robin H. K., and Swift.
- Insley Manufacturing Corporation, assignee: *See*—
  - Ray, Fred B.
- International Harvester Company, assignee: *See*—
  - McNamara, Gordon, Jr.
- Ivandick, Matthew G., assignor to Free Sewing Machine Co., Rockford, Ill. Motor drive for sewing machines. 2,417,417; Mar. 18.
- Jackson, Charles C., Pomeroy, Wash. Harvesting mechanism. 2,417,500; Mar. 18.
- Jeffery, Harold T., Wilmette, Ill., assignor to Yeomans Brothers Company. Sewage clarifier. 2,417,688; Mar. 18.
- Jensen, Nels, Grass Valley, Calif. Hand truck. 2,417,553; Mar. 18.
- Johansen, Carl S., and M. R. G. Teisen, Copenhagen, Denmark. Internal-combustion engine. 2,417,648; Mar. 18.
- Johansen, Carl S., and M. R. G. Teisen, Copenhagen, Denmark. Two-stroke internal combustion engine. 2,417,649; Mar. 18.
- Johnson, Charles R.: *See*—
  - Handforth, Stanley L., and Johnson.
- Johnson, Frithiof V., Scotia, N. Y., assignor to General Electric Company. Gyroscopic device. 2,417,689; Mar. 18.
- Johnson, John A.: *See*—
  - Hagemann, John R., and Johnson.
- Johnson, Sonja V., Milford, Conn. Inhalator. 2,417,759; Mar. 18.
- Johnston, Thomas M., Washington, D. C. Automobile headlight signal indicator. 2,417,501; Mar. 18.
- Jones, John P., Brownsville, Tex. Wrench for shielded spark plugs. 2,417,598; Mar. 18.
- Jones, William D., Houston, Tex., assignor to Link Aviation Devices, Inc., Binghamton, N. Y. Locking device for aviation trainers. 2,417,554; Mar. 18.
- Joyce, William J., Jr., Manheim, Pa., assignor to Raybestos-Manhatten, Inc., Passaic, N. J. Asbestos fiberizing apparatus. 2,417,599; Mar. 18.
- Jutte, William B., Hollywood, Calif. Multistage radial flow turbine. 2,417,600; Mar. 18.
- Kadz, Harald D., Glendale, Calif., assignor to Kay-Brunner Steel Products, Inc. Winch. 2,417,502; Mar. 18.
- Kandel, Charles, Jackson Heights, N. Y. Cutting torch. 2,417,650; Mar. 18.
- Kardorff, Leon: *See*—
  - Yardeny, Michel N., Bernas, and Kardorff.
- Kay-Brunner Steel Products, Inc., assignee: *See*—
  - Kadz, Harald D.
- Kearney & Trecker Corporation, assignee: *See*—
  - Armitage, Joseph B.
- Keene, Walter L., Dormont, assignor to Superior Steel Corporation, Pittsburgh, Pa. Making bimetallic products. 2,417,760; Mar. 18.
- Keller, George, Jr., Keyport, assignor to The Trucktor Corporation, Newark, N. J. Tandem trailer suspension. 2,417,690; Mar. 18.
- Keller, William M.: *See*—
  - Steins, Carleton K., and Keller.
- Kelley, Frank H., Rosemond, Calif., and R. M. Stanley, Kenmore, N. Y., assignors to United Aircraft Corporation, East Hartford, Conn. Aircraft flight control. 2,417,691; Mar. 18.
- Kelley, Leo A., New York, N. Y., assignor to The Rauland Corporation, Chicago, Ill. Radio carrier telephone system. 2,417,555; Mar. 18.
- Kelly, Lewis P., Peoria Heights, Ill. Apparatus for nesting pipe elbows. 2,417,503; Mar. 18.
- Kendall, Donald B.: *See*—
  - Gilchrist, Fred W., Kendall, and Bradley.
- Kepner, Hugh C., executors, et al.: *See*—
  - Hoof, Addison C.
- King, John M., Dover, L. F. Young, Wharton, A. E. Reinhard, Dover, and F. Schultze, Rockaway, N. J. Arming vane for aerial bomb fuses. 2,417,418; Mar. 18.
- Kistler, Samuel S., West Boylston, and L. Coes, Jr., Brookfield, assignors to Norton Company, Worcester, Mass. Abrasive. 2,417,419; Mar. 18.

Kleen Refrigerator, Inc., assignee: *See*—
Erland af Kleen, Nils.

Kline, Halsey W., Schenectady, N. Y., assignor to General Electric Company. Fuse and switch unit. 2,417,692; Mar. 18.

Knaggs, Harold J., Cleveland, and G. H. Hufferd, Shaker Heights, assignors to The Weatherhead Company, Cleveland, Ohio. Cable tension regulator. 2,417,504; Mar. 18.

Knapp, Nicholas, Jr., Queens Village, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Terminal block. 2,417,420; Mar. 18.

Koller, Steven, Detroit, Mich. Tool for magnetic lifting. 2,417,762; Mar. 18.

Koolnis, Stanley R., Stamford, Conn. Portable carrier. 2,417,421; Mar. 18.

Koppers Company, Inc., assignee: *See*—
Corson, Ben B., and Brady.

Kramer, Adrian P., Detroit, Mich., assignor to National Steel Corporation. Trimming apparatus. 2,417,556; Mar. 18.

Krause, Leonard: *See*—
Williams, John G., and Krause.

Krebs, Ernst T., San Francisco, Calif. Processing wood for the rapid maturation of whiskey and other alcoholic liquors and wines. 2,417,505; Mar. 18.

Kuhlik, Hattie B., assignee: *See*—
Kuhlik, Jacob M.

Kuhlik, Jacob M., assignor to H. B. Kuhlik, Brooklyn, N. Y. Sound recording and reproducing machine. 2,417,651; Mar. 18.

Kuhn, George, Silver Spring, Md., assignor to General Motors Corporation, Dayton, Ohio. Washing and cleaning machine. 2,417,557; Mar. 18.

Kunzler, William S., Greensburg, assignor to Robertshaw Thermostat Company, Youngwood, Pa. Snap-action device. 2,417,652; Mar. 18.

Kurtz, Allen W., Springfield, Ohio, assignor to the United States of America as represented by the Secretary of War. Manipulatable servicing support. 2,417,422; Mar. 18.

Laird, Alfred W., Oak Park, and G. J. Maxson, Western Springs, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for manufacturing nitrogen. 2,417,558; Mar. 18.

Lake, Wilbur E., Fostoria, Mich. Device for killing rodents by electricity. 2,418,601; Mar. 18.

Lamb, James J., West Hartford, Conn., assignor to Remington Rand Inc., Buffalo, N. Y. Automatic iris control. 2,417,506; Mar. 18.

Landis Machine Company, assignee: *See*—
Hopkins, Cecil W.

Lane, Leslie C., Jr.: *See*—
Paden, Joseph H., and Lane.

Lang, Joseph C., assignor to Bocjl Corporation, Pittsburgh, Pa. Double ended staple. 2,417,423; Mar. 18.

Lange, Per G., Finspong, Sweden. Seal for radial flow turbines or compressors. 2,417,693; Mar. 18.

Larkin, Artemas M., assignor to The Ryan Aeronautical Co., San Diego, Calif. Ratchet means. 2,417,602; Mar. 18.

Larson, Arvid N., assignor, by mesne assignments, to Cread Engineering and Research Company, Cranston, R. I. Antifriction bearing retainer. 2,417,559; Mar. 18.

Larson, Carl H., Elkhart, Ind., assignor to The Adlake Company. Mercury switch relay. 2,417,763; Mar. 18.

Larson, Carl H., Elkhart, Ind., assignor to The Adlake Company. Hermetically sealed container. 2,417,764; Mar. 18.

Larsson, Ernst A., assignor to The Ohio Brass Company, Mansfield, Ohio. Automatic braking mechanism for vehicles. 2,417,694; Mar. 18.

Latham, George H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Chemical modification of rubber. 2,417,424; Mar. 18.

Lee, Frank H., Company, The, assignee: *See*—
Sacks, John E.

Lengsfield Brothers, Incorporated, assignee: *See*—
Lengsfield, Byron H.

Lengsfield, Byron H., assignor to Lengsfield Brothers, Incorporated, New Orleans, La. Paper box. 2,417,653; Mar. 18.

Leonard, Merrill G., Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Relay. 2,417,765; Mar. 18.

Leonard, Merrill G., Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Steering solenoid for torpedoes. 2,417,766; Mar. 18.

Leonard, Merrill G., Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric switch. 2,417,767; Mar. 18.

Leonard, Merrill G., Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control device. 2,417,768; Mar. 18.

Leonard, Merrill G., Sharon, Pa., and J. A. Guidosh, Hubbard, Ohio, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Joint ring. 2,417,769; Mar. 18.

Le Van, John F., assignor to Excel Corporation, Elkhart, Ind. Joint for tubes, rods, and the like. 2,417,654; Mar. 18.

Levesque du Rostu, Georges, assignor to Societe Anonyme Andre Citroen, Paris, France. Cooling device of internal-combustion engine. 2,417,591; Mar. 18.

Levin, Ezra, Champaign, Ill. Flaking sunflower seed for solvent extraction. 2,417,507; Mar. 18.

Lewis, James E., Chicago, Ill. International time and day clock. 2,417,695; Mar. 18.

Leyde, Glen W., Falls Church, Va. Lifesaving craft. 2,417,508; Mar. 18.

Linde, Hilding, Kalmar, Sweden. Refuse collecting container. 2,417,696; Mar. 18.

Lindhurst, Roland W.: *See*—
Hasler, Maurice F., and Lindhurst.

Lindsay, Charles H., assignor to American-La France-Foamite Corporation, Elmira, N. Y. Fireman's nozzle. 2,417,655; Mar. 18.

Link Aviation Devices, Inc., assignee: *See*—
Jones, William D.

Liquidometer Corporation, The, assignee: *See*—
De Giers, Clarence A.

Little, Arthur D., Inc., assignee: *See*—
Marek, Leroy F.

Lofgren, John A.: *See*—
Broadbent, John H., and Lofgren.

Longstreet, Arthur H., deceased, Brooklyn, N. Y.; M. A. Longstreet, executrix. Device to facilitate mounting specimens on microscope slides. 2,417,802; Mar. 18.

Longstreet, Mirian A., executrix: *See*—
Longstreet, Arthur H.

Loomis, Evarts G., Newark, N. J. Press. 2,417,697; Mar. 18.

Lovell, Clarence A., Summit, and J. F. Müller, Montclair, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Potentiometer circuit. 2,417,425; Mar. 18.

Lynn, Clarence, Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Excitation system. 2,417,770; Mar. 18.

Lyons, Ernest C., Brooklyn, N. Y. Antirattler device for windows and the like. 2,417,656; Mar. 18.

MacDonald, William G., and W. A. Cooper, assignors to William Cotton Limited, Loughborough, England. Automatic welt turning apparatus. 2,417,509; Mar. 18.

MacLean, Alexander F.: *See*—
Paden, Joseph H., and MacLean.

Malgis, James T., assignor to American Hatters and Furriers Company, Incorporated, Danbury, Conn. Fur cutting machine. 2,417,771; Mar. 18.

Malcolm, Scott: *See*—
Mitchell, Percival H., and Malcolm.

Marek, Leroy F., Lexington, Mass., assignor to Arthur D. Little, Inc. Preparing substantially anhydrous magnesium chloride. 2,417,772; Mar. 18.

Marquette Metal Products Company, The, assignee: *See*—
Gleitz, Herbert, Thyreen, and Miller.

Martin, Glenn L., Company, The, assignee: *See*—
Hill, Thomas C.

Martin, Henry, F. Häfliger, and K. Gätzi, assignors to the firm J. R. Geigy, A. G., Basel, Switzerland. Alpha-substituted aralkyl esters of amino carboxylic acids. 2,417,773; Mar. 18.

Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoelectric crystal mounting. 2,417,426; Mar. 18.

Massonneau, Robert F., Scarsdale, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Counting circuit. 2,417,427; Mar. 18.

Maxson, Gordon J.: *See*—
Laird, Alfred W., and Maxson.

May & Baker Limited, assignee: *See*—
Barber, Harry J., and Wragg.

McAllister, Sumner H., Lafayette, C. C. Crawford, El Cerrito, and W. E. Ross, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Isomerizing hydrocarbons. 2,417,698; Mar. 18.

McAllister, Sumner H., Lafayette, Calif., and C. C. Crawford, Bartlesville, Okla., assignors to Shell Development Company, San Francisco, Calif. Isomerizing naphthenes and paraffins in a hydrocarbon mixture. 2,417,699; Mar. 18.

McBee Company, The, assignee: *See*—
Welk, Nelson S.

McCaffrey, Marion P., assignee, et al.: *See*—
Coleman, Clarence C.

McCarty, Everett B., Alton, Ill. Unloading and loading apparatus. 2,417,700; Mar. 18.

McCollum, Henry J. D., deceased; T. McCollum, executrix, assignor to Stewart-Warner Corporation, Chicago, Ill. Internal-combustion heater. 2,417,603; Mar. 18.

McCollum, Henry J., deceased; T. McCollum, executrix, assignor to Stewart-Warner Corporation, Chicago, Ill. Heater having means for diverting and igniting a fuel-air mixture. 2,417,604; Mar. 18.

McCollum, Thelma, executrix: *See*—
McCollum, Henry J. D.

McCullough, Jack A.: *See*—
Eitel, William W., and McCullough.

McGinnis, Archibald B., assignor to Wheeling Stamping Company, Wheeling, W. Va. Plastic article. 2,417,510; Mar. 18.

McGraw Electric Company, assignee: *See*—
Osterheld, Clark M.

McLachlan, Dan, Jr., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. X-ray goniometer camera. 2,417,657; Mar. 18.

McLennan, Lester W., El Cerrito, assignor to Union Oil Company of California, Los Angeles, Calif. Lubricating composition. 2,417,428; Mar. 18.

McLennan, Lester W., El Cerrito, assignor to Union Oil Company of California, Los Angeles, Calif. Complex basic soap greases. 2,417,429; Mar. 18.

McLennan, Lester W., El Cerrito, assignor to Union Oil Company of California, Los Angeles, Calif. Lubricants. 2,417,430; Mar. 18.

McLennan, Lester W., El Cerrito, assignor to Union Oil Company of California, Los Angeles, Calif. Lubricants. 2,417,431; Mar. 18.

McLennan, Lester W., El Cerrito, assignor to Union Oil Company of California, Los Angeles, Calif. Lubricants. 2,417,432; Mar. 18.

McLennan, Lester W., El Cerrito, assignor to Union Oil Company of California, Los Angeles, Calif. Lubricating composition. 2,417,433; Mar. 18.

McNamara, Gordon G., Jr., Chicago, Ill., assignor to International Harvester Company. Tractor loading attachment. 2,417,560; Mar. 18.

Mead, Edward D., Caldwell, and F. M. Thomas, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Mechanical stop device. 2,417,434; Mar. 18.

Michael, Stephen E.: *See*—
Birkinshaw, John H., and Michael.

Miller, Carroll E., assignor to Cone Automatic Machine Company, Inc., Windsor, Vt. Turret locking mechanism. 2,417,605; Mar. 18.

Miller, Charles E.: *See*—
Gleitz, Herbert, Thyreen, and Miller.

Miller, Robert D.: *See*—
Muzzey, David S., Jr., and Miller.

Miner, W. H., Inc., assignee: *See*—
Dath, George E.

Mining Engineering Company Limited, The, assignee: *See*—
Bates, George F.

Minneapolis-Honeywell Regulator Company, assignee: *See*—
Strother, Fred P.

Mitchell, Percival H., and S. Malcolm, Toronto, Ontario, Canada. Furnace for the production of carbon black. 2,417,606; Mar. 18.

Monsanto Chemical Company, assignee: *See*—
Mowry, David T.

Moorman, Charles L., Millington, and R. M. Burnett, assignors to Union Asbestos & Rubber Co., Chicago, Ill. Power take-off device for railway cars. 2,417,561; Mar. 18.

Morris, John R., Beacon, assignor to The Texas Company, New York, N. Y. Lubricant. 2,417,562; Mar. 18.

Moser, Rudolph J., assignor to The National Cash Register Company, Dayton, Ohio. Locking device for accounting machines. 2,417,563; Mar. 18.

Mott, Chester, Evanston, and A. F. Chouinard, J. F. Dove, assignors to National Cylinder Gas Company, Chicago, Ill. Torch cutting machine. 2,417,511; Mar. 18.

Mount Hope Machinery Company, assignee: *See*—
Robertson, John D.

Mowry, David T., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Copolymer of vinyl aromatic hydrocarbons. 2,417,607; Mar. 18.

Mowry, David T., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Electrical conductor. 2,417,608; Mar. 18.

Mullen, Thomas W., Evansville, Ind. Bottle carrier. 2,417,774; Mar. 18.

Mullen, Thomas W., Evansville, Ind. Bottle lifter and carrier. 2,417,775; Mar. 18.

Müller, John F.: *See*—
Lovell, Clarence A., and Müller.

Munters, Carl G., Stocksund, Sweden. Heat insulation. 2,417,435; Mar. 18.

Muzzey, David S., Jr., Alexandria, Va., and R. D. Miller, Washington, D. C., assignors to Shell Development Company, San Francisco, Calif. Electronic commutator. 2,417,609; Mar. 18.

Nassimbene, Ernest, assignor to Gates Rubber Company, Denver, Colo. Belt. 2,417,512; Mar. 18.

National Carbon Company, Inc., assignee: *See*—
Ramadanoff, Dimiter.

National Cash Register Company, The, assignee: *See*—
Moser, Rudolph J.

National Cylinder Gas Company, assignee: *See*—
Mott, Chester, Chouinard, and Dove.

National Steel Corporation, assignee: *See*—
Kramer, Adrian P.

Natkins, Efrem N., New York, N. Y. Flexible drive coupling. 2,417,436; Mar. 18.

Nelles, Johannes, Leverkusen-Schlebusch, O. Bayer, Leverkusen-I. G. Werk, W. Tischbein, Leverkusen-Wiesdorf, and F. Baehren, Dormagen, Germany; vested in the Attorney General of the United States. Textile softening with nitrogen containing linear ester polymer. 2,417,513; Mar. 18.

Neumann, Henry T., New York, N. Y. Non-congealing starch product and the like and inhibitor therefor, and preparing the inhibitor. 2,417,515; Mar. 18.

Neumann, Henry T., assignor to Spectrum Products Company, Inc., New York, N. Y. Producing colored photographic images. 2,417,514; Mar. 18.

Neunuebel, Edward C., Union, Mo. Shoe construction. 2,417,776; Mar. 18.

New Castle Products, assignee: *See*—
Ditzler, John N., and C. and H. D. Oberdorfer.

Newhall, Carl A., Peabody, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Work channeling device for sewing machines. 2,417,516; Mar. 18.

Newman, Joseph M., Weston, Ontario, Canada. Vegetable and fruit comminuting device. 2,417,564; Mar. 18.

Nicholas, William, U. S. Army, Chicago, Ill. Fusion projectile. 2,417,437; Mar. 18.

Nichols, Luke, Hood River, Oreg. Log bundling apparatus. 2,417,658; Mar. 18.

Nigg, Clara, Princeton, N. J., assignor to E. R. Squibb & Sons, New York, N. Y. Antigens and preparing them. 2,417,777; Mar. 18.

Norton Company, assignee: *See*—
Kistler, Samuel S., and Coes.

Norvell, Benjamin E., Oak Creek, Ariz. Game or toy. 2,417,565; Mar. 18.

Novak, Joseph F.: *See*—
Eldredge, Jack, and Novak.

Oak Mfg., Co., assignee: *See*—
Ten Cate, Arthur C., and Agerell.

Oberdorfer, Carol: *See*—
Ditzler, John N., and C. and H. D. Oberdorfer.

Oberdorfer, Henry D.: *See*—
Ditzler, John N., and C. and H. D. Oberdorfer.

O'Brien, Joseph F., Jersey City, and E. S. Boynton, East Orange, N. J., assignors to John B. Pierce Foundation, New York, N. Y. Electromagnetic switch. 2,417,438; Mar. 18.

Ohio Brass Company, The, assignee: *See*—
Larsson, Ernst A.
Smith, Edward P.

Oldham, Wilbur N., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Method of preparing cyanuric chloride. 2,417,659; Mar. 18.

Oliver Corporation, The, assignee: *See*—
Altgelt, Herman E.

Osterheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill. Thermal reluctance rod thermal-retarder for electric water heaters. 2,417,778; Mar. 18.

Overdick, William, New York, N. Y. Chair. 2,417,439; Mar. 18.

Paden, Joseph H., Glenbrook, and A. F. MacLean, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Preparation of guanidine salts. 2,417,440; Mar. 18.

Paden, Joseph H., Glenbrook, and L. C. Lane, Jr., Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Production of guanidine salts. 2,417,441; Mar. 18.

Pancake, Herman H., and C. G. Smith, Huntington, W. Va., assignors to American Car and Foundry Company, New York, N. Y. Constructing stub axle car bodies. 2,417,779; Mar. 18.

Parkinson, David B., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Potentiometer circuit. 2,417,442; Mar. 18.

Parsons, John B., Toledo, Ohio. Compensating device for rotary pumps. 2,417,701; Mar. 18.

Parvin, Edward G., Beach Haven, N. J. Reeling control mechanism. 2,417,780; Mar. 18.

Pascale, Vito R.: *See*—
Harris, Leonard B., and Pascale.

Patrick, Isaac, assignor to E. W. Bliss Company, Brooklyn, N. Y. Operating mechanism for presses. 2,417,781; Mar. 18.

Patterson, James M., Jennings, assignor to Central Mine Equipment Co., St. Louis, Mo. Handle coupling socket. 2,417,517; Mar. 18.

Patterson, William E., Miami, Fla. Electric lamp socket. 2,417,518; Mar. 18.

Paul, Joseph N., Norwalk, assignor to Automatic Signal Corporation, East Norwalk, Conn. Signal. 2,417,443; Mar. 18.

Peerless Equipment Company, assignee: *See*—
Gray, William E.

Pennsylvania Railroad Company, The, assignee: *See*—
Steins, Carleton K., and Keller.

Perkins Glue Company, assignee: *See*—
Pierson, Gordon G.

Persson, Bengt O. E., Enebyberg, and E. Forslind, Stockholm, Sweden. Plant for melting ice and preventing ice formation. 2,417,519; Mar. 18.

Petrolite Corporation, Ltd., assignee: *See*—
De Groote, Melvin.
Eddy, Harold C.

Petskeyes, Charles H., Davenport, Iowa, assignor to Gelman Manufacturing Company, Rock Island, Ill. Bread transferring means for bread slicing machine. 2,417,782; Mar. 18.

Philco Corporation, assignee: *See*—
Farrow, Frederick R., Jr.
Tellier, Joseph C.
Traub, Ernest H.

- Phillips, Harold P., assignor to Hastings Manufacturing Company, Hastings, Mich. Manufacturing piston rings. 2,417,610; Mar. 18.
- Phillips Petroleum Company, assignee: *See—*
  - Vinyard, Roy E.
- Pierce, John B., Foundation, assignee: *See—*
  - O'Brien, Joseph F., and Boynton.
- Pierson, Gordon G., assignor to Perkins Glue Company, Lansdale, Pa. Making insoluble starch. 2,417,611; Mar. 18.
- Pike, Robert D., Pittsburgh, Pa. Production of metals from their oxides. 2,417,444; Mar. 18.
- Pilgrim, Frederick J.: *See—*
  - Carlson, Gustaf H., and Pilgrim.
- Pinkel, Benjamin, Cleveland, Ohio. Combustion chamber. 2,417,445; Mar. 18.
- Pneumatic Scale Corporation, Limited, assignee: *See—*
  - Hultin, Oscar H.
- Pollard, Ernest I., Wilkinsburg, and A. M. Harrison, Swissvale, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Hydrogen cooled machine having direct connected exciter with separately housed brush rigging. 2,417,783; Mar. 18.
- Polomski, John B., Detroit, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Blocking ring release mechanism. 2,417,566; Mar. 18.
- Porch, Edwin A., Canon City, Colo. Bulldozer. 2,417,520; Mar. 18.
- Press Wireless, Inc., assignee: *See—*
  - Chapin, Reynold S.
- Provenzano, Gaetano, New York, N. Y. Military tank for salvaging aeroplanes. 2,417,612; Mar. 18.
- Radabaugh, John M., Mount Vernon, Ohio. Electric motor control and differential gear drive for lawn mowers. 2,417,613; Mar. 18.
- Radio Corporation of America, assignee: *See—*
  - Carter, Philip S.
  - Gottier, Thomas L.
  - Shenk, Eugene R.
  - Snepvangers, Rene.
  - Wehner, Robert S.
  - Wolff, Irving.
- Ramadanoff, Dimiter, Cleveland, Ohio, assignor to National Carbon Company, Inc. Electrical contact brush. 2,417,702; Mar. 18.
- Rand, Ben R.: *See—*
  - Dosio, Italo R.
- Ransburg, Edwin M., assignee, et al.: *See—*
  - Ransburg, Harold P., and Helmuth.
- Ransburg, H. Gregg, assignee, et al.: *See—*
  - Ransburg, Harold P., and Helmuth.
- Ransburg, Harold P., and R. E. Helmuth, Indianapolis, Ind., assignors to H. J., H. G., H. P., and E. M. Ransburg, co-partners, doing business as Harper J. Ransburg Company. Apparatus for coating articles. 2,417,798; Mar. 18.
- Ransburg, Harper J., assignee, et al.: *See—*
  - Ransburg, Harold P., and Helmuth.
- Ransburg, Harper J., Company, assignee, et al.: *See—*
  - Ransburg, Harold P., and Helmuth.
- Ratcliff, Peary F., Shreveport, La. Pastry glazing machine. 2,417,614; Mar. 18.
- Rauland Corporation, The, assignee: *See—*
  - Kelley, Leo A.
- Ray, Fred B., assignor to Insley Manufacturing Corporation, Indianapolis, Ind. Hook roller mounting for rotary cranes. 2,417,567; Mar. 18.
- Raybestos-Manhattan, Inc., assignee: *See—*
  - Joyce, William J., Jr.
- Raytheon Manufacturing Company, assignee: *See—*
  - Spencer, Percy L.
  - Stiefel, Karl J.
- Reeves, Herbert M., Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass. Stop device for oven doors. 2,417,521; Mar. 18.
- Reilich, Gustave E., Ridgewood, N. Y. Rotary vane type pump. 2,417,568; Mar. 18.
- Reinhard, Archibald E.: *See—*
  - King, John M., Young, Reinhard, and Schultze.
- Remick, Walter L., Evanston, Ill. Hydraulic separation of solids. 2,417,660; Mar. 18.
- Remington Rand Inc., assignee: *See—*
  - Lamb, James J.
- Republic Steel Corporation, assignee: *See—*
  - Fleche, Jean R.
- Reynolds, Frederick W., Ridgewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Stereotelevision and television range finding. 2,417,446; Mar. 18.
- Rice, Henry T. M., San Marino, Calif. Method of and apparatus for press forging wrench sockets and the like. 2,417,569; Mar. 18.
- Risk, Thomas H., Franklin, Mich. Sealing screw closure. 2,417,703; Mar. 18.
- Robertshaw Thermostat Company, assignee: *See—*
  - Kunzler, William S.
  - Strobel, Charles K.
- Robertson, John D., assignor to Mount Hope Machinery Company, Taunton, Mass. Cloth guider. 2,417,447; Mar. 18.
- Rogers, Stuart M., Syracuse, assignor to The Solvay Process Company, New York, N. Y. Bleaching cotton. 2,417,570; Mar. 18.
- Rosales, Joseph G., assignor to The Garrett Corporation, Airesearch Manufacturing Company Division, Los Angeles, Calif. Method for assembling heat exchangers having flattened tubes. 2,417,661; Mar. 18.
- Rosales, Joseph G., assignor to The Garrett Corporation, Airesearch Manufacturing Company Division, Los Angeles, Calif. Brazing aluminum. 2,417,662; Mar. 18.
- Ross, William E.: *See—*
  - McAllister, Sumner H., Crawford, and Ross.
- Rothe, Hugo F., Trenton, Mich. Aerial projectile game. 2,417,615; Mar. 18.
- Rouy, Auguste L. M. A., New York, N. Y. Cooling an internal-combustion engine. 2,417,448; Mar. 18.
- Rubin, Paul, Shamokin, Pa. Tire inflation indicator valve cap. 2,417,449; Mar. 18.
- Rubissow, George A., New York, N. Y. Gate for centrifugal casting molds. 2,417,663; Mar. 18.
- Ruddock, William, assignee, et al.: *See—*
  - Coleman, Clarence C.
- Rudolph Wurlitzer Company, The, assignee: *See—*
  - Socin, Francis C.
- Ryan Aeronautical Co., The, assignee: *See—*
  - Larkin, Artemas M.
- Rylsky, Gregory V., Ridgefield Park, assignor to Bendix Aviation Corporation, Teterboro, N. J. System for using the scanning beam of light for instruments. 2,417,704; Mar. 18.
- Ryniker, Harry F., Elmira, N. Y. Hat. 2,417,616; Mar. 18.
- Sacks, John E., Brooklyn, N. Y., assignor to The Frank H. Lee Company, Danbury, Conn. Shipping and display case. 2,417,705; Mar. 18.
- Scarborough, William M., Overland, Mo., assignor to Curtiss-Wright Corporation. Adjustable fairlead. 2,417,706; Mar. 18.
- Schaelchlin, Walter, Wilkinsburg, and E. Frisch, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Position regulation system. 2,417,784; Mar. 18.
- Schaffner, Fred W., Mount Washington, Ohio. Target. 2,417,451; Mar. 18.
- Schmid, Otto: *See—*
  - Conzetti, Achille, and Schmid.
- Schmitt, Arthur C., Wenonah, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Silica-beryllia gel. 2,417,664; Mar. 18.
- Schuchardt, Ernest, Durham, N. C. Slicing machine. 2,417,617; Mar. 18.
- Schultze, Fred: *See—*
  - King, John M., Young, Reinhard, and Schultze.
- Schwennesen, Donald O.: *See—*
  - Ilker, Elmer C., and Schwennesen.
- Scott, Eben L., Mission, Kans. Toy rocker. 2,417,618; Mar. 18.
- Scovill Manufacturing Company, assignee: *See—*
  - Seaver, Donald A.
- Sears, Raymond W., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 2,417,450; Mar. 18.
- Sears, Roebuck and Co., assignee: *See—*
  - Gifford, James T., and Esmay.
- Seaver, Donald A., West Cheshire, assignor to Scovill Manufacturing Company, Waterbury, Conn. Gland nut. 2,417,799; Mar. 18.
- Selby, John: *See—*
  - Van Denberg, Thomas F., and Selby.
- Seyferth, Carl G., assignor to West Michigan Steel Foundry Company, Muskegon, Mich. Landing gear for trailers. 2,417,619; Mar. 18.
- Seyferth, Harold N.: *See—*
  - Stewart, Gilbert, Brinkmann, and Seyferth.
- Seyferth, Harold N., East Detroit, and G. H. Cork, assignors to Ex-Cell-O Corporation, Detroit, Mich. Automatic thread grinding machine. 2,417,707; Mar. 18.
- Shaw, Joe C., Racine, Wis., assignor to Young Radiator Company. Surge valve mechanism. 2,417,708; Mar. 18.
- Shell Development Company, assignee: *See—*
  - McAllister, Sumner H., and Crawford.
  - McAllister, Sumner H., Crawford, and Ross.
  - Muzzey, David S., Jr., and Miller.
- Shenk, Eugene R., Brooklyn, N. Y., assignor to Radio Corporation of America. Multivibrator circuit. 2,417,522; Mar. 18.
- Short, George A., assignor to Hotstream Heater Company, Cleveland, Ohio. Draft control mechanism. 2,417,571; Mar. 18.
- Shreve, C. Dudley, assignee: *See—*
  - Barfield, Albert S.
- Simpson, Emory G., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Seat adjuster. 2,417,523; Mar. 18.
- Six, Walter J., Indianapolis, Ind. Piston expander. 2,417,665; Mar. 18.
- Slepian, Joseph, Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Low-loss conductor for high frequency currents. 2,417,785; Mar. 18.
- Slomer, Joseph J., assignor to Goodman Manufacturing Company, Chicago, Ill. Fluid operated control system. 2,417,524; Mar. 18.

- Slomer, Joseph J., assignor to Goodman Manufacturing Company, Chicago, Ill. Fluid control valve. 2,417,709; Mar. 18.
- Smith, Coleman G.: *See—*
  - Pancake, Herman H., and Smith.
- Smith, Edward P., assignor to The Ohio Brass Company, Mansfield, Ohio. Starter for electric motors. 2,417,710; Mar. 18.
- Smith, Frank R. E., and L. E. Willett, assignors to Chamberlin Company of America, Detroit, Mich. Detention screen. 2,417,711; Mar. 18.
- Smith, Helen E., New York, N. Y. Article of wearing apparel. 2,417,787; Mar. 18.
- Smith, Hurley, Buffalo, N. Y. Pocket shield or protector. 2,417,786; Mar. 18.
- Smith, John S., Ramsey, assignor to Botany Worsted Mills, Passaic, N. J. Cop holding spindle for spinning or twisting yarn. 2,417,525; Mar. 18.
- Snepvangers, René, Haddon Heights, N. J., assignor to Radio Corporation of America. Signal translating apparatus. 2,417,712; Mar. 18.
- Société Anonyme Andre Citroen, assignee: *See—*
  - Levesque du Rostu, Georges.
- Socin, Francis C., St. Charles, assignor to The Rudolph Wurlitzer Company, Chicago, Ill. Piano action. 2,417,666; Mar. 18.
- Socony-Vacuum Oil Company, Incorporated, assignee: *See—*
  - Schmitt, Arthur C.
- Soderberg, Gustave J., Babylon, N. Y. Polishing apparatus for floors and similar surfaces. 2,417,620; Mar. 18.
- Soffel, William F., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Rotating contactor relay. 2,417,788; Mar. 18.
- Solvay Process Company, The, assignee: *See—*
  - Beckham, Leland J.
  - Rogers, Stuart M.
- Sparks Industries, Inc., assignee: *See—*
  - Booth, Earl C.
- Spectrum Products Company, Inc., assignee: *See—*
  - Neumann, Henry T.
- Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Magnetron anode structure. 2,417,789; Mar. 18.
- Square D Company, assignee: *See—*
  - Bazley, Ralph L.
- Squibb, E. R., & Sons, assignee: *See—*
  - Nigg, Clara.
- Standard Duplicating Machines Corporation, assigee: *See—*
  - Storck, Frederick W., and Trueman.
- Standard Oil Company, The, assignee: *See—*
  - Hughes, Everett C.
- Standard Oil Development Company, assignee: *See—*
  - Sweeney, William J.
- Stanley, Robert M.: *See—*
  - Kelley, Frank H., and Stanley.
- Stein, Oswald, Watford, assignor to Ilford Limited, Ilford, England. Production of gelatin layers. 2,417,713; Mar. 18.
- Steiner Sales Company, assignee: *See—*
  - Birr, Rudolph G.
- Steins, Carleton K., and W. M. Keller, Merion, assignors to The Pennsylvania Railroad Company, Philadelphia, Pa. Stabilizing mechanism for rail and other wheeled vehicles. 2,417,526; Mar. 18.
- Stellwagen, Frank W.: *See—*
  - Canziani, Victor J., and Stellwagen.
- Sterling Tool Products Company, assignee: *See—*
  - Crosby, Stephen A.
- Sterling Varnish Company, The, assignee: *See—*
  - Alexander, Don F.
- Stewart, Gilbert, and G. Brinkmann, Detroit, and H. N. Seyferth, East Detroit, assignors to Ex-Cell-O Corporation, Detroit, Mich. Thread grinding machine. 2,417,714; Mar. 18.
- Stewart, Howard J., Apollo, assignor to Union Spring and Manufacturing Co., New Kensington, Pa. Disk spring assembly. 2,417,715; Mar. 18.
- Stewart-Warner Corporation, assignee: *See—*
  - McCollum, Henry J. De N.
- Stiefel, Karl J., Waltham, assignor to Raytheon Manufacturing Company, Newton, Mass. Electrical system. 2,417,452; Mar. 18.
- Stockwell, Fred L., Garner, Iowa. Trailer. 2,417,790; Mar. 18.
- Storck, Frederick W., Arlington, and P. T. Trueman, Canton, assignors to Standard Duplicating Machines Corporation, Everett, Mass. Sheet clamping device. 2,417,572; Mar. 18.
- Strobel, Charles K., Pittsburgh, assignor to Robertshaw Thermostat Company, Youngwood, Pa. Safety control system for fuel burners. 2,417,667; Mar. 18.
- Strother, Fred P., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Stabilizing gyro devices. 2,417,573; Mar. 18.
- Superior Steel Corporation, assignee: *See—*
  - Keene, Walter L.
- Swartz, William L., West Hartford, assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Firearm sight. 2,417,716; Mar. 18.
- Sweeney, William J., Summit, N. J., assignor to Standard Oil Development Company. Conversion of hydrocarbon oils. 2,417,527; Mar. 18.
- Swift, Stanley R.: *See—*
  - Thomson, Robin H. K., and Swift.
- Syracuse Chilled Plow Co., Inc., assignee: *See—*
  - Young, Austin E.
- Taylor, Taylor & Hobson Limited, assignee: *See—*
  - Cox, Arthur.
- Teisen, Mogens R. G.: *See—*
  - Johansen, Carl S., and Teisen.
- Tellier, Joseph C., Penn Wynne, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Detector for frequency modulated signals. 2,417,717; Mar. 18.
- Ten Cate, Arthur C., and W. C. Agerell, assignors to Oak Mfg. Co., Chicago, Ill. Preselecting mechanism. 2,417,528; Mar. 18.
- Terry, Trent B., Charlottesville, Va. Pants. 2,417,529; Mar. 18.
- Texas Company, The, assignee: *See—*
  - Morris, John R.
- Themak, Edward, Northport, assignor to Davis & Geck, Incorporated, Brooklyn, N. Y. Suture package. 2,417,574; Mar. 18.
- Therapeutic Research Corporation of Great Britain Limited, assignee: *See—*
  - Birkinshaw, John H., and Michael.
- Thomas, Frank M.: *See—*
  - Mead, Edward D., and Thomas.
- Thomson, Marshall, Williamsville, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 2,417,575; Mar. 18.
- Thomson, Robin H. K., Kilwinning, and S. R. Swift, Saltcoats, Scotland, assignors to Imperial Chemical Industries Limited. Manufacture of viscous protein solutions for the production of artificial filaments. 2,417,576; Mar. 18.
- Thyreen, Paul I.: *See—*
  - Gleitz, Herbert, Thyreen, and Miller.
- Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Electrical terminal connection. 2,417,718; Mar. 18.
- Tinnerman Products, Inc., assignee: *See—*
  - Tinnerman, George A.
- Tischbein, Wilhelm: *See—*
  - Nelles, Johannes, Bayer, Tischbein, and Baehren.
- Titan Valve and Manufacturing Company, The, assignee: *See—*
  - Van Denberg, Thomas F., and Selby.
- Toledo Scale Company, assignee: *See—*
  - Gilchrist, Fred W., Kendall, and Bradley.
- Traub, Ernest H., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Color image projection system. 2,417,621; Mar. 18.
- Trico Products Corporation, assignee: *See—*
  - Thomson, Marshall.
- Trucktor Corporation, The, assignee: *See—*
  - Keller, George, Jr.
- True, Glenn G.: *See—*
  - Geiger, David F., and True.
- Trueman, Paul T.: *See—*
  - Storck, Frederick W., and Trueman.
- Turner, Prescott K.: *See—*
  - Young, William R., and Turner.
- Tyszkiewic, Stella, administratrix: *See—*
  - Tyszkiewicz, Carl.
- Tyszkiewicz, Carl, deceased, S. Tyszkiewic, administratrix, assignor to S. Tyszkiewic, Cranston, R. I. Archery device. 2,417,791; Mar. 18.
- Union Asbestos & Rubber Co., assignee: *See—*
  - Moorman, Charles L., and Burnett.
- Union Carbide and Carbon Corporation, assignee: *See—*
  - Anthes, Clifford C.
  - Herbst, Harry T.
- Union Oil Company of California, assignee: *See—*
  - McLennan, Lester W.
- Union Spring and Manufacturing Co., assignee: *See—*
  - Stewart, Howard J.
- United Aircraft Corporation, assignee: *See—*
  - Kelley, Frank H., and Stanley.
- United Shoe Machinery Corporation, assignee: *See—*
  - Froustey, Emile.
  - Newhall, Carl A.
- Utter, Gustaf H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Shuttle box for looms. 2,417,668; Mar. 18.
- Van Denberg, Thomas F., Cleveland Heights, and J. Selby, Euclid, assignors to The Titan Valve and Manufacturing Company, Cleveland, Ohio. Valve control mechanism. 2,417,577; Mar. 18.
- Verbanc, John J., Tuxedo Park, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Adhesive compositions and process. 2,417,792; Mar. 18.
- Verson Allsteel Press Company, assignee: *See—*
  - Werner, Herbert B.
- Victor Chemical Works, assignee: *See—*
  - Adler, Howard.
- Vinco Corporation, assignee: *See—*
  - Bennett, Racy D.

Vinyard, Roy E., Phillips, Tex., assignor to Phillips Petroleum Company. Distillation of hydrogen fluoride-hydrocarbon mixtures at constant rate. 2,417,669; Mar. 18.

Wade, Worth, New York, N. Y., assignor to American Viscose Corporation, Wilmington, Del. Producing a textile product. 2,417,453; Mar. 18.

Wahrt, William, New York, N. Y. Race handicapping device. 2,417,719; Mar. 18.

Waldorf Paper Products Company, assignee: *See*—
  Guyer, Reynolds.

Walsh, Philip J., San Francisco, Calif. Converter system. 2,417,622; Mar. 18.

War, United States of America, as represented by the Secretary of, assignee: *See*—
  Kurtz, Allen W.

Weatherhead Company, The, assignee: *See*—
  Knaggs, Harold J., and Hufferd.

Wehner, Robert S., Port Jefferson, N. Y., assignor to Radio Corporation of America. Antenna. 2,417,793; Mar. 18.

Weiser, Tobiah, New York, N. Y. Electrical hair removing instrument. 2,417,530; Mar. 18.

Weisser, Arthur H., Jackson, Mich. Making a buffing or polishing bar. 2,417,800; Mar. 18.

Weizmann, Charles, London, W. C. 1, assignor to Butacet Limited, London, England. Fermentation process. 2,417,801; Mar. 18.

Welk, Nelson S., assignor to The McBee Company, Athens, Ohio. Card sorting machine. 2,417,531; Mar. 18.

Wendt, Harry C., Nahant, Mass., assignor to General Electric Company. Gyroscopic attitude indicator. 2,417,720; Mar. 18.

Werner, Herbert B., assignor to Verson Allsteel Press Company, Chicago, Ill. Punch press having a die cushion. 2,417,794; Mar. 18.

Western Electric Company, assignee: *See*—
  Laird, Alfred W., and Maxson.

Westinghouse Electric Corporation, assignee: *See*—
  Baylis, Albert H.
  Broadbent, John H., and Lofgren.
  Eberhart, Arthur H.
  Findley, Russell L., and Wrathall.
  Fletcher, Paul E.
  Hibbard, Lloyd J.
  Hipple, John A., Jr.
  Immel, Ralph B.
  Leonard, Merrill G.
  Lynn, Clarence.
  Pollard, Ernest I.
  Schaelchlin, Walter.
  Slepian, Joseph.
  Soffel, William F.

West Michigan Steel Foundry Company, assignee: *See*—
  Seyferth, Carl G.

Whedon, Kenneth, Jackson, Mich. Automatic variable choke for gun barrels. 2,417,721; Mar. 18.

Wheeling Stamping Company, assignee: *See*—
  McGinnis, Archibald B.

White, William E., Bethlehem, Pa., assignor to Bethlehem Steel Company. Hinged road mat. 2,417,578; Mar. 18.

Whitehead, Charles R.: *See*—
  Barrett, Charles D., and Whitehead.

Wickland, Edward T., Roundup, Mont. Page end alarm for typewriters. 2,417,532; Mar. 18.

Wilkison, Wylie S., Bayard, N. Mex. Pump rod and pipe clamp. 2,417,533; Mar. 18.

Wilkison, Wylie S., Bayard, N. Mex. Auto window control. 2,417,534; Mar. 18.

Willett, Leon E.: *See*—
  Smith, Frank R. E., and Willett.

Williams, John G., and L. Krause, assignors to British Celanese Limited, London, England. Production of textile materials which are sensitive towards water. 2,417,535; Mar. 18.

Wolff, Irving, Haddonfield, N. J., assignor to Radio Corporation of America. Purification of liquids by subjecting successively confined portions of said liquid to supersonic vibrations and simultaneously bubbling oxygen through said confined portions. 2,417,722; Mar. 18.

Wragg, William R.: *See*—
  Barber, Harry J., and Wragg.

Wrangell, Kjell F., Ottawa, Ontario, Canada. Chain conveyor. 2,417,723; Mar. 18.

Wrathall, Jay R.: *See*—
  Findley, Russell L., and Wrathall.

Wurzburger, Paul D., Cleveland, Ohio. Pipe coupling. 2,417,536; Mar. 18.

Wyandotte Chemicals Corporation, assignee: *See*—
  Heard, Joseph R., Jr.

Wyckoff, Nathan D., Sterling, Ill. Amusement apparatus. 2,417,537; Mar. 18.

Yardeny, Michel N., R. Bernas, and L. Kardorff, New York, N. Y.; said Bernas and said Kardorff assignors to said Yardeny. Auxiliary device for stopping motors. 2,417,795; Mar. 18.

Yellin, Edward, Chicago, Ill. Curtain ring. 2,417,623; Mar. 18.

Yeomans Brothers Company, assignee: *See*—
  Jeffery, Harold T.

Young, Austin E., Syracuse, assignor to Syracuse Chilled Plow Co., Inc., New York, N. Y. Power lift device. 2,417,579; Mar. 18.

Young, Austin E., assignor to Syracuse Chilled Plow Co., Inc., Syracuse, N. Y. Potato digger with power lift. 2,417,580; Mar. 18.

Young, Leo F.: *See*—
  King, John M., Young, Reinhard, and Schultze.

Young Radiator Company, assignee: *See*—
  Shaw, Joe C.

Young, William R., and P. K. Turner, Fairfield, Conn., assignors to General Electric Company. Apparatus for starting discharge lamps. 2,417,724; Mar. 18.

Youngstown Steel Door Company, The, assignee: *See*—
  Ditchfield, Frank.

Zuck, Daniel R., San Diego, Calif. Combined flight and ground control for airplanes. 2,417,725; Mar. 18.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 18TH DAY OF MARCH, 1947

Note.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive composition and forming same. H. Kott and M. Yawitz. Re. 22,854; Mar. 18.

Circuit interrupter. H. J. Crabbs. Re. 22,853; Mar. 18.

LIST OF DESIGN INVENTIONS

Bank vault door and frame, Combined. W. E. Adams. 146,459; Mar. 18.

Binoculars. R. W. Shields. 146,487; Mar. 18.

Blade, Fly-swatter. C. A. Sivon. 146,489; Mar. 18.

Bottle opener. F. Mossberg. 146,485; Mar. 18.

Bracelet. J. C. Kurtz. 146,474–80; Mar. 18.

Brooch or similar article. M. Chernow. 146,461; Mar. 18.

Brooch or similar article. G. E. Fearn. 146,467–8; Mar. 18.

Casing, Parking meter. L. F. Fink. 2,416,469; Mar. 18.

Chain for a bracelet or similar article, Link. M. Chernow. 146,462–3; Mar. 18.

Clock and desk unit, Combination. J. J. Swartzmiller. 146,491; Mar. 18.

Desk unit, Combination. J. J. Swartzmiller. 146,490; Mar. 18.

Dispenser, Adhesive tape. T. H. Krueger. 146,473; Mar. 18.

Earring or similar article. M. Chernow. 146,464; Mar. 18.

Eraser, brush, and chalk holder, Combined typewriter. O. C. Manheimer. 146,481; Mar. 18.

Fish lure. J. E. Short. 146,488; Mar. 18.

Game apparatus. W. L. Thompson. 146,492; Mar. 18.

Holder, Flower. F. N. Moore. 146,484; Mar. 18.

Holder, Tool and implement. A. W. Wickesberg and E. C. Klotz. 146,493; Mar. 18.

Jacket. Z. Golden. 146,471; Mar. 18.

Jacket, Leather. J. Greenberg and B. Fortgang. 146,472; Mar. 18.

Pin or similar article, Jewelry. J. Marsella. 146,482; Mar. 18.

Potholder, Wall flower. O. F. Evans. 146,466; Mar. 18.

Rack, Draftsman's instrument. J. Fresco. 146,470; Mar. 18.

Shuttlecock. F. Bentley. 146,460; Mar. 18.

Tire, Aerodynamic. A. K. Peterson. 146,486; Mar. 18.

Toy automobile. E. R. Doak and N. E. Grace. 146,465; Mar. 18.

Toy dog or the like. H. A. Mauney. 146,483; Mar. 18.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 18TH DAY OF MARCH, 1947

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive. S. S. Kistler and L. Coes, Jr. 2,417,419; Mar. 18.
Acrylonitrile, Refining of crude. H. S. Davis. 2,417,635; Mar. 18.
Adhesive coated product. H. A. Huislander. 2,417,497; Mar. 18.
Adhesive compositions and process. J. J. Verbanc. 2,417,792; Mar. 18.
Air conditioning apparatus. A. H. Eberhart. 2,417,743; Mar. 18.
Aircraft flight control. F. H. Kelley and R. M. Stanley. 2,417,691; Mar. 18.
Alarm for typewriters, Page end. E. T. Wickland. 2,417,532; Mar. 18.
Alpha-substituted aralkyl esters of amino carboxylic acids. H. Martin, F. Häfliger, and K. Gatzl. 2,417,773; Mar. 18.
Aluminum, Abrazing. J. G. Rosales. 2,417,662; Mar. 18.
Amusement apparatus. N. D. Wyckoff. 2,417,537; Mar. 18.
Anhydrous magnesium chloride, Preparing substantially. L. F. Marek. 2,417,772; Mar. 18.
Antenna. R. S. Wehner. 2,417,793; Mar. 18.
Antibacterial agent, Producing. J. H. Birkinshaw and S. E. Michael. 2,417,584; Mar. 18.
Antifriction bearing retainer. A. N. Larson. 2,417,559; Mar. 18.
Antigens and preparing them. C. Nigg. 2,417,777; Mar. 18.
Apparatus for coating articles. H. P. Ransburg and R. E. Helmuth. 2,417,798; Mar. 18.
Apparatus for compartment heating. R. R. Anderson. 2,417,463; Mar. 18.
Apparatus for cutting tubes. H. T. Herbst. 2,417,412; Mar. 18.
Apparatus for drying foundry molds. C. A. Barnett and J. M. Beyvl. 2,417,673; Mar. 18.
Apparatus for floors and similar surfaces, Polishing. G. J. Soderberg. 2,417,620; Mar. 18.
Apparatus for making fine fibers. A. W. Hanson. 2,417,751; Mar. 18.
Apparatus for nesting pipe elbows. L. P. Kelly. 2,417,503; Mar. 18.
Apparatus for starting discharge lamps. W. R. Young and P. K. Turner. 2,417,724; Mar. 18.
Archery device. C. Tyszkiewicz. 2,417,791; Mar. 18.
Armatures and the like, Varnishing. D. F. Alexander. 2,417,538; Mar. 18.
Asbestos fiberizing apparatus. W. J. Joyce, Jr. 2,417,599; Mar. 18.
Automatic braking mechanism for vehicles. E. A. Larsson. 2,417,694; Mar. 18.
Automatic defrosting refrigeration system. A. S. Barfield. 2,417,582; Mar. 18.
Automatic iris control. J. J. Lamb. 2,417,506; Mar. 18.
Automatic thread grinding machine. H. N. Seyferth and G. H. Cork. 2,417,707; Mar. 18.
Automatic welt turning apparatus. W. G. MacDonald and W. A. Cooper. 2,417,509; Mar. 18.
Automobile headlight signal indicator. T. M. Johnston. 2,417,501; Mar. 18.
Bar: *See*—
  Rivet bucking bar.
Bar, Making a buffing or polishing. A. H. Weisser. 2,417,800; Mar. 18.
Belt. E. Nassimbene. 2,417,512; Mar. 18.
Belt type solid separator. J. H. V. Finney, Jr. 2,417,477; Mar. 18.
Bimetallic products. W. L. Keene. 2,417,760; Mar. 18.
Block: *See*—
  Terminal block.
Bottle carrier. T. W. Mullen. 2,417,774; Mar. 18.
Box: *See*—
  Lunch box.
  Paper box.
Box for looms, Shuttle. G. H. Utter. 2,417,668; Mar. 18.
Brassière. L. Hunau. 2,417,687; Mar. 18.
Bread transferring means for bread slicing machine. C. H. Petskeyes. 2,417,782; Mar. 18.
Briquette and making same, Metallurgical. F. Holz. 2,417,493; Mar. 18.
Brush and making same. E. W. Hall. 2,417,750; Mar. 18.
Brush, Electrical contact. D. Ramadanoff. 2,417,702; Mar. 18.
Bulldozer. E. A. Porch. 2,417,520; Mar. 18.
Bushing, Transformer. E. C. Iiker and D. O. Schwennesen. 2,417,552; Mar. 18.
Cable connection, Automatically compensating. J. L. Aldred, Jr. 2,417,581; Mar. 18.
Cable tension regulator. H. J. Knaggs and G. H. Hufferd. 2,417,504; Mar. 18.
Cam engine. E. S. Hall. 2,417,487; Mar. 18.
Camera, X-ray goniometer. D. McLachlan, Jr. 2,417,657; Mar. 18.
Cap: *See*—
  Tire inflation indicator valve cap.
Car bodies, Constructing stub axle. H. H. Pancake and C. G. Smith. 2,417,779; Mar. 18.
Carburetor. H. A. Carlson and O. J. Eickmann. 2,417,734; Mar. 18.
Carrier: *See*—
  Bottle carrier.
  Portable carrier.
Cart, Foldable golf bag transporting. J. Batlle. 2,417,727; Mar. 18.
Carton having combined top closure and pouring spout, Paper. O. H. Hultin. 2,417,498; Mar. 18.
Carton, Reclosing. R. Guyer. 2,417,550; Mar. 18.
Case: *See*—
  Shipping and display case.
Centerless grinding machine. C. W. Hopkins. 2,417,413; Mar. 18.
Centrifuge for separating liquids from gases and heavy impurities. A. E. Flowers. 2,417,747; Mar. 18.
Chair. W. Overdick. 2,417,439; Mar. 18.
Chair supporting structure. E. C. Booth. 2,417,733; Mar. 18.
Chamber, Combustion. B. Pinkel. 2,417,445; Mar. 18.
Chassis, Truck trailer. C. B. Fischbach. 2,417,640; Mar. 18.
Choke for gun barrels, Automatic variable. K. Whedon. 2,417,721; Mar. 18.
Chuck, Gear. J. R. and R. P. Garrison. 2,417,409; Mar. 18.
Cigarette dispenser. A. Campos. 2,417,631; Mar. 18.
Circuit: *See*—
  Counting circuit.
  Impedance matching circuit.
  Multivibrator circuit.
  Potentiometer circuit.
Circuit breaker. A. H. Baylis. 2,417,728; Mar. 18.
Circuit for gaseous discharge tubes. I. R. Dosio. 2,417,742; Mar. 18.
Clamp for stretching presses. P. E. Flowers. 2,417,478; Mar. 18.
Clamping device, Sheet. F. W. Storck and P. T. Trueman. 2,417,572; Mar. 18.
Clarifier, Sewage. H. T. Jeffery. 2,417,688; Mar. 18.
Cleaner: *See*—
  Phonographic record cleaner.
  Windshield cleaner.
Clock, International time and day. J. E. Lewis. 2,417,695; Mar. 18.
Closure, Sealing screw. T. H. Risk. 2,417,703; Mar. 18.
Clothesline reel. P. G. Damstra. 2,417,587; Mar. 18.
Comminuting device, Vegetable and fruit. J. M. Newman. 2,417,564; Mar. 18.
Computer, Fire control. T. L. Gottier. 2,417,549; Mar. 18.
Conductor for high frequency-currents, Low-loss. J. Slepian. 2,417,785; Mar. 18.
Confection. E. Friedman. 2,417,480; Mar. 18.
Container: *See*—
  Hermetically sealed container.
  Metal container.
  Refuse collecting container.
Control and differential gear drive for lawn mowers, Electric motor. J. M. Radabaugh. 2,417,613; Mar. 18.
Control apparatus. J. H. Broadbent and J. A. Lofgren. 2,417,407; Mar. 18.
Control apparatus for reversible motors. F. R. Farrow, Jr. 2,417,593; Mar. 18.
Control device. M. G. Leonard. 2,417,768; Mar. 18.
Control for airplanes, Combined flight and ground. D. R. Zuck. 2,417,725; Mar. 18.
Control mechanism, Reeling. E. G. Parvin. 2,417,780; Mar. 18.
Control system. L. J. Hibbard. 2,417,754; Mar. 18.
Control system, Fluid operated. J. J. Slomer. 2,417,524; Mar. 18.
Control system for dynamometers, Quick response. R. L. Findley and J. R. Wrathall. 2,417,745; Mar. 18.
Control system for fuel burners, Safety. C. K. Strobel. 2,417,667; Mar. 18.
Control system, Plural series alternating current motor. L. J. Hibbard. 2,417,755; Mar. 18.
Converter system. P. J. Walsh. 2,417,622; Mar. 18.
Conveyer for coating machines, Rotary. R. S. Dorff. 2,417,472; Mar. 18.
Conveyer frame structure. F. J. Cozzoli. 2,417,633; Mar. 18.

Conveyer mechanism, Can arranging. C. M. Hesson. 2,417,753; Mar. 18.
Conveyor, Chain. K. F. Wrangell. 2,417,723; Mar. 18.
Cooling and internal-combustion engine. A. L. M. A. Rouy. 2,417,448; Mar. 18.
Cooling device of internal combustion engines. G. Levesque du Rostu. 2,417,591; Mar. 18.
Cooling fin structure. W. B. Bronander. 2,417,629; Mar. 18.
Cotton, Bleaching. S. M. Rogers. 2,417,570; Mar. 18.
Counting circuit. R. F. Massonneau. 2,417,427; Mar. 18.
Coupling: *See*—
  Flexible drive coupling.
  Pipe coupling.
  Split packing ring coupling.
  Valved pipe coupling.
Craft, Lifesaving. G. W. Leyde. 2,417,508; Mar. 18.
Crystalline olefin-nitrosyl chloride addition products and making them. L. J. Beckham. 2,417,675; Mar. 18.
Curtain ring. E. Yellin. 2,417,623; Mar. 18.
Cutter and peeler, Food. B. T. Fielder. 2,417,475; Mar. 18.
Cutting machine, Fur. J. T. Maigis. 2,417,771; Mar. 18.
Cyanuric chloride, Preparing. W. N. Oldham. 2,417,659; Mar. 18.
Dental appliance. L. H. Hamilton. 2,417,682; Mar. 18.
Detector for frequency modulated signals. J. C. Tellier. 2,417,717; Mar. 18.
Detention screen. F. R. E. Smith and L. E. Willett. 2,417,711; Mar. 18.
Device for classifying objects according to weight. F. W. Gilchrist, D. B. Kendall, and R. O. Bradley. 2,417,642; Mar. 18.
Device for killing rodents by electricity. W. E. Lake. 2,417,601; Mar. 18.
Device for oven doors, Stop. H. M. Reeves. 2,417,521; Mar. 18.
Device for printing elements and the like, Predetermined register. W. C. Huebner. 2,417,496; Mar. 18.
Device for reciprocating pump rods. L. P. Heiman. 2,417,411; Mar. 18.
Device for rotary pumps, Compensating. J. B. Parsons. 2,417,701; Mar. 18.
Device for sewing machines, Work channeling. C. A. Newhall. 2,417,516; Mar. 18.
Device for sliding doors, Lifting. F. Ditchfield. 2,417,471; Mar. 18.
Device for stopping motors, Auxiliary. M. N. Yardeny, R. Bernas, and L. Kardorff. 2,417,795; Mar. 18.
Device for windows and the like, Antirattler. E. C. Lyons. 2,417,656; Mar. 18.
Device to facilitate mounting specimens on microscope slides. A. H. Longstreet. 2,417,802; Mar. 18.
Digger with power lift, Potato. A. E. Young. 2,417,580; Mar. 18.
Dioxanes, Preparing. K. H. Engel. 2,417,548; Mar. 18.
Disk spring assembly. H. J. Stewart. 2,417,715; Mar. 18.
Dispenser: *See*—
  Cigarette dispenser.
Dispensing apparatus. R. G. Birr. 2,417,731; Mar. 18.
Display card. A. M. Cohan. 2,417,677; Mar. 18.
Draft control mechanism. G. A. Short. 2,417,571; Mar. 18.
Draft gear. W. E. Gray. 2,417,410; Mar. 18.
Drawbar unit. D. E. Hallner. 2,417,646; Mar. 18.
Drive for sewing machines, Motor. M. G. Ivandick. 2,417,417; Mar. 18.
Dyestuffs with ortho hydroxy carboxylic acid chromium complexes, Chroming. A. Conzetti and O. Schmid. 2,417,735; Mar. 18.
Dynamoelectric machine. A. C. Hugin. 2,417,686; Mar. 18.
Electric air circuit breaker. W. G. Harlow. 2,417,683; Mar. 18.
Electric resistance butt welding longitudinal seam edges of a tubular blank and apparatus therefor, Method of progressively. J. R. Fleche. 2,417,594; Mar. 18.
Electric switch. M. G. Leonard. 2,417,767; Mar. 18.
Electrical conductor. D. T. Mowry. 2,417,608; Mar. 18.
Electrical hair removing instrument. T. Weiser. 2,417,530; Mar. 18.
Electrical system. K. J. Stiefel. 2,417,452; Mar. 18.
Electrical terminal connection. G. A. Tinnerman. 2,417,718; Mar. 18.
Electrode. W. W. Eitel and J. A. McCullough. 2,417,458; Mar. 18.
Electrode for electron tube and making same, Non-emissive. W. W. Eitel and J. A. McCullough. 2,417,460; Mar. 18.
Electrode holder. T. S. Donnelly. 2,417,547; Mar. 18.
Electromagnetic switch. J. F. O'Brien and E. S. Boynton. 2,417,438; Mar. 18.
Electron discharge device. R. W. Sears. 2,417,450; Mar. 18.
Electron discharge device and associated circuit. S. Hill. 2,417,551; Mar. 18.
Electronic commutator. D. S. Muzzey, Jr., and R. Du W. Miller. 2,417,609; Mar. 18.
Engine: *See*—
  Cam engine.
  Cooling and internal-combustion engine.
  Internal-combustion engine.
  Two-stroke internal-combustion engine.
Engine heating cover system. J. N. Ditzler, C. and H. D. Oberdorfer. 2,417,636; Mar. 18.
Ethylated aromatic compounds, Synthesis of. B. B. Corson and L. J. Brady. 2,417,454; Mar. 18.
Ethylene chlorohydrin from higher chlorohydrins, Separation of. J. R. Heard, Jr. 2,417,685; Mar. 18.
Excitation system. C. Lynn. 2,417,770; Mar. 18.
Fairlead, Adjustable. W. M. Scarborough. 2,417,706; Mar. 18.
Fender, Cultivator. C. L. Hill. 2,417,597; Mar. 18.
Fermentation process. C. Weizmann. 2,417,801; Mar. 18.
Finger grip expandable garment hanger. L. B. Harris and V. R. Pascale. 2,417,684; Mar. 18.
Firearm sight. W. L. Swartz. 2,417,716; Mar. 18.
Fishing reel mechanism. R. and R. B. Bland. 2,417,732; Mar. 18.
Flexible drive coupling. E. N. Natkins. 2,417,436; Mar. 18.
Fluid control valve. J. J. Slomer. 2,417,709; Mar. 18.
Furnace for the production of carbon black. P. H. Mitchell and S. Malcolm. 2,417,606; Mar. 18.
Fuse and switch unit. H. W. Kline. 2,417,692; Mar. 18.
Game, Aerial projectile. H. F. Rothe. 2,417,615; Mar. 18.
Game or toy. B. E. Norvell. 2,417,565; Mar. 18.
Gate. E. J. Bopp. 2,417,540; Mar. 18.
Gate for centrifugal casting molds. G. A. Rubissow. 2,417,663; Mar. 18.
Gear: *See*—
  Draft gear.
Gear for trailers, Landing. C. G. Seyferth. 2,417,619; Mar. 18.
Gelatin layers, Production of. O. Stein. 2,417,713; Mar. 18.
Generator: *See*—
  Smoke generator.
Grease, Manufacture of. H. G. Houlton. 2,417,495; Mar. 18.
Greases, Complex basic soap. L. W. McLennan. 2,417,429; Mar. 18.
Grinder for gate valve inserts. L. C. Culp. 2,417,737; Mar. 18.
Grinding machine. R. L. Bazley. 2,417,729; Mar. 18.
Guard, Machine tool way. J. B. Armitage. 2,417,671; Mar. 18.
Guard, Needle latch. O. Fregeolle. 2,417,479; Mar. 18.
Guard structure, Way. J. B. Armitage. 2,417,672; Mar. 18.
Guider, Cloth. J. D. Robertson. 2,417,447; Mar. 18.
Gun valve mechanism, Air. C. A. DeGiers. 2,417,546; Mar. 18.
Gyro devices, Stabilizing. F. P. Strother. 2,417,573; Mar. 18.
Gyroscopic attitude indicator. H. C. Wendt. 2,417,720; Mar. 18.
Gyroscopic device. F. V. Johnson. 2,417,689; Mar. 18.
Handle for paper bags, Detachable. H. P. Botts. 2,417,465; Mar. 18.
Hanger: *See*—
  Finger grip expandable garment hanger.
Harvesting mechanism. C. C. Jackson. 2,417,500; Mar. 18.
Hat. H. F. Ryniker. 2,417,616; Mar. 18.
Heat exchangers having flattened tubes, Assembling. J. G. Rosales. 2,417,661; Mar. 18.
Heater: *See*—
  Internal-combustion heater.
Heater having means for diverting and igniting a fuel air mixture. H. J. De N. McCollum. 2,417,604; Mar 18.
Hermetically sealed container. C. H. Larson. 2,417,764; Mar. 18.
Hitch for tractors, Implement. R. Heath. 2,417,595; Mar. 18.
Hitch, Tractor. H. E. Altgelt. 2,417,624; Mar. 18.
Holder: *See*—
  Electrode holder.
Hydraulic piston return stop. V. A. Finley. 2,417,476; Mar. 18.
Hydraulic separation of solids. W. L. Remick. 2,417,660; Mar. 18.
Hydrocarbon oils, Conversion of. W. J. Sweeney. 2,417,527; Mar. 18.
Hydrocarbon treatment. E. C. Hughes. 2,417,415; Mar. 18.
Hydrocarbons, Copolymer of vinyl aromatic. D. T. Mowry. 2,417,607; Mar. 18.
Hydrocarbons, Isomerizing. S. H. McAllister, C. C. Crawford, and W. E. Ross. 2,417,698; Mar. 18.
Hydrogen fluoride-hydrocarbon mixtures at constant rate, Distillation of. R. E. Vinyard. 2,417,669; Mar. 18.
Impedance matching circuit. P.. S. Carter. 2,417,542; Mar. 18.

- Indicator: *See—*
  - Automobile headlight signal indicator.
  - Gyroscopic attitude indicator.
- Indicator for frequency shift carrier telegraph systems, Tuning. R. S. Chapin. 2,417,543; Mar. 18.
- Inhalator. S. V. Johnson. 2,417,759; Mar. 18.
- Insulation, Heat. C. G. Munters. 2,417,435; Mar. 18.
- Insulation, Slot. P. E. Fletcher. 2,417,746; Mar. 18.
- Internal-combustion engine. C. S. Johansen and M. R. G. Teisen. 2,417,648; Mar. 18.
- Internal-combustion heater. H. J. De N. McCollum. 2,417,603; Mar. 18.
- Isomerizing hydrocarbons. S. H. McAllister, C. C. Crawford, and W. E. Ross. 2,417,698; Mar. 18.
- Jig. Flexible drill. T. F. Aronson. 2,417,539; Mar. 18.
- Joint: *See—*
  - Universal fluid joint.
- Joint for tubes, rods and the like. J. F. Le Van. 2,417,654; Mar. 18.
- Joint ring. M. G. Leonard and J. A. Guidosh. 2,417,769; Mar. 18.
- Keyboard for musical instruments. F. A. Firestone. 2,417,639; Mar. 18.
- Laminated structures, Making. P. Crosley, III. 2,417,586; Mar. 18.
- Leather product, Artificial. F. J. Bellac. 2,417,405; Mar. 18.
- Lifter and carrier, Bottle. T. W. Mullen. 2,417,775; Mar. 18.
- Lifting and pulling mechanism. S. Hinchcliffe. 2,417,492; Mar. 18.
- Lighter construction. A. Campos. 2,417,630; Mar. 18.
- Liquids by subjecting successively confined portions of said liquid to supersonic vibrations and simultaneously bubbling oxygen through said confined portions, Purification of. I. Wolff. 2,417,722; Mar. 18.
- Loading attachment. Tractor. G. G. McNamara, Jr. 2,417,560; Mar. 18.
- Locator and gauge. Rivet hole. L. Frank. 2,417,681; Mar. 18.
- Locking and sealing means. Casket. G. C. Hillenbrand. 2,417,756; Mar. 18.
- Locking device for accounting machines. R. J. Moser. 2,417,563; Mar. 18.
- Locking device for aviation trainers. W. D. Jones. 2,417,554; Mar. 18.
- Log bundling apparatus. L. Nichols. 2,417,658; Mar. 18.
- Lubricant. J. R. Morris. 2,417,562; Mar. 18.
- Lubricants. L. W. McLennan. 2,417,430–2; Mar. 18.
- Lubricating composition. L. W. McLennan. 2,417,428; Mar. 18.
- Lubricating composition. L. W. McLennan. 2,417,433; Mar. 18.
- Lunch box. B. C. and E. O. Clark. 2,417,632; Mar. 18.
- Machine for finishing heels. E. Froustey. 2,417,481; Mar. 18.
- Machine for testing and assorting resistance elements. S. L. Handforth and C. R. Johnson. 2,417,488; Mar. 18.
- Machine having direct connected exciter with separately housed brush rigging, Hydrogen cooled. E. I. Pollard and A. M. Harrison. 2,417,783; Mar. 18.
- Magnetron anode structure. P. L. Spencer. 2,417,789; Mar. 18.
- Manipulatable servicing support. A. W. Kurtz. 2,417,422; Mar. 18.
- Mat, Hinged road. W. E. White. 2,417,578; Mar. 18.
- Material handling apparatus. C. C. Coleman. 2,417,544; Mar. 18.
- Mechanical stop device. E. D. Mead and F. M. Thomas. 2,417,434; Mar. 18.
- Mechanism for presses, Operating. I. Patrick. 2,417,781; Mar. 18.
- Mechanism for rail and other wheeled vehicles, Stabilizing. C. K. Steins and W. M. Keller. 2,417,526; Mar. 18.
- Metal container. W. F. Bayne. 2,417,464; Mar. 18.
- Metals from their oxides, Production of. R. D. Pike. 2,417,444; Mar. 18.
- Methyl acrylate, Preparation of. H. J. Hagemeyer, Jr. 2,417,748; Mar. 18.
- Mixer: *See—*
  - Porous disc type gas mixer.
- Mounting: *See—*
  - Piezoelectric crystal mounting.
  - Pulley mounting.
- Mounting for rotary cranes. Hook roller. F. B. Ray. 2,417,567; Mar. 18.
- Mounting for textile mill spindles. H. Gleitz, P. I. Thyreen, and C. E. Miller. 2,417,485; Mar. 18.
- Multivibrator circuit. E. R. Shenk. 2,417,522; Mar. 18.
- Naphthenes and paraffins in a hydrocarbon mixture, Isomerizing. S. H. McAllister and C. C. Crawford. 2,417,699; Mar. 18.
- Newspapers, Facilitating the wrapping and tying of bundles of. C. O. Gneuhs. 2,417,643; Mar. 18.
- Nitrogen, Method of and apparatus for manufacturing. A. W. Laird and G. J. Maxson. 2,417,558; Mar. 18.
- Nozzle construction. J. R. Hagemann and J. A. Johnson. 2,417,486; Mar. 18.
- Nozzle, Fireman's. C. H. Lindsay. 2,417,655; Mar. 18.
- Nut, Gland. D. A. Seaver. 2,417,799; Mar. 18.
- Nut removing tool. E. M. Hoff. 2,417,757; Mar. 18.
- Oil pump. A. Feroy. 2,417,474; Mar. 18.
- Oils, Removing impurities from. H. C. Eddy. 2,417,637; Mar. 18.
- Olefinic nitriles by dehydration with acetic anhydride, Preparation of. H. J. Hagemeyer, Jr. 2,417,749; Mar. 18.
- 1,2,3,4-tetrahydro-6-alkoxy-8-(omega-dialkyl-amino) quinolines and their preparation. H. J. Barber and W. R. Wragg. 2,417,726; Mar. 18.
- Optical objectives. A. Cox. 2,417,736; Mar. 18.
- Pad: *See—*
  - Sanding pad.
- Pants. T. B. Terry. 2,417,529; Mar. 18.
- Paper box. B. H. Lengsfield. 2,417,653; Mar. 18.
- Pastry glazing machine. P. F. Ratcliffe. 2,417,614; Mar. 18.
- Petroleum emulsions, Breaking. M. De Groote. 2,417,738-40; Mar. 18.
- Phonographic record cleaner. C. E. and U. S. Disser. 2,417,590; Mar. 18.
- Photographic images, Producing colored. H. T. Neumann. 2,417,514; Mar. 18.
- Piano action. F. C. Socin. 2,417,666; Mar. 18.
- Piezoelectric crystal mounting. W. P. Mason. 2,417,426; Mar. 18.
- Pipe coupling. P. D. Wurzburger. 2,417,536; Mar. 18.
- Piston expander. W. J. Six. 2,417,665; Mar. 18.
- Piston rings, Manufacturing. H. P. Phillips. 2,417,610; Mar. 18.
- Plant for melting ice and preventing ice formation. B. O. E. Persson and E. Forslind. 2,417,519; Mar. 18.
- Plastic article. A. B. McGinnis. 2,417,510; Mar. 18.
- Plastic coating from a metal article, Removing. V. J. Canziani and F. W. Stellwagen. 2,417,468; Mar. 18.
- Porous disc type gas mixer. C. C. Anthes. 2,417,670; Mar. 18.
- Portable carrier. S. R. Koolnis. 2,417,421; Mar. 18.
- Position regulation system. W. Schaelchlin and E. Frisch. 2,417,784; Mar. 18.
- Potentiometer circuit. C. A. Lovell and J. F. Müller. 2,417,425; Mar. 18.
- Potentiometer circuit. D. B. Parkinson. 2,417,442; Mar. 18.
- Power lift device. A. E. Young. 2,417,579; Mar. 18.
- Power take-off device for railway cars. C. L. Moorman and R. M. Burnett. 2,417,561; Mar. 18.
- Preselecting mechanism. A. C. Ten Cate and W. C. Agerell. 2,417,528; Mar. 18.
- Press. E. G. Loomis. 2,417,697; Mar. 18.
- Press forging wrench sockets and the like, Method of and apparatus for. H. T. M. Rice. 2,417,569; Mar. 18.
- Press having a die cushion, Punch. H. B. Werner. 2,417,794; Mar. 18.
- Projectile, Fusion. W. Nicholas. 2,417,437; Mar. 18.
- Projection system, Color image. E. H. Traub. 2,417,621; Mar. 18.
- Propeller, Nonicing. R. H. Hasler. 2,417,647; Mar. 18.
- Pulley mounting. J. G. Bryant. 2,417,467; Mar. 18.
- Pump: *See—*
  - Oil pump.
  - Rotary vane type pump.
- Pump. F. E. Brady, Jr. 2,417,627; Mar. 18.
- Punch device. J. Egowin. 2,417,638; Mar. 18.
- Race handicapping device. W. Wahrt. 2,417,719; Mar. 18.
- Radio carrier telephone system. L. A. Kelley. 2,417,555; Mar. 18.
- Ratchet means. A. M. Larkin. 2,417,602; Mar. 18.
- Reaction products of an aldehyde and a triazine derivative. G. F. D'Alelio. 2,417,679; Mar. 18.
- Reel: *See—*
  - Clothesline reel.
- Refuse collecting container. H. Linde. 2,417,696; Mar. 18.
- Regulator: *See—*
  - Cable tension regulator.
- Relay. M. G. Leonard. 2,417,765; Mar. 18.
- Relay, Mercury switch. C. H. Larson. 2,417,763; Mar. 18.
- Relay, Rotating contactor. W. F. Soffel. 2,417,788; Mar. 18.
- Remote control system. A. P. Davis and G. Agins. 2,417,588; Mar. 18.
- Ring: *See—*
  - Curtain ring.
  - Joint ring.
- Ring release mechanism, Blocking. J. B. Polomski. 2,417,566; Mar. 18.
- Rivet bucking bar. J. E. Hewes. 2,417,490; Mar. 18.
- Rod and pipe clamp, Pump. W. S. Wilkinson. 2,417,533; Mar. 18.
- Rotary abrading tool. E. W. Hall. 2,417,645; Mar. 18.
- Rotary vane type pump. G. E. Reilich. 2,417,568; Mar. 18.
- Rubber, Chemical modification of. G. H. Latham. 2,417,424; Mar. 18.
- Salts, Preparation of guanidine. J. H. Paden and L. C. Lane, Jr. 2,417,441; Mar. 18.
- Salts, Preparation of guanidine. J. H. Paden and A. F. MacLean. 2,417,440; Mar. 18.
- Sanding pad. A. G. Decker. 2,417,680; Mar. 18.
- Scraper, Utensil and plate. F. A. Cahill. 2,417,585; Mar. 18.

- Screen: *See—*
  - Detention screen.
- Screen for use in air conditioning conduits, Flameproof. J. W. Ford. 2,417,408; Mar. 18.
- Seal for radial flow turbines or compressors. P. G. Lange. 2,417,693; Mar. 18.
- Seal, Weather. S. J. Czerwicznik. 2,417,470; Mar. 18.
- Seat adjuster. E. G. Simpson. 2,417,523; Mar. 18.
- Securing means for antiskid devices. W. A. Hayes. 2,417,752; Mar. 18.
- Seed for solvent extraction, Flaking sunflower. E. Levin. 2,417,507; Mar. 18.
- Separator: *See—*
  - Belt type solid separator.
- Separator for semi-fixed ammunitions, Shell. E. W. De Moore. 2,417,457; Mar. 18.
- Shield or protector, Pocket. H. Smith. 2,417,786; Mar. 18.
- Shipping and display case. J. E. Sacks. 2,417,705; Mar. 18.
- Shockproof electromagnetic device. R. B. Immel. 2,417,758; Mar. 18.
- Shoe construction. E. C. Neunuebel. 2,417,776; Mar. 18.
- Shutter, Focal plane. L. W. Gacki. 2,417,482; Mar. 18.
- Signal. J. N. Paul. 2,417,443; Mar. 18.
- Signal translating apparatus. R. Snepvangers. 2,417,712; Mar. 18.
- Silica-beryllia gel. A. C. Schmitt. 2,417,664; Mar. 18.
- Slicing machine. E. Schuchardt. 2,417,617; Mar. 18.
- Smoke generator. M. Dwyer. 2,417,592; Mar. 18.
- Snap-action device. W. S. Kunzler. 2,417,652; Mar. 18.
- Snubbing means. G. E. Dath. 2,417,545; Mar. 18.
- Socket, Electric lamp. W. E. Patterson. 2,417,518; Mar. 18.
- Socket, Handle coupling. J. M. Patterson. 2,417,517; Mar. 18.
- Solenoid for torpedoes, Steering. M. G. Leonard. 2,417,766; Mar. 18.
- Sorting machine, Card. N. S. Welk. 2,417,531; Mar. 18.
- Sound recording and reproducing machines. J. M. Kuhlik. 2,417,651; Mar. 18.
- Spectrometer, Mass. J. A. Hipple, Jr. 2,417,797; Mar. 18.
- Spectroscopic source unit. M. F. Hasler and R. W. Lindhurst. 2,417,489; Mar. 18.
- Speed control valve. R. D. Bennett. 2,417,583; Mar. 18.
- Spindle for spinning or twisting yarn, Cap holding. J. S. Smith. 2,417,525; Mar. 18.
- Split packing ring coupling. S. V. Dillon. 2,417,741; Mar. 18.
- Staple, Double ended. J. C. Lang. 2,417,423; Mar. 18.
- Starch product and the like and inhibitor and preparing the inhibitor, Noncongealing. H. T. Neumann. 2,417,515; Mar. 18.
- Starch product, Making insoluble. G. G. Pierson. 2,417,611; Mar. 18.
- Starter for electric motors. E. P. Smith. 2,417,710; Mar. 18.
- Stereotelevision and television range finding. F. W. Reynolds. 2,417,446; Mar. 18.
- Sterilizer for surgical instruments. E. S. Blocher. 2,417,626; Mar. 18.
- Stock feeding device. J. T. Gifford and P. O. Esmay. 2,417,484; Mar. 18.
- Stripping arrangement for dies, Universal. C. L. Hornberger. 2,417,414; Mar. 18.
- Support: *See—*
  - Manipulatable servicing support.
- Surge valve mechanism. J. C. Shaw. 2,417,708; Mar. 18.
- Suspension, Tandem trailer. G. Keller, Jr. 2,417,690; Mar. 18.
- Suture package. E. Themak. 2,417,574; Mar. 18.
- Switch: *See—*
  - Electric switch.
  - Electromagnetic switch.
- System for doctor blade control in paper making machines, Electrical. E. L. Happ. 2,417,796; Mar. 18.
- System for portable rubbing machines, Lubricating. S. A. Crosby. 2,417,469; Mar. 18.
- System for using the scanning beam of light for instruments. G. V. Rylsky. 2,417,704; Mar. 18.
- Tank for salvaging aeroplanes, Military. G. Provenzano. 2,417,612; Mar. 18.
- Target. F. W. Schaffner. 2,417,451; Mar. 18.
- Temperature controlling system. N. Erland af Kleen. 2,417,761; Mar. 18.
- Terminal block. N. Knapp, Jr. 2,417,420; Mar. 18.
- Terpene ethers. R. F. B. Cox. 2,417,455; Mar. 18.
- Textile materials which are sensitive towards water, Production of. J. G. Williams and L. Krause. 2,417,535; Mar. 18.
- Textile product, Producing a. W. Wade. 2,417,453; Mar. 18.
- Textile softening with nitrogen containing linear ester polymer. J. Nelles, O. Bayer, W. Tischbein, and F. Baehren. 2,417,513; Mar. 18.
- Therapeutic bath. F. W. Ille. 2,417,499; Mar. 18.
- Thermal-retarder for electric water heaters, Thermal reluctance rod. C. M. Osterheld. 2,417,778; Mar. 18.
- Thread grinding machine. G. Stewart, G. Brinkmann, and H. N. Seyferth. 2,417,714; Mar. 18.
- Ticket issuing machine. R. H. Helsel. 2,417,596; Mar. 18.
- Timer. C. Fischer. 2,417,641; Mar. 18.
- Tire inflation indicator valve cap. P. Rubin. 2,417,449; Mar. 18.
- Tire treads, Manufacture of pneumatic. N. H. Brewer. 2,417,466; Mar. 18.
- Tool: *See—*
  - Nut removing tool.
  - Rotary abrading tool.
- Tool for magnetic lifting. S. Koller. 2,417,762; Mar. 18.
- Tool for removing connectors from treads. W. L. Crosby. 2,417,456; Mar. 18.
- Torch, Cutting. C. Kandel. 2,417,650; Mar. 18.
- Torch cutting machines. C. Mott, A. F. Chouinard, and J. F. Dove. 2,417,511; Mar. 18.
- Toy rocker. E. L. Scott. 2,417,618; Mar. 18.
- Trailer. F. L. Stockwell. 2,417,790; Mar. 18.
- Transmission, Change-speed. H. D. Burkhalter, Jr. 2,417,406; Mar. 18.
- Tray for ampule washing machines, Dripless. F. J. Cozzoli. 2,417,634; Mar. 18.
- Tree, Shoe. Z. Desrosiers. 2,417,589; Mar. 18.
- Tricalcium phosphate for improving fluorine adsorptiveness, Treatment of. H. Adler. 2,417,462; Mar. 18.
- Trimming apparatus. A. P. Kramer. 2,417,556; Mar. 18.
- Truck, Hand. F. B. Graham. 2,417,644; Mar. 18.
- Truck, Hand. N. Jensen. 2,417,553; Mar. 18.
- Truck, Railway car. C. D. Barrett and C. R. Whitehead. 2,417,674; Mar. 18.
- Tube and electrode for the same, Electron. W. W. Eitel and J. A. McCullough. 2,417,459; Mar. 18.
- Tube and making same, Electron. G. A. Becker. 2,417,461; Mar. 18.
- Tube and making same, Electron. G. A. Becker. 2,417,730; Mar. 18.
- Tubing, Collapsible. A. E. Chernack. 2,417,676; Mar. 18.
- Turbine, Multistage radial flow. W. B. Jutte. 2,417,600; Mar. 18.
- Turret locking mechanism. C. E. Miller. 2,417,605; Mar. 18.
- Two-stroke internal combustion engine. C. S. Johansen and M. R. G. Teisen. 2,417,649; Mar. 18.
- Undergarment, Lady's. H. Dorfman. 2,417,473; Mar. 18.
- Undershirts, Making athletic or. F. J. Brisker. 2,417,628; Mar. 18.
- Universal fluid joint. T. C. Hill. 2,417,491; Mar. 18.
- Unloading and loading apparatus. E. B. McCarty. 2,417,700; Mar. 18.
- Valve: *See—*
  - Fluid control valve.
  - Speed control valve.
- Valve control mechanism. T. F. Van Denberg and J. Selby. 2,417,577; Mar. 18.
- Valve end seal. S. C. Hoof. 2,417,494; Mar. 18.
- Valved pipe coupling. D. F. Geiger and G. C. True. 2,417,483; Mar. 18.
- Vane for aerial bomb fuses, Arming. J. M. King, L. F. Young, A. E. Reinhard, and F. Schultze. 2,417,418; Mar. 18.
- Vibratory massage device. J. Eldredge and J. F. Novak. 2,417,744; Mar. 18.
- Viscous protein solutions for the production of artificial filaments, Manufacture of. R. H. K. Thomson and S. R. Swift. 2,417,576; Mar. 18.
- Vise, Fluid pressure operated. G. F. Bates. 2,417,625; Mar. 18.
- Vitamin B_6 intermediates. G. H. Carlson and F. J. Pilgrim. 2,417,541; Mar. 18.
- Washing and cleaning machine. G. Kuhn. 2,417,557; Mar. 18.
- Wearing apparel, Article of. H. E. Smith. 2,417,787; Mar. 18.
- Winch. H. D. Kadz. 2,417,502; Mar. 18.
- Windshield cleaner. M. Thomson. 2,417,575; Mar. 18.
- Window control, Auto. W. S. Wilkison. 2,417,534; Mar. 18.
- Wood for the rapid maturation of whiskey and other alcoholic liquors and wines, Processing. E. T. Krebs. 2,417,505; Mar. 18.
- Work handling apparatus. R. E. Cox. 2,417,678; Mar. 18.
- Wrench for shielded spark plugs. J. P. Jones. 2,417,598; Mar. 18.
- Wringer, Mop. G. V. Hutchins. 2,417,416; Mar. 18.

CLASSIFICATION OF PATENTS

ISSUED MARCH 18, 1947

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

2— 42: 2,417,687
48: 2,417,787
113: 2,417,628
181: 2,417,616
224: 2,417,473
227: 2,417,529
250: 2,417,786
4— 180: 2,417,499
8— 108: 2,417,570
130: 2,417,535
9— 3: 2,417,508
15: 2,417,658
12—128.5: 2,417,589
15— 98: 2,417,620
159: 2,417,750
236: 2,417,585
250: 2,417,575
261: 2,417,416
16— 87.2: 2,417,623
99: 2,417,471
18— 2.4: 2,417,751
19— 65: 2,417,599
20— 68: 2,417,470
21— 87: 2,417,626
22— 65: 2,417,663
87: 2,417,673
23— 91: 2,417,772
109: 2,417,462
259.5: 2,417,606
24— 250: 2,417,478
26— 67: 2,417,447
28— 73: 2,417,453
29— 37: 2,417,605
157.3: 2,417,661
165: 2,417,779
288: 2,417,422
33— 58: 2,417,716
184.5: 2,417,496
204: 2,417,720
35— 12: 2,417,554
59: 2,417,677
36— 12: 2,417,776
37— 144: 2,417,520
159: 2,417,595
39— 79: 2,417,540
42— 79: 2,417,721
43— 99: 2,417,601
44— 57: 2,417,415
46— 47: 2,417,565
179: 2,417,480
51— 95: 2,417,707
2,417,714
103: 2,417,413
111: 2,417,737
122: 2,417,729
170: 2,417,469
189: 2,417,680
193: 2,417,645
217: 2,417,409
297: 2,417,419
304: 2,417,800
309: Re.22,854
55— 51: 2,417,580
56— 327: 2,417,500
57— 130: 2,417,525
135: 2,417,485
58— 44: 2,417,695

59— 7: 2,417,456
60— 41: 2,417,486
61— 1: 2,417,519
62— 3: 2,417,582
64— 14: 2,417,436
66— 14: 2,417,479
96: 2,417,509
67— 7.1: 2,417,630
68— 27: 2,417,557
69— 25: 2,417,771
72— 109: 2,417,578
73— 116: 2,417,745
390: 2,417,449
74— 5: 2,417,573
2,417,689
13: 2,417,561
37: 2,417,411
100: 2,417,652
190.5: 2,417,406
230.1: 2,417,467
233: 2,417,512
289: 2,417,579
501: 2,417,504
75— 3: 2,417,493
91: 2,417,444
76— 114: 2,417,569
77— 62: 2,417,539
78— 39: 2,417,781
46: 2,417,681
53.5: 2,417,490
81— 17: 2,417,625
18: 2,417,533
55: 2,417,757
125: 2,417,598
84— 240: 2,417,666
428: 2,417,639
85— 49: 2,417,423
86— 1: 2,417,457
88— 24: 2,417,704
40: 2,417,802
57: 2,417,736
91— 2: 2,417,614
18: 2,417,798
53: 2,417,481
92— 74: 2,417,796
93— 2: 2,417,643
95— 5.6: 2,417,713
57: 2,417,482
88: 2,417,514
97— 188: 2,417,597
98— 33: 2,417,408
99— 48: 2,417,505
80: 2,417,507
100— 31: 2,417,503
70: 2,417,697
101— 132: 2,417,572
102— 81.2: 2,417,418
90: 2,417,437
2,417,592
103— 38: 2,417,474
113: 2,417,627
126: 2,417,701
136: 2,417,568
105— 164: 2,417,526
193: 2,417,674
106— 154: 2,417,576
107— 22: 2,417,617

112— 45: 2,417,516
220: 2,417,417
113— 45: 2,417,794
112: 2,417,662
114— 20: 2,417,767
23: 2,417,766
25: 2,417,768
117— 73: 2,417,405
139.5: 2,417,513
119— 53.5: 2,417,484
123— 51: 2,417,648
2,417,649
58: 2,417,487
173: 2,417,448
174: 2,417,591
124— 35: 2,417,791
126— 110: 2,417,636
198: 2,417,521
128— 57: 2,417,744
185: 2,417,759
303.13: 2,417,530
129— 16.1: 2,417,531
132— 91: 2,417,682
134— 28: 2,417,468
104: 2,417,634
138— 51: 2,417,676
139— 184: 2,417,668
146— 37: 2,417,475
177: 2,417,564
148— 10: 2,417,610
21.5: 2,417,760
152— 237: 2,417,752
154— 14: 2,417,466
45: 2,417,435
110: 2,417,586
155— 14: 2,417,523
117: 2,417,439
194: 2,417,733
158— 27.4: 2,417,670
28: 2,417,603
2,417,604
117.1: 2,417,577
2,417,667
160— 353: 2,417,711
161— 15: 2,417,549
23: 2,417,641
164— 10.6: 2,417,556
49: 2,417,596
110: 2,417,414
119: 2,417,638
167— 78: 2,417,777
171— 97: 2,417,452
119: 2,417,754
206: 2,417,538
2,417,746
223: 2,417,770
229: 2,417,425
2,417,442
252: 2,417,783
325: 2,417,702
327: 2,417,426
172— 8: 2,417,765
179: 2,417,524
2,417,755
2,417,795
239: 2,417,407
2,417,588

172— 239: 2,417,784
240: 2,417,593
288: 2,417,710
173— 324: 2,417,718
328: 2,417,518
174— 121: 2,417,608
153: 2,417,552
175— 298: 2,417,420
320: 2,417,427
341: 2,417,438
363: 2,417,609
2,417,622
177— 329: 2,417,443
178— 5.4: 2,417,621
6.5: 2,417,446
7.1: 2,417,506
44: 2,417,542
2,417,785
66: 2,417,543
179—100.41: 2,417,712
180— 19: 2,417,613
188— 79.5: 2,417,476
81: 2,417,602
104: 2,417,686
149: 2,417,694
192— 53: 2,417,566
142: 2,417,528
143: 2,417,434
195— 33: 2,417,801
36: 2,417,584
196— 49: 2,417,527
197— 189: 2,417,532
198— 23: 2,417,782
31: 2,417,753
200: 2,417,723
210: 2,417,472
200— 48: Re.22,853
87: 2,417,758
105: 2,417,788
109: 2,417,728
112: 2,417,763
113.5: 2,417,724
114: 2,417,692
147: 2,417,683
152: 2,417,764
202— 40: 2,417,669
204— 190: 2,417,637
205— 16: 2,417,780
206— 4: 2,417,632
8: 2,417,705
58: 2,417,497
63.3: 2,417,574
209— 12: 2,417,660
81: 2,417,488
121: 2,417,642
428: 2,417,477
210— 1: 2,417,722
55: 2,417,688
213— 34: 2,417,410
214— 1: 2,417,678
65.4: 2,417,644
67: 2,417,696
85: 2,417,612
140: 2,417,544
2,417,560
215— 43: 2,417,510
219— 6: 2,417,594

219— 8: 2,417,547
15: 2,417,650
39: 2,417,778
220— 20: 2,417,464
39: 2,417,703
223— 95: 2,417,684
224— 45: 2,417,421
2,417,774
229— 17: 2,417,498
2,417,550
35: 2,417,653
54: 2,417,465
233— 29: 2,417,747
235— 79.5: 2,417,719
130: 2,417,563
236— 34: 2,417,708
45: 2,417,571
237— 43: 2,417,463
242— 84.1: 2,417,732
101: 2,417,587
244— 42: 2,417,691
83: 2,417,725
134: 2,417,647
248— 23: 2,417,633
250— 9: 2,417,555
27: 2,417,717
27.5: 2,417,459
2,417,797
33: 2,417,793
36: 2,417,522
52: 2,417,657
177: 2,417,458
2,417,460
2,417,461
251— 134: 2,417,546
152: 2,417,583
160: 2,417,494
252— 32: 2,417,495
32.7: 2,417,562
35: 2,417,428
36: 2,417,429
39: 2,417,432
40.7: 2,417,430
2,417,431
2,417,433
311: 2,417,515
317: 2,417,664
342: 2,417,738
2,417,739
2,417,740
253— 69: 2,417,693
79: 2,417,600
254— 167: 2,417,492
185: 2,417,502
190: 2,417,706
257— 3: 2,417,761
261: 2,417,629
260— 42: 2,417,679
86: 2,417,607
147: 2,417,735
209: 2,417,611
248: 2,417,659
288: 2,417,726
295.5: 2,417,541
338: 2,417,548
348.6: 2,417,685
464: 2,417,635

260— 464: 2,417,749
482: 2,417,773
486: 2,417,748
501: 2,417,440
2,417,441
611: 2,417,455
647: 2,417,675
666: 2,417,699
671: 2,417,454
676: 2,417,698
768: 2,417,424
2,417,792
261— 34: 2,417,734
78: 2,417,743
263— 10: 2,417,558
19: 2,417,445
266— 23: 2,417,412
2,417,511
267— 1: 2,417,581
2,417,715
9: 2,417,545
268— 125: 2,417,534
271— 2.3: 2,417,731
272— 56: 2,417,618
273— 95: 2,417,615
102: 2,417,451
274— 11: 2,417,651
47: 2,417,590
279— 9: 2,417,517
280— 33.1: 2,417,619
2,417,640
33.14: 2,417,646
33.44: 2,417,624
38: 2,417,727
54: 2,417,553
104.5: 2,417,690
116: 2,417,790
284— 19: 2,417,483
285— 91: 2,417,491
122: 2,417,536
130: 2,417,769
194: 2,417,741
286— 35: 2,417,799
287— 54: 2,417,654
292— 157: 2,417,756
343: 2,417,656
294— 65.5: 2,417,762
87: 2,417,775
299— 131: 2,417,655
302— 23: 2,417,700
303— 54: 2,417,709
308— 3.5: 2,417,671
2,417,672
217: 2,417,559
222: 2,417,567
309— 12: 2,417,665
312— 48: 2,417,631
55: 2,417,537
315— 5: 2,417,551
21: 2,417,450
40: 2,417,789
82: 2,417,501
172: 2,417,489
228: 2,417,742
316— 19: 2,417,730

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,417,409: 51—217
2,417,419: 51—297
2,417,422: 29—288
2,417,440: 260—501
2,417,441: 260—501
2,417,446: 178—6.5

2,417,478: 24—250
2,417,530: 128—303.13
2,417,553: 280—54
2,417,558: 263—10
2,417,582: 62—3
2,417,586: 154—110

2,417,592: 102—90
2,417,633: 248—23
2,417,634: 134—104
2,417,636: 126—110
2,417,640: 280—33.1
2,417,657: 250—52

2,417,674: 105—193
2,417,693: 253—69
2,417,694: 188—149
2,417,698: 260—676
2,417,727: 280—38

2,417,730: 316—19
2,417,735: 260—147
2,417,738: 252—342
2,417,739: 252—342
2,417,740: 252—342

2,417,754: 171—119
2,417,773: 260—482
2,417,784: 172—239
2,417,789: 315—40
2,417,797: 250—27.5

Classification of Designs

D 3— 4: Des. 146,471
Des. 146,472
D31— 3: Des. 146,489
4: Des. 146,488
D34— 2: Des. 146,483
5: Des. 146,460
D34— 5: Des. 146,492
15: Des. 146,465
D35— 3: Des. 146,466
Des. 146,484
D42— 7: Des. 146,491
D44—29: Des. 146,485
D44—29: Des. 146,493
D45— 4: Des. 146,474
Des. 146,475
Des. 146,476
Des. 146,477
Des. 146,478
D45— 4: Des. 146,479
Des. 146,480
9: Des. 146,464
16: Des. 146,462
Des. 146,463
19: Des. 146,461
D45—19: Des. 146,467
Des. 146,468
Des. 146,482
D48—20: Des. 146,490
D52— 3: Des. 146,469
D57— 1: Des. 146,487
D69— 1: Des. 146,459
D74— 1: Des. 146,473
7: Des. 146,481
13: Des. 146,470
D90—20: Des. 146,486

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DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

W. B. Roddenbery Co.
v.
Kalich

No. 5,225. Decided December 9, 1946
[— F.(2d) —; 72 USPQ 138]

1. Trade-Marks—Goods of the Same Descriptive Properties.

Fresh lettuce *Held* to be goods of the same descriptive properties as cane syrup, pickles, pickle relish, table syrup, and peanut butter.

2. Same—Same.

"Lettuce is sold by the same people to the same customers who purchase pickles and pickle relish and peanut butter. All of the commodities are of vegetable origin. The seller of pickles would seem to have the right to extend its trade-mark, in the natural extension of its business, to green cucumbers and other articles, raised, marketed, advertised, and sold by the same people to the same class of customers."

3. Same—Dominant Portion.

In appellee's composite mark, consisting of a pictorial representation of a small boy, with big patches on the seat of his pants, looking over a large patch of lettuce, with the words "Big Patch" in large letters at the top of the enclosed indicia, the word "Patch" *Held* to be the dominant portion and "the principal feature of the mark which would serve the purpose of designating the origin of the goods."

4. Same—Same—Words Accompanied by Pictorial Indicia.

"This and other courts have frequently said that in the case of a trade-mark which consists of words accompanied by other pictorial indicia the portion of the mark which would be likely to indicate origin would be the words used and that this is particularly true in these times when resort is so frequently made to radio advertising."

Appeal from the Patent Office. Reversed.

Mr. A. W. Murray for W. B. Roddenbery Co.

Messrs. Jackson, Webster & Read (*Mr. Wm. G. MacKay* and *Mr. Chas. R. Allen* of counsel) for Kalich.

Bland, *J.*:

The appellant, W. B. Roddenbery Co. (hereinafter referred to as Roddenbery), has appealed here from the decision of the Commissioner of Patents, 65 USPQ 254, overruling that of the Examiner of Trade-Mark Interferences which sustained Roddenbery's notice of opposition to appellee Kalich's application for the registration of the notation "Big Patch" as a trade-mark which, as applied for, was for fresh vegetables. The notice of opposition was based upon Roddenbery's use of its registered trade-marks, "Cane Patch" for cane syrup, "Pickle Patch" as applied to pickles and pickle relish, and "Patch" for table syrup and peanut butter.

The Examiner held, among other things, that since the applicant's goods and Roddenbery's goods were all food products there would be likelihood of confusion. This is obviously true, because "fresh vegetables" would include cucumbers and other vegetables to be pickled and confusion might result.

The Examiner's decision was rendered on July 6, 1944. On July 27, 1944, Kalich sought to amend her application by substituting for the language used the following: "Fresh vegetables—namely, fresh lettuce." On July 31, 1944, after appeal had been taken to the Commissioner by Kalich on July 28, 1944, the Examiner overruled the motion to amend on the ground that since the final hearing was had on June 29, 1944, and decision was rendered on July 6, 1944, and the motion was filed subsequent to the decision it was therefore untimely and involved "merely piecemeal prosecution."

The Commissioner in his decision on April 28, 1945, permitted the amendment and regarded the application as being confined to a trade-mark use of the term "Big Patch" on fresh lettuce and reversed the decision of the Examiner, stating:

> In the absence of the amendment to the application * * *, I should be inclined to agree with the Examiner of interferences that applicant's goode include some items having the same descriptive properties as pickles; for there are certain fresh vegetables from which pickles and pickle relish are made. But so far as I am aware, lettuce is never used for that purpose.

Roddenbery in this court has assigned error against the action of the Commissioner in entering the amendment, which, to say the least, seems to us to be a rather unusual proceeding. However, we prefer to base our decision upon the merits of the controversy even if Kalich's application must be confined to lettuce alone.

[1][2] That fresh lettuce and the food products sold under the trade-marks of Roddenbery are of the same descriptive properties we have no doubt, under well-settled decisions of this and other courts. It is generally understood that modern practices in dealing in food products involve the production, advertising, and selling of many different products of varied descriptions under a single trade-mark. This is also true of drugs and certain other articles. By reason of this practice, the purchasing public of these articles are probably more likely to be confused by virtue of the similarity of trade-marks. Lettuce is sold by the same people to the same customers who purchase pickles and pickle relish and

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peanut butter. All of the commodities are of vegetable origin. The seller of pickles would seem to have the right to extend its trade-mark, in the natural extension of its business, to green cucumbers and other articles, raised, marketed, advertised, and sold by the same people to the same class of customers.

In *California Packing Corporation* v. *Tillman & Bendel, Inc.*, 17 C. C. P. A. (Patents) 1048, 40 F.(2d) 108, 5 USPQ 59, 394 O. G. 789, this court, when it first began to exercise its jurisdiction in appeals from the Patent Office in trade-mark matters, early recognized this growing tendency on the part of the big handlers of food products and held that if coffee, particularly in one-pound cans, were sold from the same shelves by the same people to the same class of customers along with "Del Monte" fruits and vegetables confusion would be likely to result and the purchaser probably would be misled as to the origin of the merchandise. There we cited the case of *Yale Electric Co.* v. *Robertson*, 26 F.(2d) 972, to the effect that there must "be enough disparity in character between the goods of the first and second users as to insure against confusion."

Also cited in the *California Packing Corporation* case was the case of *The E. I. Palmer Co.* v. *Nashua Manufacturing Co.*, 17 C. C. P. A. (Patents) 583, 34 F.(2d) 1002, 3 USPQ 46, 389 O. G. 533, which was a decision by this court following the ruling in *California Packing Corporation* v. *Price-Booker Mfg. Co.*, 285 Fed. 993, 52 App. D. C. 259, 308 O. G. 451, where it was stated:

> Whenever it appears that confusion might result it is because the goods have the same descriptive properties.

Numerous cases decided by this court subsequent to the holdings referred to supra followed the principles laid down in those cases, and we think most of them are clearly in point in the decision of the instant issue. In *Cheek-Neal Coffee Company, Maxwell House Products Company, Inc. (Substituted Opposer)*, v. *Hal Dick Manufacturing Company*, 17 C. C. P. A. (Patents) 1103, 40 F.(2d) 106, 5 USPQ 55, 395 O. G. 10, it was held that horse-radish, olive spread, and similar goods were of the same descriptive properties as coffee and tea. In *Raffaele Martorelli, Etc.*, v. *The Atlantic Macaroni Company, Inc.*, 27 C. C. P. A. (Patents) 1171, 111 F.(2d) 494, 45 USPQ 431, 520 O. G. 531, this court affirmed the decision appealed from which held that canned peeled tomatoes and tomato paste, fish preserved in oil, canned vegetables, rice, coffee and tea were goods of the same descriptive properties as macaroni, vermicelli and noodles.

The following cases are cited in support of our conclusion herein: *Sun-Maid Raisin Growers of California* v. *American Grocer Company*, 17 C. C. P. A. (Patents) 1034, 40 F.(2d) 116, 5 USPQ 68, 395 O. G. 3; *National Biscuit Co.* v. *Joseph W. Sheridan*, 18 C. C. P. A. (Patents) 720, 44 F.(2d) 987, 7 USPQ 117, 402 O. G. 4; *Revere Sugar Refinery* v. *Joseph G. Salvato*, 18 C. C. P. A. (Patents) 1121, 48 F.(2d) 400, 8 USPQ 547, 409 O. G. 562; *Noll* v. *Krembs*, 22 C. C. P. A. (Patents) 722, 73 F.(2d) 491, 23 USPQ 282, 450 O. G. 503; *California Prune & Apricot Growers Association* v. *Dobry Flour Mills, Inc.*, 26 C. C. P. A. (Patents) 910, 101 F.(2d) 838, 40 USPQ 616; 504 O. G. 292; *General Foods Corporation* v. *Casein Company of America, Inc.*, 27 C. C. P. A. (Patents) 797, 108 F.(2d) 261, 44 USPQ 33; 515 O. G. 562; *The William S. Merrell Co.* v. *The Anacin Co.*, 27 C. C. P. A. (Patents) 847, 109 F.(2d) 339, 44 USPQ 366, 516 O. G. 3; *White House Milk Products Co., Etc.*, v. *Dwinell-Wright Co.*, 27 C. C. P. A. (Patents) 1194, 111 F.(2d) 490, 45 USPQ 444, 520 O. G. 266; *Dwinell-Wright Co.* v. *Gundlach, Etc.*, 28 C. C. P. A. (Patents) 1348, 121 F.(2d) 639, 50 USPQ 141, 531 O. G. 802.

[3][4] Kalich here stresses the fact that the mark for the registration of which her application was filed is a composite mark consisting of a pictorial representation of a small boy, with big patches on the seat of his pants, looking over a large patch of lettuce, with the words "Big Patch" in large letters at the top of the enclosed indicia and that there being a difference in the goods and a difference in the marks there is no likelihood of confusion, and cites a number of cases in which this court, in holding that there was non-likelihood of confusion, emphasized the fact that the marks and goods were different. This and other courts have frequently said that in the case of a trade-mark which consists of words accompanied by other pictorial indicia the portion of the mark which would be likely to indicate origin would be the words used and that this is particularly true in these times when resort is so frequently made to radio advertising. In the instant case it is obvious that the word "Patch" is the principal feature of the mark which would serve the purpose of designating the origin of the goods. Kalich has here taken this dominant feature of the mark and applied it to goods in such a way, we think, as to promote the possibility of confusion as to the origin thereof.

The decision of the Commissioner, for the reasons stated, is reversed.

Reversed.

PATENT SUITS

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,474,613, M. W. Arrowood, Feeding powder fuel; Re. 17,427 (of 1,598,842), 1,831,087, same, Apparatus for handling powdered fuel; Re. 17,908 (of 1,617,510), same, Furnace and method of burning fuel; 1,838,521, same, Apparatus for and method of feeding powdered fuel; 1,856,902, same, Apparatus for burning powdered fuel, D. C., S. D. N. Y., Doc. 31/796, *M. W. Arrowood* v. *The Symington-Gould Corp.* Order dismissing amended complaint and action (notice Jan. 31, 1947).

1,577,821, W. P. Campbell, Stabilizing device, D. C., S. D. N. Y., Doc. 20/171, *Anti-Shimmie Mfg. Co.* v. *Kestar, Inc.* Judgment favor of plaintiff Feb. 6, 1947.

1,598,842. (See 1,474,613.) 1,617,510. (See 1,474,613.)

1,831,087. (See 1,474,613.) 1,838,521. (See 1,474,613.)

1,855,991, 2,054,340, Re. 19,151, P. K. Saunders, Diaphragm valve, filed Feb. 7, 1947, D. C., N. D. Ill., E. Div., Doc. 47c262, *Saunders Valve Co. of America, Inc.*, v. *Climax Industries, Inc.*

1,856,902. (See 1,474,613.)

1,943,890, Gibson & Rohlin, Method of and apparatus for heating and degasifying liquids; 2,047,291, 2,047,292, V. A. Rohlin, Water purifying and degasifying apparatus, D. C., N. D. Ill., E. Div., Doc. 46c1825; *Cochrane Corp.* v. *The Lehon Co. et al.* Cause dismissed without prejudice Feb. 12, 1947.

2,047,291. (See 1,943,890.) 2,047,292. (See 1,943,890.)

2,050,870, C. Weidauer, Pinking shears, filed Feb. 6, 1947, D. C., S. D. N. Y., Doc. 40/157, *Pinking Shears Corp.* v. *Griffon Cutlery Works, Inc.*

2,054,340. (See 1,855,991.)

2,068,108, T. A. Owen, Sand testing tool, filed Feb. 1, 1947, D. C., S. D. Tex. (Corpus Christi), Doc. 458, *T. A. Owen* v. *McCullough Tool Co.*

2,069,395, H. E. Tautz, Safety shield, D. C., E. D. Wis. (Milwaukee), Doc. 1238, *Rockwell Mfg. Co.* v. *The E. L. Essley Machinery Co. et al.* Claims 6, 7, and 8 held valid and infringed, injunction Feb. 4, 1947.

2,106,905, W. B. Barnes, Overspeed drive no back, lock-out; 2,225,493, same, Automatic transmission shift; 2,255,020, same, Vacuum control for transmission; 2,403,781, same, Overdrive, D. C., E. D. Mich., S. Div., Doc. 5879, *Barnes Motor Developments Co.* v. *Chrysler Corp.* Dismissed by stipulation under rule 41 (notice Feb. 5, 1947).

2,161,657, G. B. Hansburg, Combined chair and table for infants, filed Feb. 4, 1947, D. C., S. D. N. Y., Doc. 40/136, *Metropolis Bending Co. et al.* v. *Ivel Corp. et al.*

2,192,479, J. P. Nissen, Jr., Implement for applying fluid and semi-paste materials, filed Feb. 7, 1947, D. C., N. D. Ill., E. Div., Doc. 47c265, *Reynolds Pen Co.* v. *Marshall Field & Co.*

2,225,493. (See 2,106,905.)

2,240,906, C. Harold, Power unit for amusement device and the like, filed Feb. 3, 1947, D. C., N. D. Ill., E. Div., Doc. 47c230, *J. B. Tigrett et al.* v. *F. W. Woolworth & Co.* Same, filed Sept. 11, 1946, D. C., E. D. Pa., Doc. 6389, *J. B. Tigrett et al.* v. *E. Kiss et al.*

2,255,020. (See 2,106,905.)

2,294,223. (See Des. 121,783.)

2,298,543, K. Schmidt, Combination purse and billfold, D. C., S. D. Calif., C. Div., Doc. 5918–Y, *Marioness & Co., Inc.*, v. *Sandley Merchandise Co.* Patent held valid and infringed, injunction Feb. 6, 1947.

2,300,157, G. R. Hunt, Feather-picking apparatus for fowls, C. C. A., 6th Cir., Doc. 10237–10238, *The Thomas Co. et al.* v. *C. B. Mueller et al.* Judgment of district court, that claims 3 and 14 are infringed is reversed, and judgment so modified, is in all other respects affirmed Feb. 3, 1947.

2,336,291, I. L. Phillips, Method of packing perishables and package, D. C., N. D. Calif., S. Div., Doc. 24631–S, *H. A. Helme et al.* v. *Seal-Pack Corp.* Claims 2, 3, and 6 to 15 inclusive held not infringed, claims 1, 4, and 5 held invalid, counterclaim dismissed May 13, 1946.

2,403,781. (See 2,106,905.)

2,415,012, R. T. James, Toy and process of use, filed Feb. 10, 1947, D. C., E. D. Pa., Doc. 6937, *Wilkening Mfg. Co.* v. *James Industries, Inc., et al.*

Re. 17,427. (See 1,474,613.)

Re. 17,908. (See 1,474,613.)

Re. 19,151. (See 1,855,991.)

Des. 121,783, Castelli & Kesler, Shoe stand; Des. 122,073, F. C. Castelli, Swing frame; 2,294,223, same, Toy, filed Feb. 11, 1947, D. C., E. D. Pa., Doc. 6941, *F. C. Castelli Co.* v. *American Metal Specialties Corp.*

Des. 122,073. (See Des. 121,783.)

NOTICES

Disclaimers

2,354,756.—*Adolf W. Keuffel*, Montclair, and *George L. Henzel*, Lyndhurst, N. J. MEASURING TAPE. Patent dated Aug. 1, 1944. Disclaimer filed Jan. 23, 1947, by the inventors and the assignee, *Keuffel & Esser Company*.

Hereby enter this disclaimer to claims 1, 2, 3, 5, and 9 in said specification.

2,390,672.—*Harold A. Wahlstrand*, Chicago, Ill. STATION IDENTIFIER. Patent dated Dec. 11, 1945. Disclaimer filed Nov. 15, 1946, by the inventor; the assignee, *Teletype Corporation*, consenting.

Hereby enters this disclaimer to claims 13 and 15 of said Letters Patent.

2,399,553.—*Charles H. Lindsay* and *Alexander E. Weaver*, Elmira, N. Y. AIRCRAFT FIRE EXTINGUISHING SYSTEM. Patent dated Apr. 30, 1946. Disclaimer filed Feb. 18, 1947, by the assignee, *American-La France-Foamite Corporation*.

Hereby enters this disclaimer to claims 1, 4, and 10 of said patent.

Adjudicated Patent

(C. C. A. Mo.) Barrett patent, No. 2,187,962, for tool for grinding automobile brake-shoes, claims 1, 2, 13, and 14 *Held* invalid. *Koochook Co.* v. *Barrett*, 158 F.(2d) 463; 72 USPQ 27.

Notice of Cancellation

U. S. PATENT OFFICE, *Washington, D. C., Feb. 5, 1947.*

Cherlax Co., its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Ormont Drug & Chemical Co. Inc., 36—31 33rd St., Long Island City, New York, N. Y., to effect the cancellation of trade-mark registration of Cherlax Co., 1109 Elizabeth Ave., Elizabeth, N. J., No. 267,524, dated February 25, 1930, and the notice of such proceeding sent by registered mail to the said address having been returned by the post office undeliverable, notice is hereby given that unless said Cherlax Co., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Public Law 690

Reciprocity With Switzerland, Sections 1 and 3

U. S. Patent Office, *Washington 25, D. C., Feb. 26, 1947.*

The Swiss Government has advised the Department of State that the Swiss Decree of the Federal Council dated June 25, 1941, is applied by the Swiss Patent Office to American nationals, and that American nationals are and will be granted the extension of the period of priority, without requiring proof that the delay in filing applications for patents was caused by the war, and the other extensions provided for, up to August 8, 1947.

The United States Patent Office will accordingly apply sections 1 and 3 of Public Law 690 to citizens of Switzerland.

LESLIE FRAZER,
First Assistant Commissioner.

Public Law 690

Reciprocity With Norway, Section 3

U. S. Patent Office, *Washington 25, D. C., Feb. 26, 1947.*

The Department of State has been advised by the Norwegian Government that the Norwegian laws of March 15, 1940, and May 3, 1946, extending, up to May 8, 1947, various times in connection with patents and patent applications, etc., apply to American citizens with respect to the extension of times mentioned, except that relating to extension of the period of priority. The United States Patent Office will accordingly apply section 3 of Public Law 690 to citizens of Norway.

Reciprocity in connection with section 1 of Public Law 690 is not yet determined.

LESLIE FRAZER,
First Assistant Commissioner.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,410,239. Airplane. Patented Oct. 29, 1946. Airplane utilizes two sets of wings: a "speed" wing designed to support the plane in flight, and an additional "high lift" wing to carry the bulk of load in take-offs and landings. The "high lift" wings are foldable and during flight they may be stored within the streamlined form of the fuselage to eliminate their drag and make possible exceptionally high speeds. The "speed" wings are short, stubby wings having a long base chord, short span and low camber. The "high lift" wings are preferably of greater area and higher camber to supply the additional lift needed during take-offs until sufficient lift at high speed is attained. (Owner) Carl Roe, 108 Second St., Ithaca, N. Y. Group 37—22. Reg. No. 5,225.

Pat. 2,387,032. Knife. Patented Oct. 16, 1945. Thumb of user is protected during dicing of vegetables and the like by a guard mounted in the path of the knife blade and pivotally secured to the handle. In use, the vegetable between guard and blade is severed by thumb pressure on the guard. By spring means within the handle the guard is automatically urged away by release of pressure so that the remaining portions of the vegetables may be advanced. (Owner) Robert W. Lowry, 3344 South West Primrose St., Portland, Oreg. Group 33—51. Reg. No. 5,226.

Pat. 2,209,729. Game. Patented July 30, 1940. Game is played according to adapted bowling or baseball rules, etc. Equipment provided includes a compactable, padded U-shaped backstop and an "alley," the latter being reversible so that it may be shifted to facilitate the playing of either game. The "alley" may be dispensed with in the event that any smooth surface is available. The pins are then set on plates having openings in accordance with the game played. Game may be played indoors or outside. (Owner) Emil E. Hornung, 842 Laurel St., Jacksonville 8, Fla. Group 39—49. Reg. No. 5,227.

Pat. 2,295,174. Grinder and Slicer. Patented Sept. 8, 1942. Machine for grinding crackers, nuts, toasted bread and like materials. Similar in appearance to the conventional meat grinder, this device consists of a horizontal barrel in combination with an inner rotatable tubular divider having a bladded or ribbed surface. Fine particles of food pass through openings between the blades. The coarser particles remain in the space between the barrel and divider and may be removed through a spout at the front end. The finer particles emerge from small front openings as the inner cylinder is rotated. (Owner) Emil E. Hornung, 842 Laurel St., Jacksonville 8, Fla. Groups 33—73; 35—51; 40. Reg. No. 5,228.

Des. 123,596. Design for a Base for a Table Centerpiece. Patented Nov. 19, 1940. (Owner) Emil E. Hornung, 842 Laurel St., Jacksonville 8, Fla. Group 40. Reg. No. 5,229.

Pat. 2,403,494. Rear Hub and Axle Assembly for Floating Axles. Patented July 9, 1946. One object of this invention is to eliminate a plurality of stud bolts for connecting a floating axle and hub assembly together. The axle has a cross head with segmental flanges extending inwardly parallel with the axle. The hub has a countersink and a bore shaped to interlockingly engage the cross head. A cap seals the connection between the axle and hub. Two stud bolts anchored in the hub hold the hub, axle and cap in assembled relation. (Owner) Edward J. Bourgeois, 40 Walnut St., Burlington, Vt. Group 38—31. Reg. No. 5,230.

Pat. 2,361,754. Base Exchange Bodies and the Preparation of the Same. Patented Oct. 31, 1944. A high capacity sulfonated base exchange material for softening water, prepared at ordinary temperatures by sulfonation of Bakelite or other phenyl-formaldehyde resinous scrap material with sulfuric acid. Inventor claims the product can be regenerated with salt or acid solution without any substantial loss of capacity. (Owner) Rolland McFarland, Jr. Address correspondence to Edward H. Lang, 35 East Wacker Drive, Chicago 1, Ill. Group 28—34. Reg. No. 5,231.

Pat. 2,409,019. Template. Patented Oct. 8, 1946. Tool used for drafting and plotting purposes comprises a rectangular plate and a removable blade or tongue. The plate has a transversely extending dovetail groove on one face and a protractor scale on the opposite face. Outer end of blade is graduated in inches and inner end is pointed. The tool may be used as a square or to draw parallel lines by inserting the blade into the groove. By pivotally connecting the blade to the face opposite the groove, any desired angle may be obtained through the medium of the protractor. (Owner) Marion S. Cree, P. O. Box 37, Washington, Pa. Groups 33—52; 35—65. Reg. No. 5,232.

Pat. 2,406,124. Display Character. Patented Aug. 20, 1946. This patent relates to the formation of letters or numerals for signs or other advertising purposes. The character is cut from a block of wood, molded plastic, metal or any suitable material so that the front and back surfaces are alike and the area between the two surfaces beveled. When light is thrown on the character the areas receiving maximum illumination are sharply contrasted against those receiving less illumination so that the

thickness of the block is emphasized and a strong shadow-like effect is obtained. (Owner) Anthony Zicke, 208 San Diego Ave., Lomita Park, Calif. Group 39—93. Reg. No. 5,233.

Pat. 2,407,439. Automotive Gas Tank Cover Switch. Patented Sept. 10, 1946. Alarm device is intended to prevent tampering with the cap of an automobile gasoline tank. A cone-shaped attachment on the tank cap engages a plunger-switch which extends across the neck of the tank to maintain an open circuit. The horn sounds when the cap is removed since a movable contact carried by the plunger engages a second contact connected to a grounded horn or other signalling means. An additional switch is provided so that the horn may be inactivated. The device is applicable to any storage tank. (Owner) Obie E. Olson, 115 East College St., Sandwich, Ill. Group 38—31. Reg. No. 5,234.

Pat. 2,186,739. Treatment of Fibrous Materials to Make Them Resistant to Mildew. Patented Jan. 9, 1940. A composition of various substances, particularly salicyl-anilide, is highly effective for long periods of time when applied to various textile fabrics and other materials for protection against mildew. Ingredients and methods are given in patent. Any data of manufacture and application thereof to fabrics is available. Has been in use in England. (Owner) F. T. Metcalf, % Wilson, Gunn & Ellis, 54/56 Market St., Manchester 1, England. Group 28—89. Reg. No. 5,235.

Pat. 2,329,910. Pulverizing Mill. Patented Sept. 21, 1943. Centrifugal type of impact pulverizing mill for reducing soap, resins, beans, etc. to powder. The machine has a cylindrical chamber vertically mounted upon a box-like base with a hopper and motor at top of chamber. A cylindrical screen or sieve is positioned within the chamber. A vertical shaft with a series of beater arms is mounted for rotation inside the screen. The screen has rubber or other resilient packing at each end so that it will vibrate during operation of the machine and aid in keeping it clean and reducing noise. A bag may be attached to lower end of screen to collect coarse material for reintroduction into machine. The screen and beater assembly may be quickly removed for cleaning or replacement. The machine has been marketed in England and detailed manufacturing and engineering information are available from owner. (Owner) Stanley Johnson, % Wilson, Gunn & Ellis, 54/56 Market St., Manchester 1, England. Groups 28—31; 35—51—59. Reg. No. 5,236.

Pat. 1,977,402. Detachable Clamp. Patented Oct. 16, 1934. Detachable clamp may be used to connect a cable to a battery terminal post without the use of bolts or other threaded elements. It comprises a pair of separable, arcuate clamping sections for engaging the post and a hexagonal ring or annulus which fits around the two sections. The two separable sections, which taper downwardly, and the ring have cooperating cams. When the ring is turned the cams of the ring wedgingly slide beneath the cams on the sections moving the ring downwardly thereby forcing the sections to tightly grip the post. (Owner) Arthur R. Peglar, 2221 East Fifth Ave., Columbus, Ohio. Group 35—69. Reg. No. 5,237.

Pat. 2,409,935. Cigarette Maker. Patented Oct. 22, 1946. Pocket size device has a trough-shaped base (closed at both ends) with arcuate cigarette shaping and compressing plates hinged at opposite sides of the trough. A third similar plate is hinged to one of the other plates. After paper and tobacco have been placed in the device the three plates are moved to closed position to form the cigarette. The double section is then opened to permit moistening of the exposed edge of the cigarette paper and then reclosed. Both plates are opened to remove cigarette. (Owner) Arnie J. Hongo, McNeal, Ariz. Groups 33—73; 40. Reg. No. 5,238.

Pat. 2,122,415. Gun. Patented July 5, 1938. The object of this invention is to provide a gun for training purposes. Gun must be held in proper position before the trigger can be released from locked position. The stock and barrel of the gun are normally out of alignment, the stock being capable of both longitudinal and rotative movement with respect to the barrel. When the gun is properly held, shoulder pressure moves the stock longitudinally and cheek pressure turns the stock slightly to bring it into alignment with the barrel, such combined movements releasing the trigger from locked position. (Owner) Alice S. Fraser, Paynes Corner, Woodbridge, New Haven, Conn. Group 33—97. Reg. No. 5,239.

Pat. 2,195,499. Process of Metal Coating. Patented Apr. 2, 1940. This patent covers a process of electroplating iron or steel so that the coatings adhere more closely to the article being plated. The article is first coated with copper and then with a harder metal such as chromium. It is then heated for a short time at a temperature high enough to fuse the copper so that it is bonded to both the base metal and the over plating. After cooling, a third plating may be applied and the article polished. (Owner) Joseph K. Schofield, Charter Oak Blvd., West Hartford, Conn. Group 37—42. Reg. No. 5,240.

Pat. 2,408,795. Control Means for Fluid Pressure Motors. Patented Oct. 8, 1946. A control for varying the stroke of a piston of a double-acting fluid pressure motor. The control may be rendered inoperative so that the piston will operate for a full stroke in usual manner. An elongated control cylinder (parallel with the power cylinder) has a rotatably adjustable piston valve which reciprocates in unison with the power piston. The piston valve has a longitudinally extending diagonal groove on its outer surface and conduits connect the ends of the power cylinder with the intermediate portion of the control cylinder. The piston valve (normally inoperative) may be rotatably adjusted, the degree of rotation determining the point of registry of the groove with the aforementioned conduits to relieve pressure in the power cylinder, thereby limiting the stroke of the power piston. Two conduits from control cylinder lead to a fluid reservoir. (Owner) John F. McGlone, 1432 1st Ave., San Diego 1, Calif. Group 35—69. Reg. No. 5,241.

Pat. 2,409,537. Excessive Speed Exhibitor. Patented Oct. 15, 1946. Device operatively connected to the cable of a speedometer (and wired to vehicle horn) will sound a warning when a predetermined speed is reached or slightly exceeded. If this speed is further exceeded beyond a slight margin, an annulus in the device will be rotated one step to expose the numeral "1" in a window, thus providing a permanent record to show that the vehicle has been driven at excessive speed. Other numerals on the annulus may be similarly exposed if more than one violation occurs. The device may be adjusted (and sealed) so that when various predetermined speeds are reached or exceeded, centrifugal force will act upon a pair of arms to cause the device to become operative. A modification is shown. (Owner) John W. Bright, 919 South Vermont Ave., Los Angeles 6, Calif. Group 38—31. Reg. No. 5,242.

Pat. 2,408,165. Fluorescent Switch Starter. Patented Sept. 24, 1946. A casing encloses a snap switch and a starter switch operatively connected together and actuated by a single handle or push lever. When the lever is thrown and held at an extreme position both switches are simultaneously actuated and closed. The starter switch will remain closed only so long as the lever is held at this extreme position. When the lever is released it will spring back a short distance thereby opening the starter switch without disturbing the snap switch. (Owner) Luther A. Harrawood, Broughton, Ill. Group 36—19. Reg. No. 5,243.

Pat. 2,407,464. Trailer Hitch. Patented Sept. 10, 1946. A ball and socket structure is utilized as a connector between a motor vehicle and trailer. Can be quickly connected or disconnected without the use of a wrench or other tools. A ball is attached to the towing vehicle and a box-like housing attached to trailer has a pair of hingedly connected blocks provided with recesses to engage the ball. One of the blocks is pivotally mounted on a pin between the two side walls of the housing. A releasable keeper engages one of the blocks and retains both blocks within the housing. The structure is not subject to locking by accumulations of ice or mud. Permits all necessary movement between the two vehicles without increasing strain on any parts of the assembly. (Owner) Alfred W. Wilson, 610 Princess St., New Westminster, British Columbia, Canada. Group 38—31—41. Reg. No. 5,244.

Pat. 2,393,813. Hand Generator. Patented Jan. 29, 1946. Pocket size generator of the magneto type, adapted to be operated by hand, is especially designed for boosting the current of model airplane gasoline engines. Device is easily attached and detached. All operating parts, with the exception of a crank, are enclosed in a case. The crank is foldable into a groove in a small Z-shaped plate on the case. The case has no projecting parts so that it may be readily carried in a pocket (Owner) Francis J. Roggan, 320 Tremaine Ave., Kenmore 17, N. Y. Groups 36—41; 37—22. Reg. No. 5,245.

Pat. 1,800,249. Metal-Casting Process and Apparatus. Patented Apr. 14, 1931. This patent relates to metal casting apparatus particularly adapted to casting refractory metals and alloys into bodies of different sizes, shapes and mixtures. During the casting of an alloy steel, for example, the process consists of adding a protective metalloid coating to the steel and forcing a slag of puddling characteristics through the steel for cooling purposes. The metal body cast is free of cavities due to unequal contraction, large crystals, blow holes, internal stresses, and other faults usually associated with casting processes. (Owner) Martin E. Evans, 205 6th Ave., Brooklyn, N. Y. Group 33—12. Reg. No. 5,246.

Pat. 1,843,666. Material Attenuation. Patented Feb. 2, 1932. The apparatus described in this patent is principally intended for wire drawing. A wire is led between friction rolls and later guided in a direction axially of the take-off drum and then directed back to the die block either exteriorly or interiorly of the take-off drum. The initial end of the wire is secured to the tail end and is thus drawn through a succeeding die. In this manner a continuous drawing operation is secured with a single drawing drum. (Owner) Martin E. Evans, 205 6th Ave., Brooklyn, N. Y. Group 33—41. Reg. No. 5,247.

Pat. 1,888,076. Wire Rope and Method of Manufacture. Patented Nov. 15, 1932. A compact and flexible cable with a relatively smooth surface. The smoothness is desirable for its wearing qualities and low abrasive action on equipment which it contacts. The desired surface is attained by a combination of keystone-shaped strands having a rounded point (in cross section). Flexibility is gained by increasing the number of strands in the outer series of strands and in the arrangement of supporting wires. (Owner) Martin E. Evans, 205 6th Ave., Brooklyn, N. Y. Group 33—41. Reg. No. 5,248.

Pat. 2,049,053. Wire Drawing Machine. Patented July 28, 1936. The wire drawing machine described in this patent consists of a self-contained unit which features individually driven wire blocks or drums capable of being driven in either direction and upon which a number of wires may be drawn simultaneously. The wire being drawn undergoes a series of successive reductions. Because the units are self-contained, any number may be assembled to form a drawing bench. Since at least a pair of wires may be drawn on a single block, only half as many units are needed as compared with the usual arrangement. (Owner) Martin E. Evans, 205 6th Ave Brooklyn, N. Y. Group 33—41. Reg. No. 5,249.

Pat. 2,152,842. Metal Attenuating Process and Apparatus. Patented Apr. 4, 1939. Groups 33—12; 34—31. Reg. No. 5,250.

Pat. 2,326,629. Metal Attenuating Process and Apparatus. Patented Aug. 10, 1943. Groups 33—12; 34—31. Reg. No. 5,251.

These two patents relate to the uniform attenuation of a duplex metal strip composed of a metal of lower strength such as aluminum or zinc over a relatively stronger base of steel or copper. In usual practice, the weaker surface layer has a tendency to spread or separate from the base because of the pressure necessary to attenuate the stronger supporting strip. In Patent 2,152,842 circumferential pressure is applied to the surface of the lower strength metal to restrain its lateral movement by a reducing die having an angular guide. In Patent 2,326,629 the surface of the stronger metal is granulated to provide traction for the weaker layer, the traction being used to propel the strip through a die in the subsequent attenuating operation. Modifications shown. (Owner) Martin E. Evans, 205 6th Ave., Brooklyn, N. Y.

Pat. 2,266,418. Metalworking Apparatus. Patented Dec. 16, 1941. This metal rolling apparatus features a relatively large roll and a number of migratory needle rolls which operate simultaneously to uniformly reduce the cross section of a metal work piece. Owner claims the structure possesses a number of advantages. The lower rate of operation reduces the heat usually associated with the rolling process; the smaller area of contact in cold metal working results in work pieces having smaller reaction stresses; and the smaller diameter of the rolls permits the needle rolls to be of greater length and accommodate work pieces of greater width than ordinarily handled. (Owner) Martin E. Evans, 205 6th Ave., Brooklyn, N. Y. Groups 33—12; 34—31. Reg. No. 5,252.

Pat. 2,374,594. Process of Metal Attenuation. Patented Apr. 24, 1945. The process broadly covers bonding a number of strips together, diminishing the thickness of the strips in a group, removing the bonding means either wholly or partially from the wires formed from the strips and the utilization of the grouped position for later processing (i. e., twisting, insulation, etc.). The process includes an arrangement of metal coating apparatus, attenuating apparatus, wire accumulating and heat treating apparatus so coordinated that the passage of the material through the series is continuous. (Owner) Martin E. Evans, 205 6th Ave., Brooklyn, N. Y. Group 33—41. Reg. No. 5,253.

TRADE-MARKS

OFFICIAL GAZETTE, MARCH 18, 1947

[Vol. 596. No. 3]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 500,706. J. N. Sharma, Los Angeles, Calif. Filed Apr. 22, 1946.

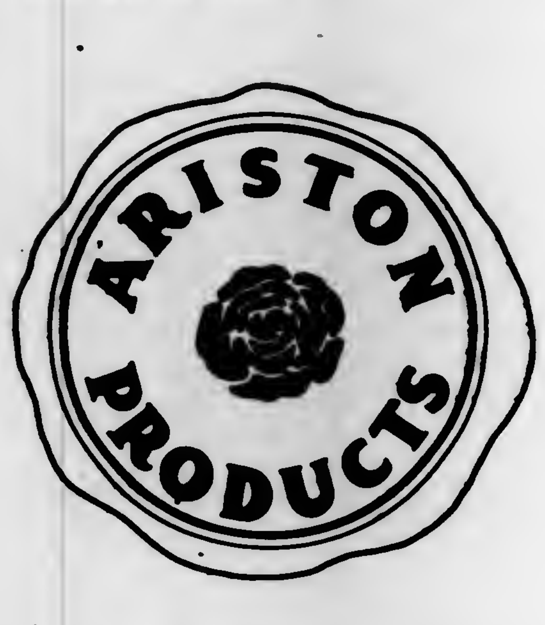
"Tw-ice"

No claim is made to the word "Ice" apart from the mark as shown, although the applicant waives no common-law rights to the same.

FOR CHEMICALLY PREPARED ICE FOR REFRIGERATION IN CONNECTION WITH FOODS.

Claims use since Apr. 13, 1946.

Ser. No. 502,115. Ariston, Incorporated, New York, N. Y. Filed May 15, 1946.



Applicant hereby disclaims any exclusive right to the outline of the label, and to the word "Products," apart from the mark as shown.

FOR NATURAL AND CULTIVATED FOLIAGE AND PLANTS.

Claims use since Apr. 26, 1946.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 509,702. Gaybrand Bags Inc., New York, N. Y. Filed Sept. 25, 1946.

DAILY
DOUBLE

FOR LADIES' HANDBAGS.

Claims use since July 15, 1946.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 468,620. Micromatic Hone Corporation, Detroit, Mich. Filed Mar. 24, 1944.

HARZ-LITE

Applicant disclaims "Harz" apart from the mark as a whole.

FOR HONING STONES.

Claims use since Feb. 1, 1944.

Ser. No. 491,550. Coronet, Inc., Detroit, Mich. Filed Nov. 14, 1945.

Custom

FOR SHOE DRESSING, BOOT CREAM, AND SHOE POLISH.

Claims use since Feb. 22, 1944.

Ser. No. 501,006. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio. Filed Apr. 26, 1946.

JOY

FOR BAR SOAP—NAMELY, FOR TOILET AND BATH.
Claims use since Mar. 15, 1945.

Ser. No. 502,661. NYLOSH CORPORATION, Boston, Mass. Filed May 23, 1946.

NyLOSH

FOR WASHING COMPOUND FOR NYLON ARTICLES OF CLOTHING.
Claims use since Apr. 15, 1946.

Ser. No. 502,691. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del. Filed May 24, 1946.

OVALCLENE

FOR DRY CLEANING FLUIDS.
Claims use since Apr. 9, 1946.

Ser. No. 503,049. BOOTONE POLISH COMPANY, INC., Lindenhurst, N. Y. Filed May 31, 1946.

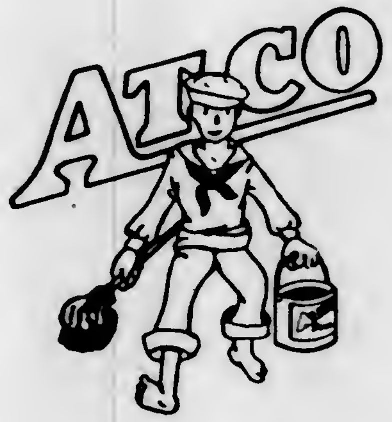
Bootone

FOR SHOE POLISH.
Claims use since July 1941.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 468,215. AMERICAN TAR COMPANY, Seattle and Spokane, Wash., Filed Mar. 11, 1944.



FOR COPPER OLEATE IN PASTE OR SOLUTION FORM, SPECIFICATION CREOSOTE, COMMERCIAL CREOSOTE OIL, AND LIGHT CREOSOTE OIL.
Claims use since on or about Mar. 1, 1922.

Ser. No. 482,989. EILEEN FRAZER HARVEY, New Milford, Conn. Filed May 4, 1945.

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RAZER ● HARVEY
NEW MILFORD, CONN.

Hellion

The name "Eileen Frazer Harvey" and the words "New Milford, Conn." are disclaimed apart from the mark.
FOR PERFUMES, TOILET WATERS, EAUX DE COLOGNES, FACE POWDER, NAIL ENAMEL, LIPSTICK, ROUGE, EYE SHADOW, SACHET POWDERS, AND FACE AND HAND LOTION.
Claims use since Feb. 15, 1945.

Ser. No. 487,473. JEAN LA CAMERA, Vincennes, France. Filed Aug. 23, 1945.

"ANTALEX„

FOR LINIMENT FOR EXTERNAL USE IN TREATING ALL DISEASES OF THE RESPIRATORY TRACT.
Claims use since Mar. 12, 1940.

Ser. No. 487,475. JEAN LA CAMERA, Vincennes, France. Filed Aug. 23, 1945.

"FLUXEX„

FOR MEDICINAL PREPARATION TO REGULATE THE CIRCULATION OF THE BLOOD, TO BE TAKEN INTERNALLY.
Claims use since Oct. 25, 1940.

Ser. No. 488,952. JACQUELINE COCHRAN, New York, N. Y. Filed Sept. 25, 1945.

nutmeg beige

Applicant hereby disclaims any exclusive right to use of the term "Beige" apart from the mark as shown.
FOR FACE POWDER.
Claims use since Aug. 27, 1945.

Ser. No. 489,628. THE UPJOHN COMPANY, Kalamazoo, Mich. Filed Oct. 8, 1945.

Di-Malcotabs

FOR A MEDICINAL PREPARATION FOR USE AS AN ANTACID AND ALKALIZER.
Claims use since Sept. 27, 1945.

Ser. No. 494,840. BLAINE J. HAAK, doing business as Rainbow Manufacturing Company, Kansas City, Mo. Filed Jan. 16, 1946.

The portrait is not that of a person.
FOR AN OINTMENT FOR THE TEMPORARY RELIEF OF THE DISCOMFORT OR ITCHING OF PILES AND MINOR RECTAL IRRITATIONS.
Claims use since Jan. 1, 1945.

Ser. No. 497,056. ZIPPO MANUFACTURING COMPANY, Bradford, Pa. Filed Feb. 21, 1946.

ZIPPO

FOR FLUID FOR PYROPHORIC LIGHTERS.
Claims use since 1936.

Ser. No. 497,706. DERMETICS, INC., New York, N. Y. Filed Mar. 6, 1946.

ACADEMY AWARD

FOR PERFUME, COLOGNE, AND TOILET WATER.
Claims use since Jan. 11, 1946.

Ser. No. 497,980. SOCIETE D'ETUDES ET D'EXPANSION DE LA PARFUMERIE DE LUXE, Paris and Asnieres, near Paris, France. Filed Mar. 9, 1946.

ROLLON

FOR PERFUMES.
Claims use since Nov. 16, 1945.

Ser. No. 500,299. GENERAL PRODUCTS CO., Brooklyn, N. Y. Filed Apr. 16, 1946.

Slick

FOR LIQUID LAUNDRY STARCH.
Claims use since Nov. 19, 1945.

Ser. No. 500,342. ACADEMY AWARD PRODUCTS, INC., New York, N. Y. Filed Apr. 17, 1946.

ACADEMY AWARD

FOR CLEANSING CREAMS, FOUNDATION CREAMS, LIQUID ALL PURPOSE CREAMS, COLD CREAMS, FACE POWDERS, PERFUMES, ASTRINGENT LIQUIDS, AND COMPACTS FILLED WITH LOOSE OR CAKED POWDERS.
Claims use since Feb. 6, 1946.

Ser. No. 500,587. THE VISHNU CORPORATION, Cleveland, Ohio. Filed Apr. 19, 1946.

VISHNU

FOR ALL PURPOSE COMPLEXION CREAMS.
Claims use since Mar. 1, 1942.

Ser. No. 500,855. CARBON DISPERSIONS INC., Newark, N. J. Filed Apr. 25, 1946.

BLACK SHIELD C-D

No claim is made to the word "Black" apart from the mark.

FOR CARBON BLACK DISPERSION COMPRISING AN INTIMATE MIXTURE OF CARBON BLACK IN WATER, OR VEGETABLE AND/OR MINERAL OILS, OR RESIN VARNISHES, OR PLASTICIZERS AND USED IN MAKING BLACK PAINT, CARBON PAPER AND FOR ROAD SURFACING.

Claims use since Jan. 4, 1946.

Ser. No. 501,059. ALFRED A. FLASTER, New York, N. Y. Filed Apr. 27, 1946.

GAY GODDESS

FOR PERFUME, TOILET WATER, EAU DE COLOGNE, AND NAIL POLISH.

Claims use since Jan. 2, 1946.

Ser. No. 501,135. LUCKY HEART LABORATORIES, INC., Memphis, Tenn. Filed Apr. 29, 1946.

DESTRO

The lining on the drawing is intended to denote the color red.

FOR INSECTICIDES, IN BOTH POWDER AND LIQUID FORM, FOR KILLING ROACHES, ANTS, FLEAS, BEDBUGS, CLOTHES MOTHS, SILVERFISH, TICKS, AND CARPET BEETLES.

Claims use since Aug. 30, 1945.

Ser. No. 501,672. PARFUM L'ORLE, INC., New York, N. Y. Filed May 8, 1946.

Landscape

FOR PERFUMES AND TOILET WATERS.

Claims use since Jan. 15, 1946.

Ser. No. 501,993. ROSEMARIE LEWIS, doing business as Vogarell Products Co., Los Angeles, Calif. Filed May 13, 1946.

ENECOL

FOR ENEMA POWDER.

Claims use since Apr. 17, 1946.

Ser. No. 502,079. LIONEL G. ROTHCHILD, doing business as Lenel Company, Dallas, Tex. Filed May 14, 1946.

Gentrie

FOR COLOGNE, TALCUM POWDER, HAIR DRESSING, AND SHAVING LOTION.

Claims use since Jan. 21, 1946.

Ser. No. 502,737. CHANDLER CHEMICAL CORP., New York, N. Y. Filed May 25, 1946.

d-Ter

FOR INSECT REPELLENT IN LIQUID FORM FOR USE AS A SPRAY OR BY DIRECT APPLICATION TO THE AFFECTED AREA.

Claims use since May 14, 1946.

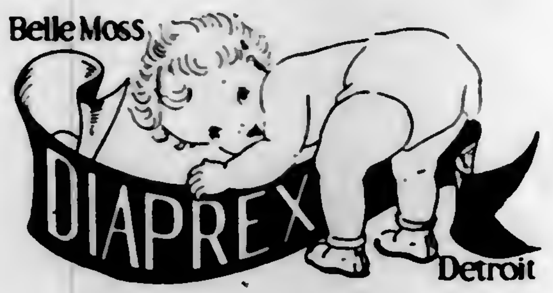
Ser. No. 503,027. THE WILLIAM A. WEBSTER CO., also doing business as American Company, Memphis, Tenn. Filed May 29, 1946.

BOOSTER

FOR HAIR SHAMPOO, HAIR DRESSING, HAIR OIL, HAIR TONIC, BRILLIANTINE, AND AFTER-SHAVE LOTION.

Claims use since Mar. 15, 1946.

Ser. No. 503,309. BELLE MOSKOWITZ, doing business as Belle Moss, Detroit, Mich. Filed June 5, 1946.



The representation of the child in the drawing is fanciful. Applicant disclaims the words "Detroit" and "Belle Moss" apart from the mark.

FOR OINTMENT USED IN THE TREATMENT AND PREVENTION OF DIAPER RASH, CHAFING OF THE SKIN, HEAT RASH, PRICKLY HEAT AND OTHER EXTERNALLY CAUSED SKIN IRRITATIONS.

Claims use since May 5, 1944.

Ser. No. 503,934. PREMO PHARMACEUTICAL LABORATORIES, INC., New York, N. Y. Filed June 14, 1946.

COLUMAG

FOR PREPARATION FOR THE RELIEF OF HYPERACIDITY OF THE STOMACH.

Claims use since March 1946.

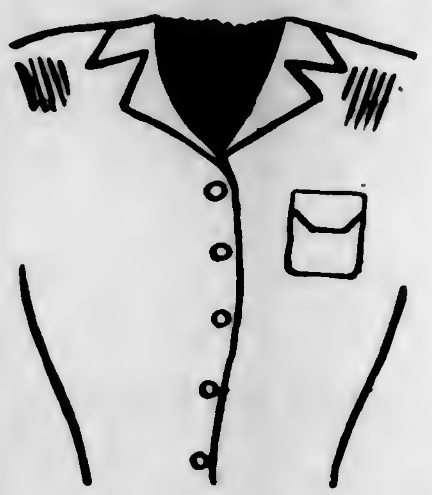
Ser. No. 504,250. BRISTOL-MYERS COMPANY, New York, N. Y. Filed June 20, 1946.

Nimbus

FOR SHAMPOO.

Claims use since Apr. 25, 1946.

Ser. No. 504,340. KAY DAUMIT, INC., Chicago, Ill. Filed June 21, 1946.



FOR LIQUID DEODORANT FOR BODY AND UNDERARM USE.

Claims use since Jan. 10, 1942.

Ser. No. 504,540. ADOLF ANDREW FRANK, doing business as A. A. Frank Laboratories, New York, N. Y. Filed June 25, 1946.

FRADOL

FOR CONCENTRATED MOUTHWASH.

Claims use since June 18, 1946.

Ser. No. 504,662. J. W. S. DELAVAU CO., Philadelphia, Pa. Filed June 27, 1946. Under 10-year proviso.

DELAVAU'S

FOR PREPARATIONS FOR THE TREATMENT OF COUGHS DUE TO COLDS.

Claims use since 1847.

Ser. No. 504,971. GEIGY COMPANY, INC., New York, N. Y. Filed July 2, 1946.

TRIX

FOR MOTHPROOFING AGENTS, PREPARATIONS FOR KILLING WEEDS, AND DESTROYING VERMIN, INSECTICIDES, FUNGICIDES AND DISINFECTANTS.

Claims use since May 29, 1946.

Ser. No. 505,004. PIERCE'S PROPRIETARIES, INC., Buffalo, N. Y. Filed July 2, 1946.

AGRADIL

FOR PREPARATIONS INDICATED AS A TONIC TO PROMOTE THE DEVELOPMENT OF INFANTS AND CHILDREN, AND CONVALESCENCE FROM CONDITIONS DUE TO OR AGGRAVATED OR CHARACTERIZED BY IMPROPER DIGESTION; TO STIMULATE THE APPETITE AND AS AN AID IN THE TREATMENT OF MILD MALNUTRITION AND UNDERNOURISHMENT; TO RELIEVE FATIGUE DUE TO EXCESSIVE PHYSICAL ACTIVITY; TO AID DIGESTION AND RELIEVE THE DISCOMFORT OF GAS IN THE STOMACH; AND, IN GENERAL, FOR ALL SUCH PATHOLOGICAL CONDITIONS AND PHYSICAL DISORDERS IN OR FOR THE TREATMENT OF WHICH APPETIZERS, STIMULANTS, OR TONICS ARE ADVISABLE OR NECESSARY.

Claims use since Aug. 25, 1945.

Ser. No. 505,005. Pierce's Proprietaries, Inc., Buffalo, N. Y. Filed July 2, 1946.

FAVOREM

FOR PREPARATIONS HAVING DIURETIC, LAXATIVE, TONIC AND SEDATIVE PROPERTIES, AND INDICATED IN AND FOR THE TREATMENT OF CHLOROSIS, CONSTIPATION, FUNCTIONAL DISORDERS AND IRREGULARITIES OF THE MENSES, AND ALL SUCH OTHER PHYSICAL DISORDERS AND PATHOLOGICAL CONDITIONS IN OR FOR THE TREATMENT OF WHICH IT MAY BE NECESSARY OR ADVISABLE TO ADMINISTER OR USE CATHARTICS, DIURETICS, LAXATIVES, PURGATIVES, SYSTEMIC TONICS, AND UTERINE TONICS AND SEDATIVES.

Claims use since Apr. 20, 1946.

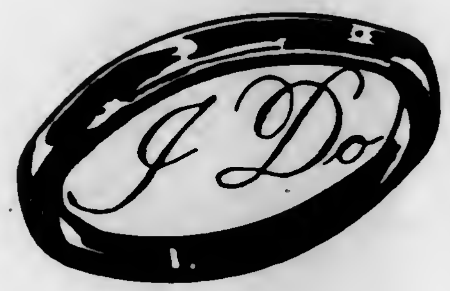
Ser. No. 505,013. Edmond Rosens, Paris, France. Filed July 2, 1946.

PRIVILÈGE

FOR PERFUMES, TOILET WATERS, ROUGE, LIPSTICK, AND FACE CREAMS.

Claims use since May 31, 1939.

Ser. No. 505,066. Kathryn Palmer, Inc., New York, N. Y. Filed July 3, 1946.



FOR PERFUMES, COLOGNE, AND BODY POWDERS.

Claims use since June 3, 1946.

Ser. No. 505,082. The Sydney Ross Co., Newark, N. J. Filed July 3, 1946.

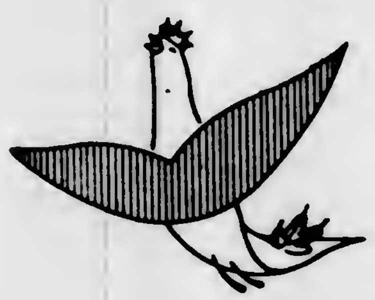
TIRO SEGURO

FOR VERMIFUGES.

Claims use since 1868.

Ser. No. 505,171. Affiliated Products, Inc., New York, N. Y. Filed July 8, 1946.

Sun Bird



The drawing is lined for the color red.

FOR LIPSTICK AND ROUGE.

Claims use since Apr. 16, 1946; and since Nov. 15, 1927, as to the word "Sunbird."

Ser. No. 505,316. Reed & Carnrick, Jersey City, N. J. Filed July 9, 1946.

FERROMEGA

FOR TABLETS USED IN THE TREATMENT OF IRON DEFICIENTY ANEMIA.

Claims use since June 5, 1946.

Ser. No. 505,343. Rock E. D'Onofrio, doing business as Natu Products Co., Syracuse, N. Y. Filed July 10, 1946.

NATU

FOR COSMETICS—NAMELY, COLD CREAMS AND CLEANSING CREAMS.

Claims use since April 1945.

Ser. No. 505,394. The County Perfumery Company, Inc., Bloomfield, N. J. Filed July 11, 1946.

BRYLTONE

FOR AFTER-SHAVE LOTION.

Claims use since June 17, 1946.

Ser. No. 505,410. Terry T. Greil, Pittsburgh, Pa., assignor to Greil Drug and Chemical Company, Pittsburgh, Pa., a corporation of Pennsylvania. Filed July 11, 1946.

Greil's

The mark is a facsimile of applicant's handwriting.

FOR SOLUTION FOR TREATMENT OF ATHLETE'S FOOT.

Claims use since June 17, 1946.

Ser. No. 505,442. The Pharma-Craft Corporation, New York, N. Y. Filed July 11, 1946.

CHAD

FOR HAIR TONIC.

Claims use since June 10, 1946.

Ser. No. 505,471. Assied Touma, doing business as A. Touma Manufacturing Company, Plantsville, Conn. Filed July 12, 1946.

OUMA

FOR MEDICINAL PREPARATION FOR THE TREATMENT OF ECZEMA.

Claims use since May 17, 1946.

Ser. No. 505,497. George C. Hester, Glendale, Calif. Filed July 12, 1946.

Brown Bomber

FOR PERFUMES.

Claims use since June 27, 1946.

Ser. No. 505,559. Coty, Inc., New York, N. Y. Filed July 13, 1946.

MACOMBO

FOR FACE POWDER, DUSTING POWDER, TOILET WATER, PERFUME, SUNTAN OIL, SKIN AND HAIR LOTIONS, BRILLANTINE, ROUGE COMPACTS, POWDER COMPACTS, LIPSTICKS, SACHET POWDERS, EAU DE COLOGNE, FACE CREAMS, BATH SALTS, TALCUM POWDERS, AND ROUGES.

Claims use since July 9, 1946.

Ser. No. 505,717. Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif. Filed July 16, 1946.

CHEVRON

FOR PARASITICIDES—NAMELY, INSECTICIDES, GERMICIDES AND FUNGICIDES, DISINFECTANTS, ANTISEPTICS, DEODORANTS AND CLEANERS, FOR USE ON ANIMALS, POULTRY, AND IN GENERAL DISINFECTION, DEODORIZING AND CLEANING OF PREMISES.

Claims use since May 17, 1946, on mark as shown; and since Feb. 26, 1942, for the word "Chevron" in connection with insecticides and fungicides.

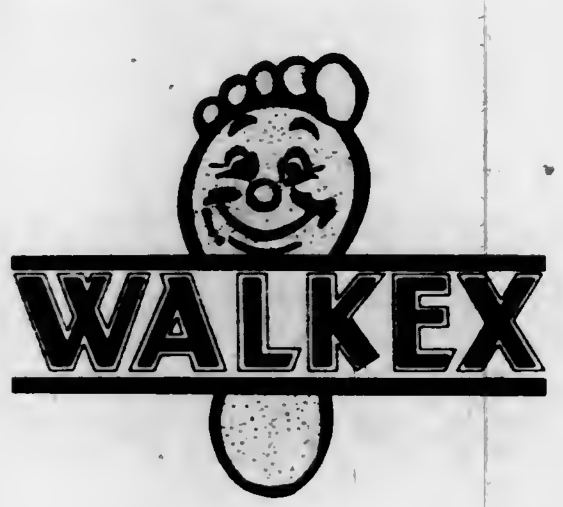
Ser. No. 506,505. Botany Worsted Mills, Passaic, N. J. Filed July 30, 1946.

Sailors-Delight

FOR LIPSTICKS.

Claims use since June 21, 1946.

Ser. No. 512,142. Robert H. Fite, Miami, Fla. Filed Sept. 4, 1946.



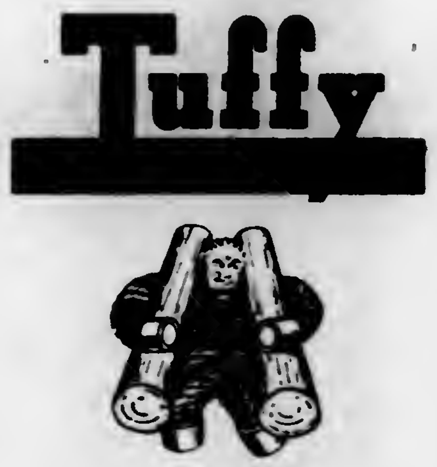
FOR PREPARATION FOR THE TREATMENT OF ATHLETE'S FOOT.

Claims use since August 1944.

CLASS 7

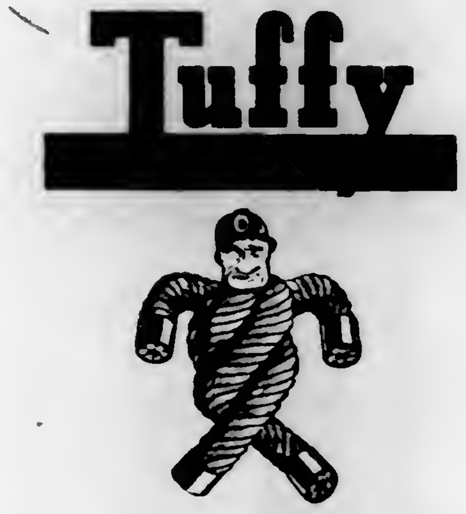
CORDAGE

Ser. No. 508,452. Union Wire Rope Corporation, Kansas City, Mo. Filed Sept. 3, 1946.



FOR WIRE ROPE AND WIRE ROPE CABLES FOR USE IN THE LUMBER INDUSTRY.
Claims use since Jan. 10, 1946.

Ser. No. 508,453. Union Wire Rope Corporation, Kansas City, Mo. Filed Sept. 3, 1946.



FOR WIRE ROPE AND WIRE ROPE CABLES FOR USE IN THE MINING INDUSTRY.
Claims use since Jan. 15, 1943.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 505,200. Higgins, Inc., New Orleans, La. Filed July 8, 1946.

"ENDURON"

FOR LUMBER FOR FRAMING MEMBERS, BOAT PLANKING, AND FOR GENERAL STRUCTURAL APPLICATION IN BOAT BUILDING.
Claims use since May 1945.

Ser. No. 508,601. Homasote Company, Inc., Fernwood, Township of Ewing, N. J. Filed Sept. 6, 1946.

CORESOTE

FOR PANELS OF COMPOSITION FIBROUS MATERIAL FOR USE IN THE MANUFACTURE OF LAMINATED SHEET MATERIAL TO BE USED IN THE MANUFACTURE OF FURNITURE, WOOD PANELING, AND SIMILAR PRODUCTS.
Claims use since Aug. 21, 1946.

Ser. No. 508,745. E. H. Sheldon & Company, Muskegon, Mich. Filed Sept. 9, 1946.

CAFOLITE

FOR HARD PRESSED FIBROUS COMPOSITION SHEETS USED FOR SURFACE MATERIALS FOR THE TOPS OF TABLES, COUNTERS, BARS, BUFFETS, AND THE LIKE.
Claims use since on or about Jan. 1, 1939.

Ser. No. 509,021. Homer T. McGill, Houston, Tex. Filed September 13, 1946.

Bug Putty

No claim is made to the word "Putty" except in association with the mark as shown.
FOR PUTTY-LIKE PREPARATION SOLD IN POWDER FORM, FOR APPLICATION AFTER HAVING BEEN MIXED WITH WATER TO ANY BUILDING SURFACE, SUCH AS BRICK, WOOD, CEMENT, PLASTER OR METAL, FOR SEALING ENCLOSED SPACES AGAINST GAS LEAKS DURING FUMIGATION.
Claims use since Aug. 2, 1946.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 502,621. Columbia Tool Steel Company, Chicago Heights, Ill. Filed May 23, 1946.

ATMODIE

No claim is made to the word "Die" apart from the mark.
FOR TOOL STEEL.
Claims use since July 1, 1940.

CLASS 15

OILS AND GREASES

Ser. No. 491,384. Bee Chemical Company, Chicago, Ill. Filed Nov. 10, 1945.

BEE-KUT

The word "Kut" is disclaimed apart from the mark.
FOR CUTTING LUBRICANTS FOR METAL MACHINING OPERATIONS—NAMELY, EMULSIFIABLE CUTTING OILS, BROACHING OILS, TAPPING AND THREADING OILS.
Claims use since September 1945.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 504,628. N. V. Cigaretten Import Company (Sigaretten Import Maatschappij), The Hague, Netherlands. Filed June 26, 1946.

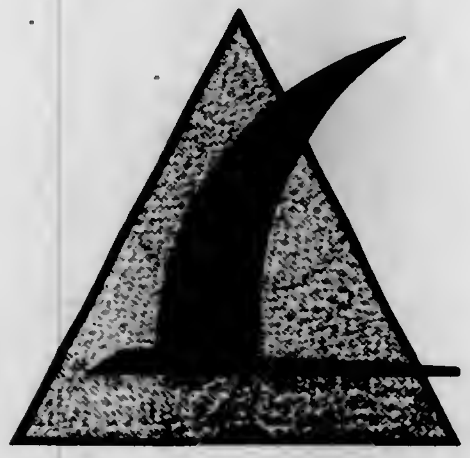
CONVOY

FOR CIGARETTES.
Claims use since September 1941.

CLASS 19

VEHICLES

Ser. No. 491,877. Northrop Aircraft, Inc., Hawthorne, Calif. Filed Nov. 19, 1945.



The area within the triangle is colored orange as shown. However, no claim is made to any particular color.
FOR AIRPLANES AND PARTS THEREOF.
Claims use since Feb. 12, 1941.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

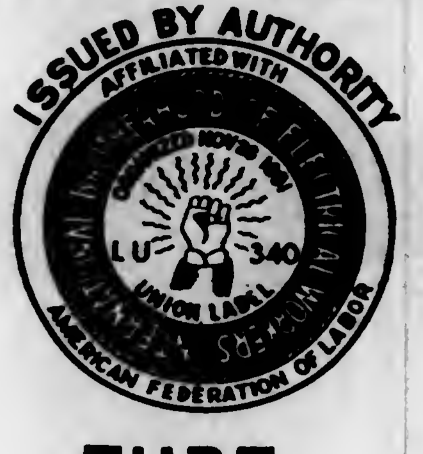
Ser. No. 485,689. The Lincoln Electric Company, Cleveland, Ohio. Filed July 11, 1945.

Fleet-Arc

No claim is made to the word "Arc" apart from the mark as shown.
FOR ELECTRIC WELDING MACHINES, WELDING HEADS, MOTORS, GENERATORS, CONVERTERS, TRANSFORMERS AND CURRENT CONTROL DEVICES FOR USE IN ELECTRIC ARC WELDING, AND PARTS THEREOF.
Claims use since May 25, 1945.

Ser. No. 491,324. International Brotherhood of Electrical Workers, Washington, D. C. Filed Nov. 9, 1945.
Under the act of February 20, 1905, as amended June 10, 1938.

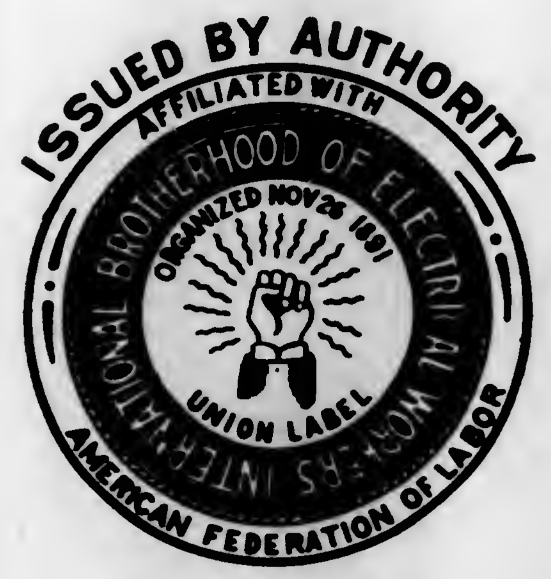
UNION MADE



TUBE

No claim is made to the words "Electrical," "Union Made Tube," "Issued by Authority," "Affiliated With," and "American" apart from the mark as shown.
FOR ELECTRICAL EQUIPMENT—NAMELY, NEON TUBES.
Claims use since May 31, 1935.

Ser. No. 491,326. International Brotherhood of Electrical Workers, Washington, D. C. Filed Nov. 9, 1945. Under the act of February 20, 1905, as amended June 10, 1938.

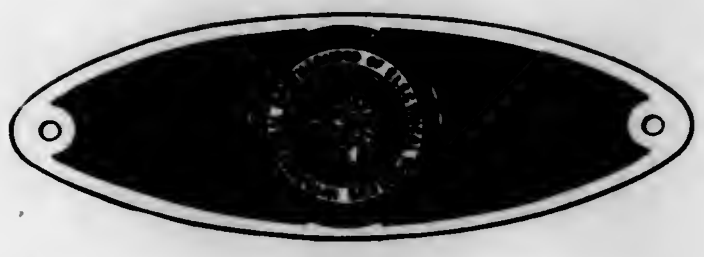

ISSUED BY AUTHORITY
AFFILIATED WITH
INTERNATIONAL BROTHERHOOD OF ELECTRICAL WORKERS
ORGANIZED NOV 28 1891
UNION LABEL
AMERICAN FEDERATION OF LABOR

No claim is made to the words "Electrical," "Issued by Authority," "Affiliated With," "Union Label," and "American" apart from the mark as shown.

FOR METAL PARTS FOR FLUORESCENT LIGHTING FIXTURES.

Claims use since June 1, 1937.

Ser. No. 491,331. International Brotherhood of Electrical Workers, Washington, D. C. Filed Nov. 9, 1945. Under the act of February 20, 1905, as amended June 10, 1938.



No claim is made to the words "Electrical," "Affiliated With," "American," and "Union Label," or to the outline representation of the name-plate, apart from the mark as shown.

FOR ELECTRICAL EQUIPMENT AND SUPPLIES—NAMELY, ELECTRIC SIGNS, SWITCHBOARDS, MOTORS, AND GENERATORS.

Claims use since 1912.

Ser. No. 494,379. The Western Union Telegraph Company, New York, N. Y. Filed Jan. 5, 1946.

Telekrypton

FOR TELEGRAPH ENCIPHERING AND DECIPHERING APPARATUS.

Claims use since June 6, 1941.

Ser. No. 500,710. Alexander Steinberg, New York, N. Y. Filed Apr. 22, 1946.

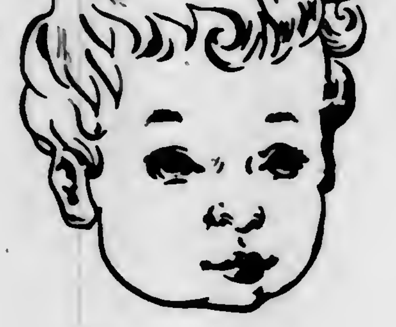
YOGURT Master

No claim is made to the word "Yogurt" apart from the mark shown on the drawing.

FOR ELECTRICAL HEATING APPARATUS FOR MAKING YOGURT.

Claims use since Feb. 6, 1946.

Ser. No. 501,653. Electrical Industries, Inc., Newark, N. J. Filed May 8, 1946.



The picture of the boy's head shown is purely fanciful and anonymous.

FOR ELECTRICALLY HEATED FOOD WARMERS AND COOKERS, ELECTRICALLY HEATED BOTTLE WARMERS, ELECTRICALLY HEATED VAPOR STERILIZERS, ELECTRICALLY HEATED STEAM GENERATORS, ELECTRICALLY HEATED WATER VAPORIZERS, AND ELECTRICALLY HEATED VAPORIZERS.

Claims use since Feb. 27, 1946.

Ser. No. 502,400. Oiltrol Company, Denver, Colo. Filed May 18, 1946.

OILTROL

The term "Oil" is disclaimed apart from the mark.

FOR AUTOMATIC PRESSURE-ACTUATED ELECTRIC SWITCH FOR CUTTING OUT THE IGNITION CIRCUIT OF AN AUTOMOTIVE ENGINE IN CASE OF FAILURE OF THE OIL SUPPLY.

Claims use since May 1, 1946.

Ser. No. 504,326. Century Lighting, Inc., New York, N. Y. Filed June 21, 1946.

PAINT WITH LIGHT

No claim is made to the word "Light" apart from the mark.

FOR ELECTRIC LIGHTING FIXTURES FOR WINDOW AND INTERIOR DISPLAY LIGHTING AND FOR STAGE LIGHTING.

Claims use since Jan. 1, 1945.

Ser. No. 507,524. The Firan Co., Santa Monica, Calif. Filed Aug. 16, 1946.

FIRAN

FOR ELECTRIC SPACE HEATERS.

Claims use since Mar. 29, 1946.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

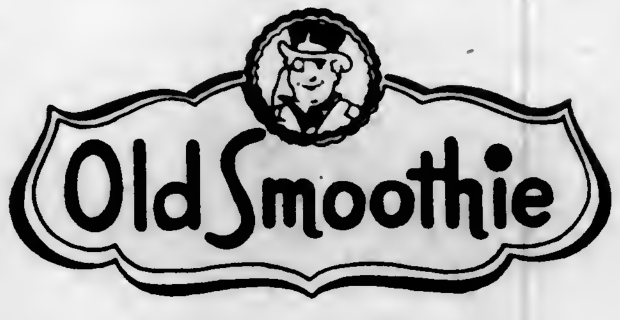
Ser. No. 503,799. Earl L. Coddington, doing business as Coddington Machine Co., Middletown, Ohio. Filed June 13, 1946.

CYCLONE

FOR POWER OPERATED MACHINE FOR MOWING GRASS AND WEEDS.

Claims use since June 1939.

Ser. No. 503,982. Frye's Cigar Company, Brockton, Mass. Filed June 15, 1946.



The representation of the character wearing the top hat is purely fanciful.

FOR RAZOR BLADES.

Claims use since January 1944.

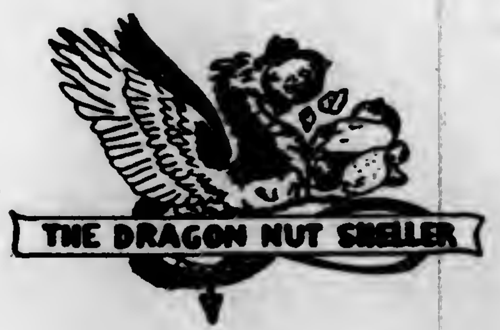
Ser. No. 504,081. Arnold F. Von Hausen, Portland, Oreg. Filed June 17, 1946.

Q-T

FOR VALVE TAPPET SCREWS.

Claims use since Sept. 10, 1945.

Ser. No. 504,098. Paul Dragon, Stockton, Calif. Filed June 18, 1946.



No claim is made to the words "Nut Sheller" apart from the mark as shown.

FOR NUT SHELLING MACHINES.

Claims use since Mar. 8, 1946.

Ser. No. 504,183. Koch Products Company, doing business as Koch Chemical Co., Winona, Minn. Filed June 19, 1946.

SI-REEN

FOR FIRE EXTINGUISHERS.

Claims use since May 3, 1946.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 493,145. G. S. Robins & Company, St. Louis, Mo. Filed Dec. 12, 1945.

Nyl-Eon

FOR COVERS FOR STEAM PRESSES FOR PRESSING GARMENTS.

Claims use since Oct. 23, 1945.

Ser. No. 504,694. Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Filed June 27, 1946. Under the act of February 20, 1905, as amended June 10, 1938.

Hearthstone

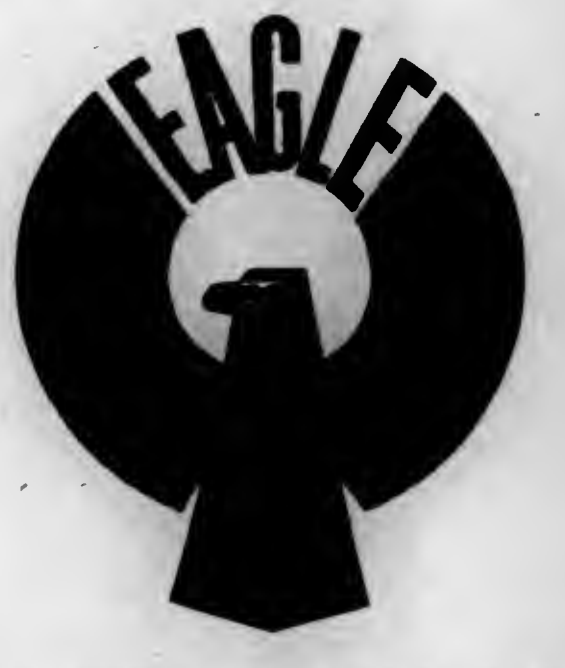
FOR CLOTHES WASHING AND IRONING MACHINES.

Claims use since Feb. 13, 1945.

CLASS 25

LOCKS AND SAFES

Ser. No. 485,632. The Eagle Lock Company, Terryville, Conn., and Chicago, Ill. Filed July 10, 1945.



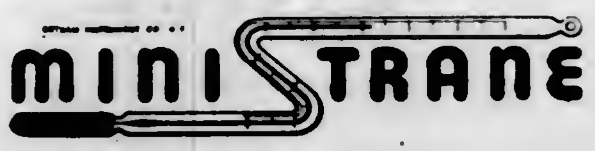
FOR CABINET LOCKS—NAMELY, WARDROBE, DOOR AND CUPBOARD LOCKS; NIGHT LATCHES, SUITCASE AND TRUNK LOCKS, COMBINATION LOCKS, PADLOCKS, DESK LOCKS, CAR DOOR LOCKS, IGNITION LOCKS AND KEYS FOR ALL SUCH LOCKS; SUITCASE CATCHES AND CHECKS IN THE NATURE OF KEYS FOR LOCKERS.

Claims use since Jan. 1, 1945.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 497,307. Gotham Instrument Company, New York, N. Y. Filed Feb. 27, 1946.

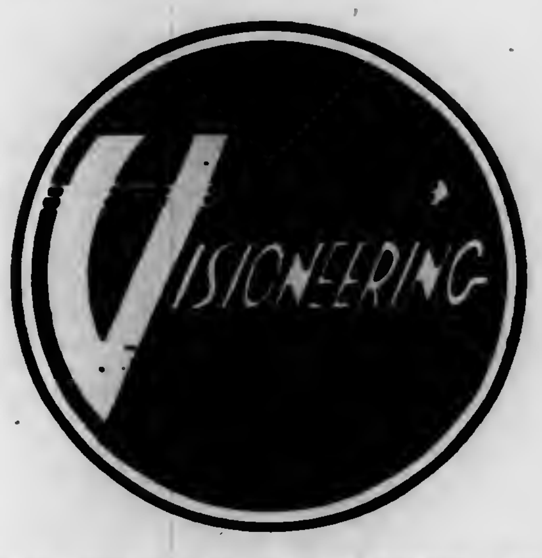


The mark includes the word "Ministrane." No claim is made to the exclusive use of the words "Instrument Co. N. Y." and the representation of the thermometer apart from the other features of the mark as shown.

FOR THERMOMETER.

Claims use since Nov. 1, 1945.

Ser. No. 499,026. The Visioneering Co. Inc., Cleveland, Ohio. Filed Mar. 26, 1946.



No claim is made to the words, "Cleveland, Ohio."

FOR SPECIALLY DESIGNED APPLIANCES TO SERVE AS MODELS, FOR PRODUCTION, FULL SIZE OR OTHERWISE, STILL OR OPERATIONAL, SERVING IN THE NATURE OF UNIT PATTERNS TO GUIDE IN THE TURN-OUT OF COMMERCIAL ARTICLES.

Claims use since Dec. 22, 1945.

Ser. No. 500,012. L. and L. Company, Minneapolis, Minn. Filed Apr. 11, 1946.

VERSI-RULE

The word "Rule" is disclaimed apart from the trademark as shown.

FOR GEOMETRIC INSTRUMENT—NAMELY, A COMBINATION OF A PROTRACTOR AND STRAIGHT EDGE FOR USE IN MEASURING AND AS A GUIDE FOR DRAWING LINES.

Claims use since January 1946.

Ser. No. 502,637. The Haloid Company, Rochester, N. Y. Filed May 23, 1946.

MINI-RECORD

Applicant disclaims the word "Record" apart from the mark.

FOR LIGHT SENSITIVE PAPER, CAMERAS AND CAMERA EQUIPMENT—NAMELY, COPY-STANDS.

Claims use since May 2, 1946.

Ser. No. 503,893. William O. Frohring, doing business as Bio-Medical Instrument Co., Chagrin Falls, Ohio. Filed June 14, 1946.

BIO-THESIOMETER

FOR INSTRUMENTS FOR QUANTITATIVELY DETERMINING THE SENSITIVITY OF ANY PORTION OF THE HUMAN BODY TO THE EFFECT OF AN APPLIED VIBRATION.

Claims use since May 11, 1946.

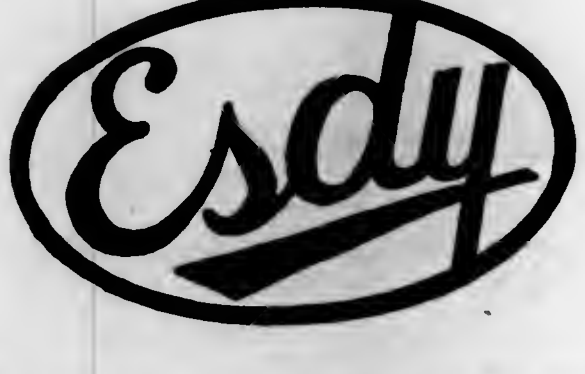
Ser. No. 504,739. Burke & James, Inc., Chicago, Ill. Filed June 28, 1946.

"INGENTO"

FOR PHOTOGRAPHIC SUPPLIES—NAMELY, NEGATIVE PRESERVERS, LANTERN SLIDE VISE, LANTERN SLIDE MATS, FILM CLIPS, PHOTO CHANGING BAGS, FOCUSING CLOTH, PRINT TONGS, NEGATIVE DRYING RACK, SUNSHADES, PHOTO TIMER, AND DEVELOPING TANKS.

Claims use since Dec. 1, 1916.

Ser. No. 505,318. Scientific Development Corp., New York, N. Y. Filed July 9, 1946.



FOR PHOTOGRAPHIC APPLIANCES—NAMELY, VIEWERS, CAMERAS, SENSITIZED DEVELOPING PAPER, PHOTOGRAPHIC PLATES AND PAPER, PROJECTORS, DEVELOPING TANKS, DRYERS, PHOTOGRAPHIC PRINTERS, AND COLOR FILTERS.

Claims use since Dec. 3, 1945.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 501,268. The New Haven Clock Company, New Haven, Conn., assignor to New Haven Clock and Watch Company, New Haven, Conn., a corporation of Connecticut. Filed May 1, 1946.

Tom-Tom

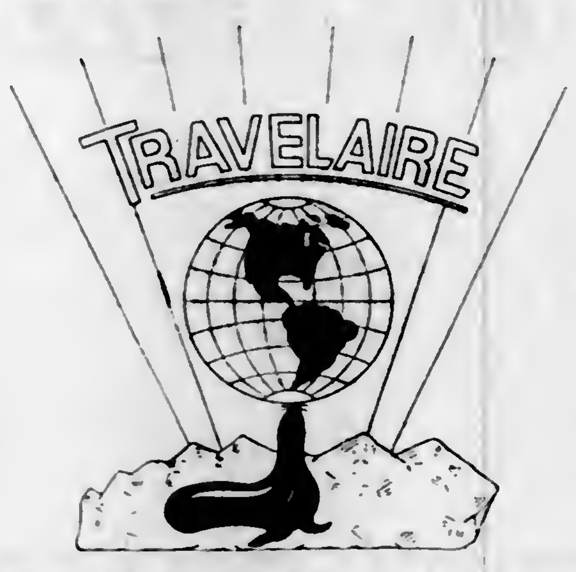
FOR CLOCKS, WATCHES, AND PARTS THEREOF.

Claims use since July 26, 1923.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 514,230. Travelaire Corporation, Chicago, Ill. Filed Dec. 13, 1946.



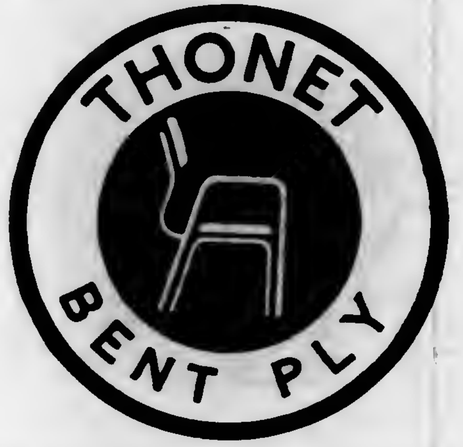
FOR PORTABLE ICE BOXES.

Claims use since Oct. 8, 1946.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 478,018. Thonet Brothers, Inc., New York, N. Y. Filed Dec. 28, 1944. Under section 5b of the act of 1905 as amended in 1920 as to "Thonet."



The words "Bent Ply" and the representation of a chair are disclaimed apart from the mark as shown.

FOR BARBERS' ARMCHAIRS, BEDROOM SUITES, BEDSTEADS, CAMP STOOLS, CARD TABLES, CHAIRS AND TABLES FOR GENERAL USE, CLOTHES STANDS, EASELS, ETAGERES, FLOWER TABLES AND STANDS, FOLDING ARMCHAIRS, FOLDING CHAIRS, FOLDING SCREENS IN THE NATURE OF DRESSING SCREENS AND ROOM PARTITIONS, FOOTSTOOLS, FRAMES FOR LOOKING GLASSES, HAIRDRESSERS' ARMCHAIRS, HAIRDRESSERS' REVOLVING CHAIRS, HANGING CLOTHES RACKS, HAT PEGS, HAT RAILS FOR FURNITURE PURPOSES, NEWSPAPER RACKS, LADIES' TOILET STANDS, NIGHT ARMCHAIRS, NIGHT TABLES, NURSING CHAIRS, OCCASIONAL TABLES, OFFICE CHAIRS, PEDESTALS FOR FURNITURE PURPOSES, PRIE-DIEUS, RECLINING COUCHES, ROCKING CHAIRS, SETTEES, SOFAS, SEWING TABLES, SHOP CHAIRS, STANDS FOR MARBLE TABLES, STOOLS, TOWEL RAILS OF WOOD, TOWEL HORSES, TRUNK STANDS, TRYING-ON STOOLS FOR SHOEMAKERS, UMBRELLA STANDS, VENEER SEATS, WALKING-STICK CHAIRS, WARDROBES, WASHING STANDS, AND WRITING DESKS.

Claims use since Oct. 16, 1944.

Ser. No. 490,618. AMBERG FILE AND INDEX COMPANY, Kankakee, Ill. Filed Oct. 29, 1945.

amfile

FOR TRANSFER CASES OF CABINET FORM FOR USE IN CONNECTION WITH OFFICE FILING CABINETS COVERED TO STIMULATE LEATHER FOR STORING PHONOGRAPH RECORDS.

Claims use since Jan. 20, 1942, on phonograph record cabinets; and since May 10, 1944, on transfer cases.

Ser. No. 493,266. GLOBE PARLOR FURNITURE COMPANY, High Point, N. C. Filed Dec. 14, 1945.

TRYON PALACE

No claim is made for the word "Tryon" apart from the mark shown.

FOR UPHOLSTERED SOFAS AND CHAIRS, DINING ROOM TABLES, BUFFETS AND CABINETS, BEDS, DRESSERS, AND BOOK CASES.

Claims use since Dec. 7, 1945.

Ser. No. 494,227. METRO CASE COMPANY, Newark, N. J. Filed Jan. 3, 1946.

NEWARK
METRO
MADE
N. J.

The word "Made" and the term "Newark, N. J." are disclaimed apart from the mark as shown.

FOR RADIATOR CABINETS AND ENCLOSURES SERVING AS ARTISTIC AND ORNAMENTAL ADDITIONS TO FURNITURE, KITCHEN CABINETS, WALL UNITS USED FOR THE STORAGE OF ARTICLES.

Claims use since Jan. 21, 1945.

Ser. No. 504,747. COLUMBIA INDUSTRIES, Long Island City, N. Y. Filed June 28, 1946.

DISC-PLAY

The word "Disc" is disclaimed apart from the mark as shown.

FOR PHONOGRAPH RECORD CABINETS.

Claims use since Jan. 1, 1946.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 496,879. VENT-AXIA LIMITED, London, England. Filed Feb. 18, 1946.

VENT-AXIA

Applicant disclaims the word "Vent" apart from the mark.

FOR VENTILATING APPARATUS OF THE AIRSCREW OR PROPELLER FAN TYPE ADAPTED FOR INSTALLATION IN WALLS OR WINDOWS.

Claims use since Mar. 11, 1936.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

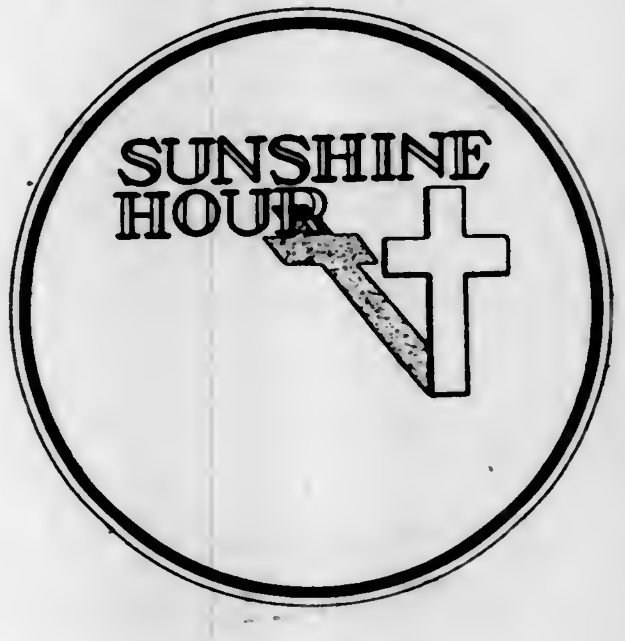
Ser. No. 490,995. JULIUS BLUMENTHAL, doing business as Aqualon Studios, New York, N. Y. Filed Nov. 8, 1945.

MELODISC

FOR PHONOGRAPH RECORDING BLANKS FOR THE COMMERCIAL MANUFACTURE OF PHONOGRAPH RECORDS.

Claims use since Oct. 15, 1943

Ser. No. 501,818. HOWARD L. BROWN, doing business as "Religious Productions," Hollywood, Calif. Filed May 10, 1946.



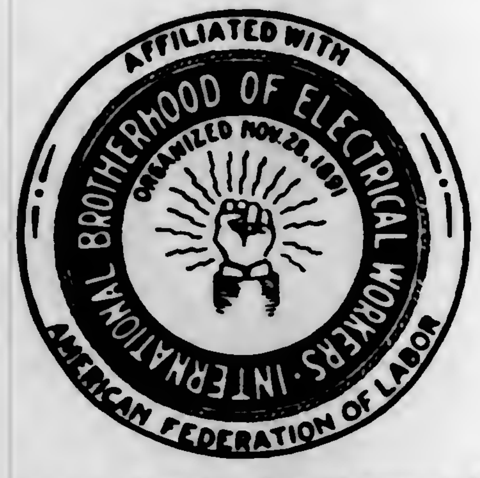
FOR GROOVED PHONOGRAPH RECORDS.

Claims use since Oct. 6, 1945.

CLASS 37

PAPER AND STATIONERY

Ser. No. 491,328. INTERNATIONAL BROTHERHOOD OF ELECTRICAL WORKERS, Washington, D. C. Filed Nov. 9, 1945. Under the act of February 20, 1905, as amended June 10, 1938.


AFFILIATED WITH
INTERNATIONAL BROTHERHOOD OF ELECTRICAL WORKERS
ORGANIZED NOV. 28, 1891
AMERICAN FEDERATION OF LABOR

No claim is made to the words "Affiliated With" and "American" apart from the mark.

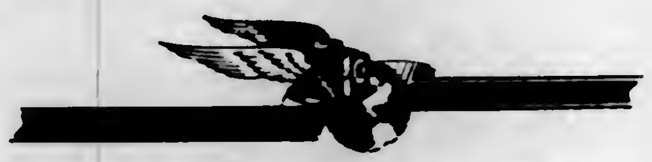
FOR LETTERHEADS, CORRESPONDENCE ENVELOPES, AND BLANK FORMS—NAMELY, BLANK DUE BOOKS, AND WORKING CARDS, MEMBERSHIP CARDS, RECORD SHEETS, REFERENDUM STATEMENTS AND APPLICATIONS.

Claims use since Sept. 15, 1900.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 497,766. AMERICAN PICTORIAL SERVICE, INC., Newark, N. J. Filed Mar. 7, 1946.

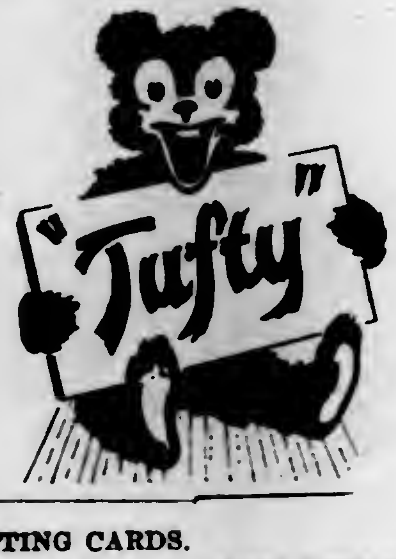


The lining on the drawing is intended for shading purposes only.

FOR PHOTOGRAPHIC PRINTS.

Claims use since Feb. 15, 1946.

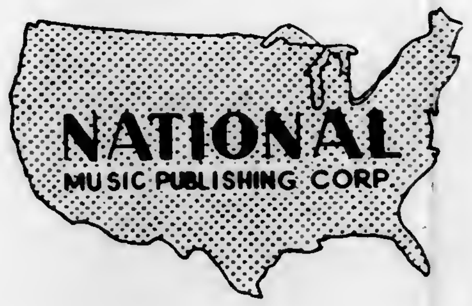
Ser. No. 498,712. MORGAN POTTRUFF, doing business as Morgan Pottruff Company, Brantford, Ontario, Canada. Filed Mar. 21, 1946.



FOR GREETING CARDS.

Claims use since on or about October 1940 as to "Tufty"; and since on or about Apr. 18, 1945 to the mark as a whole.

Ser. No. 503,313. NATIONAL MUSIC PUBLISHING CORP., New York, N. Y. Filed June 5, 1946.



The words "Music Publishing Corp." and the representation of a map of the United States are disclaimed apart from the mark.

FOR SHEET MUSIC.

Claims use since Nov. 28, 1945.

Ser. No. 503,947. SENECA PRINTING COMPANY, Chicago, Ill. Filed June 14, 1946.

DAILY
TURF
OBSERVER

The words "Daily Turf" are disclaimed apart from the mark.

FOR DAILY PUBLICATION.

Claims use since May 23, 1946.

Ser. No. 504,291. PROVIDENCE JOURNAL COMPANY, Providence, R. I. Filed June 20, 1946. Under 10-year proviso.

The Providence Journal

FOR NEWSPAPER.

Claims use since June 5, 1830.

Ser. No. 504,292. PROVIDENCE JOURNAL COMPANY, Providence, R. I. Filed June 20, 1946. Under 10-year proviso.

The Providence Sunday Journal

FOR NEWSPAPER.

Claims use since July 19, 1885.

CLASS 39

CLOTHING

Ser. No. 482,271. BRIAN FABRICS CORP., New York, N. Y. Filed Apr. 18, 1945.

The representation of the scarf and the words "One Scarf" are disclaimed apart from the mark as shown.
FOR LADIES' HANDKERCHIEFS, SCARVES, AND FASCINATORS.
Claims use since Mar. 30, 1945.

Ser. No. 498,510. EDISON BROTHERS STORES, INC., St. Louis, Mo. Filed Mar. 19, 1946.

QualiCraft

No claim is made to the word "Craft" apart from the mark as shown, however, applicant reserves all common-law rights in and to the same.
FOR LADIES' SHOES MADE OF LEATHER, RUBBER, FABRICS, PLASTIC, AND COMBINATIONS THEREOF.
Claims use since Sept. 7, 1944, and since Dec. 15, 1932, as to "Qual-I-Craft."

Ser. No. 501,599. THE RICHBAR HATS, INC., New York, N. Y. Filed May 7, 1946.

TEEN-DREAMS

The right to the exclusive use of the word "Teen" is disclaimed apart from the mark as shown on the drawing.
FOR MISSES' AND JUNIOR MISSES' HATS.
Claims use since Apr. 1, 1946.

Ser. No. 502,338. THE H. A. SEINSHEIMER COMPANY, Cincinnati, Ohio. Filed May 17, 1946.

Flying Colors

FOR MEN'S SUITS, TOPCOATS, AND ENSEMBLES—NAMELY, COATS, VESTS, TROUSERS, AND CONTRASTING SLACKS.
Claims use since October 1933.

Ser. No. 502,502. JACK DEMPSEY, New York, N. Y., assignor to Adam Hat Stores Inc., New York, N. Y., a corporation of New York. Filed May 21, 1946.

Jack Dempsey

The name "Jack Dempsey" is a facsimile signature of the applicant.
FOR MEN'S HATS.
Claims use since May 15, 1946.

Ser. No. 502,586. LOOMERICA, INCORPORATED, New York, N. Y. Filed May 22, 1946.

The drawing is lined for the color blue. No claim is made to the exclusive use of the outline map of the United States of America.
FOR HANDKERCHIEFS.
Claims use since Apr. 4, 1946.

Ser. No. 503,679. STAR SUSPENDER & BELT CORP., New York, N. Y. Filed June 11, 1946.

Pocketchief

FOR HANDKERCHIEFS.
Claims use since Jan. 1, 1945.

Ser. No. 504,148. BATES SHOE COMPANY, Webster, Mass. Filed June 19, 1946. Under 10-year proviso.

THE Bates SHOE

FOR SHOES MADE OF LEATHER, RUBBER, FABRIC, PLASTIC, AND/OR COMBINATIONS THEREOF.
Claims use since January 1890.

Ser. No. 504,193. MARATHON RAINCOAT MFG. Co., New York, N. Y. Filed June 19, 1946.

TURTLE

FOR RAINCOATS.
Claims use since May 23, 1946.

Ser. No. 505,988. G. M. POIX, INC., New York, N. Y. Filed July 20, 1946.

"Evening ★ Star"

FOR STRAPLESS BRASSIÈRES AND BANDEAUX.
Claims use since June 1, 1936.

Ser. No. 506,156. COLONIAL TANNING COMPANY, INC., Boston, Mass. Filed July 24, 1946. Under act of February 20, 1905, as amended June 10, 1938.

Cherry Coke

FOR APPAREL BELTS AND SHOES OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF, FOR MEN, WOMEN, AND CHILDREN.
Claims use since March 1940.

Ser. No. 506,551. CHESTER H. ROTH CO., INC., New York, N. Y. Filed July 30, 1946.

Etiquette

FOR HOSIERY.
Claims use since July 19, 1946.

Ser. No. 507,608. THE WHITING COMPANY, New York, N. Y. Filed Aug. 17, 1946.

WHITCO

FOR LEATHER CUFF AND COLLAR SETS FOR DRESSES AND CLOTHING.
Claims use since July 1, 1946.

Ser. No. 507,803. ABRAHAM COHEN, doing business as Craftex Underwear Co., New York, N. Y. Filed Aug. 22, 1946.

Craftex

FOR LADIES', MISSES', AND CHILDREN'S PAJAMAS, SLIPS, AND NIGHTGOWNS.
Claims use since May 22, 1946.

Ser. No. 507,856. SIMTEX MILLS, DIVISION OF SIMMONS COMPANY, New York, N. Y. Filed Aug. 22, 1946.

FOR MEN'S SHIRTS.
Claims use since Aug. 12, 1946.

Ser. No. 507,857. SIMTEX MILLS, DIVISION OF SIMMONS COMPANY, New York, N. Y. Filed Aug. 22, 1946.

Simtex

FOR MEN'S SHIRTS.
Claims use since Aug. 12, 1946.

Ser. No. 508,105. HARRY W. DEAN, New York, N. Y. Filed Aug. 27, 1946.

"TYPHOON"

FOR MEN'S, WOMEN'S, AND CHILDREN'S RAINCOATS, RAIN CAPES, AND HOODS.
Claims use since July 9, 1946.

Ser. No. 508,568. AMERICAN BLOUSE CO. INC., New York, N. Y. Filed Sept. 6, 1946.

Ameri-Maid

FOR BLOUSES.
Claims use since Dec. 15, 1945.

Ser. No. 508,750. SNOWDON, INC., Osceola, Iowa. Filed Sept. 9, 1946.

Jeanne Marie

FOR UNDERWEAR FOR WOMEN—NAMELY, SLIPS AND PANTIES, PAJAMAS, GOWNS, BLOOMERS, BANDEAUX, BRASSIÈRES, STEP-INS, AND NIGHTGOWNS.
Claims use since Jan. 8, 1946.

Ser. No. 508,762. WEINBERG CORPORATION, Chicago, Ill. Filed Sept. 9, 1946.

Sands OF THE Desert

FOR MEN'S SUITS, COATS, VESTS, TROUSERS, AND OUTER COATS, MADE OF TEXTILE FABRICS.
Claims use since Aug. 14, 1946.

Ser. No. 508,887. CAPE ANN MANUFACTURING CO., Gloucester, Mass. Filed Sept. 12, 1946.

MIGHTY-MAC

FOR BOYS' AND MEN'S WOOLEN, COTTON, AND LEATHER COATS.
Claims use since Sept. 1, 1941.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 500,905. SCHERR NOVELTY CO., Huntington Park, Calif. Filed Apr. 25, 1946.

Coiffure Belle

The word "Coiffure" is disclaimed apart from the mark as shown.
FOR HAIR ORNAMENTS OF NON-PRECIOUS METAL OR METALS OR NON-PRECIOUS STONES OR PLASTIC.
Claims use since Sept. 8, 1945.

Ser. No. 505,494. DAVID GUSS & COMPANY, Philadelphia, Pa. Filed July 12, 1946.

EL DORADO

FOR WATCH STRAPS MADE WHOLLY OF LEATHER, CLOTH, AND BASE METALS.
Claims use since May 1, 1946.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 488,740. CONCORD CHENILLE CO., New York, N. Y. Filed Sept. 20, 1945.

"Tidal Weave"

No claim is made to the exclusive use of the word "Weave" except in the association shown.
FOR TEXTILE FABRICS OF COTTON AND RAYON SOLD BY THE YARD.
Claims use since Sept. 18, 1945.

Ser. No. 496,034. J. LONDON & CO., Philadelphia, Pa. Filed Feb. 5, 1946.

Graceflo

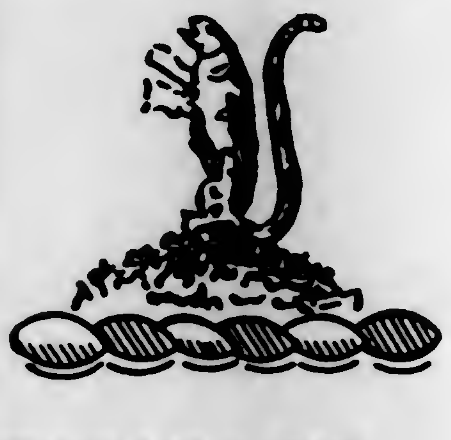
FOR WINDOW CURTAINS, DRAPERIES, AND BEDSPREADS.
Claims use since Jan. 28, 1946.

Ser. No. 498,928. OAKES & COMPANY, Chicago, Ill., assignor to Oakes & Company, Chicago, Ill., a corporation of Illinois. Filed Mar. 25, 1946.

Style Craft

No claim is made to the word "Style" apart from the mark.
FOR AXMINSTER AND WILTON BROADLOOM AND BORDER RUGS, WOOL BROADLOOM RUGS, WILTON VELVET RUGS, HAIR CARPETING, FIBRE RUGS AND RUNNERS; COTTON RUGS, AND QUILTED CRIB PADS.
Claims use since Feb. 1, 1946.

Ser. No. 504,284. WM. O'HANLON & CO. LIMITED, Manchester, England. Filed June 20, 1946.



The representation is that of a lizard.
FOR COTTON PIECE GOODS.
Claims use since Mar. 7, 1884.

Ser. No. 504,296. RIVERSIDE & DAN RIVER COTTON MILLS, INC., Danville Va., now by change of name to Dan River Mills, Incorporated. Filed June 20, 1946.

SOVEREIGN

FOR OXFORD SHIRTING FABRICS, OF COTTON, RAYON OR MIXTURES THEREOF IN THE PIECE.
Claims use since May 10, 1946.

CLASS 43

THREAD AND YARN

Ser. No. 508,674. SPINNERIN YARN CO., INC., New York, N. Y. Filed Sept. 7, 1946.

COQUETTE

FOR YARN.
Claims use since Aug. 15, 1946.

Ser. No. 508,941. TRUB & CO., Uster, Zurich, Switzerland. Filed Sept. 12, 1946.

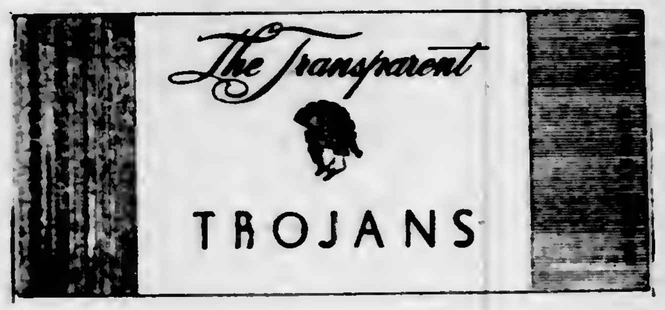
LANCOFIL

FOR FIBRE-BLENDED YARN OF WOOL AND COTTON, RAW OR DYED.
Claims use since July 26, 1934.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 513,705. YOUNGS RUBBER CORPORATION, New York, N. Y. Filed Dec. 4, 1946.



All wording, with the exception of the word "Trojans" and the representation of the label, are disclaimed apart from the mark. The drawing is lined to denote the colors blue and red which colors constitute an essential feature of applicant's trade-mark.
FOR PROPHYLACTIC RUBBER ARTICLES FOR THE PREVENTION OF CONTAGIOUS DISEASES.
Claims use since Nov. 5, 1946.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 504,876. THE BAMBOO COMPANY, Atlanta, Ga. Filed July 1, 1946.

BAMBOO

FOR CARBONATED NONALCOHOLIC MALTLESS SOFT DRINK AND CONCENTRATE FOR MAKING THE SAME.
Claims use since 1930.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 483,743. I. F. SCHNIER, doing business as I. F. Schnier Company, San Francisco, Calif. Filed May 24, 1945.

CONFERENCE

I. F. SCHNIER CO.
San Francisco, Calif.

No claim is made to "I. F. Schnier Co. San Francisco, Calif." apart from the mark.

FOR ORANGE JUICE FOR FOOD PURPOSES, CANNED SARDINES, COFFEE, FRUIT JAMS, AND FRUIT JELLIES.

Claims use since May 11, 1945.

Ser. No. 483,797. G. W. SPARGER, doing business as Puny Sparger, Ardmore, Okla. Filed May 25, 1945.

PUNY'S

FOR SALAD DRESSING.

Claims use since July 1, 1944.

Ser. No. 486,157. MERCED TOMATO GROWERS CO-OPERATIVE ASSOCIATION, Merced, Calif. Filed July 23, 1945.

TOMATO BOWL

No claim is made to the word "Tomato" apart from the mark as shown, although the applicant waives no common-law rights to the same.

FOR FRESH VEGETABLES—NAMELY, TOMATOES.

Claims use since May 1936.

Ser. No. 498,387. CLARK V. BLOCHER, San Luis Obispo, Calif. Filed Mar. 18, 1946.

Hotzig

FOR A BUN ENCASED FRANKFURTER.

Claims use since Jan. 10, 1946.

Ser. No. 503,571. CLEMENT L. HIRSCH, doing business as Packers Canning Company, Los Angeles, Calif., assignor to Victory Packing Co., Los Angeles, Calif., a corporation of California. Filed June 10, 1946.

KAL KAN

No claim is made to the word "Kan" apart from the mark as shown, although the applicant waives no common-law rights to the same.

FOR CANNED HORSE MEAT AND GRAVY.

Claims use since May 16, 1946.

Ser. No. 505,009. ROESCH AND RHODES, Clarence Center, N. Y. Filed July 2, 1946.

ROAPON

FOR LIVE AND DRESSED POULTRY.

Claims use since Jan. 21, 1946.

Ser. No. 505,802. CHIPZELS, INC., Lansdale, Pa. Filed July 18, 1946.

Chipzels

FOR POTATO CHIPS.

Claims use since Nov. 28, 1945.

Ser. No. 509,080. DUFFY-MOTT COMPANY, INC., New York, N. Y. Filed Sept. 14, 1946. Under section 5b of the act of 1905 as amended in 1920 as to "Mott's."

QUALITY · PRODUCTS
MOTT'S
SINCE · [illegible]

Applicant disclaims the words "Quality," "Products," and "Since" apart from the mark as shown.

FOR CIDER VINEGAR, WHITE VINEGAR, JELLIES, AND MARMALADES.

Claims use since August 1945 on cider vinegar and white vinegar; and since July 1945 on jellies and marmalades.

CLASS 47

WINES

Ser. No. 500,680. MEDALLION WINE CORP., New York, N. Y. Filed Apr. 22, 1946.

Sneaky Pete

FOR WINES.

Claims use since Mar. 19, 1945.

Ser. No. 505,441. WILLIAM B. O'DONNELL, doing business as O'Donnell Importing Company, Detroit, Mich. Filed July 11, 1946.

O'D's

FOR WINES.

Claims use since December 1944.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 495,543. FURANE PLASTICS AND CHEMICALS COMPANY, Los Angeles, Calif. Filed Jan. 28, 1946.

-PLASPREG-

FOR ART POTTERY, STATUES, AND STATUETTES.

Claims use since Jan. 16, 1946.

Ser. No. 502,163. STEDFAST RUBBER CO., INC., Mattapan, Mass. Filed May 15, 1946.

HITEX

FOR ARTIFICIAL LEATHER.

Claims use since August 1932.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF FEBRUARY 20, 1905

MARCH 18, 1947

428,247. TOILET PREPARATIONS AND COSMETICS—NAMELY, COLOGNE, BATH OIL, BODY BALM (A CREAM), BODY SACHET, AND FOAM BATH IN CAKE, POWDER, AND LIQUID FORM. Babs Creations, Incorporated, New York, N. Y., assignor, by mesne assignments, to Babs Creations, a copartnership consisting of Charles H. Foster and Babette Foster.
Filed March 26, 1942. Serial No. 451,907. PUBLISHED JANUARY 12, 1943. Class 6.

428,248. WATCHES AND CHRONOMETERS, WATCH MOVEMENTS, WATCH CASES, DIALS, AND PARTS OF WATCHES. Societe Anonyme Mido, Bienne, Switzerland, assignor to Mido Watch Company of America, Inc., New York, N. Y.
Filed December 21, 1942. Serial No. 457,553. PUBLISHED DECEMBER 24, 1946. Class 27.

428,249. CUFF LINKS, VEST BUTTONS, SHIRT STUDS, DRESS SETS, KEY CHAINS, MONEY CLIPS, WALDEMAR CHAINS, LAPEL CHAINS, AND BELT CHAINS, ALL MADE OF PRECIOUS OR SEMI-PRECIOUS METAL. Taunton Pearl Works, Taunton, Mass., assignor to Pioneer Suspender Company, Philadelphia, Pa., a corporation of Pennsylvania.
Filed November 20, 1944. Serial No. 476,705. PUBLISHED APRIL 16, 1946. Class 28.

428,250. FOUNTAIN PENS AND MECHANICAL PENCILS. David Kahn, Inc., North Bergen, N. J.
Filed February 1, 1945. Serial No. 479,286. PUBLISHED DECEMBER 24, 1946. Class 37.

428,251. WITHDRAWN.

428,252. SLIP-ON UNIT OF SOLDER AND FLUX, IN AN IGNITABLE SHELL, FOR USE IN AUTOMATIC SOLDERING OF WIRE AND SIMILAR SPLICES. Jiggers, Inc., Chicago, Ill.
Filed April 21, 1945. Serial No. 482,426. PUBLISHED DECEMBER 24, 1946. Class 14.

428,253. HARDBOARD (HARD WALLBOARD). Carl Wikström, doing business as P. Wikström Junior, Stockholm, Sweden.
Filed June 20, 1945. Serial No. 484,813. PUBLISHED DECEMBER 24, 1946. Class 12.

428,254. BRICKS. Shasta Volcolite Company Inc., Benicia, Calif.
Filed July 16, 1945. Serial No. 485,889. PUBLISHED DECEMBER 24, 1946. Class 12.

428,255. HAND LUGGAGE AND TRUNKS—VIZ., SUIT CASES, TRAY CASES, WARDROBE CASES, FITTED TRAVELING CASES, VISITING CASES, COSMETIC CASES, VICTORIA CASES, HAT CASES, HAT AND SHOE CASES, PULLMAN CASES, TOPS-UP BOXES, ZIPPER BAGS, CLUB BAGS, DRESS TRUNKS, WARDROBE TRUNKS, PACKING TRUNKS, STEAMER TRUNKS, AND TAXI TRUNKS. Oshkosh Trunks and Luggage, Oshkosh, Wis.
Filed August 27, 1945. Serial No. 487,629. PUBLISHED DECEMBER 24, 1946. Class 3.

428,256. ROUGH CASTINGS AND SEMI-FINISHED CASTINGS OF NONFERROUS METAL. Standard Brass & Manufacturing Company, Port Arthur, Tex.
Filed September 28, 1945. Serial No. 489,152. PUBLISHED DECEMBER 24, 1946. Class 14.

428,257. DISH-WASHING COMPOUND. Edwin B. Livingston, doing business as Edw. Livingston & Sons, Kansas City, Mo.
Filed October 15, 1945. Serial No. 489,972. PUBLISHED DECEMBER 17, 1946. Class 4.

428,258. OVERALLS. Goldstone Bros., San Francisco, Calif.
Filed November 23, 1945. Serial No. 492,041. PUBLISHED DECEMBER 24, 1946. Class 39.

428,259. YARN AND THREADS ALL OF TEXTILE MATERIALS. L. Copley-Smith & Sons Limited, Manchester, England.
Filed December 8, 1945. Serial No. 492,898. PUBLISHED DECEMBER 24, 1946. Class 43.

428,260. HAND LUGGAGE AND TRUNKS. Wheary Incorporated, Racine, Wis.
Filed December 29, 1945. Serial No. 494,153. PUBLISHED DECEMBER 24, 1946. Class 3.

428,261. HAND LUGGAGE AND TRUNKS. Wheary Incorporated, Racine, Wis.
Filed December 29, 1945. Serial No. 494,154. PUBLISHED DECEMBER 24, 1946. Class 3.

428,262. WRITING INKS. Juan Cayetano Gandolfo, Buenos Aires, Argentina, assignor to Eversharp, Inc., Chicago, Ill., a corporation of Delaware.
Filed January 5, 1946. Serial No. 494,320. PUBLISHED JULY 23, 1946. Class 11.

428,263. ASH TRAYS. Samuel K. Frank, Wheeling, W. Va.
Filed January 7, 1946. Serial No. 494,398. PUBLISHED SEPTEMBER 24, 1946. Class 8.

428,264. TOILET SOAP. El Paraiso de Purua, Fuentes Termales, S. A., Mexico City, Mexico.
Filed January 8, 1946. Serial No. 494,434. PUBLISHED DECEMBER 17, 1946. Class 4.

428,265. CIGARS. Goodman Cigar Co. Inc., Westfield, Mass.
Filed January 24, 1946. Serial No. 495,289. PUBLISHED DECEMBER 24, 1946. Class 17.

428,266. CELLULOSE SPONGES FOR APPLYING AND REMOVING COSMETICS. American Sponge & Chamois Co. Inc., New York, N. Y.
Filed January 29, 1946. Serial No. 495,564. PUBLISHED DECEMBER 24, 1946. Class 1.

428,267. YARNS. United States Rubber Company, New York, N. Y.
Filed February 11, 1946. Serial No. 496,410. PUBLISHED DECEMBER 24, 1946. Class 43.

428,268. CIGARETTES, SMOKING TOBACCO, CHEWING TOBACCO, AND SNUFF. Brown & Williamson Tobacco Corporation, Louisville, Ky.
Filed February 12, 1946. Serial No. 496,423. PUBLISHED DECEMBER 24, 1946. Class 17.

428,269. BLEND OF FATTY OILS FOR USE IN THE OILING-OFF AND FAT-LIQUORING OF LEATHER. National Oil Products Company, Harrison, N. J.
Filed February 15, 1946. Serial No. 496,651. PUBLISHED DECEMBER 17, 1946. Class 4.

428,270. ALLOYS IN VARIOUS FORMS SUITABLE FOR WELDING, BRAZING, SOLDERING, AND HARD SURFACING OPERATIONS. Eutectic Welding Alloys Corporation, New York, N. Y.
Filed February 28, 1946. Serial No. 497,881. PUBLISHED DECEMBER 24, 1946. Class 14.

428,271. YARNS. Fitchburg Spinners Sales Corporation, Fitchburg, Mass.
Filed March 2, 1946. Serial No. 497,536. PUBLISHED DECEMBER 24, 1946. Class 43.

428,272. YARNS. Fitchburg Spinners Sales Corporation, Fitchburg, Mass.
Filed March 2, 1946. Serial No. 497,537. PUBLISHED DECEMBER 24, 1946. Class 43.

428,273. COIN CASES. Henry King Rosenbaum, New York, N. Y.
Filed March 22, 1946. Serial No. 498,799. PUBLISHED DECEMBER 24, 1946. Class 3.

428,274. CLEANING COMPOSITIONS FOR USE IN MAKING UP SOLUTIONS USED FOR CLEANING METALS PREPARATORY TO ELECTROPLATING. United Chromium, Incorporated, New York, N. Y.
Filed March 27, 1946. Serial No. 499,089. PUBLISHED DECEMBER 24, 1946. Class 4.

428,275. LADIES' HANDBAGS. Paul Brown Company Inc., New York, N. Y.
Filed March 30, 1946. Serial No. 499,313. PUBLISHED DECEMBER 24, 1946. Class 3.

428,276. GUNS AND PARTS THEREOF. The L. C. Smith Gun Company, Incorporated, Fulton, N. Y.
Filed April 1, 1946. Serial No. 499,440. PUBLISHED DECEMBER 24, 1946. Class 9.

428,277. TOILET SOAPS. Les Parfums de Dana, Inc., New York, N. Y.
Filed April 5, 1946. Serial No. 499,719. PUBLISHED DECEMBER 24, 1946. Class 4.

428,278. HANDBAGS. Bostonian Mfg. Corp., New York, N. Y.
Filed April 6, 1946. Serial No. 499,762. PUBLISHED DECEMBER 24, 1946. Class 3.

428,279. HUMIDIFIERS FOR USE IN CONTAINERS FOR TOBACCO AND OTHER PRODUCTS. Solomon M. Sager, Chicago, Ill.
Filed April 17, 1946. Serial No. 500,420. PUBLISHED DECEMBER 24, 1946. Class 8.

428,280. WALLETS. National Ring & Leather Corporation, Mansfield, Ohio.
Filed April 23, 1946. Serial No. 500,764. PUBLISHED DECEMBER 24, 1946. Class 3.

428,281. COMBINATION PURSE AND BILLFOLD. Ascot Ltd., Inc., New York, N. Y.
Filed April 30, 1946. Serial No. 501,153. PUBLISHED DECEMBER 24, 1946. Class 3.

428,282. YARNS. Fitchburg Spinners Sales Corporation, Fitchburg, Mass.
Filed May 9, 1946. Serial No. 501,726. PUBLISHED DECEMBER 24, 1946. Class 43.

428,283. MEN'S, WOMEN'S, AND CHILDREN'S WEARING APPAREL—NAMELY, POLO SHIRTS, BLOUSES, PAJAMAS, PANTIES, CREEPERS, AND KNIT SUITS. Texite, Inc., New York, N. Y.
Filed May 17, 1946. Serial No. 502,847. PUBLISHED DECEMBER 17, 1946. Class 39.

428,284. INFANTS' AND CHILDREN'S HOSE. Dilworth Hosiery Mills, Inc., Charlotte, N. C.
Filed June 12, 1946. Serial No. 503,713. PUBLISHED DECEMBER 17, 1946. Class 39.

428,285. CHEMICAL PREPARATION USED BEFORE AND AFTER METAL ELECTRO-PLATING FOR CLEANING METAL PLATE SURFACES. John J. Draine, doing business as Laundex Chemical Products Co., New York, N. Y.
Filed August 1, 1946. Serial No. 506,653. PUBLISHED DECEMBER 24, 1946. Class 4.

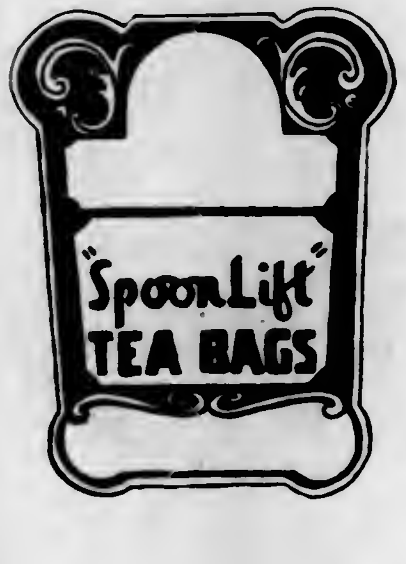
428,286. LIQUID ASBESTOS ROOF COATING AND PLASTIC ASBESTOS ROOF CEMENT. Panther Oil & Grease Mfg. Co., Fort Worth, Tex.
Filed August 15, 1946. Serial No. 507,486. PUBLISHED DECEMBER 24, 1946. Class 12.

428,287. FRESH CUT FLOWERS. Philip R. Temple, doing business as Aloha Flower Co., Milford, Mass.
Filed September 21, 1946. Serial No. 509,545. PUBLISHED DECEMBER 24, 1946. Class 1.

ACT OF MARCH 19, 1920, SEC. 1 (b)

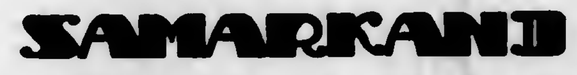
These registrations are not subject to opposition

428,288. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) Hauser Tea Bag Co., Inc., New York, N. Y. Filed Apr. 24, 1943. Serial No. 460,151.



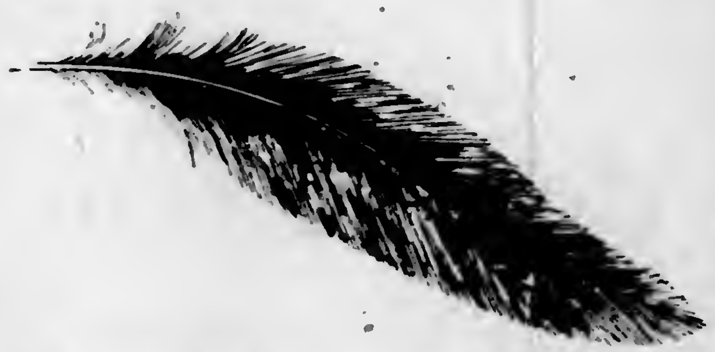
FOR TEA BAGS CONTAINING INDIVIDUAL SERVINGS.
Claims use since Sept. 1, 1940.

428,289. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) The Samarkand Company, San Francisco, Calif. Filed June 16, 1943. Serial No. 461,444.



FOR ICE CREAM, ICE-MILK, ICES AND SHERBET.
Claims use since Nov. 13, 1924.

428,290. (CLASS 32. FURNITURE AND UPHOLSTERY.) Puro Feather & Down Corporation, New York and Brooklyn, N. Y. Filed July 7, 1943. Serial No. 461,910.



FOR CUSHIONS AND PILLOWS.
Claims use since May 15, 1943.

428,291. (CLASS 46, FOODS AND INGREDIENTS OF FOODS.) ROGERS BROTHERS, Portland, Oreg. Filed Aug. 27, 1943. Serial No. 463,053.

ROGERS
DARISWEET
RB
BROTHERS

FOR ICE CREAM.
Claims use since Feb. 1, 1943.

428,292. (CLASS 39. CLOTHING.) HARVARD CLOTHING COMPANY, Boston, Mass. Filed June 5, 1944. Serial No. 470,918.

MT. RUSHMORE

FOR MEN'S COATS, OVERCOATS, TOPCOATS, AND RAINCOATS.
Claims use since April 1941.

428,293. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) HILLYARD CHEMICAL COMPANY, St. Joseph, Mo. Filed July 10, 1944. Serial No. 472,063.

WINDO-CLEAN

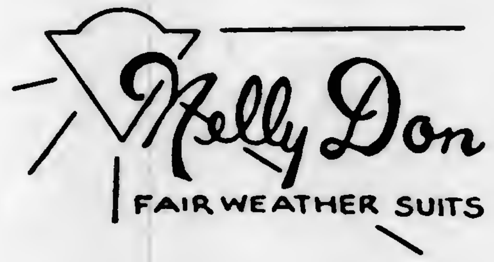
FOR LIQUID WINDOW CLEANER.
Claims use since January 1934.

428,294. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CONVERTED RICE, Houston, Tex., assignor to Converted Rice, Inc., Houston, Tex., a corporation of Delaware. Filed Aug. 7, 1944. Serial No. 473,017.

CONVERTED

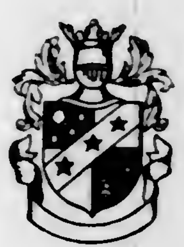
FOR RICE FOR FOOD.
Claims use since Oct. 28, 1942.

428,295. (CLASS 39. CLOTHING.) DONNELLY GARMENT SALES COMPANY, Kansas City, Mo. Filed Sept. 11, 1944. Serial No. 474,072.



FOR WOMEN'S SUITS CONSISTING OF A WASHABLE JACKET AND SKIRT.
Claims use since about July 6, 1944.

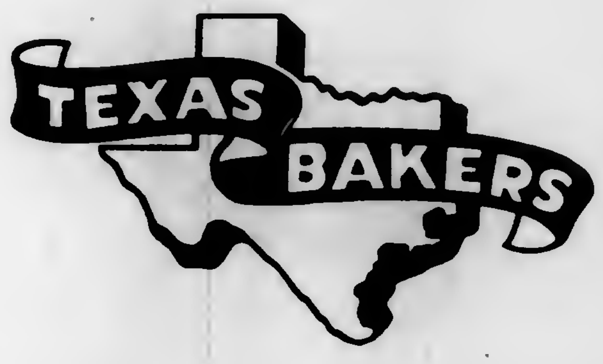
428,296. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOFT CANDY CORPORATION, Long Island City, N. Y. Filed Dec. 6, 1944. Serial No. 477,278.



Loft

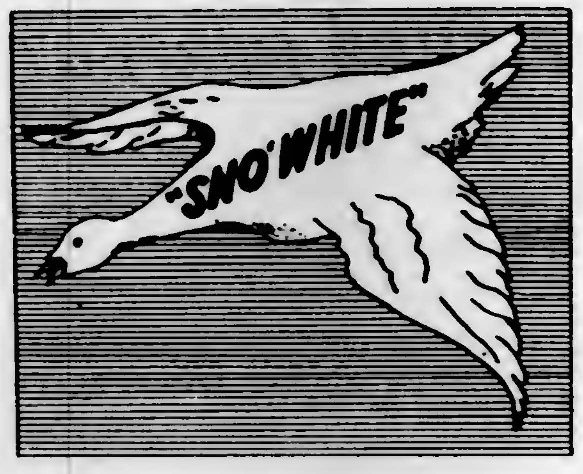
FOR CANDY.
Claims use since Sept. 25, 1941.

428,297. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TEXAS BAKERS, San Antonio, Tex. Filed Dec. 12 1944. Serial No. 477,480.



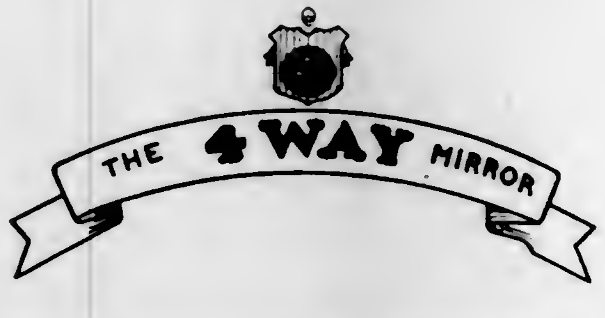
FOR BAKERY PRODUCTS—NAMELY, FRUIT CAKE, PECAN FRUIT BARS, FRUIT COFFEE CAKE, JELLY ROLL, LAYER CAKES, AND COOKIES.
Claims use since Aug. 10, 1943.

428,298. (CLASS 32. FURNITURE AND UPHOLSTERY.) REIN & KLEIN, New York, N. Y. Filed Feb. 9, 1945. Serial No. 479,646.



The drawing is lined for shading only.
FOR FEATHER PILLOWS.
Claims use since July 1, 1944.

428,299. (CLASS 32. FURNITURE AND UPHOLSTERY.) WILLIAM B. LIGORNER, New York, N. Y. Filed Mar. 12, 1945. Serial No. 480,830.



The drawing is lined to represent shading only.
FOR HAND MIRRORS.
Claims use since Jan. 8, 1945.

428,300. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MARYLAND BAKING COMPANY, INC., Baltimore, Md. Filed May 10, 1945. Serial No. 483,197.

EAT·IT·ALL

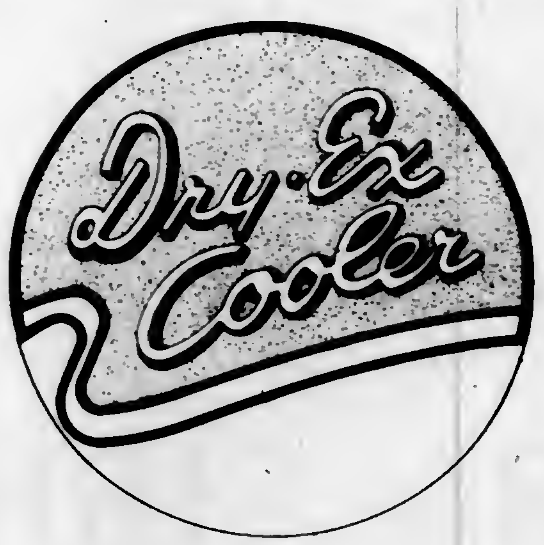
FOR EDIBLE PASTRY CUPS.
Claims use since Feb. 1, 1942.

428,301. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) SALEM PRODUCTS CORP., New York, N. Y. Filed May 29, 1945. Serial No. 483,929.

"Costumer"

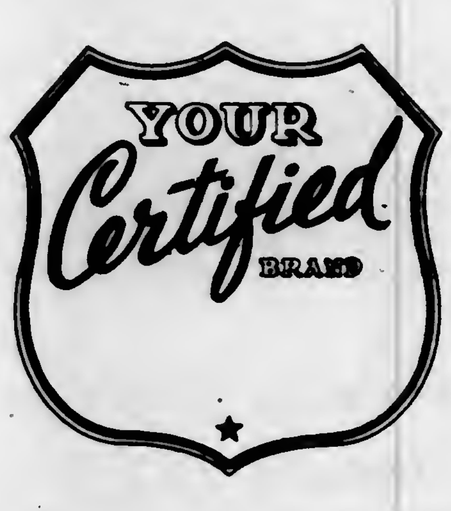
FOR SHOULDER PADS.
Claims use since Jan. 5, 1945.

428,302. (CLASS 31. FILTERS AND REFRIGERATORS.) ACME INDUSTRIES, INC., Jackson, Mich. Filed June 8, 1945. Serial No. 484,288.



FOR REFRIGERATION APPARATUS FOR USE IN INDUSTRIAL PROCESSING.
Claims use since May 14, 1945.

428,303. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DWIGHT PAULHAMUS, doing business as Certified Canners and also as Certified Foods, San Francisco, Calif. Filed June 19, 1945. Serial No. 484,757.



FOR CANNED FRUITS.
Claims use since May 15, 1945.

428,304. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) GAYLORD PRODUCTS, INCORPORATED, Chicago, Ill. Filed June 25, 1945. Serial No. 485,011.

HOLD·BOB

FOR NON-ELECTRICAL HAIR CURLERS AND WAVERS.
Claims use since December 1938.

428,305. (CLASS 32. FURNITURE AND UPHOLSTERY.) Joseph J. Aid, New London, Conn. Filed June 29, 1945. Serial No. 485,186.

BRIDGE TWINS

FOR OCCASIONAL TABLES.
Claims use since May 26, 1945.

428,306. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) Marks and Bruhn, Philadelphia, Pa., and Chicago, Ill. Filed June 30, 1945. Serial No. 485,300.

RALEIGH

FOR CHINA, DINNERWARE, AND CHINA GIFT WARE—NAMELY, CUPS AND SAUCERS.
Claims use since June 14, 1945.

428,307. (CLASS 39. CLOTHING.) Reliance Manufacturing Company, Chicago, Ill. Filed July 18, 1945.

JUMPERALL

FOR OVERALLS.
Claims use since June 16, 1945.

428,308. (CLASS 32. FURNITURE AND UPHOLSTERY.) Ellis M. Johnson, doing business as Johnson Wood Specialties, Chicago, Ill. Filed Aug. 21, 1945. Serial No. 487,374.

ORIGINAL DESIGN
Styled by JOHNSON

FOR WOODEN WALL SHELVES, AND WOODEN WALL CABINETS.
Claims use since Apr. 23, 1945.

428,309. (CLASS 37. PAPER AND STATIONERY.) Copy Papers, Inc., Chicago, Ill. Filed Sept. 1, 1945. Serial No. 487,894.

STENCILRUN

FOR PAPER OF ALL KINDS—NAMELY, BOOK PAPER, BOND PAPER, INDEX PAPER, LEDGER PAPER, WRITING PAPER, OFFSET PAPER, ENAMEL BOOK PAPER, COATED BOND PAPER, COATED MANILA PAPER, DUPLICATING PAPER AND PAPER USED IN DUPLICATING MACHINES.
Claims use since Jan. 1, 1932.

428,310. (CLASS 39. CLOTHING.) Weil-Kalter Manufacturing Company, St. Louis, Mo. Filed Sept. 4, 1945. Serial No. 487,978.

"FIGURE PERFECT"

FOR LINGERIE, SPECIFICALLY SLIPS, GOWNS, AND PAJAMAS.
Claims use since Aug. 1, 1945.

428,311. (CLASS 39. CLOTHING.) Associated Knitted Outerwear Mills, Inc., New York, N. Y. Filed Sept. 15, 1945. Serial No. 488,497.

SPORTNET

FOR MEN'S, BOYS', AND CHILDREN'S UNDERWEAR AND KNITTED OUTERWEAR—NAMELY, SWEATERS, INCLUDING PULLOVERS AND BUTTONED SWEATERS; JACKETS AND SPORTS COATS.
Claims use since Aug. 1, 1945.

428,312. (CLASS 39. CLOTHING.) Jaxton Clothes Co., Inc., New York, N. Y. Filed Sept. 15, 1945. Serial No. 488,534.

FOR MEN'S AND WOMEN'S WEAR AND SPORTS WEAR—NAMELY, SHIRTS, JACKETS, SUITS, SLACKS, COATS AND TROUSERS.
Claims use since on or about Sept. 10, 1945.

428,313. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) Abraham Morgenstern, Brooklyn, N. Y. Filed Sept. 29, 1945. Serial No. 489,184.

TOASTBROILER
IT TOASTS - IT BROILS

FOR ELECTRIC BROILERS.
Claims use since June 27, 1945.

428,314. (CLASS 39. CLOTHING.) Terry Hill, Inc., New York and Astoria, Long Island, N. Y. Filed Oct. 11, 1945. Serial No. 489,834.

Terry Hill

FOR LADIES' BEACHWEAR AND SPORTSWEAR, CONSISTING OF SKIRTS, SLACKS, SHORTS, JUMPERS, JERKINS, JACKETS AND DRESSES.
Claims use since Sept. 28, 1945.

428,315. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) N. Erlanger, Blumgart & Co. Inc., New York, N. Y. Filed Oct. 17, 1945. Serial No. 490,061.

EARL-SPUNN

FOR WOVEN OR KNITTED FABRICS IN THE PIECE MADE OF RAYON, NYLON, SILK, WOOL, COTTON, OR MIXTURES OR BLENDS THEREOF.
Claims use since Oct. 10, 1945.

428,316. (CLASS 27. HOROLOGICAL INSTRUMENTS.) The Gruen Watch Company, Cincinnati, Ohio. Filed Oct. 19, 1945. Serial No. 490,189.

AUTO-WIND

FOR WATCHES, WATCH CASES AND WATCH MOVEMENTS.
Claims use since Oct. 10, 1945.

428,317. (CLASS 39. CLOTHING.) Sporting Stepper, Sociedad Anonima Comercial E Industrial, Buenos Aires, Argentina. Filed Oct. 20, 1945. Serial No. 490,266.

H. Leicester

FOR SWEATERS AND PULLOVER SWEATERS.
Claims use since Feb. 4, 1943.

428,318. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) Robert H. Runyan, doing business as Standard Sport Stores, Columbus, Ohio. Filed Oct. 22, 1945. Serial No. 490,330.

FOR SPORTING GOODS AND ATHLETIC EQUIPMENT—NAMELY, BASEBALLS, BASEBALL GLOVES AND BASEBALL BATS, FOOTBALLS, GOLF BALLS AND CLUBS, TENNIS BALLS AND RACKETS, FISHING RODS, FISHING REELS, ARTIFICIAL LURES AND BAITS, ICE AND ROLLER SKATES, BADMINTON SETS, BOXING GLOVES, PUNCHING BAGS, VOLLEY BALLS, BALLS FOR USE IN THE PLAYING OF THE GAME OF SOFT BALL, BASKET BALLS, GAME NETS, CROQUET SETS, BALLS FOR USE IN THE INDOOR GYMNASIUM GAMES OF SQUASH BALL AND HAND BALL, TRAPEZES, HORIZONTAL BARS, INDIAN CLUBS AND DUMB-BELLS AND ROWING MACHINES.
Claims use since Sept. 1, 1945.

428,319. (CLASS 12. CONSTRUCTION MATERIALS.) Knapp Brothers Manufacturing Company, Chicago, Ill. Filed Oct. 25, 1945. Serial No. 490,493.

STAIRBUILDER

FOR STEEL FORMS TO BE USED IN THE MAKING OF CONCRETE STAIRS AND CONCRETE STAIRWAYS.
Claims use since Sept. 26, 1945.

428,320. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) S. H. Schoenberg, New York, N. Y. Filed Oct. 29, 1945. Serial No. 490,703.

FOR SHAVING BRUSHES.
Claims use since Sept. 8, 1945.

428,321. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) Hoffman Radio Corporation, Los Angeles, Calif. Filed Nov. 5, 1945. Serial No. 491,094.

California Modern

FOR RADIO RECEIVING APPARATUS AND PARTS THEREOF.
Claims use since Oct. 3, 1945.

428,322. (CLASS 32. FURNITURE AND UPHOLSTERY.) Matthew Ross, Rego Park, N. Y. Filed Nov. 5, 1945. Serial No. 491,127.

HI-SEAT

FOR SEAT FOR A CHILD WHICH CAN BE APPLIED AS AN ATTACHMENT TO AN ORDINARY CHAIR.
Claims use since Oct. 12, 1945.

428,323. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) The Old Quaker Company, Inc., New York, N. Y. Filed Nov. 7, 1945. Serial No. 491,212.

SALADOL

FOR CRUDE CORN OIL, USED FOR FOOD PURPOSES.
Claims use since Apr. 26, 1945.

428,324. (CLASS 39. CLOTHING.) Sport-Modes of Boston, Boston, Mass. Filed Nov. 15, 1945. Serial No. 491,681.

SPORT-MODES
OF BOSTON

FOR MISSES', WOMEN'S, JUNIORS', AND CHILDREN'S OUTER CLOTHING—NAMELY, SKIRTS, SLACKS, SLACK SUITS, BLOUSES, SHORTS, SUITS, DRESSES, AND JACKETS.
Claims use since Oct. 31, 1945.

428,325. (CLASS 2. RECEPTACLES.) Gereke-Allen Carton Co., St. Louis, Mo. Filed Nov. 19, 1945. Serial No. 491,824.

adcarton

FOR CARTONS FORMED PRINCIPALLY OF CARDBOARD.
Claims use since Apr. 1, 1945.

428,326. (CLASS 39. CLOTHING.) Rubicon Hosiery Company, New York, N. Y., assignor to Rubicon Hosiery Sales Co., Inc., New York, N. Y., a corporation of New York. Filed Nov. 27, 1945. Serial No. 492,277.

RUBICON

FOR HOSIERY.
Claims use since Nov. 20, 1945.

428,327. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) Curt Michaelis, doing business as Basic Foods Company, New York, N. Y. Filed Nov. 28, 1945. Serial No. 492,332.

S-U-P-E-R---S-P-R-E-A-D

FOR SHORTENING IN SOLID FORM AND OF VEGETABLE ORIGIN, FOR USE AS A STABILIZER IN COOKING AND BAKING, AS IN THE PREPARATION OF CAKE ICINGS.
Claims use since Nov. 7, 1945.

428,328. (CLASS 39. CLOTHING.) William Marks, Inc., East Stroudsburg, Pa. Filed Dec. 3, 1945. Serial No. 492,573.

Willy Marks

FOR LADIES' DRESSES AND LADIES' SUITS.
Claims use since Nov. 1, 1945.

428,329. (CLASS 12. CONSTRUCTION MATERIALS.) Fairhope Fabrics, Inc., Fall River, Mass. Filed Dec. 8, 1945. Serial No. 492,907.

Spiral-Lag Tape

FOR LAGGING TAPE FOR INSULATION.
Claims use since Mar. 22, 1945.

428,330. (CLASS 39. CLOTHING.) S. L. Gilbert Company, Inc., New York, N. Y. Filed Dec. 13, 1945. Serial No. 493,186.

Gilbert

FOR MEN'S HOSE.
Claims use since Dec. 5, 1945.

428,331. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) South Pacific Canning Company, Long Beach, Calif. Filed Dec. 14, 1945. Serial No. 493,295.

FOR CANNED FISH.
Claims use since Nov. 3, 1945.

428,332. (CLASS 39. CLOTHING.) E. Gordon & Co., Philadelphia, Pa. Filed Dec. 21, 1945. Serial No. 493,679.

Janet Lynn

FOR CHILDREN'S DRESSES.
Claims use since Nov. 1, 1945.

428,333. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) Devereux Packing Company, Salinas, Calif. Filed Dec. 22, 1945. Serial No. 493,747.

PRIME-PAK

DEVEREUX PACKING CO.

FOR FRESH VEGETABLES.
Claims use since Nov. 26, 1945.

428,334. (CLASS 39. CLOTHING.) Morvay & Sons Company, Bridgeton, N. J. Filed Dec. 29, 1945. Serial No. 494,103.

PLAY
JAMA

FOR SHORT PAJAMAS.
Claims use since the year 1936.

428,335. (CLASS 37. PAPER AND STATIONERY.) J. C. Gandolfo, Buenos Aires, Argentina, assignor to Eversharp, Inc., Chicago, Ill., a corporation of Delaware. Filed Jan. 5, 1946. Serial No. 494,321.

BIROME

The trade-mark consists merely in the word "Birome."
FOR PENS, WOOD-ENCASED LEAD PENCILS, PENHOLDERS, AUTOMATIC PENCILS, AND FOUNTAIN PENS.
Claims use since September 1944.

428,336. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) H. Stromness, doing business as Square Deal Fish Market, Seaside, Oreg. Filed Jan. 8, 1946. Serial No. 494,467.

TRUE FLAVOUR

FOR CANNED TUNA AND CANNED SALMON.
Claims use since June 1942.

428,337. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) Coastal Canning Corporation, Philadelphia, Pa. Filed Jan. 29, 1946. Serial No. 495,583.

TOPPS

FOR CANNED DOG FOOD.
Claims use since Dec. 27, 1945.

428,338. (CLASS 46. FOODS AND INGREDIENTS OF FOOD.) Rice Growers Association of California, Sacramento, Calif. Filed Jan. 30, 1946. Serial No. 495,693.

VITA-FUL

FOR RICE.
Claims use since Jan. 1, 1946.

428,339. (CLASS 37. PAPER AND STATIONERY.) William L. Chavez, doing business as Chavez Artcraft Products, Chicago, Ill. Filed Jan. 31, 1946. Serial No. 495,724.

SLIDE-IN

FOR PHOTOGRAPH ALBUMS.
Claims use since Dec. 17, 1945.

428,340. (CLASS 12. CONSTRUCTION MATERIALS.) Victor M. Kinkis, Warren, Ohio. Filed Feb. 7, 1946. Serial No. 496,146.

HANDY RANGE

FOR BUILDING STRUCTURE IN THE NATURE OF RANGING SHELTER FOR YOUNG CHICKENS.
Claims use since Jan. 10, 1946.

428,341. (CLASS 39. CLOTHING.) Jewel Togs Inc., New York, N. Y. Filed Feb. 12, 1946. Serial No. 496,447.

Cannings

FOR INFANTS' PRAM SUITS.
Claims use since on or about March 1944.

428,342. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) Goody Record Corp., New York, N. Y., now by change of name to Gotham Record Corp. Filed Feb. 14, 1946. Serial No. 496,554.

GOODY

FOR MECHANICALLY GROOVED PHONOGRAPH RECORDS.
Claims use since Dec. 26, 1945.

428,343. (CLASS 39. CLOTHING.) Rice-Stix Dry Goods Company, St. Louis, Mo. Filed Feb. 21, 1946. Serial No. 497,042.

RIP-A-TUCK

FOR MATERNITY DRESSES.
Claims use since Nov. 30, 1945.

428,344. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) Kramer & Spiegler, New York, N. Y. Filed Feb. 23, 1946. Serial No. 497,108.

U-CLIP

FOR BOW-TIE CLIPS.
Claims use since Dec. 1, 1944.

428,345. (CLASS 12. CONSTRUCTION MATERIALS.) Maxwell & Hitchcock, Atlanta, Ga. Filed Feb. 25, 1946. Serial No. 497,185.

TRIP-L-GRIP

FOR METALLIC TIMBER JOINT FRAMING ANCHORS FOR USE IN ASSEMBLING AND REINFORCING WOOD STRUCTURES.
Claims use since Jan. 1, 1946.

428,346. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) Monmouth Laboratories Inc., Newark, N. J. Filed Feb. 26, 1946. Serial No. 497,262.

Electronx

FOR RADIO RECEIVING SETS, RADIO SENDING SETS, ELECTRIC PHONOGRAPHS, INTER-OFFICE ELECTRICAL COMMUNICATION EQUIPMENT FOR TRANSMITTING AUDIO FREQUENCY SIGNALS, ELECTRONIC REMOTE CONTROL AND SIGNALING APPARATUS THROUGH WIRED ELECTRICAL COMMUNICATION EQUIPMENT WHEREIN AN AUDIO FREQUENCY SIGNAL IS TRANSMITTED OVER WIRES TO CONTROL A REMOTE RECEIVER, AND COOKERS FOR COOKING EGGS IN THEIR SHELLS BY INDUCTION HEATING.
Claims use since Sept. 3, 1945.

428,347. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) Dante Food Products Co. Inc., Buffalo, N. Y. Filed Mar. 5, 1946. Serial No. 497,654.

Dante

FOR ALIMENTARY PASTES.
Claims use since October 1918.

428,348. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) Joseph Clark Crenshaw, Mobile, Ala. Filed Mar. 6, 1946. Serial No. 497,703.

Grand Bayou

FOR CREOLE SHRIMP GUMBO SOUP.
Claims use since Dec. 4, 1945.

428,349. (CLASS 39. CLOTHING.) Laning Hosiery Company, Chicago, Ill. Filed Mar. 8, 1946. Serial No. 497,866.

Laning

FOR MEN'S AND CHILDREN'S HOSIERY.
Claims use since Nov. 2, 1940.

428,350. (CLASS 39. CLOTHING.) Julius Frank, New York, N. Y. Filed Mar. 15, 1946. Serial No. 498,279.

Chami-Soft

FOR COATS, CAPES, JACKETS AND MUFFS MADE OF FUR, FOR THE USE OF WOMEN AND MISSES.
Claims use since Feb. 1, 1945.

428,351. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) Hero Mfg. Co., Inc., Middleboro, Mass. Filed Mar. 15, 1946. Serial No. 498,285.

BLANCA

FOR KNITTING NEEDLES, KNITTING PINS AND CROCHET HOOKS FOR HAND USE.
Claims use since Jan. 18, 1946.

428,352. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) Wallace & Co., Brooklyn, N. Y. Filed Mar. 15, 1946. Serial No. 498,332.

Wallace

Wafer Thin Mints

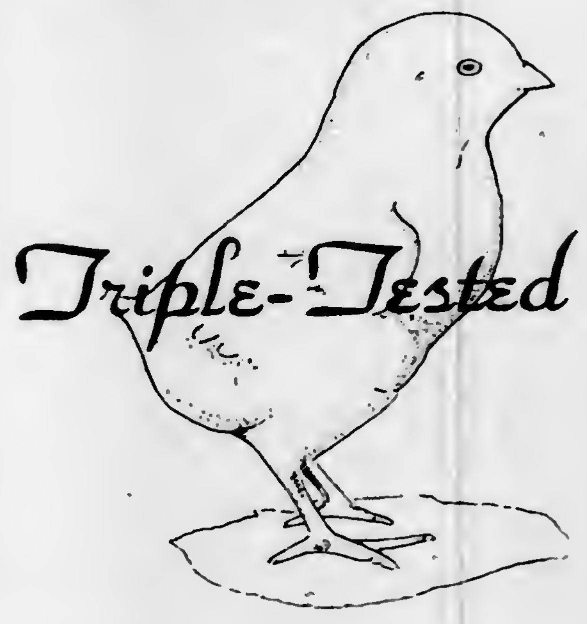
FOR MINT CANDIES.
Claims use since April 1939.

428,353. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) Western Food Products Company, Hutchinson, Kans. Filed Dec. 31, 1945. Serial No. 499,367.

Rich-Nut

FOR GROCERIES—NAMELY, CANNED GREEN BEANS, CANNED SWEET PEAS, TOMATO JUICE, TOMATO CATSUP, PICKLES, SALAD DRESSING, BARBECUE SAUCE, MUSTARD, VINEGAR, AND PEANUT BUTTER.
Claims use since 1937.

428,354. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) Letha Pearl Hatch, doing business as Hatch's Hatchery, Portales, N. Mex. Filed Apr. 10, 1946. Serial No. 499,950.



FOR BABY CHICKS.
Claims use since Feb. 1, 1942.

428,355. (CLASS 17. TOBACCO PRODUCTS.) Fleming-Hall Tobacco Co., Inc., New York, N. Y. Filed Apr. 12, 1946. Serial No. 500,069.

SHEFFIELD

FOR CIGARETTES.
Claims use since the year 1939.

428,356. (CLASS 39. CLOTHING.) Morpul, Inc., New York, N. Y. Filed Apr. 15, 1946. Serial No. 500,238.

MORPUL

FOR MEN'S HOSIERY.
Claims use since Nov. 15, 1945.

428,357. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) Morris Herman, doing business as Toni Herman Co., Brooklyn, N. Y. Filed May 4, 1946. Serial No. 501,453.

Toni Herman

FOR HAIR PREPARATIONS.
Claims use since May 1944.

428,358. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) Bean Sprout Growers' Association, Duluth, Minn. Filed May 16, 1946. Serial No. 502,183.

SHANTUNG

FOR CANNED BEAN SPROUTS.
Claims use since Dec. 15, 1945.

428,359. (CLASS 39. CLOTHING.) Joseph M. Klein, New York, N. Y. Filed May 21, 1946. Serial No. 502,519.

MIDVALE

FOR MEN'S OVERCOATS AND TOPCOATS, AND SUITS—NAMELY, COATS, PANTS, AND VESTS.
Claims use since Dec. 27, 1905.

428,360. (CLASS 39. CLOTHING.) Joseph M. Klein, New York, N. Y. Filed May 21, 1946. Serial No. 502,520.

WHIPPANY

FOR MEN'S OVERCOATS AND TOPCOATS, AND SUITS—NAMELY, COATS, PANTS, AND VESTS.
Claims use since Dec. 27, 1905.

428,361. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) C. H. Masland & Sons, Carlisle, Pa. Filed June 5, 1946. Serial No. 503,304.

MASLAND
MARK OF QUALITY
Always better than need be

FOR TEXTILE CARPETS AND RUGS.
Claims use since Feb. 1, 1943.

428.362. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) Nielsen Bros., El Centro, Calif. Filed June 10, 1946. Serial No. 503,588.

Nielsen

FOR FRESH VEGETABLES.
Claims use since Jan. 1, 1945.

428.363. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) Mason Wittenberg, doing business as Clark of California, Los Angeles, Calif. Filed June 12, 1946. Serial No. 503,782.

CLARK of CALIFORNIA

FOR FRUIT CAKE.
Claims use since Dec. 1, 1941.

428.364. (CLASS 39. CLOTHING.) Schramm-Cohen, Inc., New York, N. Y. Filed July 1, 1946. Serial No. 504,931.

Coram

FOR FUR COATS.
Claims use since June 1941.

428,365. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) Accmatool Co., Inc., New York, N. Y. Filed July 9, 1946. Serial No. 505,274.

HEDGE-KLIP

FOR ELECTRIC HEDGE TRIMMERS.
Claims use since November 1945.

428.366. (CLASS 27. HOROLOGICAL INSTRUMENTS.) Tucker-Lowenthal Company, Chicago, Ill. Filed July 18, 1946. Serial No. 505,869.

MONON

FOR WATCHES.
Claims use since 1937.

428,367. (CLASS 27. HOROLOGICAL INSTRUMENTS.) Tucker-Lowenthal Company, Chicago, Ill. Filed July 18, 1946. Serial No. 505,870.

WABASH

FOR WATCHES.
Claims use since 1937.

428,368. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) Patrick J. Hynes, doing business as Farrell-Hynes Florists, Chicago, Ill. Filed Oct. 4, 1946. Serial No. 510,254.

FOR FRESH FLOWERS AND PLANTS.
Claims use since December 1944.

TRADE-MARK REGISTRATIONS RENEWED

29.290. **"INVINCIBLE".** TYPEWRITER SUPPLIES. Registered Dec. 8, 1896. American Writing Machine Company, Ilion and New York, N. Y. Re-renewed Dec. 8, 1946, to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware. Classes 11—15—37.

29.298. **"MONARCH OF THE OAK" AND DRAWING.** LEATHER OF ALL DESCRIPTIONS. Registered Dec. 15, 1896. Kullman, Salz & Company, San Francisco, Calif. Re-renewed Dec. 15, 1946, to A. K. Salz Company, Santa Cruz, Calif., a corporation of Delaware. Class 1.

29,526. **"W & W" AND DESIGN.** SEWING MACHINES. Registered Jan. 26, 1897. Wheeler & Wilson Manufacturing Company, Bridgeport, Conn. Re-renewed Jan. 26, 1947, to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey. Class 23.

45,183. **SWEET CREAM.** WHEAT FLOUR. Registered Aug. 8, 1905. W. J. Jennison Company, Minneapolis, Minn., a corporation of Minnesota. Re-renewed Aug. 8, 1945. Class 46.

52,710. **"THE QUEEN OF TABLE WATERS" AND DESIGN.** MINERAL WATER. Registered May 15, 1906. The Apollinaris Company Limited, London, England, a joint stock company of Great Britain. Re-renewed May 15, 1946. Class 45.

55,871. **REPRESENTATION OF A DIAMOND-SHAPED FIGURE ON END OF RED COLOR.** MINERAL WATER. Registered Aug. 21, 1906. The Apollinaris Company Limited, London, England, a joint stock company of Great Britain. Re-renewed Aug. 21, 1946. Class 45.

55,872. **REPRESENTATION OF A DIAMOND-SHAPED FIGURE ON END HAVING UPPER HALF BLANK AND LOWER HALF OF RED COLOR.** MINERAL WATER. Registered Aug. 21, 1906. The Apollinaris Company Limited, London, England, a joint stock company of Great Britain. Re-renewed Aug. 21, 1946. Class 45.

56,865. **STANDARD BRAND.** PULVERIZED OR POWDERED CHOCOLATE AND COCOA. Registered Oct. 23, 1906. Frederick Bischoff. Re-renewed Oct. 23, 1946, to F. Bischoff, Inc., New York, N. Y., a corporation of New York. Class 46.

57,410. **"STERLING" AND DESIGN.** TOOL-STEEL. Registered Nov. 13, 1906. Firth-Sterling Steel Company, Pittsburg, Pa. Re-renewed Nov. 13, 1946, to Firth-Sterling Steel Company, McKeesport, Pa., a corporation of Pennsylvania. Class 14.

58,872. **TIFFANY AND CO.** JEWELRY OF ALL KINDS, INCLUDING PRECIOUS STONES AND SOLID AND PLATED PRECIOUS METAL WARE. Registered Dec. 25, 1906. Tiffany & Company, New York, N. Y., a corporation of New York. Re-renewed Dec. 25, 1946. Class 28.

59,780. **PERFECTION.** LUBRICATING OIL. Registered Jan. 15, 1907. Galena-Signal Oil Company, Franklin, Pa. Re-renewed Jan. 15, 1947, to Freedom-Valvoline Oil Company, Freedom, Pa., a corporation of New Jersey. Class 15.

60,346. **"THE POCKET DOCTOR" AND DESIGN.** INHALING DEVICES. Registered Feb. 5, 1907. John Lewis Perkins. Re-renewed Feb. 5, 1947, to American Tissue Mills, Holyoke, Mass., a corporation of Massachusetts. Class 44.

60,371. **"KEEN KUTTER" AND DESIGN.** TRY-SQUARES, STEEL SQUARES, AND FRAMING-SQUARES. Registered Feb. 5, 1907. Simmons Hardware Company. Re-renewed Feb. 5, 1947, to Shapleigh Hardware Company, St. Louis, Mo., a corporation of Missouri. Class 26.

60,407. **REPRESENTATION OF CONCENTRIC CIRCLES.** SODA AND SALERATUS, EITHER ALONE OR WHEN MIXED WITH A POWDERED ACID, AS IS COMMON, TO FORM A BAKING-POWDER AND SAL-SODA. Registered Feb. 5, 1907. Church & Dwight Co. Re-renewed Feb. 5, 1947, to Church & Dwight Co. Inc., New York, N. Y., a corporation of Delaware. Class 6.

60,810. **SULPHO-NAPTHOL.** CHEMICAL PREPARATION USED AS A BACTERICIDE, INSECTICIDE, DISINFECTANT, AND DEODORIZER. Registered Feb. 19, 1907. Saml. Cabot. Re-renewed Feb. 19, 1947, to Samuel Cabot, Inc., Boston, Mass., a corporation of Massachusetts. Class 6.

191,921. **KENOTT.** DENTIFRICE. Registered Nov. 25, 1924. Paul Lajugie. Renewed Nov. 25, 1944, to Societe Anonyme des Etablissements Elizabeth Arden, Paris, France, a corporation of France. Class 6.

198,554. **RICHMOND CREAM.** COFFEE. Registered May 19, 1925. Marks Coffee Company. Renewed May 19, 1945, to W. W. McElmurray, doing business as Marks Coffee Company, Augusta, Ga. Class 46.

204,915. **"ST. DENIS" AND DESIGN.** FACE POWDERS. Registered Oct. 27, 1925. Parfumerie St. Denis, New York, N. Y. Renewed Oct. 27, 1945, to Shulton, Inc., Hoboken, N. J., a corporation of New Jersey. Class 6.

210,205. **GOLDCRAFT.** WATCHCASES. Registered Mar. 9, 1926. Bulova Watch Company, Inc., New York, N. Y., a corporation of New York. Renewed Mar. 9, 1946. Class 27.

214,128. **"K" AND DESIGN.** SPECIAL GLUE FOR PASTEBOARD. Registered June 15, 1926. Compagnie Nationale de Matières Colorantes et Manufactures de Produits Chimiques du Nord Réunies, Etablissements Kuhlmann. Renewed June 15, 1946, to Manufactures de Produits Chimiques du Nord, Etablissements Kuhlmann, Paris, France, a corporation of France. Class 5.

216,892. **"THE WOLSEY" AND DRAWING.** CERTAIN NAMED ARTICLES OF CLOTHING ALL MADE OF KNITTED OR TEXTILE FABRIC FOR MEN, WOMEN AND CHILDREN. Registered Aug. 24, 1926. Wolsey Limited, Leicester, England, an organized company of Great Britain. Renewed Aug. 24, 1946. Class 39.

217,497. **COLORCRAFT.** CLEANING AND POLISHING MATERIALS OR SUBSTANCES. Registered Aug. 31, 1926. John J. Gagnon, Green Bay, Wis. Renewed Aug. 31, 1946. Class 4.

218,197. **GOBINA.** WOOLEN PIECE GOODS. Registered Sept. 21, 1926. Forstmann & Huffmann Company. Renewed Sept. 21, 1946, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Class 42.

218,200. **LHASSANA.** WOOLEN PIECE GOODS. Registered Sept. 21, 1926. Forstmann & Huffmann Company. Renewed Sept. 21, 1946, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Class 42.

218,205. **MIRADA.** WOOLEN PIECE GOODS. Registered Sept. 21, 1926. Forstmann & Huffmann Company. Renewed Sept. 21, 1946, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Class 42.

218,206. **FLORIA.** WOOLEN PIECE GOODS. Registered Sept. 21, 1926. Forstmann & Huffmann Company. Renewed Sept. 21, 1946, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Class 42.

218,207. **CAPRINA.** WOOLEN PIECE GOODS. Registered Sept. 21, 1926. Forstmann & Huffmann Company. Renewed Sept. 21, 1946, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Class 42.

218,209. **HAKIMA.** WOOLEN PIECE GOODS. Registered Sept. 21, 1926. Forstmann & Huffmann Company. Renewed Sept. 21, 1946, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Class 42.

218,213. **RAJANAH.** WOOLEN PIECE GOODS. Registered Sept. 21, 1926. Forstmann & Huffmann Company. Renewed Sept. 21, 1946, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Class 42.

218,274. **FANTOMA.** WOOLEN PIECE GOODS. Registered Sept. 21, 1926. Forstmann & Huffmann Company. Renewed Sept. 21, 1946, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Class 42.

218,275. **MASCOTTA.** WOOLEN PIECE GOODS. Registered Sept. 21, 1926. Forstmann & Huffmann Company. Renewed Sept. 21, 1946, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Class 42.

218,277. **KALIFA.** WOOLEN PIECE GOODS. Registered Sept. 21, 1926. Forstmann & Huffmann Company. Renewed Sept. 21, 1946, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Class 42.

218,278. **KHEDIVA.** WOOLEN PIECE GOODS. Registered Sept. 21, 1926. Forstmann & Huffmann Company. Renewed Sept. 21, 1946, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Class 42.

218,280. **ROLANDA.** WOOLEN PIECE GOODS. Registered Sept. 21, 1926. Forstmann & Huffmann Company. Renewed Sept. 21, 1946, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Class 42.

218,382. **"THE SYMBOL OF SUPREME QUALITY IN WOOLEN FABRICS" AND DESIGN.** WOOLEN PIECE GOODS. Registered Sept. 28, 1926. Forstmann & Huffmann Company. Renewed Sept. 28, 1946, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Class 42.

218,962. **PANKINE.** PHOTOGRAPHIC PLATES, PHOTOGRAPHIC FILMS, PHOTOGRAPHIC PAPERS, CAMERAS, AND PARTS THEREFOR. Registered Oct. 5, 1926. I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Renewed Oct. 5, 1946, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware. Class 26.

218,963. **LUPEX.** PHOTOGRAPHIC PAPERS. Registered Oct. 5, 1926. I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Renewed Oct. 5, 1946, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware. Class 26.

219,143. **KINECHROM.** PHOTOGRAPHIC PLATES, PHOTOGRAPHIC FILMS, PHOTOGRAPHIC PAPERS, CAMERAS AND PARTS THEREFOR. Registered Oct. 12, 1926. I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Renewed Oct. 12, 1946, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware. Class 26.

219,538. **UNCLE TOM'S.** PANCAKE FLOUR. Registered Oct. 19, 1926. Thomas F. Stanton, New Stanton, Pa. Renewed Oct. 19, 1946. Class 46.

219,554. **BISCHOFF'S.** COCOA AND CHOCOLATE PRODUCTS—NAMELY, BREAKFAST COCOA, COCOA POWDERS, CHOCOLATE POWDERS, CHOCOLATE COATINGS, CHOCOLATE LIQUORS, PREMIUM NO. 1 CHOCOLATE, AND SWEET-LUNCH COCOAS. Registered Oct. 19, 1926. F. Bischoff, Inc., Brooklyn, N. Y., a corporation of New York. Renewed Oct. 19, 1946. Class 46.

220,491. **SCIENTIFIC FOOT-BUILDER SUPER-ARCH.** BOOTS AND SHOES OF LEATHER. Registered Nov. 9, 1926. International Shoe Company, St. Louis, Mo. a corporation of Delaware. Renewed Nov. 9, 1946. Class 39.

220,811. **PENOL.** EMULSION FOR USE IN THE TREATMENT OF BRONCHITIS, SORE THROAT, CATARRH, INFLUENZA, PULMONARY AND STOMACH TROUBLES. Registered Nov. 16, 1926. The Carver Penol Company, Inc., Tuskegee, Ala. Renewed Nov. 16, 1946, to Herb Juice-Penol Company, Inc., Danville, Va., a corporation of Virginia. Class 6.

221,160. **"CYLKO" AND DRAWING.** SENSITIZED PHOTOGRAPHIC PAPER. Registered Nov. 23, 1926. Ansco Photoproducts, Inc., Binghamton, N. Y. Renewed Nov. 23, 1946, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware. Class 26.

221,161. **"CYLKO" WITHIN OVAL DESIGN.** SENSITIZED PHOTOGRAPHIC PAPER. Registered Nov. 23, 1926. Ansco Photoproducts, Inc., Binghamton, N. Y. Renewed Nov. 23, 1946, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware. Class 26.

221,396. **TOY TOWN.** CANNED VEGETABLES—NAMELY, PEAS, SAUERKRAUT, MIXED VEGETABLES, AND BEETS. Registered Nov. 30, 1926. The Larsen Company, Green Bay, Wis., a corporation of Wisconsin. Renewed Nov. 30, 1946. Class 46.

221,658. **"MARIE DE MEDICIS" AND DRAWING.** CLEANSING CREAM, CUCUMBER CREAM, LEMON MASSAGE CREAM, LEMON CREAM, CLEANSING CREAM, ALMOND MASSAGE CREAM, VANISHING CREAM, AND CERTAIN OTHER NAMED COSMETICS. Registered Dec. 7, 1926. Michael M. Lerner, doing business as Marie de Medicis Company. Renewed Dec. 7, 1946, to Abram S. Lerner, Philadelphia, Pa. Class 6.

221,820. **REPRESENTATION OF A MAN WITHIN A CIRCLE.** CHEMICALS—NAMELY, OF AN OXIDIZING CHARACTER, INCLUDING ORGANIC AND INORGANIC PEROXIDES AND DERIVATIVES THEREOF. Registered Dec. 14, 1926. Novadel Process Corporation, Buffalo, N. Y. Renewed Dec. 14, 1946, to Novadel-Agene Corporation, Belleville, N. J., a corporation of Delaware. Class 6.

221,822. **JAN THE MILLER.** CHEMICALS—NAMELY, OF AN OXIDIZING CHARACTER, INCLUDING ORGANIC AND INORGANIC PEROXIDES AND DERIVATIVES THEREOF. Registered Dec. 14, 1926. Novadel Process Corporation, Buffalo, N. Y. Renewed Dec. 14, 1946, to Novadel-Agene Corporation, Belleville, N. J., a corporation of Delaware. Class 6.

222,035. **STERLING.** STEEL. Registered Dec. 21, 1926. Firth-Sterling Steel Company, McKeesport, Pa., a corporation of Pennsylvania. Renewed Dec. 21, 1946. Class 14.

222,073. **PONTIAC.** AUTOMOBILES. Registered Dec. 21, 1926. General Motors Corporation, Detroit, Mich., a corporation of Delaware. Renewed Dec. 21, 1946. Class 19.

222,603. **A WHITE BAND ACROSS A RED-COLORED RECTANGULAR FIELD.** CHEMICAL CLEANSING AND WASHING COMPOUND FOR ALL PURPOSES, SAID COMPOUND HAVING CLEANING, DETERGENT, AND WATER-SOFTENING QUALITIES. Registered Jan. 4, 1927. Oakley Chemical Co., New York, N. Y., assignor to Oakite Products, Inc. Renewed Jan. 4, 1947, to Oakite Products, Inc., New York, N. Y., a corporation of New York. Class 6.

222,808. **MORNING TREAT.** COFFEE. Registered Jan. 11, 1927. Lieux Bros., New Rhoads, La. Renewed Jan. 11, 1947, to Morning Treat Coffee Co., Inc., Baton Rouge, La., a corporation of Louisiana. Class 46.

223,204. **BUSINESS CONDITIONS WEEKLY.** PUBLICATIONS—I. E., PAMPHLETS ISSUED WEEKLY. Registered Jan. 18, 1927. Alexander Hamilton Institute. Renewed Jan. 18, 1947, to Alexander Hamilton Institute Incorporated, New York, N. Y., a corporation of Delaware. Class 38.

223,206. **INVESTMENT BULLETIN.** PUBLICATIONS—I. E., A BIWEEKLY BULLETIN. Registered Jan. 18, 1927. Alexander Hamilton Institute. Renewed Jan. 18, 1947, to Alexander Hamilton Institute Incorporated, New York, N. Y., a corporation of Delaware. Class 38.

223,246. **PANCROSS.** WOVEN, KNITTED, NETTED, TEXTILE, AND PILE FABRICS IN THE PIECE COMPRISED IN WHOLE OR IN PART OF SILK. Registered Jan. 25, 1927. Cheney Brothers, South Manchester, Conn., a corporation of Connecticut. Renewed Jan. 25, 1947. Class 42.

223,258. **COLORUBBER.** INSULATED ELECTRICAL CONDUCTING WIRES. Registered Jan. 25, 1927. Belden Manufacturing Company, Chicago, Ill., a corporation of Illinois. Renewed Jan. 25, 1947. Class 21.

223,352. **WINNER.** ICE SKATES. Registered Feb. 1, 1927. F. W. Planert & Sons, Inc. Renewed Feb. 1, 1947, to Planert Skate Company, Chicago, Ill., a corporation of Illinois. Class 22.

223,364. **SONORA.** FACE POWDERS, FACE CREAMS, FACE PACKS, TOILET WATERS, ROUGES, LIP STICKS, EYEBROW PENCILS, SKIN LOTIONS, PERFUMES, HAIR TONICS, AND CERTAIN OTHER NAMED COSMETICS. Registered Feb. 1, 1927. Arthur Winarick, New York, N. Y. Renewed Feb. 1, 1947. Class 6.

223,696. **CHERACOL.** PREPARATION FOR THE TREATMENT OF COLDS, COUGHS, AND OTHER BRONCHIAL AND PULMONARY AFFECTIONS. Registered Feb. 8, 1927. The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan. Renewed Feb. 8, 1947. Class 6.

223,732. **"MONTAGUE" AND DESIGN.** FISHING RODS, PARTS OF FISHING RODS, ROD FORMS AND CONTAINERS, FISHING REELS, PARTS OF FISHING REELS, LANDING-NET FRAMES, GAFF HOOKS, FLY BOXES, CREELS, FISHING LINES, LEADERS, AND SNELLED HOOKS. Registered Feb. 8, 1927. Montague City Rod Company. Renewed Feb. 8, 1947, to Montague Rod and Reel Company, Montague City, Mass., a corporation of Massachusetts. Class 22.

223,891. **GAME & GOSSIP.** SEMIMONTHLY MAGAZINE. Registered Feb. 15, 1927. S. F. B. Morse, Monterey and San Francisco, Calif. Renewed Feb. 15, 1947, to S. F. B. Morse, San Francisco, Calif. Class 38.

224,001. **OMAX.** FACE POWDERS, FACE CREAMS, FACE PACKS, TOILET WATERS, ROUGES, LIP STICKS, EYEBROW PENCILS, SKIN LOTIONS, PERFUMES, HAIR TONICS, AND CERTAIN OTHER NAMED COSMETICS. Registered Feb. 15, 1927. Arthur Winarick, New York, N. Y. Renewed Feb. 15, 1947. Class 6.

224,002. **LUZANT.** FACE POWDERS, FACE CREAMS, FACE PACKS, TOILET WATERS, ROUGES, LIP STICKS, EYEBROW PENCILS, SKIN LOTIONS, PERFUMES, HAIR TONICS, HAIR OILS, AND CERTAIN OTHER NAMED COSMETICS. Registered Feb. 15, 1927. Arthur Winarick, New York, N. Y. Renewed Feb. 15, 1947. Class 6.

224,018. **DIAPHOL.** SYNTHETIC OIL OF JASMINE. Registered Feb. 15, 1927. Arnold Louis Van Ameringen. Renewed Feb. 15, 1947, to Van Ameringen-Haebler, Inc., New York, N. Y., a corporation of New York. Class 6.

224,024. **TALCAL.** CRAYONS AND PENCILS. Registered Feb. 15, 1927. Binney & Smith Company, New York, N. Y., a corporation of New Jersey. Renewed Feb. 15, 1947. Class 37.

224,025. **"PYROTALCAL".** CRAYONS AND PENCILS. Registered Feb. 15, 1927. Binney & Smith Company, New York, N. Y., a corporation of New Jersey. Renewed Feb. 15, 1947. Class 37.

224,026. **AN-DU-SEPTIC.** CRAYONS AND PENCILS. Registered Feb. 15, 1927. Binney & Smith Company, New York, N. Y., a corporation of New Jersey. Renewed Feb. 15, 1947. Class 37.

224,196. **"JAYFORM" AND DESIGN.** MEN'S AND WOMEN'S SHOES OF FABRICS, COMBINATIONS OF FABRICS AND LEATHERS, AND LEATHERS. Registered Feb. 22, 1927. Jacobson Brothers, New York, N. Y., a firm. Renewed Feb. 22, 1947. Class 39.

224,226. **LOK-BON.** TILE AND BRICK. Registered Feb. 22, 1927. The Ohio Clay Company, Cleveland, Ohio, a corporation of Ohio. Renewed Feb. 22, 1947. Class 12.

224,238. **VELVET.** THREAD. Registered Feb. 22, 1927. Standard Thread Company, Inc., New York, N. Y., a corporation of New York. Renewed Feb. 22, 1947. Class 43.

224,250. **COMPO.** CRAYONS AND CHALK. Registered Feb. 22, 1927. Binney & Smith Company, New York, N. Y., a corporation of New Jersey. Renewed Feb. 22, 1947. Class 37.

224,280. **"RICHARED".** APPLE TREES AND NURSERY STOCK. Registered Feb. 22, 1927. Columbia & Okanogan Nursery Company, Wenatchee, Wash., a corporation of Washington. Renewed Feb. 22, 1947. Class 1.

224,283. **REPRESENTATION OF AN EAGLE.** COTTON GINS, COTTONSEED LINTERS, FEEDERS AND CONDENSERS FOR GINS AND LINTERS, AND COTTON CLEANERS. Registered Feb. 22, 1927. Continental Gin Company, Birmingham, Ala., Atlanta, Ga., Dallas, Tex., and Prattville, Ala. Renewed Feb. 22, 1947, to Continental Gin Company, Birmingham, Ala., a corporation of Delaware. Class 23.

224,284. **EAGLE.** COTTON GINS, COTTONSEED LINTERS, FEEDERS AND CONDENSERS FOR GINS AND LINTERS, AND COTTON CLEANERS. Registered Feb. 22, 1927. Continental Gin Company, Birmingham, Ala., Atlanta, Ga., Dallas, Tex., and Prattville, Ala. Renewed Feb. 22, 1947, to Continental Gin Company, Birmingham, Ala., a corporation of Delaware. Class 23.

224,287. **"STROMEYER'S" AND DESIGN.** MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND HAVING NOT MORE THAN THE LEGAL ALCOHOLIC CONTENT, ALSO SIRUPS FOR MAKING SUCH BEVERAGES. Registered Feb. 22, 1927. J. Stromeyer Company, Philadelphia, Pa., a corporation of Pennsylvania. Renewed Feb. 22, 1947. Class 45.

224,301. **BRIGHTEN LEAF.** SIZED METALLIC TRANSFER LEAF COATED ON PAPER FOR HOT-STAMPING PURPOSES, MADE IN VARIOUS COLORS TO IMITATE GOLD, BRONZE, AND ALL COLORS. Registered Feb. 22, 1927. The H. Griffin & Sons Co. Renewed Feb. 22, 1947, to Griffin, Campbell, Hayes, Walsh, Inc., New York, N. Y., a corporation of New York. Class 11.

224,360. **"UNIVERSAL WATER SOFTENER CO." AND DRAWING.** APPARATUS FOR FILTERING AND SOFTENING WATER. Registered Feb. 22, 1927. August A. Meyer, doing business as Universal Water Softener Co. (not Inc.), Maywood, Ill. Renewed Feb. 22, 1947. Class 31.

224,367. **"MONARCH" AND DRAWING.** CRANBERRIES, CANNED SALMON, CANNED TUNNY FISH; CHEESE, INCLUDING PIMENTO, BRICK AND LIMBURGER; DRIED RAISINS, DRIED PRUNES, AND DRIED CURRANTS, SPAGHETTI AND MACARONI, AND ROLLED OATS. Registered Feb. 22, 1927. Reid, Murdoch & Co., Chicago, Ill., a corporation of Illinois. Renewed Feb. 22, 1947. Class 46.

REISSUES

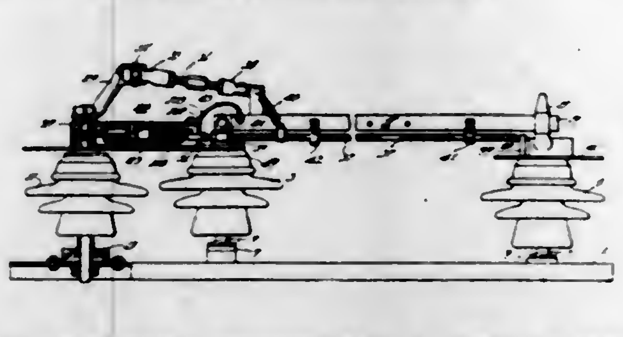
MARCH 18, 1947

22,853
CIRCUIT INTERRUPTER

Herbert J. Crabbs, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, a corporation of Pennsylvania

Original No. 2,112,071, dated March 22, 1938, Serial No. 739,891, August 15, 1934. Application for reissue January 2, 1947, Serial No. 719,702. Renewed March 4, 1937

24 Claims. (Cl. 200—48)



1. In a circuit interrupter; a pair of spaced conducting members; a swingable means adapted to bridge said conducting members when said interrupter is in the closed-circuit position so as to provide an electrical circuit therebetween; said swingable bridging means comprising conducting means and a tubular means for defining an arc passage wherein said conducting means is adapted to move, at least a portion of said tube being lined with a material that is capable of evolving an arc extinguishing gas when placed in proximity to an electric arc; and actuating means for said interrupter including means for moving said conducting means through said arc passage and means for swinging said tube to the open and to the closed circuit position.

22,854
ABRASIVE COMPOSITION AND METHOD OF FORMING SAME

Hermann Kott, West Orange, N. J., and Murray Yawitz, New York, N. Y., assignors to Fish-Schurman Corporation, New York, N. Y., a corporation of New York

No Drawing. Original No. 2,367,358, dated January 16, 1945, Serial No. 488,566, May 26, 1943. Application for reissue October 19, 1945, Serial No. 623,434

14 Claims. (Cl. 51—309)

12. The method of making a diamond tool which comprises agitating the diamonds and during their agitation completely coating the diamonds with metal in molecular form under subatmospheric pressure, placing the diamonds in matrix material, and bonding the coating metal to the matrix material.

PATENTS

GRANTED MARCH 18, 1947

2,417,405

ARTIFICIAL LEATHER PRODUCT

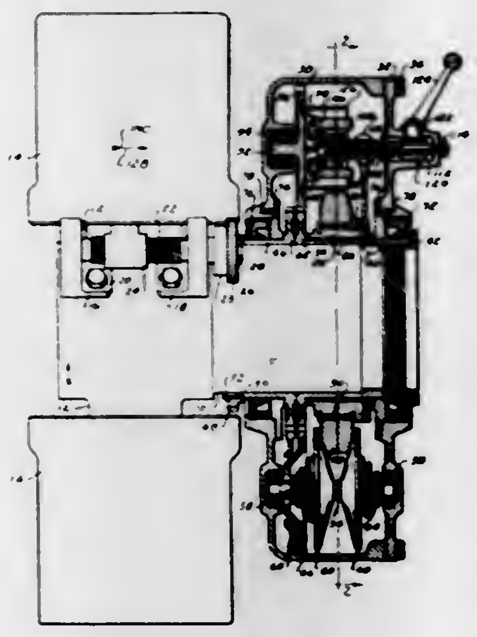
Felix J. Bellac, New York, N. Y.
No Drawing. Application April 6, 1944,
Serial No. 529,835
3 Claims. (Cl. 117—73)

1. As an article of manufacture, a coated flexible fabric sheeting comprising a rubberized fabric base provided with an intermediate coating containing about 15–30% of cellulose nitrate, about 15–30% of a solvent, about 3–8% of dibutylphthalate, about 12–22% of alkyd resins having plasticizing properties, about 2–5% butylstearate, about 10–30% of diluents, about 5–10% of pigments, and about 0.1–0.5% of dioctyl sodium sulfosuccinate, and a final nitrocellulose coating applied to said intermediate coating.

2,417,406

CHANGE-SPEED TRANSMISSION

Harry D. Burkhalter, Jr., Bowling Green, Ohio
Application January 17, 1945, Serial No. 573,234
5 Claims. (Cl. 74—190.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

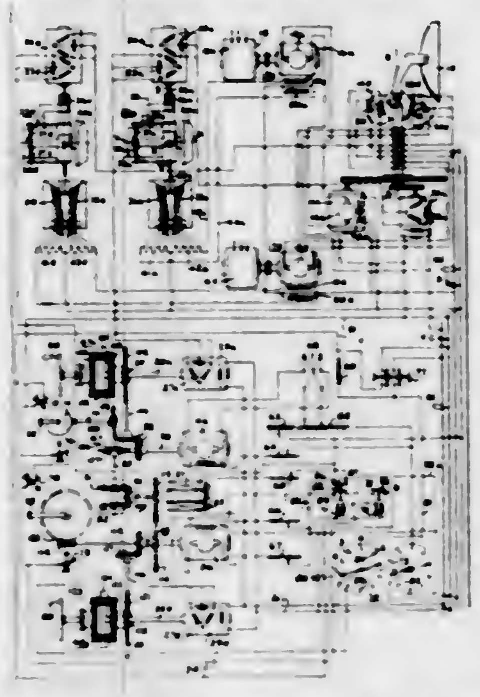


1. An improved change speed transmission which comprises a driving member, a driven member, two countershafts having axes parallel with the driving member axis, means drivably connecting one countershaft to the driving member, means drivably connecting the other countershaft to the driven member for rotating said driven member, a V pulley on each countershaft, each divided into halves on a plane normal to its axis, resilient means urging the halves axially toward each other, a friction wheel having its axis parallel to the driving member axis and having beveled side faces corresponding to the V of the pulleys, said beveled faces extending between said halves to hold them apart, and means to move the axis of said friction wheel toward one pulley and away from the other.

2,417,407

CONTROL APPARATUS

John H. Broadbent, Longmeadow, and John A. Lofgren, Springfield, Mass., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 6, 1945, Serial No. 586,878
10 Claims. (Cl. 172—239)



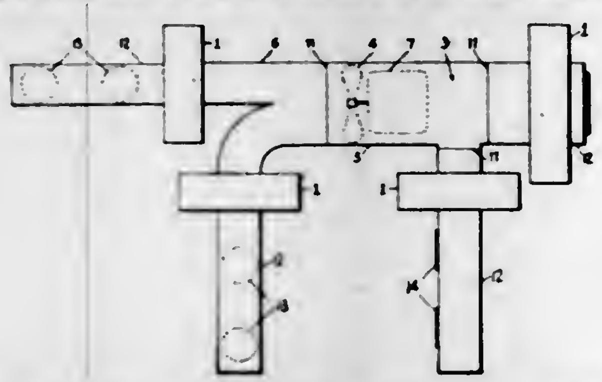
1. In combination, with a body member movable about an axis by means of an operating motor, control apparatus located remotely from the body member and its operating motor and including a rotary output member, a differential including a rotary output element operated by a pair of input elements which are operable in synchronous relation with respect to the output member and said body member, a gyro connected to the rotary output element so that angular velocity of the latter is applied to the gyro about an axis transverse to its spin axis to produce gyro torque about an axis which is transverse to the first axis and to the spin axis, means for controlling the operating motor in response to gyro torque to drive the body member so as to maintain its matched angularly about its axis with the output member, driving motor means, gear mechanism connecting the driving motor means and the output member, a relay for controlling said driving motor means for rotation of the output member alternately in opposite directions, and means for operating the relay in response to movement of the gear mechanism to reverse the direction of motion of the output member.

2,417,408

FLAMEPROOF SCREEN FOR USE IN AIR-CONDITIONING CONDUITS

John W. Ford, Silver Spring, Md.
Application November 26, 1942, Serial No. 467,067
4 Claims. (Cl. 98—33)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

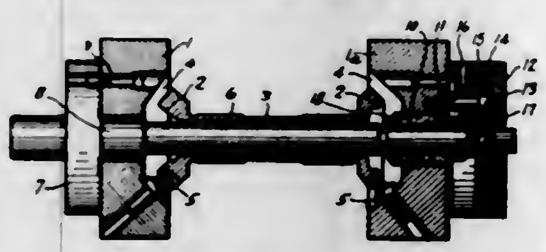
1. Means for preventing fire in a gas duct having a section with potentially spark producing apparatus therein and potentially combustible gases flowing therethrough, comprising means for defining said section, including cooling coils at both ends thereof having a cooling medium commonly fed thereto and commonly controlled from a single stage compressor means, and means for reducing the temperature of said cooling medium sufficiently to condense any combustible vapors in said gases whereby to render said gases nonflammable by accidental sparks.



2,417,409

GEAR CHUCK

John R. Garrison and Ralph P. Garrison, Dayton, Ohio, assignors to Garrison Machine Works, Inc., Dayton, Ohio, a corporation of Ohio
Application November 3, 1941, Serial No. 417,722
5 Claims. (Cl. 51—237)

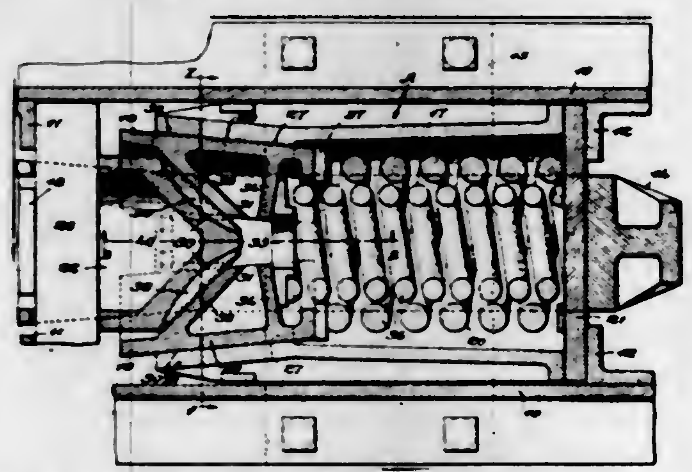


5. In an automatically centering chuck for a duplex gear element, an arbor, a pair of gear chucks disposed thereon in spaced axially aligned opposed relation with each other, having portions thereon for interlocking engagement with the teeth of an interposed double faced gear element, and clamp means engageable with the arbor for axially adjusting the gear chucks into clamping engagement with the interposed gear element.

2,417,410

DRAFT GEAR

William E. Gray, West Lafayette, Ind., assignor to Peerless Equipment Company, Chicago, Ill., a corporation of Delaware
Application September 2, 1944, Serial No. 552,511
10 Claims. (Cl. 213—34)

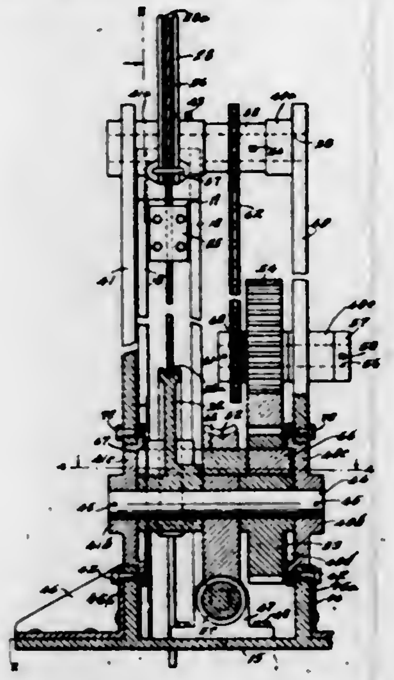


2. A draft gear comprising a housing having an open end portion of generally oval form in cross section rounded at the ends of its major and minor axes and including connecting portions between its said rounded portions flared cross sectionally of the housing with respect to the rounded portions at the ends of the major axis of said open end portion, the rounded portions at the ends of the major axis of said open end portion having internal friction surfaces of cylindrical form extending longitudinally of said open end portion and converging inwardly relative thereto, said connecting portions having internal friction surfaces constituting continuations of said first mentioned friction surfaces and flared cross sectionally of the housing with respect thereto, only two friction shoes in said open end portion of said housing disposed at the ends of its major axis, respectively, and having outer friction surfaces of cylindrical form complementing and constantly engaged with said first mentioned friction surfaces of said open end portion, respectively, said shoes further having side portions with outer flared friction surfaces complementing and engaged with the flared inner friction surfaces of said connecting portions, said shoes being spaced apart and the open end portion of said housing between said shoes being devoid of obstruction to contraction of said open end portion along its minor axis, and means operable in response to draft and buffing forces imposed upon the gear to cause said shoes to exert pressure upon and to elongate the open end of said housing along its major axis and to contract the same along its minor axis, thereby to cause said connecting portions to exert inward pressure against the said side portions of said shoes.

2,417,411

DEVICE FOR RECIPROCATING PUMP RODS

Louis P. Heiman, St. Paul, Minn.
Application February 12, 1945, Serial No. 577,471
18 Claims. (Cl. 74—37)



1. A pump operating mechanism having in combination, a vertically reciprocating pump element, an oscillating member connected to said element for moving it in one direction, a second oscillating member connected to said element for moving it in the opposite direction, a driven rotating member having driving means thereon, a second rotatable member at one side of said driven rotatable member, means connecting said second rotating member and said first mentioned oscillating member to cause the latter to move in reverse direction to said second

rotatable member, means carried by said second oscillating member and said second rotatable member adapted to be moved alternately respectively into engaging relation with said driving means, and cam members for moving said last mentioned means to alternately connect said second mentioned oscillating member and said second rotatable member to said driven rotatable member.

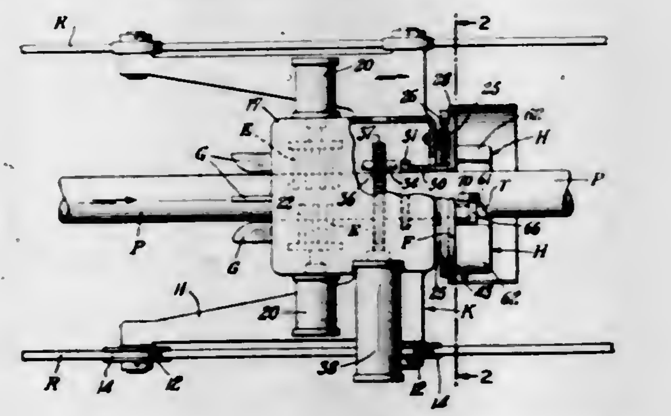
2,417,412

APPARATUS FOR CUTTING TUBES

Harry T. Herbst, Baltimore, Md., assignor to Union Carbide & Carbon Corporation, a corporation of New York

Application January 29, 1944, Serial No. 520,246

8 Claims. (Cl. 266—23)



1. Apparatus for cutting a tube comprising, in combination, a frame member having an aperture through which the tube extends; a block pivotally mounted on said frame member; a tube rider arm slidably secured to said block for longitudinal movement toward and away from said tube in a plane offset from the pivot of said block; a tube rider on said arm for engaging the outside surface of said tube; and a cutting nozzle secured to said block in position to project a stream of cutting oxygen substantially parallel to a tangent to the tube in a plane perpendicular to the longitudinal axis of the tube adjacent the point on the tube engaged by said tube rider.

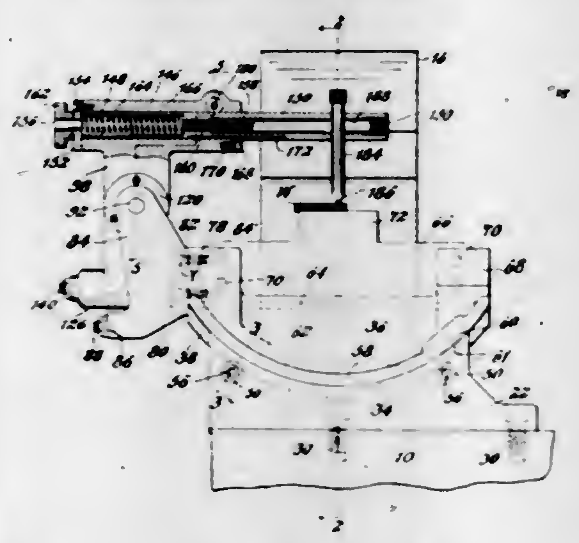
2,417,413

CENTERLESS GRINDING MACHINE

Cecil W. Hopkins, Waynesboro, Pa., assignor to Landis Machine Company, Waynesboro, Pa., a corporation of Pennsylvania

Application January 5, 1945, Serial No. 571,518

8 Claims. (Cl. 51—103)



1. Work supporting and locating means for centerless grinding machines, comprising a work rest plate, a support for said plate, means for angularly adjusting said support to position the work receiving surface of said plate relative to the grinding wheel axis, a device mounted upon said support for movement with and relative thereto and having a finger disposed in angular relation to the path of movement of said device on the support to engage the periphery of the work piece and locate the work piece on the work rest plate with respect to the face of the grinding wheel, and means coacting with said device to yieldingly urge the same in one direction relative to the support and hold said finger in contact with the work-piece.

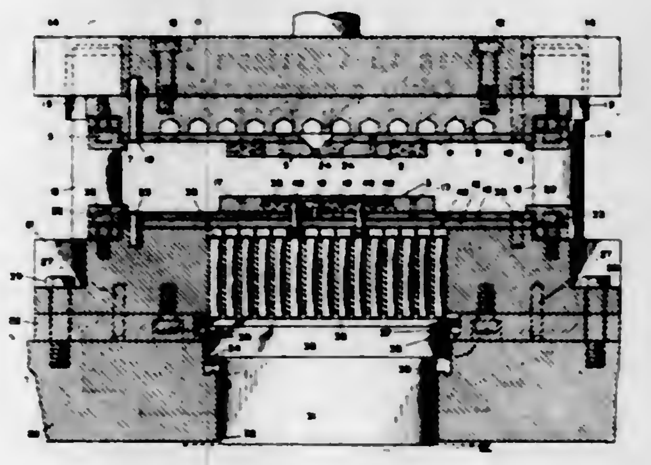
2,417,414

UNIVERSAL STRIPPING ARRANGEMENT FOR DIES

Clarence L. Hornberger, Manheim Township, Lancaster County, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania

Application July 30, 1945, Serial No. 607,768

10 Claims. (Cl. 164—110)



1. In a die set of the type in which a punch die assembly and a cavity die assembly are mounted for relative motion to bring the dies together to work a sheet of material disposed therebetween and in which the cavity die assembly is provided with a stripper plate for ejection of the worked sheet from within the cavity die, a universal stripping arrangement adapted for actuation of stripper plates of various shapes and sizes mounted in said die set comprising a plurality of stripping pins received within closely spaced chambers formed in a die shoe and terminating in the surface of said die shoe, substantially the entire area at said surface being formed of chambers spaced by relatively thin walls, and means for moving said pins in unison to stripping position.

2,417,415

HYDROCARBON TREATMENT

Everett C. Hughes, Cleveland Heights, Ohio, assignor to The Standard Oil Company, Cleveland, Ohio, a corporation of Pennsylvania

No Drawing. Application November 30, 1942, Serial No. 467,296

1 Claim. (44—57)

A motor fuel comprising a Diesel fuel and the reaction product of a cycle gas oil reacted with about 20% of phosphorus pentasulfide at a temperature of about 350° F., said reaction product being in an amount of about 2% based on the mixture of the Diesel fuel and the reaction product, substantially all the sulfur contained in said fuel being supplied by said reaction product.

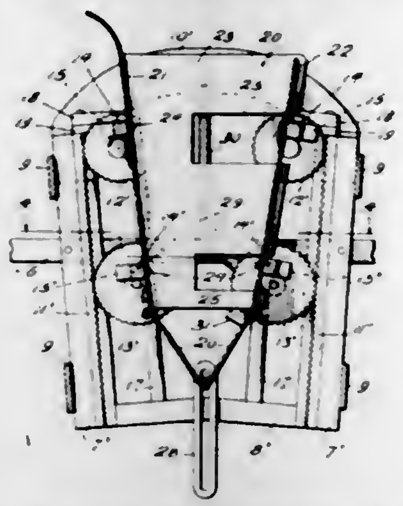
2,417,416

MOP WRINGER

George V. Hutchins, North Hero, Vt.

Application October 23, 1945, Serial No. 624,022

11 Claims. (Cl. 15—261)



11. A mop wringer comprising a supporting frame, a mop receptacle movable vertically with respect to said frame and having opposed side walls at least one of which is movable inwardly toward the other, two upper and two lower wheels connected at eccentric points with the upper and the lower portions respectively of said movable side wall for inwardly pushing said movable side wall when said wheels are rotated in one direction, and upright trackage on said frame and engaging said wheels for rotating said wheels in said one direction as said receptacle is depressed.

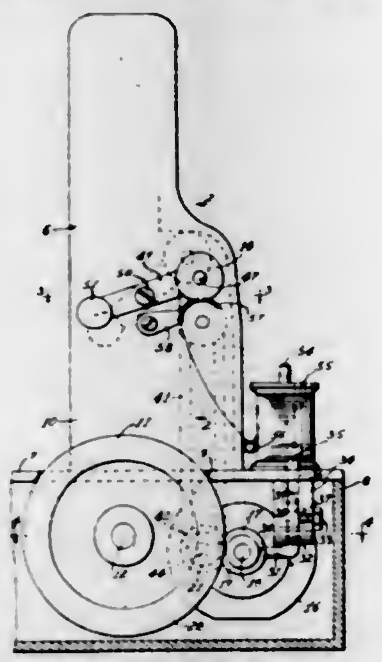
2,417,417

MOTOR DRIVE FOR SEWING MACHINES

Matthew G. Ivandick, Rockford, Ill., assignor to Free Sewing Machine Co., Rockford, Ill., a corporation of Illinois

Application April 1, 1944, Serial No. 529,131

5 Claims. (Cl. 112—220)



1. In a sewing machine, the combination of a shaft for driving the sewing mechanism, a hand wheel on said shaft adapted to be manually operated and also to be driven, bobbin-winding means including a drive pulley disposed in a predetermined laterally spaced relation with respect to the hand wheel, a power shaft, a friction drive pulley rotatable with the power shaft and slidable thereon from one extreme position in driving engagement with the hand wheel to another extreme position in driving engagement with the bobbin-winder drive pulley, and manually operable means for shifting the friction drive pulley from one extreme position to the other.

2,417,418

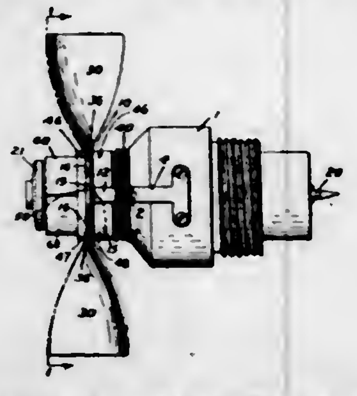
ARMING VANE FOR AERIAL BOMB FUSES

John M. King, Dover, Leo F. Young, Wharton, Archibald E. Reinhard, Dover, and Fred Schultze, Rockaway, N. J.

Application March 10, 1943, Serial No. 478,656

11 Claims. (Cl. 102—81.2)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In an aerial bomb fuse of the type in which segmentary blocks are releasably retained in a ring formation, said fuse having a rotating member for actuating mechanism releasing said blocks, said rotating member providing an annular recess, the said parts being held in a fuse casing provided with a projecting lug apertured at its distal end for the arming wire, the combination of a two-wing propeller, the opposed wings being connected by a semi-circular arcuate neck presenting an open mouth, the said connecting neck terminating in rounded points on both sides of the said mouth opening, and a locking member in the form of a center ring provided with three tongued out tabs, the said connecting neck of the propeller being removably, and the said center ring of the locking member being permanently, received in the said annular recess, one of the facing walls of the recess being provided with a depression for receiving one of the said tongued out tabs, the other pair of the said tabs disposed on either side of the said tab being tongued out in the direction opposite to the said single tab, the said locking member being further provided with a fork-like member projecting from its said center ring provided at its distal end with a pair of tines pressed out of the plane of the said fork member and said center ring in the direction of tonguing of the said pair of ring tabs, the said propeller being adapted to be slipped over the said pair of pressed-out tines and to depress them into the said plane of the fork-like member and the center ring, the said depressed tines snapping behind the said arcuate neck of the propeller to hold the same against withdrawal in the opposite direction, the said pair of rounded points on opposite sides of the open mouth of the propeller being adapted to abut the respective ones of the said pair of tongued tabs of the center ring, whereby the propeller is centered in place relative to the center ring and the said recess, the said center ring of the locking member being further provided with an arm bent to present its distal portion parallel to the said lug of the fuse casing and provided with a distal aperture aligned with the aperture of the said lug, whereby the arming wire may be received through the said pair of aligned apertures.

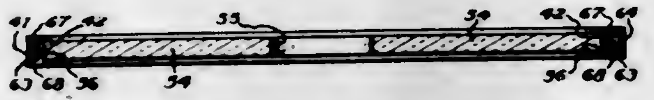
2,417,419

ABRASIVE

Samuel S. Kistler, West Boylston, and Loring Coes, Jr., Brookfield, Mass., assignors to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application August 12, 1942, Serial No. 454,558

19 Claims. (Cl. 51—293)



1. In a method of making an abrasive article, the steps which comprise confining a mixture of abrasive grains and heat responsive bonding material in an envelope made of a material that is substantially rigid at normal temperature but which becomes pliant when heated, heating the assembly to make said bonding material effective and the material of said envelope pliant, and during heating compressing the mixture by applying pressure to a wall of the envelope.

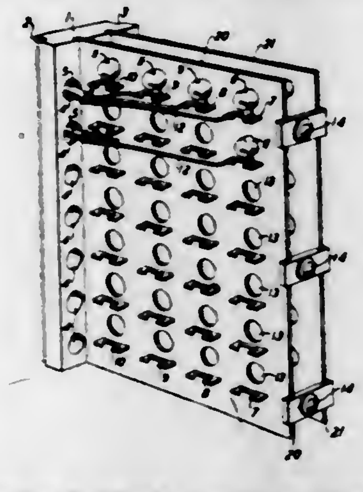
2,417,420

TERMINAL BLOCK

Nicholas Knapp, Jr., Queens Village, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Original application December 4, 1941, Serial No. 421,592. Divided and this application November 29, 1944, Serial No. 565,635

2 Claims. (Cl. 175—298)



1. A terminal block unit comprising a base having a plurality of openings, two aligned sheets of insulating material affixed perpendicularly to said base and in spaced parallel relation with each other to allow for the passage and circulation of air therebetween, a plurality of terminals secured in vertical and horizontal alignment to each of said sheets to form rows and columns with each row in substantial horizontal alignment to an opening in said base and with each terminal in each row in one section oppositely aligned with a corresponding terminal in the corresponding row in the other section, each of said sheets having an aperture for each of said terminals, each aperture in one section being in horizontal alignment with a corresponding aperture in the other section, whereby an apparatus unit is supported in each pair of oppositely aligned apertures for connection to the pair of terminals associated with the pair of apertures, and whereby conductors passed through the openings in said base which are horizontally aligned with the rows of terminals may also be electrically connected to said terminals.

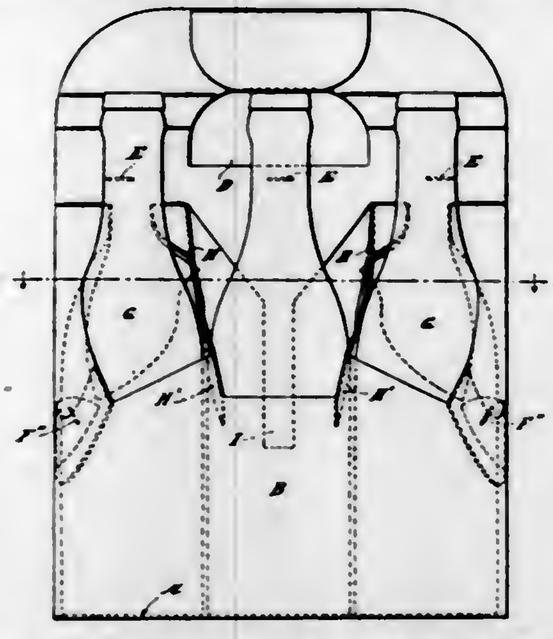
2,417,421

PORTABLE CARRIER

Stanley R. Koolnis, Stamford, Conn.

Application October 11, 1940, Serial No. 360,715

6 Claims. (Cl. 224—45)



1. In a portable bottle carrier having score lines and cut lines defining a bottle supporting section, two side sections, two bottle receiving sections with at least one bottle receiving opening in each, at least one handle carrying section and a multiple number of strips connecting the handle carrying section and its side section, the improvement in blanks for such bottle carrier which comprises at least two complementarily positioned flaps, at least one in each bottle receiving section forming at least part of the cut and scored portions defining a bottle receiving opening, each flap being connected to and scored at a marginal side edge of its opening so as to form in the assembled carrier, when said flap is turned about its score, a bottle confining member, and means for securing the free ends of complementary flaps to each other.

2,417,422

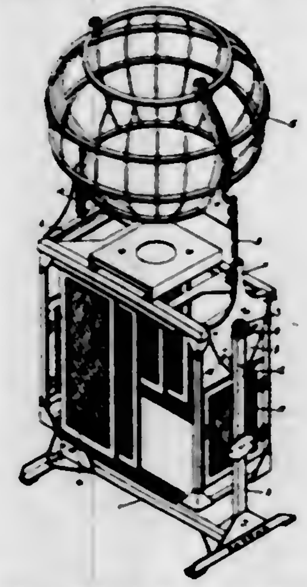
MANIPULATABLE SERVICING SUPPORT

Allen W. Kurtz, Springfield, Ohio, assignor to the Government of the United States of America, as represented by the Secretary of War

Application December 1, 1944, Serial No. 566,170

2 Claims. (Cl. 248—194)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A servicing bench equipment comprising a foot, upwardly extending posts carried thereby, bearings carried by said posts, tubular shafts revolubly journaled in said bearings and provided with annular locking channels, means extending through said bearings and into said channels and preventing longitudinal movement of said shafts in said bearings, frame receiving members carried by said shafts, axle pins extending through said tubular shafts and said frame receiving members and means carried by said axle pins for detachably connecting equipment thereto for servicing.

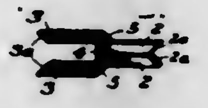
2,417,423

DOUBLE ENDED STAPLE

Joseph C. Lang, Pittsburgh, Pa., assignor to Bocjl Corporation, Pittsburgh, Pa., a corporation of Delaware

Application September 29, 1943, Serial No. 504,256

6 Claims. (Cl. 85—49)



6. A staple having a bridge portion with a pair of legs extending in opposite directions from each side of the bridge portion, the legs and bridge being in a plane, the axes of the legs of one pair being closer together than the axes of the legs of the other pair, the space between the legs of each pair being open, and at least one pair of said legs having outwarly divergent chisel-like terminal portions.

2,417,424

CHEMICAL MODIFICATION OF RUBBER

George H. Latham, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 23, 1941, Serial No. 403,763

11 Claims. (Cl. 260—768)

1. Process which comprises treating an aldehyde-modified rubber from the group consisting of natural rubber and neoprene with an organic compound having from 2 to 3 $—N{=}C{=}X$ groups, wherein X is a chalcogen of atomic weight below 33.

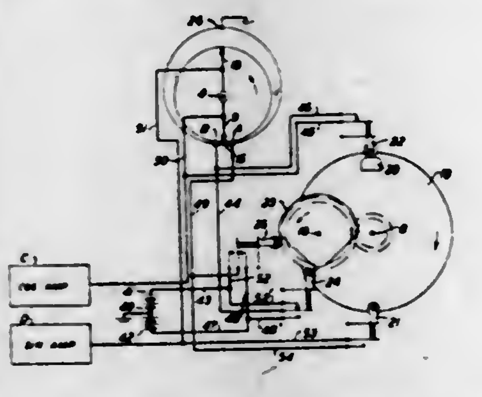
2,417,425

POTENTIOMETER CIRCUIT

Clarence A. Lovell, Summit, and John F. Müller, Montclair, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application June 9, 1944, Serial No. 539,454

6 Claims. (Cl. 171—229)



1. In an electrical computer, a source of voltage, a potentiometer winding connected across said source, a brush selecting from said winding for one passage thereover a voltage proportional to a term required by said computer throughout a limited range of said term and switching means for modifying the connection of said source to said winding whereby on a subsequent passage over said winding said brush selects a voltage proportional to said term throughout a separate range thereof.

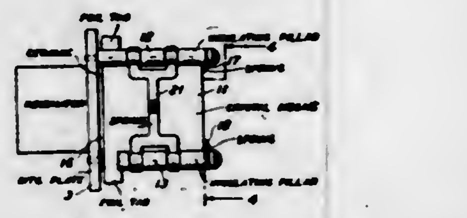
2,417,426

PIEZOELECTRIC CRYSTAL MOUNTING

Warren P. Mason, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application October 6, 1943, Serial No. 505,161

4 Claims. (Cl. 171—327)



1. An electromechanical transducer comprising a cell filled with a liquid having a high cohesive force and immersed in said liquid a mounting plate, a thin flat surfaced ceramic wafer and a plurality of piezoelectric crystals, said mounting plate and said crystals having substantially flat surfaces whereby said crystals are bonded to said mounting plate through said wafer by the cohesive force of said liquid.

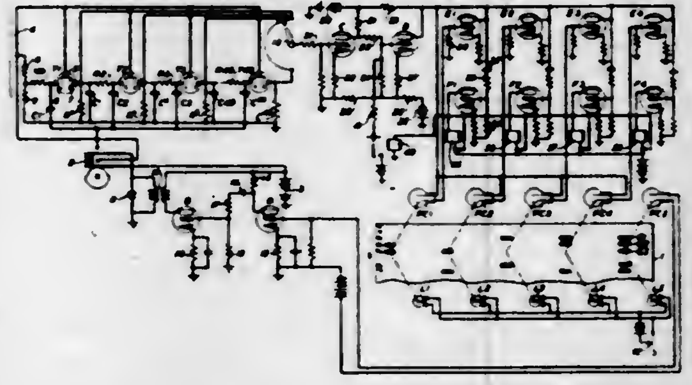
2,417,427

COUNTING CIRCUIT

Robert F. Massonneau, Scarsdale, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application August 21, 1943, Serial No. 499,579

9 Claims. (Cl. 175—320)



1. In a device for scanning a record on which are a plurality of sets of code marks and a guide mark associated with each of said sets, photoelectric scanners for scanning the several elements of the sets of code marks, a photoelectric scanner for successively scanning the guide marks, a train of electronic tubes successively rendered conductive in response to the scanning of successive guide marks, a switching means having its fixed terminals connected respectively to the output circuits of successive ones of said electronic tubes, responsive means, and means associated with the adjustable member of said switching means and operable from said train of tubes in accordance with the setting of said

switching means for rendering the scanning of any desired set of code marks by said code mark scanners effective to selectively operate said responsive means.

2,417,428
LUBRICATING COMPOSITION

Lester W. McLennan, El Cerrito, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application September 19, 1946, Serial No. 697,911
16 Claims. (Cl. 252—35)

1. In the process of producing a lubricant the steps of reacting 1.0 equivalent of a saponifiable material with more than 1.1 equivalents of a basic metal compound in order to effect saponification of the saponifiable material, subsequently increasing the temperature and contacting the reacting mass with oxygen in order to cause a partial oxidation of the soap present, and finally adding mineral oil.

2,417,429
COMPLEX BASIC SOAP GREASES

Lester W. McLennan, El Cerrito, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application April 16, 1945, Serial No. 588,719
23 Claims. (Cl. 252—36)

1. A lubricating composition comprising mineral oil and a metal soap complex, said soap complex having atoms of at least two different metals, at least one of which is polyvalent, and containing a ratio of equivalents of metals to equivalents of saponified high molecular weight organic acids between about 1.1 and 4 and being substantially free from readily titratable excess alkalinity, in which the ratio of equivalents of the different metals is between 0.1 and 3.0.

2,417,430
LUBRICANTS

Lester W. McLennan, El Cerrito, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application March 31, 1945, Serial No. 586,028
21 Claims. (Cl. 252—40.7)

1. A lubricating composition comprising mineral oil and strontium soap complex, the latter being a molecular complex containing a ratio of equivalents of strontium to equivalents of saponified high molecular weight organic acids between about 1.1 and 4, and being substantially free from readily titratable excess alkalinity.

2,417,431
LUBRICANTS

Lester W. McLennan, El Cerrito, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application March 31, 1945, Serial No. 586,029
20 Claims. (Cl. 252—40.7)

1. A lubricating composition comprising mineral oil and magnesium soap complex, the latter being a molecular complex containing a ratio of equivalents of magnesium to equivalents of saponified high molecular weight organic acids between about 1.1 and 4, and being substantially free from readily titratable excess alkalinity.

2,417,432
LUBRICANTS

Lester W. McLennan, El Cerrito, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application March 31, 1945, Serial No. 586,030
7 Claims. (Cl. 252—39)

1. A lubricating composition comprising mineral oil and calcium soap complex, in which the calcium soap complex is made by reacting in the presence of oxygen in excess of one equivalent of a basically reacting calcium compound with one equivalent of a saponifiable material to yield said calcium soap complex containing a ratio of equivalents of calcium to equivalents of saponified high molecular weight organic acids between about 1.1 and 4 and being substantially free from readily titratable excess alkalinity.

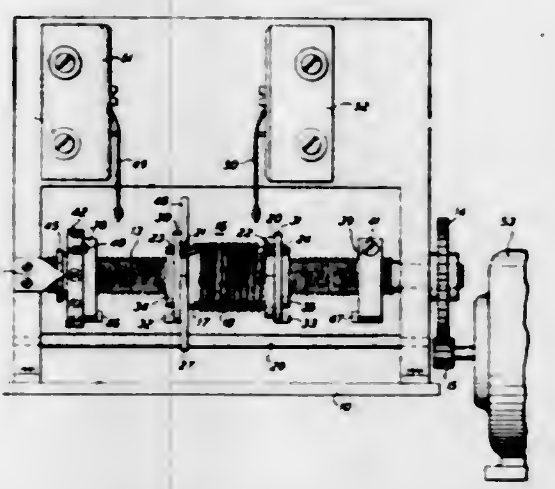
2,417,433
LUBRICATING COMPOSITION

Lester W. McLennan, El Cerrito, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application April 23, 1945, Serial No. 589,941
20 Claims. (Cl. 252—40.7)

1. A lubricating composition comprising mineral oil and a barium soap complex, the latter being an association complex comprising a normal barium soap and a barium salt in which the ratio of equivalents of barium salt to equivalents of normal barium soap is between about 0.1 and 3, said composition being substantially free from readily titratable excess alkalinity.

2,417,434
MECHANICAL STOP DEVICE

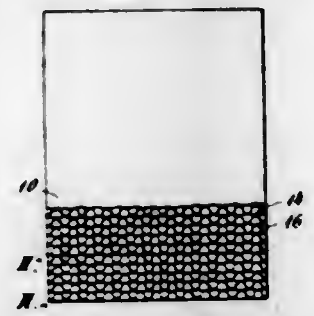
Edward D. Mead, Caldwell, and Frank M. Thomas, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 13, 1945, Serial No. 577,631
6 Claims. (Cl. 192—143)



1. A device for mechanically stopping the rotation of a shaft which comprises supporting means, a threaded shaft journaled therein, means connected to said shaft for imparting a rotating motion thereto, a traveler member threadedly mounted on said shaft and movable longitudinally therealong by the rotating motion thereof, stops on said shaft for limiting the amount of longitudinal movement of said traveler, and shock-absorbing means on said traveler engageable with said stops for cushioning the stopping action of said traveler.

2,417,435
HEAT INSULATION

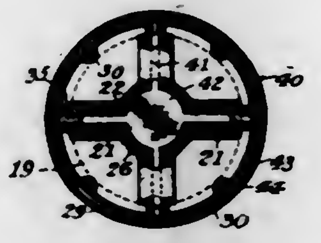
Carl Georg Munters, Stocksund, Sweden
Application January 6, 1944, Serial No. 517,251
In Sweden December 20, 1943
4 Claims. (Cl. 154—45)



1. Heat insulating material comprising spaced substantially parallel plate members, structure disposed between said plate members and secured thereto, said structure comprising a plurality of sheets extending between said plate members transversely thereof and spacing means disposed between said sheets, said spacing means being constructed and arranged to form elongated air chambers between and substantially parallel to said sheets and transversely of said plates, heat transfer being in a path transversely of said plates and parallel to said sheets, the mass of said sheets and said spacing means being less than 60 kilograms per cubic meter and greater than 10 kilograms per cubic meter whereby heat transfer by conduction is held to a minimum, the average spacing between said sheets being maintained within the limits of .5 to 3 millimeters thus fixing the cross-sectional dimension of the said chambers transversely of said sheets at a value determined to be optimum for holding the transfer of heat due to radiation to a minimum.

2,417,436
FLEXIBLE DRIVE COUPLING

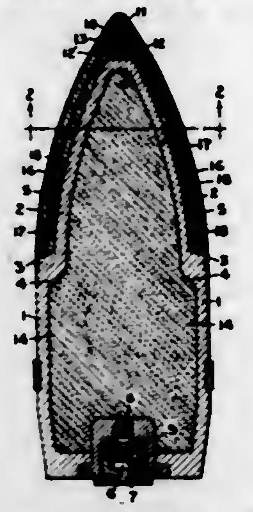
Efrem N. Natkins, New York, N. Y.
Application September 3, 1942, Serial No. 457,153
22 Claims. (Cl. 64—14)



21. A coupling comprising a pair of opposed alinable members each comprising a rotary yoke and spaced lugs, the lugs of one member being disposed between lugs of the other member; an insert between said members comprising a part substantially at the axis of the yokes having arms disposed between and having portions of yieldable material engaging adjacent faces of adjacent lugs; and a restraining ring extending and spaced around the assembly of lugs and positively fastened and secured to the outer ends of the arms and holding said ends against slippage and movement relative to said ends circumferentially of the part of the ring adjacent to said ends, substantially to prevent change of distance between said outer ends thereby substantially to maintain constant the angular relation of the arms to each other.

2,417,437
FUSION PROJECTILE

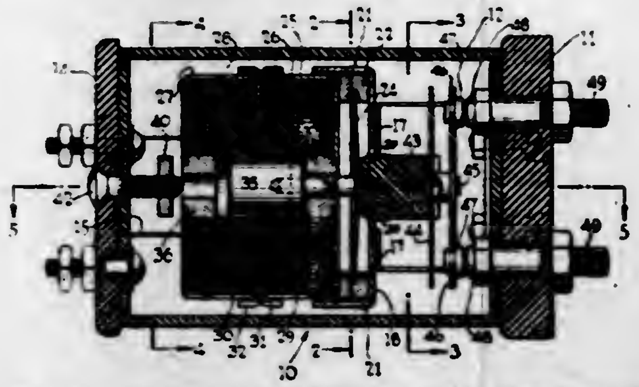
William Nicholas, United States Army, Chicago, Ill.
Application August 6, 1942, Serial No. 453,774
9 Claims. (Cl. 102—90)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A projectile comprising a charge of highly exothermic welding substance near the exterior thereof and a charge of welding flux material exteriorly of and adjacent said substance, and means to initiate thermal reaction of said substance upon firing of said projectile.

2,417,438
ELECTROMAGNETIC SWITCH

Joseph F. O'Brien, Jersey City, and Earl S. Boynton, East Orange, N. J., assignors to John B. Pierce Foundation, New York, N. Y., a corporation of New York
Application October 30, 1943, Serial No. 508,298
7 Claims. (Cl. 175—341)



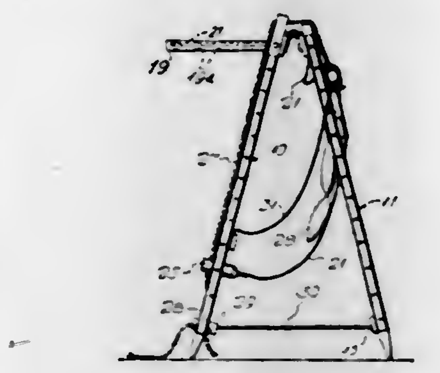
1. In an electromagnetic switch, the combination of spaced side frame members, a sub-base carried by and between said side frame members, a snap spring, means for mounting said snap spring disposed upon said sub-base and confined between said side frame members, solenoid means for actuating said snap spring, and means for securing said solenoid means within said side frame members, comprising a bridge member disposed across said side frame members adjacent the ends thereof and means associated with said bridge means and said solenoid means for adjustably maintaining said solenoid means in position with respect to said sub-base.

2,417,439
CHAIR

William Overdick, New York, N. Y.
Application August 9, 1944, Serial No. 548,670
2 Claims. (Cl. 155—117)

1. A chair comprising a front and a rear frame, each of said frames comprising a pair of spaced

legs, said frames being hinged together at their upper ends, a length of fabric, means securing one end of said length of fabric to the top of said frames, said fabric extending down on said rear frame, a cross member of greater length than the distance between said rear frame legs secured to and extending across said fabric and having the extremities thereof frictionally engaging the rear sides of said rear frame legs, said cross member being thereby slidably mounted on said rear frame legs in a direction at right angles to said cross member and longitudinal with respect to said rear frame legs to carry said fabric therewith, a fixed cross member secured to said rear frame legs and having said fabric passing behind the same in a downward and forward direction, a cross member having a portion of greater length than the distance between said front frame legs having the extremities thereof frictionally engaging the front sides of said front frame legs, said last-named cross member being thereby slidably mounted on and between said front frame legs in a direction at right angles to said last-named cross member and longitudinal with respect to said front frame legs, said fabric after passing around said fixed cross member as aforesaid passing between said frames and having its free end secured to said last-named cross member, ropes passing slidably through the ends of said last-named cross member, said front frame legs having openings through the upper ends thereof, said ropes passing upward from said last-named cross member along said front frame legs and through said openings and down along said rear frame legs and having their ends secured to said first-named cross member, the other ends of said ropes extending in the opposite direction from said last-named cross member for a distance and being adapted to be tied to said front frame.



2,417,440
PREPARATION OF GUANIDINE SALTS

Joseph H. Paden, Glenbrook, and Alexander F. MacLean, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

Application July 3, 1943, Serial No. 493,430

11 Claims. (Cl. 260—564)

1. A method of preparing guanidine salts which comprises the steps of adding an aqueous solution containing from about 20% to 80% by weight of cyanamide to an aqueous solution of ammonia and an ammonium salt having a pH of at least 8 heated to a temperature of at least 75° C. at such rate that the reaction mixture does not contain at any time more than about ¼ mole of unreacted cyanamide for each equivalent of unreacted ammonium salt present therein.

2,417,441
PRODUCTION OF GUANIDINE SALTS

Joseph H. Paden, Glenbrook, and Leslie C. Lane, Jr., Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

Application July 3, 1943, Serial No. 493,431

7 Claims. (Cl. 260—564)

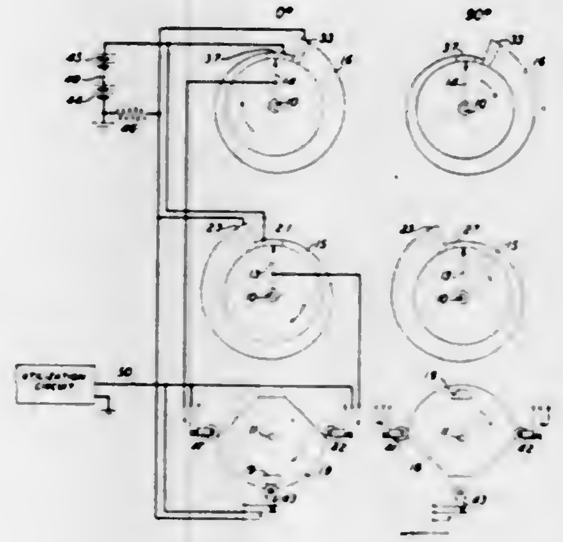
1. A method of preparing guanidine salts which comprises the step of heating at temperatures within the range of 75° C. to 180° C. for a period of time from ten minutes to about three hours a solution in water of one mol of cyanamide and at least two equivalents of an ammonium salt in the presence of sufficient free ammonia to give the solution a pH of at least 8 measured at room temperature.

2,417,442
POTENTIOMETER CIRCUIT

David B. Parkinson, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application June 9, 1944, Serial No. 539,452

4 Claims. (Cl. 171—229)



1. For an electrical computer, means for providing a voltage representing a term required by said computer including a source of voltage, a first potentiometer means for deriving from said source a voltage representing said term over a first limited range thereof, a second potentiometer means for deriving from said source a voltage representing said term over a second limited range thereof overlapping said first range, a utilization circuit and switching means for sequentially applying said derived voltages to said circuit.

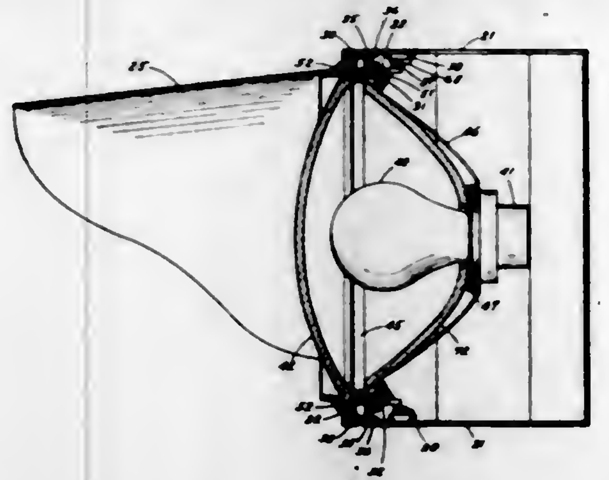
2,417,443
SIGNAL

Joseph N. Paul, Norwalk, Conn., assignor to Automatic Signal Corporation, East Norwalk, Conn., a corporation of Delaware

Application July 19, 1941, Serial No. 403,129

6 Claims. (Cl. 177—329)

1. In a signal having a lens, a housing and a door for the housing, and said door providing a substantially central opening to receive said lens, a toggle catch mechanism between said housing and door, and means supporting said mechanism on the inside of said door and bearing against said lens to hold said lens in said door.

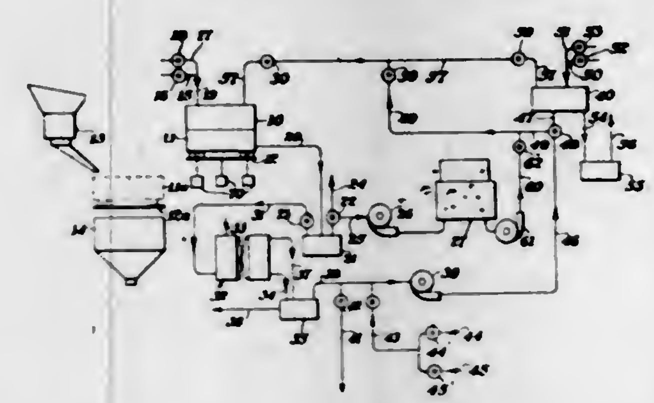


2,417,444
PRODUCTION OF METALS FROM THEIR OXIDES

Robert D. Pike, Pittsburgh, Pa.

Application May 11, 1943, Serial No. 486,527

1 Claim. (Cl. 75—91)



The process of reducing metallic oxide without fusion comprising placing the oxides in a gas permeable bed upon a gas permeable support in a container and carrying out the several steps necessary for reduction and for placing the reduced metal in a relatively cool condition suitable for exposure to the air, separately and serially carrying out the following steps without movement of the charge as follows; first, heating by down-draft passage through the bed with gas of combustion in which free oxygen is substantially absent, diverting a portion of this gas after passing through the bed for use in cooling; second, passing reducing gas at about the same temperature as the bed downwardly through it to effect reduction of the oxide; third, passing unheated reducing gas downwardly through the bed to effect a partial cooling of reduced oxide; fourth, completing cooling by passing aforesaid unheated gas of combustion downwardly through the bed; fifth, dumping the reduced charge and replacing it with a fresh charge of oxide for repetition of the series; cooling the spent reducing gas issuing from the bed with water to remove CO_2 and H_2O formed in reducing the oxides, diverting the portion of the cooled regenerated reducing gas to be used in aforesaid cooling of reduced oxide, mixing the make-up reducing gas with the balance, heating the mixed reducing gas for use with a fresh charge of oxide for reduction thereof.

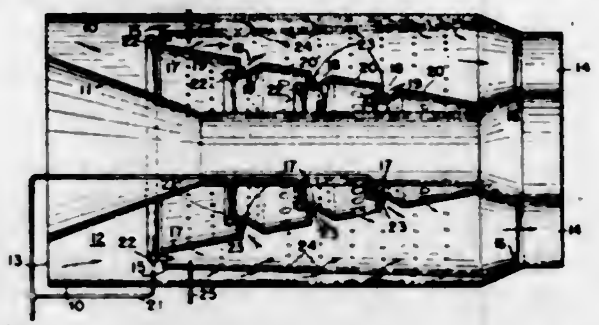
2,417,445
COMBUSTION CHAMBER

Benjamin Pinkel, Cleveland, Ohio

Application September 20, 1945, Serial No. 617,658

9 Claims. (Cl. 263—19)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



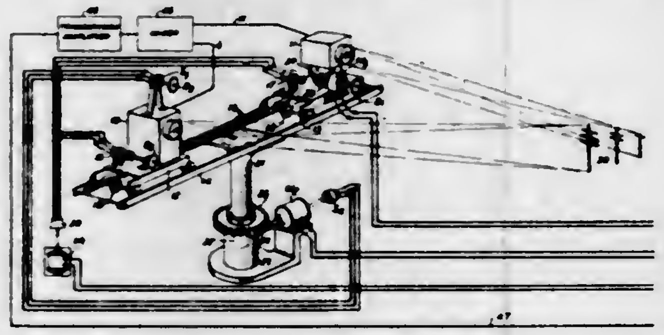
1. A combustion chamber comprising a combustion basket in said chamber, a plurality of recesses in said basket, fuel inlet means in said recesses, air inlet means in said recesses and air inlet means disposed between the said recesses.

2,417,446
STEREOTELEVISION AND TELEVISION RANGE FINDING

Frederick William Reynolds, Ridgewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application August 1, 1941, Serial No. 405,031

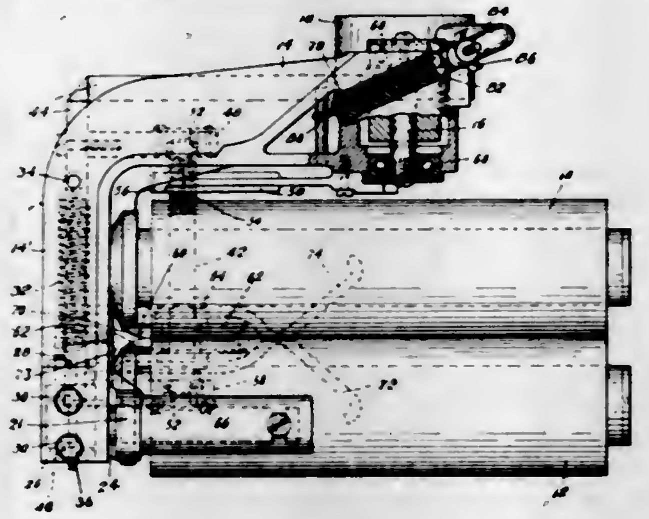
7 Claims. (Cl. 33—65)



6. In a television system, a first means for deriving vision signals representative of the light-tone values of one aspect of a selected portion of an object field, a second means for deriving vision signals representative of the light-tone values of a different aspect of said selected field portion, said second means being spaced from said first means and being angularly rotatable relatively to said first means to permit aiming of both of said means towards said selected field portion, means for transmitting said signals to a receiver station, means at said receiver station for synthesizing separate images from said signals in a juxtaposition such as to convey to an observer binocularly viewing said images an impression of the depth of said object field, means under control of said observer for varying the relative angular displacement of said signal deriving means to bring them to bear on a field portion which is more or less remote, other means under control of said observer for varying the spacing of said signal deriving means to vary said impression of depth, an indicator and scale coupled to said rotatable signal deriving means and arranged to indicate the amount of said rotation, another indicator and scale coupled to one of said signal deriving means and arranged to indicate the amount of said spacing, each indicator and scale being disposed in position to be televised by one of said signal deriving means.

2,417,447
CLOTH GUIDER

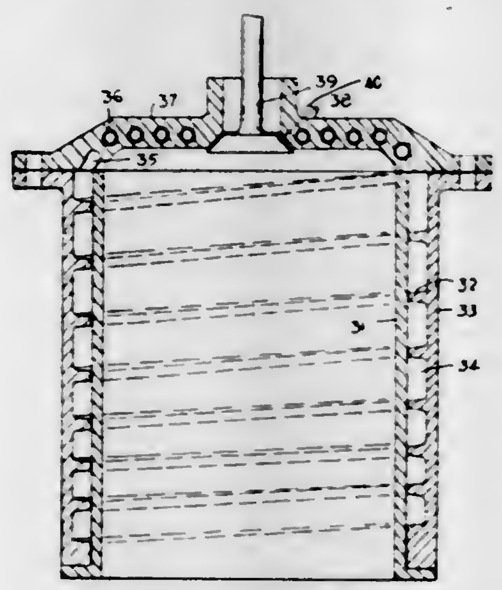
John D. Robertson, Taunton, Mass., assignor to Mount Hope Machinery Company, Taunton, Mass., a corporation of Massachusetts
Application May 17, 1945, Serial No. 594,325
21 Claims. (Cl. 26—67)



1. In a web guiding machine, a pivoted unit having a pair of co-acting rolls for engaging opposite faces of a travelling web at a marginal region of the web, rotatable means on an axis transverse of the axes of said rolls and in the path of outward travel of said marginal region of said travelling web and adapted to be rotated by frictional engagement of said outward travelling web therewith, and means responsive to a rotation of said rotatable means for effecting a movement of said pivoted unit about its pivot.

2,417,448
COOLING AN INTERNAL-COMBUSTION ENGINE

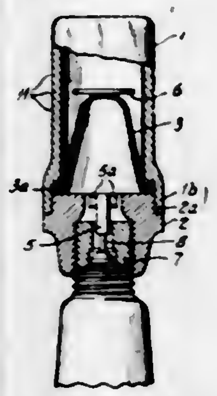
Auguste Louis Marie Antoine Rouy, New York, N. Y.
Application November 25, 1944, Serial No. 565,146
14 Claims. (Cl. 123—173)



5. An internal combustion or explosion engine having an engine cylinder formed with integral external vanes extending upwardly from the lower end of the cylinder to the upper end thereof and providing a spiral water channel around the cylinder, the vanes being arranged in a varying pitch from their lower end to their upper end, whereby the channel decreases in cross sectional area upwardly, and a wall enclosing said vanes to confine the flowage of water in said channel.

2,417,449
TIRE INFLATION INDICATOR VALVE CAP

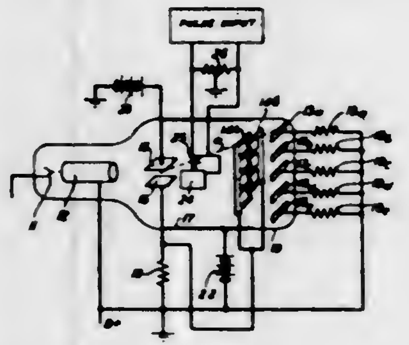
Paul Rubin, Shamokin, Pa.
Application March 21, 1945, Serial No. 584,005
1 Claim. (Cl. 73—390)



A permanent pressure indicator for tire inflation comprising a transparent wall elongated chamber closed at one end, a base therefor adapted for attachment to a valve stem, a stretchable diaphragm having a peripheral edge hermetically held between the base and adjacent open end of the chamber, permitting said diaphragm to distend into the chamber with varying air pressure, a central cap on said diaphragm adapted to move freely in said chamber subject only to varying air pressure on said diaphragm, and optimum calibrations on wall portions of said chamber whereby through said transparent wall of the chamber the extent of distension of the said diaphragm is constantly visible and with respect to registration with said calibrations to indicate at a glance variations of air pressure of the tire.

2,417,450
ELECTRON DISCHARGE DEVICE

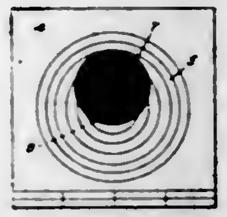
Raymond W. Sears, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 2, 1945, Serial No. 591,505
20 Claims. (Cl. 315—21)



1. An electron discharge device comprising a plurality of targets mounted in a row, means for projecting an electron beam toward said targets, and means for selectively directing said beam to impinge upon one or another of said targets, said directing means comprising a first deflecting means effective when energized to deflect said beam in the dimension parallel to said row, a second deflecting means effective when energized to deflect said beam in a direction at an angle to said dimension, means for energizing said second deflecting means and means responsive to deflection of said beam by said second deflecting means for energizing said first deflecting means.

2,417,451
TARGET

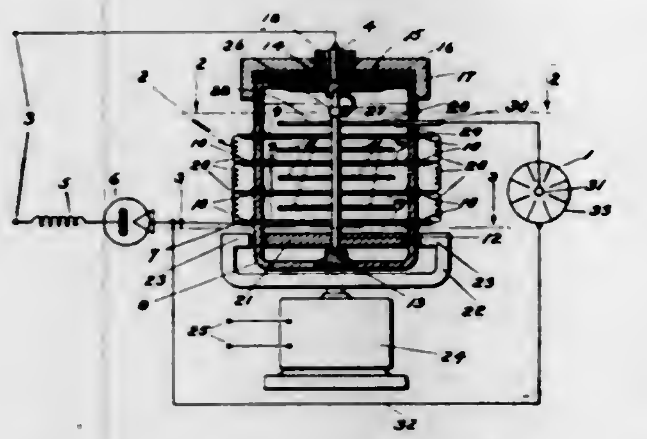
Fred W. Schaffner, Mount Washington, Ohio
Application January 23, 1943, Serial No. 473,297
6 Claims. (Cl. 273—102)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



3. A target for a gun equipped with a front sight having an upstanding blade and a rear sight having a peep-hole through which said blade and the target are viewed in sighting, said target comprising a first circular bull's-eye surrounded by a series of concentric circles defining areas of radially outwardly diminishing score values, there being a second bull's-eye on said target larger than said first bull's-eye and symmetrical about the vertical diameter of said first bull's-eye, said second bull's-eye having a maximum transverse dimension equal to that subtended by said blade when viewed through said peep hole at a predetermined range, said bull's-eyes having one point only of the lowermost portions of their outer boundaries in common.

2,417,452
ELECTRICAL SYSTEM

Karl J. Stiefel, Waltham, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application January 17, 1944, Serial No. 518,653
10 Claims. (Cl. 171—97)



1. An electrical system comprising a condenser comprising a condenser element having a plurality of circularly disposed arms, another condenser element having a plurality of arm sections disposed concentrically around said first condenser element, said arm sections being spaced from each other to form intervening spaces, said condenser elements being relatively rotatable to cause said arms alternately to be aligned with said arm sections and with said spaces, means for charging said condenser to a predetermined voltage when said arms and arm sections are in alignment, means for rotating said condenser elements with respect to each other, and means for discharging said condenser when said arms and arm elements are out of alignment with each other.

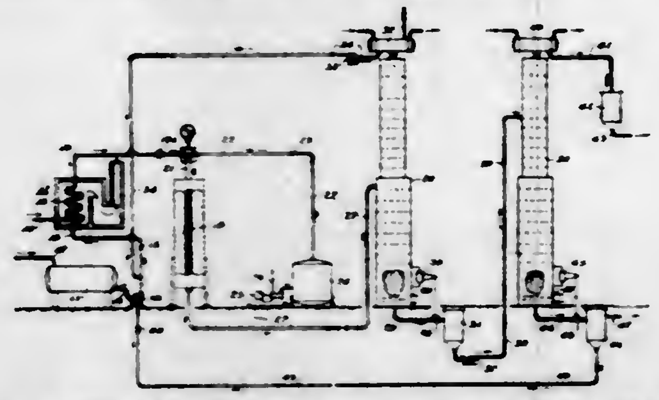
2,417,453
PROCESS OF PRODUCING A TEXTILE PRODUCT

Worth Wade, New York, N. Y., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 8, 1943, Serial No. 513,495
4 Claims. (Cl. 28—73)

1. A process of producing a textile product comprising forming a structure of composite, potentially adhesive filaments comprising at least two integral portions, one of said portions being a core portion and the other being a sheath portion, exterior to and encasing said core portion and forming a smooth longitudinally continuous and homogeneous filament surface, the core portion being formed of organic material of non-cellular structure, and the sheath portion being formed of a thermosetting resin in the thermoplastic state, heating said structure to cause the sheath portions of adjacent filaments to soften and adhere to each other, and to cause interpolymerization of the thermosetting resin comprising said sheath portions so adhered to each other, and continuing polymerization of said thermosetting resin to the infusible state, whereby the filaments of the structure are bonded to each other at their points of intercrossing, and the bonds between said filaments rendered resistant to heat.

2,417,454
SYNTHESIS OF ETHYLATED AROMATIC COMPOUNDS

Ben Bennett Corson, Pittsburgh, and Lynn Joseph Brady, Ross Township, Allegheny County, Pa., assignors, by mesne assignments, to Koppers Company, Inc., a corporation of Delaware
Application February 13, 1943, Serial No. 475,752
15 Claims. (Cl. 260—671)



1. A process for preparing predominantly only mono-ethyl benzene from a mixture of benzene and substantially pure ethylene, said process comprising: continuously and concurrently flowing in admixture benzene and substantially pure ethylene, with the molar ratio of benzene to ethylene greater than 1:1, into contact with a confined mass of a granular solid phosphoric acid alkylation catalyst that is maintained at a temperature between about 260°-315° C. and is adapted at said temperatures to react said ethylene with said benzene to form ethyl benzene; maintaining the reactants aforesaid in contact with said catalyst for a period of from about 14 to 145 seconds and at a pressure between 200 and 900 pounds pressure per sq. in. and thereby forming substantially only ethylated benzene and predominantly only mono-ethyl benzene from said reactants in contact with said catalyst; continuously displacing reactants from contact with said catalyst mass by aforesaid admixture flowing into contact therewith; and recovering mono-ethyl benzene from so displaced reactants.

2,417,455

TERPENE ETHERS

Richard F. B. Cox, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application October 4, 1943, Serial No. 504,927

4 Claims. (Cl. 260—611)

1. An ether of a terpene and a nitro-substituted monohydric alcohol selected from the group consisting of nitroethanol, 2-methyl-2-nitropropyl alcohol, and nitroisoamyl alcohol.

2,417,456

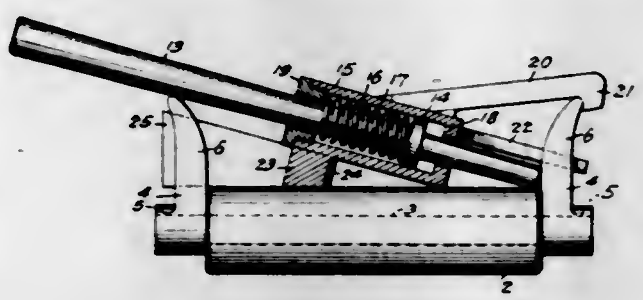
TOOL FOR REMOVING CONNECTORS FROM TREADS

Welton L. Crosby, Phoenix, Ariz.

Application September 21, 1944, Serial No. 555,161

9 Claims. (Cl. 59—7)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A device for removing connectors from the treads of track-laying vehicles comprising an elongated punch having a driving end and a driven end, and an extension positioned at the driving end of said punch and terminating in a hook shaped end, said hook shaped end being laterally spaced from said driving end a predetermined distance and restrained against movement laterally away from said punch during operation of the device.

2,417,457

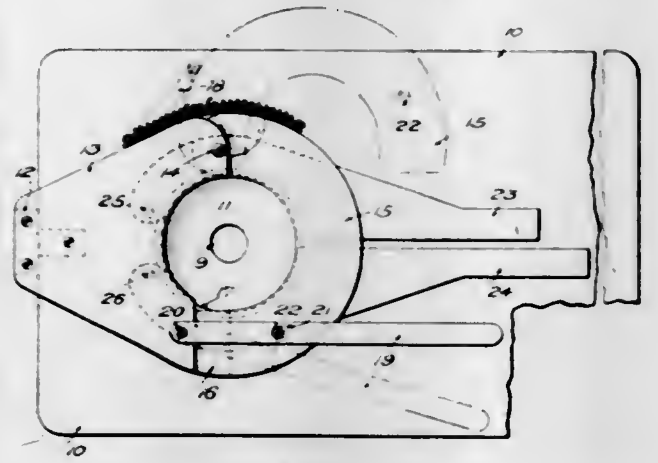
SHELL SEPARATOR FOR SEMIFIXED AMMUNITION

Eugene W. De Moore, New York, N. Y.

Application July 5, 1943, Serial No. 493,504

3 Claims. (Cl. 86—1)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. A device for facilitating the removal of projectiles from and reassembly with their cases of semi-fixed ammunition, a stationary base having a recess to receive the base of the case, said base being of a size upon which the operator may stand in operating the device, a pair of levers pivoted at their inner ends adjacent said recess and having face portions for engagement with the case and arms extending sufficiently from said recess and positioned to be engaged by the feet of the operator to actuate the levers to grip the case and hold the same while force is being applied to the projectile, and means above the base for guiding the projectile in its movement relative to the case.

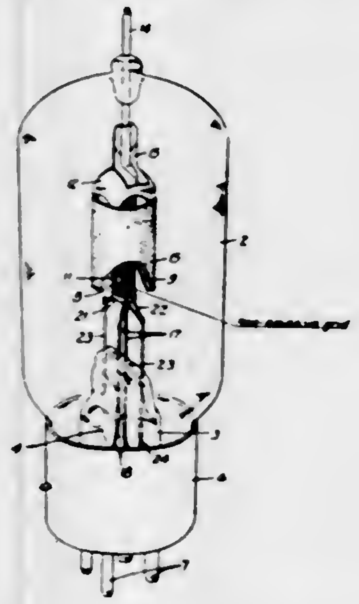
2,417,458

ELECTRODE

William W. Eitel, Woodside, and Jack A. McCullough, Millbrae, Calif., assignors to Eitel-McCullough, Inc., San Bruno, Calif., a corporation of California

Original application July 28, 1943, Serial No. 496,686. Divided and this application March 20, 1944, Serial No. 527,294

4 Claims. (Cl. 250—177)



1. A non-emissive electrode for electron tubes, said electrode having a surface layer consisting essentially of oxygen, tantalum and tungsten, the oxygen being combined as an oxide of at least one of said metals.

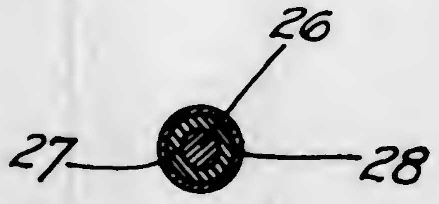
2,417,459

ELECTRON TUBE AND ELECTRODE FOR THE SAME

William W. Eitel, Woodside, and Jack A. McCullough, Millbrae, Calif., assignors to Eitel-McCullough, Inc., San Bruno, Calif., a corporation of California

Application May 21, 1945, Serial No. 594,847

3 Claims. (Cl. 250—27.5)



1. An electron tube comprising an envelope, and a plurality of electrodes in the envelope including a grid comprising a core of molybdenum, an intermediate layer of tantalum, and a surface layer of an electron emission inhibiting material.

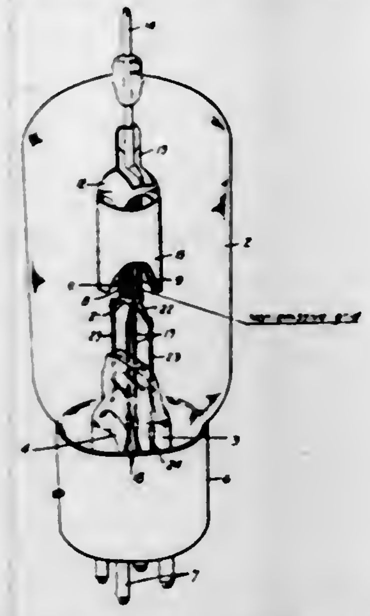
2,417,460

NONEMISSIVE ELECTRODE FOR ELECTRON TUBE AND METHOD OF MAKING THE SAME

William W. Eitel, Woodside, and Jack A. McCullough, Millbrae, Calif., assignors to Eitel-McCullough, Inc., San Bruno, Calif., a corporation of California

Application July 25, 1945, Serial No. 606,926

7 Claims. (Cl. 250—177)



1. An electron tube having a thoriated cathode and a non-emissive electrode, said electrode having a surface layer including two refractory metals and oxygen combined as an oxide of at least one of said metals formed by reduction of a mixture of oxides of said metals, for inhibiting primary emission on contamination of the electrode with thorium, said metals being selected from the group consisting of tantalum, tungsten, molybdenum, columbium, vanadium, chromium, titanium, zirconium, and beryllium.

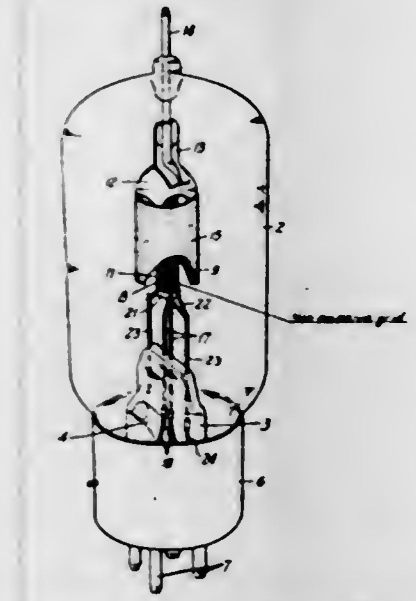
2,417,461

ELECTRON TUBE AND METHOD OF MAKING SAME

George A. Becker, San Bruno, Calif., assignor to Eitel-McCullough, Inc., San Bruno, Calif., a corporation of California

Application August 31, 1945, Serial No. 613,894

7 Claims. (Cl. 250—177)



6. The method of making an electrode for an electron tube, which comprises mixing together finely divided oxides of two refractory metals selected from the group consisting of tantalum, tungsten, molybdenum, columbium, vanadium, chromium, titanium, zirconium and beryllium, heating the mixed oxides in a reducing atmosphere at a temperature sufficient to effect reduction of said oxides and to form particles comprising the metals and oxygen combined as an oxide of at least one of said metals, then coating the electrode with the mixture, and then heating the coated electrode in vacuum prior to mounting it in the tube.

2,417,462

TREATMENT OF TRICALCIUM PHOSPHATE FOR IMPROVING FLUORINE ADSORPTIVENESS

Howard Adler, Flossmoor, Ill., assignor to Victor Chemical Works, a corporation of Illinois

No Drawing. Application August 24, 1938, Serial No. 226,576

4 Claims. (Cl. 23—109)

1. The method of treating a compound of the class consisting of hydroxy tricalcium phosphate and trimagnesium phosphate to improve the fluorine adsorptiveness thereof which comprises contacting a fluorine-containing compound of said class with a weak aqueous solution of an alkali to remove fluorine therefrom, and then treating the alkalized material with a dilute hydrochloric acid solution to neutralize excess alkali.

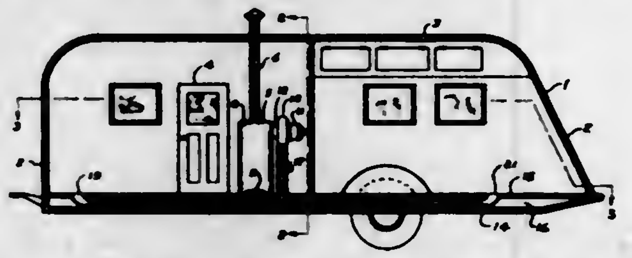
2,417,463

APPARATUS FOR COMPARTMENT HEATING

Rex R. Anderson, Marshall, Mich.

Application November 14, 1944, Serial No. 563,371

4 Claims. (Cl. 237—43)



1. An apparatus of the character described, which comprises a house trailer with a compartment normally closed to the atmosphere and having a double floor with an insulated bottom wall and with a wide but relatively shallow air space therebetween extending under a major portion of the floor area, a heating means in said compartment, a tubular duct system in the shallow air space of the double floor, said tubular duct system extending substantially to both ends of said compartment, outlets from the ends of said duct system into said compartment, and means for forcing air through said compartment, heating means and duct system in series in a substantially closed circuit, whereby air is circulated in said compartment from the duct outlets to the heating means and the floor over said shallow air space is warmed by heat radiated therein from said duct system.

2,417,464

METAL CONTAINER

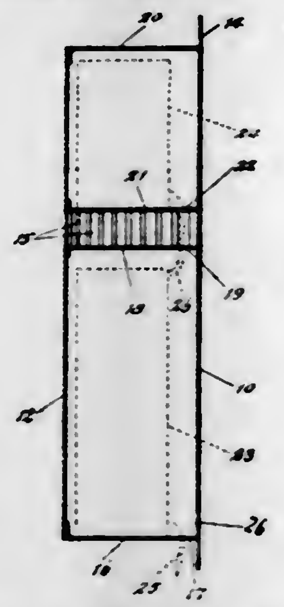
William F. Bayne, North Bergen, N. J., assignor to Duro-Test Corporation, North Bergen, N. J., a corporation of New York

Application March 6, 1945, Serial No. 581,279

2 Claims. (Cl. 220—20)

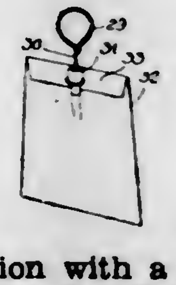
1. A housing for fluorescent lamp accessories which generate heat in normal use which must be dissipated, comprising a base plate, an open

ended hood detachably secured to said base plate, a pair of walls closing the open ends of said hood, and a pair of intermediate walls relatively closely spaced and dividing the space within the hood into separate compartments in which said accessories are to be mounted, said hood being slotted in the region between said intermediate walls, whereby said intermediate walls act as radiators for the heat generated by the accessories which heat is dissipated by circulation through said slots.



2,417,465
DETACHABLE HANDLE FOR PAPER BAGS

Hugh P. Botts, New York, N. Y., assignor of one-half to Lawrence G. Botts, New York, N. Y.
Application February 25, 1944, Serial No. 523,939
19 Claims. (Cl. 229—54)

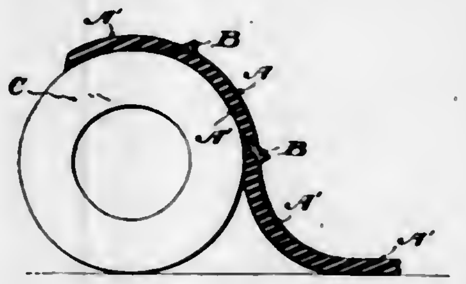


1. The combination with a paper bag of the class described, of a handle member for detachable coupling with said bag, said handle member comprising a strand, enlarged portions at spaced intervals on the strand, a pair of sleeves mounted on the strand inwardly of said enlarged portions, said sleeves having slots longitudinally of the wall thereof, and the wall portions of a paper bag being adapted to be wrapped around enlarged portions of said strand and secured thereto by wedge engagement of the sleeves with that portion of the walls of the bag arranged on said enlarged portions.

2,417,466
MANUFACTURE OF PNEUMATIC TIRE TREADS

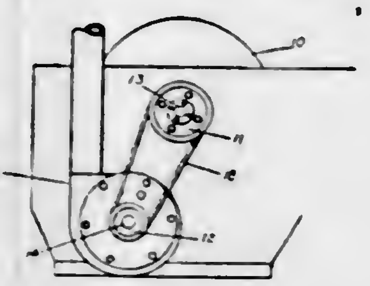
Nannie H. Brewer, Rockville, Md.
Application July 12, 1944, Serial No. 544,576
1 Claim. (Cl. 154—14)

In the manufacture of pneumatic tires for airplanes and the like, the step of forming a plurality of uncured sections of outer tread stock having their ends cut on a bias, placing the sections on a tire carcass before curing of the tire; interposing metallic spikes between the adjacent ends of the stock sections, said spikes being shaped to form pockets in the outer tread opening at the surface of the outer tread and extending inwardly to the carcass, said pockets being all inclined in the same direction at a slight angle with respect to the adjacent outer surface of the tire; curing the said tire; and removing the said spikes.



2,417,467
PULLEY MOUNTING

James G. Bryant, Jr., Port Huron, Mich.
Application October 14, 1943, Serial No. 506,251
2 Claims. (Cl. 74—230.1)



1. A pulley comprising a hub body constructed to be fixedly engaged directly upon a shaft or the like and having a planiform sheave supporting end face extending from and normal to the shaft, a sheave member having a concentric bore substantially larger than the shaft and having a planiform face normal to its axis in snug and radial sliding abutment with said face of the hub body, releasable means to secure the sheave rigidly against the hub, the securing means including at least one member in the hub and in the sheave adapted to form a pivotal connection between the hub and the sheave when otherwise released while in said snug abutment, a centering member concentric with the axis of the hub translatively slidable on said axis and of an external size to fit in said bore of the sheave, and concentrically disposed screw means operative between the centering member and the hub to move the centering member from and to centering engagement within the sheave.

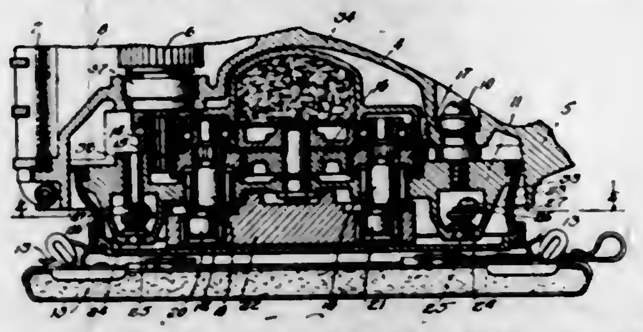
2,417,468
METHOD OF REMOVING PLASTIC COATING FROM A METAL ARTICLE

Victor J. Canziani, Brooklyn, and Frank W. Stellwagen, Richmond Hill, N. Y., assignors to Fairchild Camera and Instrument Corporation, Jamaica, N. Y., a corporation of Delaware
No Drawing. Application April 20, 1944, Serial No. 532,002
8 Claims. (Cl. 134—28)

1. In the art of stripping a flexible polymer insulation from a wire, the steps of, immersing the wire in a bath including a fatty acid of sixteen or more carbon atoms, thereafter immersing the wire in a second bath including a substance capable of dissolving the acid, and thereafter stripping the plastic from the wire.

2,417,469
LUBRICATING SYSTEM FOR PORTABLE RUBBING MACHINES

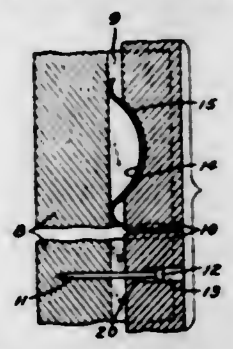
Stephen A. Crosby, Chicago, Ill., assignor to Sterling Tool Products Company, a corporation of Illinois
Application December 2, 1944, Serial No. 566,347
3 Claims. (Cl. 51—170)



1. A machine of the class described, comprising: a supporting frame; a transmission unit secured to said frame and including a depending rubbing head mounted for orbital movement with respect to the frame, and a counterpoise in said unit for balancing out inertia forces in the rubbing head when driven at high speed; thrust bearings for transmitting pressure from the supporting frame to the rubbing head; an oil reservoir on said transmission unit communicating with the interior of said unit; means for sealing the compartment containing the counterpoise between the rubbing head and upper fixed portion of the transmission unit; and a vent pipe through the upper portion of the unit and extending below the inner top face of said unit into said compartment to form an oil trap.

2,417,470
WEATHER SEAL

Stanley J. Czerwicznik, Milwaukee, Wis.
Application October 14, 1944, Serial No. 558,656
1 Claim. (Cl. 20—68)

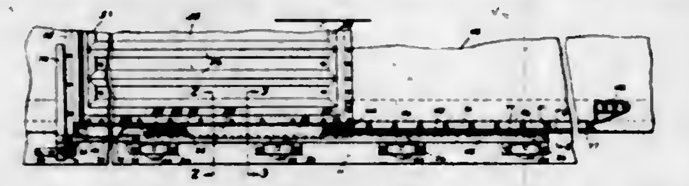


A weather seal comprising, an elongated rigid molding strip having a rectilinear groove extending throughout its length, a similarly elongated flexible bar snugly but slidably confined within said groove and having a series of arcuate notches facing the groove bottom and locally reducing the cross-sectional area of the bar to enhance the flexibility thereof, and a series of approximately semi-circular leaf springs concealed within said groove and each having its medial portion loosely disposed within one of said notches and its opposite ends freely slidably cooperable with said groove bottom.

2,417,471
LIFTING DEVICE FOR SLIDING DOORS

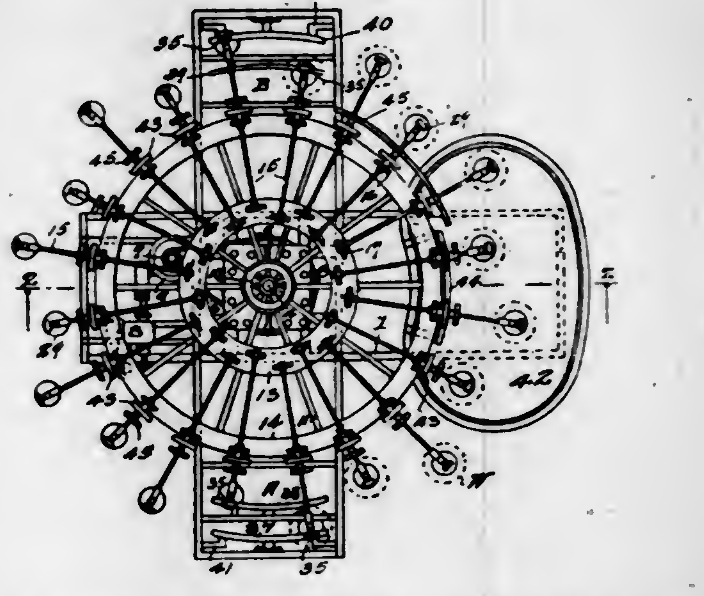
Frank Ditchfield, Cleveland, Ohio, assignor to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio
Application December 31, 1943, Serial No. 516,331
11 Claims. (Cl. 16—99)

1. A lifting device for frictionally supported sliding doors of railway cars comprising a plurality of brackets adapted to be secured to a railway car, rollers supported by said brackets, a track supported upon said rollers, operating means adapted to impart longitudinal movement to said track upon said rollers, members secured to said track and engageable with said rollers during longitudinal movement of said track to impart upward movement thereto, and spaced anti-friction means carried by said track in spaced relationship to a door, said anti-friction means being movable upward by said track to engage and lift said door and also longitudinally relative to said track and door to support said door during opening and closing movements.



2,417,472
ROTARY CONVEYER FOR COATING MACHINES

Russell S. Dorff, East Liverpool, Ohio, assignor to The Hall China Company, East Liverpool, Ohio, a corporation of Ohio
Application June 12, 1944, Serial No. 539,930
5 Claims. (Cl. 198—210)

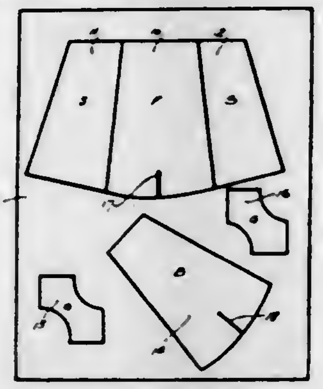


1. In a coating machine, the combination with a rotary conveyer and its operating means, of article holding means including a revolvable shaft journaled on the conveyer and a carrier head rigid with the shaft, a radially extending post rigid with the head and an angularly disposed tray rigid with the post, a holder mounted in the head in a horizontal plane parallel with that of the tray, and resilient means co-acting with the head and holder for clamping ware upon the tray.

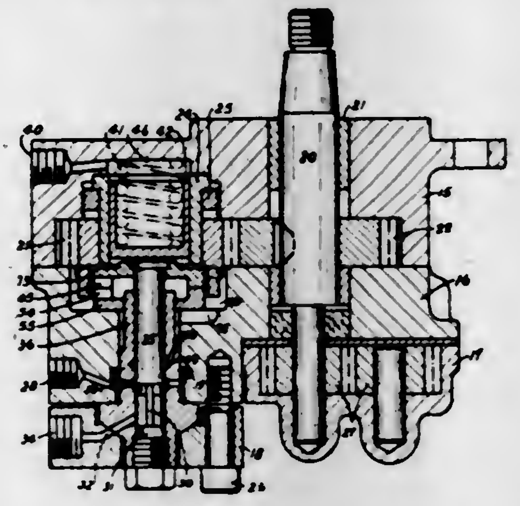
2,417,473
LADY'S UNDERGARMENT

Harry Dorfman, Montreal, Quebec, Canada
Application June 17, 1944, Serial No. 540,809
1 Claim. (Cl. 2—224)

A lady's undergarment comprising a front panel and two side panels, each formed in one piece cut in alignment with the weave of the material and having the outer vertical edges thereof converging inwardly towards the upper edge, said front panel having a vertical slit extending inwardly from its central lower edge for a predetermined distance terminating short of midway of the panel length, a rear panel cut on the bias and having its outer vertical edges converging inwardly towards the upper edge which with the upper edges of said front and side panels forms the waistband, said rear panel being formed with a vertical slit extending inwardly from its central lower edge for a predetermined distance terminating short of midway of the panel length, and a pair of gussets cut out obliquely to the texture of the material and sewn together to form a double piece and sewn to the edges of the said vertical slits of the said front and rear panels.



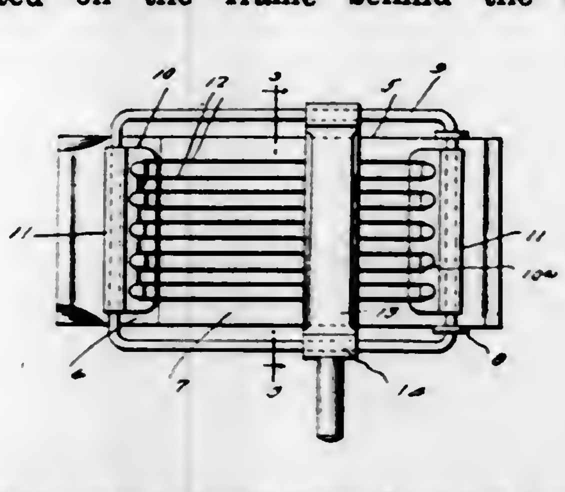
2,417,474
OIL PUMP
Arne Feroy, New York, N. Y.
Application August 26, 1944, Serial No. 551,299
13 Claims. (Cl. 103—38)



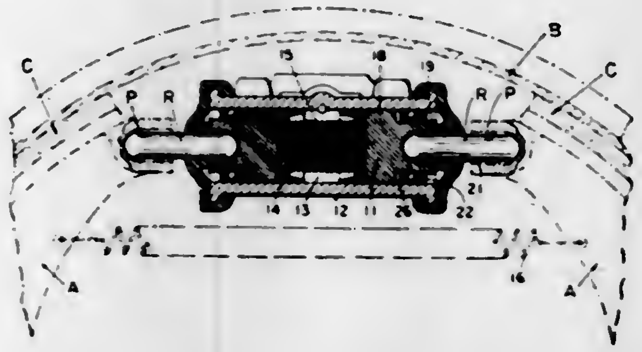
1. In an oil injection pump for an engine, a pump plunger, a cylinder barrel receiving said plunger, and means for reciprocating said plunger in said barrel to inject oil into said engine, said means including a pair of cam members coaxial with said plunger, one cam member normally fixed and the other cam member rotating and engaging said fixed cam member with surface contacts formed as parts of multiple screw-threads.

2,417,475
FOOD CUTTER AND PEELER
Bessie T. Fielder, Towson, Md.
Application March 20, 1945, Serial No. 583,739
9 Claims. (Cl. 146—37)

1. A food-slicing and skin-removing device comprising a substantially flat base on which a segment of the food is adapted to be placed, a frame mounted on said base for swinging movement towards and away from said base, a plurality of spaced cutters carried by the frame and adapted upon a movement of the frame towards the base to cut the pulp of the food substantially to the skin thereof, and a blade slidably mounted on the frame behind the cutters adapted to pass through the pulp of the food close to the skin thereof to sever the pulp from the skin thereof.



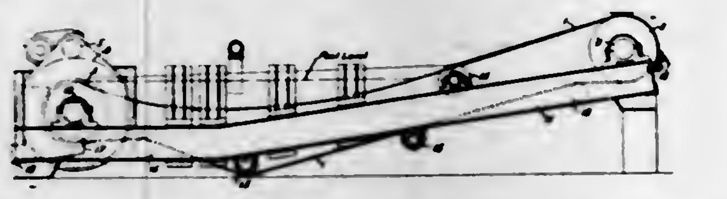
2,417,476
HYDRAULIC PISTON RETURN STOP
Virgil A. Finley, Long Beach, Calif.
Application January 14, 1946, Serial No. 641,136
2 Claims. (Cl. 188—79.5)



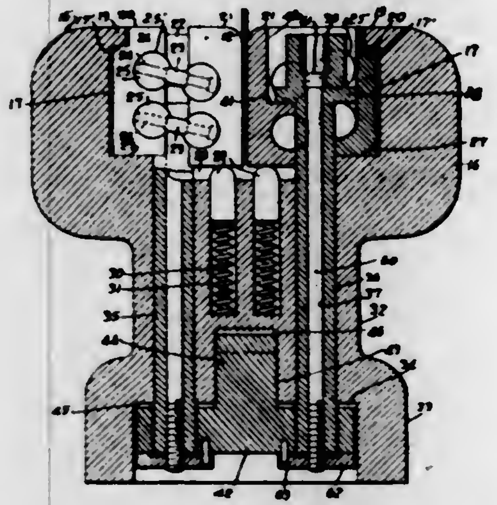
1. In an hydraulic cylinder having an elongated cylindrical working chamber, a piston member consisting of a cylindrical portion adapted to fit the working chamber walls; a conical extension from said cylindrical portion having its smaller diameter adjoining said cylindrical portion and aligned axially therewith, and having means at the larger diameter end for operative connection to a rod member; a split ring member provided with peripheral holes adapted to hold ball members therein, and having a groove adjacent the edges of said holes on the outer wall, said ring being adapted to slide in and frictionally engage the cylinder walls of said working chamber, ball members having larger diameters than the thickness of said ring member loosely fitting in said peripheral holes, and a snap ring in said groove adapted to hold said ball members in place.

2,417,477
BELT TYPE SOLID SEPARATOR
John Henry Vance Finney, Jr., Salt Lake City, Utah, assignor to The Eimco Corporation, Salt Lake City, Utah, a corporation of Utah
Application July 11, 1944, Serial No. 544,439
2 Claims. (Cl. 209—428)

1. A separating device comprising an endless flexible belt, means supporting said belt for continuous travel through a path directed upward at an angle to the horizontal including a substantially flat-faced pulley at the upper end of the path and a concave-faced pulley at the lower end of the path, and means for warping the belt in the lower portion of said path into a receptacle providing a settling pool of substantial depth, the edges of the belt throughout said warped portion being not substantially lower than the edges of the belt on said concave-faced pulley and the center of the concave-faced pulley being substantially lower than the edges of the belt throughout said warped portion whereby liquid from the pool overflows over the center of said concave-faced pulley.



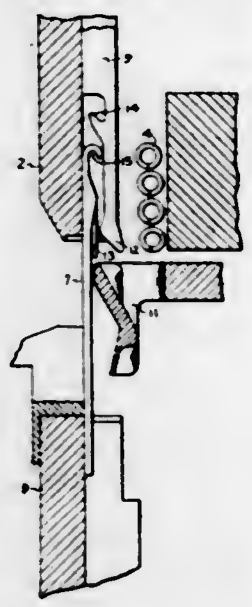
2,417,478
CLAMP FOR STRETCHING PRESSES
Paul E. Flowers, Mount Gilead, Ohio, assignor to The Hydraulic Development Corp. Inc., Wilmington, Del., a corporation of Delaware
Original application February 20, 1941, Serial No. 379,875. Divided and this application December 26, 1941, Serial No. 424,442
19 Claims. (Cl. 24—249)



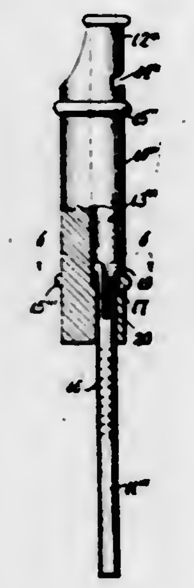
6. In combination, a jaw comprising a rail member having a rectangular groove along the length of the rail and provided with spaced ledges, said groove containing an inner and an outer set of jaw blocks, each set comprising two rows of rectangular blocks, the two inner rows of blocks being adapted to receive a metal strip between the blocks, the outer set of blocks resting on said ledges, yielding means for holding the inner set of blocks away from the bottom of the groove, the inner and outer sets of blocks being held together by toggle mechanism, and means including bolts for causing the inner set of blocks to be moved toward the bottom of the groove in order to separate the blocks of the inner set from one another and to permit the removal of the metal strip from the jaw, said bolts having heads which bear against [illegible] the inner set of blocks.

2,417,479
NEEDLE LATCH GUARD
Oscar Fregeolle, Central Falls, R. I., assignor to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application December 21, 1945, Serial No. 636,441
3 Claims. (Cl. 66—14)

1. In a circular knitting machine of the superposed, coaxial cylinder type provided with needles adapted to knit in either cylinder, sliders in each cylinder for operating the needles which knit therein, means for disconnecting from upper cylinder needles the corresponding upper cylinder sliders so that said needles can be transferred to the lower cylinder and means for controlling the latches of adjacent lower cylinder needles only during such transfer.



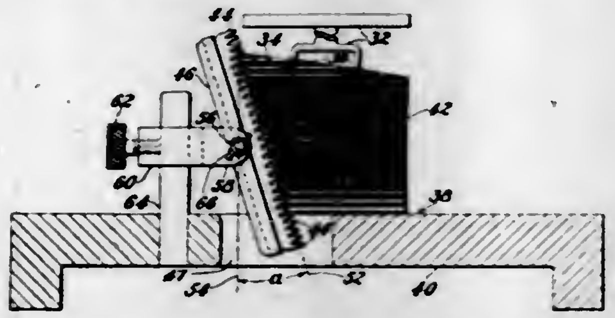
2,417,480
CONFECTION
Edward Friedman, Brooklyn, N. Y.
Application August 14, 1944, Serial No. 549,395
2 Claims. (Cl. 46—179)



1. In a whistle, an internal chamber and rod; the internal chamber being provided with an opening at the end removed from the lip end of the whistle, said opening having a smaller cross-section than the chamber; said rod extending through the opening and in a sliding fit therewith, the portion of the rod which extends into the chamber being slotted diametrically in right angular planes forming four quarter pieces adapted to be squeezed together and to spring back when released, each of said pieces having an outwardly extending flange constantly urged into contact with the wall of said internal chamber and adapted to coact with the end of the chamber about the opening to prevent dissassemblage.

2,417,481
MACHINE FOR FINISHING HEELS

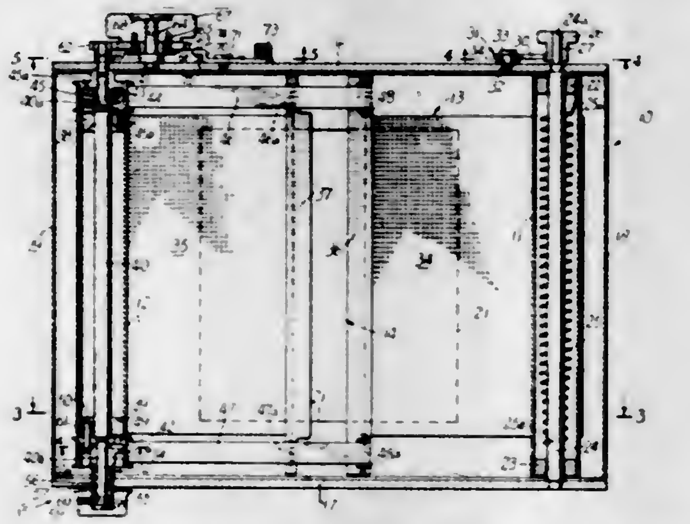
Emile Froustey, Quebec, Quebec, Canada, assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application April 29, 1943, Serial No. 484,965
4 Claims. (Cl. 91—53)



4. In an apparatus for use in finishing the peripheral faces of wood heels, a table having a surface constructed and arranged to be engaged by a tread face of a heel, a tool having a row of flexible teeth shaped and arranged to be engaged by a peripheral face of the heel, a slot formed in the table through said surface, and means for pivotally supporting said tool for movement with relation to the table with an end portion of said row of teeth arranged in said slot and adapted to tilt further into or out of the slot in accordance with the pitch angle of the peripheral face of the heel being operated upon.

2,417,482
FOCAL-PLANE SHUTTER

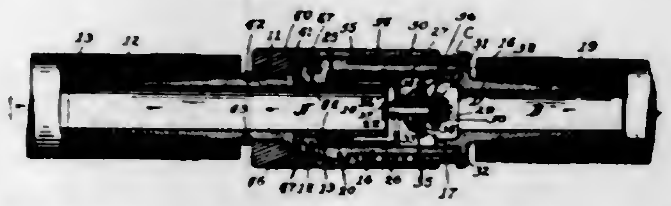
Leonard W. Gacki, Jamaica, N. Y., assignor to Fairchild Camera and Instrument Corporation, a corporation of Delaware
Application February 2, 1945, Serial No. 575,786
5 Claims. (Cl. 95—57)



1. A focal plane shutter, in combination, a casing, a pair of spaced shafts rotatably mounted in said casing, a tension roller mounted on one of said shafts, a rewind roller rotatably mounted on the other of said shafts, means limiting the relative movement between said rewind roller and its shaft, a pair of ribbon drums secured to said rewind roller shaft, a leading curtain connected to said tension roller, a following curtain connected to said rewind roller between said ribbon drums, a pair of ribbons, each of said ribbons having one end connected to one of said drums and its other end connected to said following curtain, means connecting each of said ribbons to said leading curtain for both movement therewith and movement relative thereto, means for spacing the adjacent edges of said curtain to form an exposure slit adapted to be swept across an aperture between said rollers upon exposure operation of said shutter, means biasing said rewind roller oppositely to the direction of rotation of said ribbon drums during exposure operation thereof, and means effective after the free edge of said leading curtain has passed beyond said aperture for holding said tape drums against further movement, whereby continued movement of said leading curtain free edge causes relative movement between said leading curtain and said ribbons, causing the adjacent edges of said curtain to be drawn together in capped relationship.

2,417,483
VALVED PIPE COUPLING

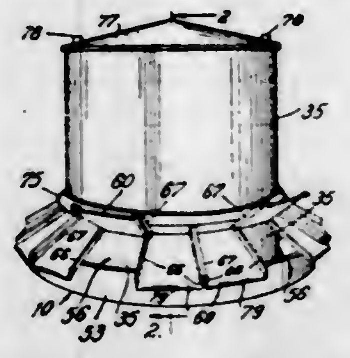
David F. Geiger and Glenn C. True, Long Beach, Calif.
Application April 28, 1944, Serial No. 533,212
1 Claim. (Cl. 284—19)



A coupling, comprising two coaxial male and female coupling members designed for end to end coaxial connection, the male member having a longitudinal nozzle and the female member a longitudinal hollow cylindrical body formed with an annular shoulder and bore therein to receive said nozzle, a sleeve held in said body and having an inner annular valve seat on its rearward end, a packing annulus held between the forward annular end of said sleeve and said annular shoulder and embracing said nozzle, a master check valve normally closing said valve seat and having a by-passage therethrough entering the female coupling member, a valve stem on which said master valve is freely reciprocable, an auxiliary valve fixed upon the rearward end of said valve stem and normally closing said by-passage, an actuating element on the forward end of said valve stem in the path of the outer end of said nozzle to open the auxiliary valve ahead of the master check valve when said actuating element is depressed by the nozzle, and an expansion spring interposed between said actuating elemer and said master valve whereby fluid pressure is adapted to be equalized on opposite sides of the master check valve to permit the latter opening freely.

2,417,484
STOCK FEEDING DEVICE

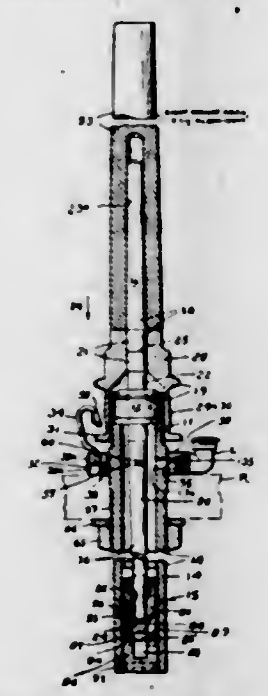
James T. Gifford, Elgin, and Paul O. Esmay, Elmhurst, Ill., assignors to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application May 8, 1942, Serial No. 442,196
1 Claim. (Cl. 119—53.5)



In an animal feeder, an endless feed trough, and means for covering said trough, said means comprising waterproof lids side by side and having adjacent upstanding flanges, and a rain shield having a downwardly open channel dimensioned for receiving said flanges between the channel flanges and at all times resting on at least one of said lid flanges, said lids and shield being pivotally mounted at one side of said trough and normally inclined downwardly and outwardly beyond the other side of said trough to drain rain away from the trough and providing projecting edges on said lids to enable the hog's snout to raise each lid, the flanges of said adjacent lids being spaced apart by a substantial distance to prevent binding therebetween at different levels of said lids, a supporting bracket disposed in the space between said flanges and a common hinge pivot carried by said bracket and extending through the channel flanges and through the adjacent lid flanges.

2,417,485
MOUNTING FOR TEXTILE MILL SPINDLES

Herbert Gleitz and Paul I. Thyreen, Euclid, and Charles E. Miller, East Cleveland, Ohio, assignors to The Marquette Metal Products Company, Cleveland, Ohio, a corporation of Ohio
Application April 18, 1945, Serial No. 589,010
9 Claims. (Cl. 57—135)

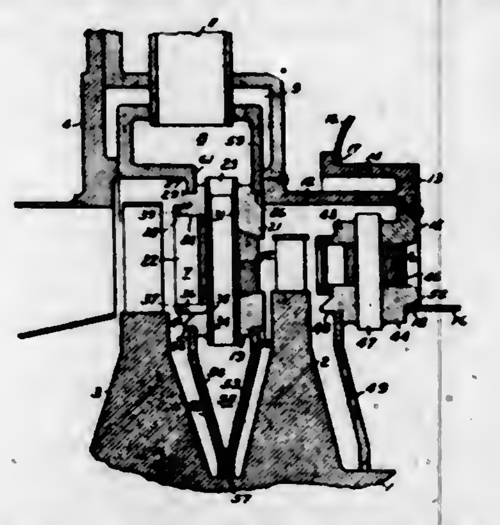


1. In a mounting flange construction for a textile mill spindle, a pair of substantially identical flange sections, each having a central opening and a substantially planar face surface, complemental cavities on said face surfaces, respectively, and means securing said sections together with said face surfaces in face to face contact and said cavities in complemental relation.

2,417,486
NOZZLE CONSTRUCTION

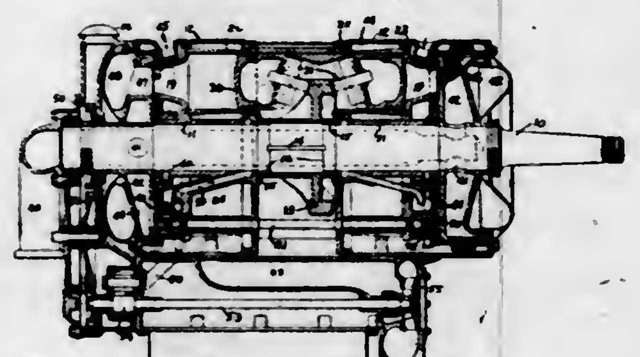
John R. Hagemann, Wauwatosa, and John Algot Johnson, West Milwaukee, Wis., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application February 19, 1943, Serial No. 476,392
6 Claims. (Cl. 60—41)

6. In a diaphragm construction, a nozzle forming ring element having a stepped peripheral surface presenting in coaxial relation a pair of axially spaced positioning shoulders and an axially extending edge portion, said element having formed therein a circumferential series of peripherally spaced holes extending therethrough intermediate said pair of positioning shoulders and a circumferential series of peripherally spaced open-ended slots extending through said edge portion.



2,417,487
CAM ENGINE

Edwin S. Hall, Farmington, Conn.
Application March 18, 1944, Serial No. 527,033
7 Claims. (Cl. 123—58)



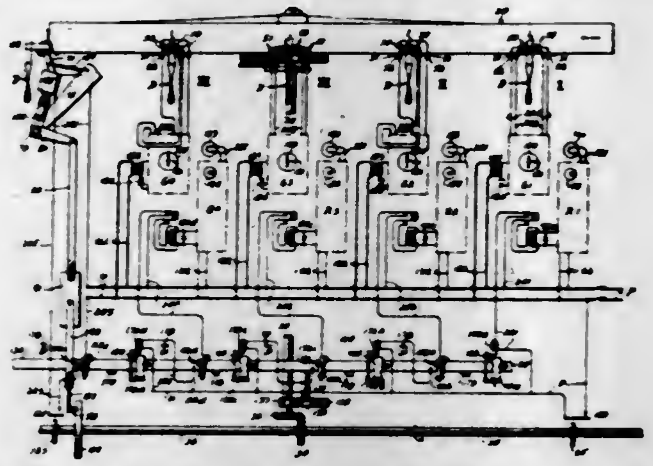
1. In a cam engine mechanism having a shaft, a frame comprising two cylinder blocks having cylinders parallel to said shaft; and a rotary system comprising said shaft, a cam member mounted thereon between said cylinder blocks, thrust faces associated with said cam member and coacting with the inner faces of said cylinder blocks, and a pair of rotary plate valves secured to said shaft and running with clearance relative to the outer faces of said cylinder blocks; said rotary system operably mounted in bearings in said frame, said shaft and said rotary plate valves being hollow and forming together a connected conduit or manifold to distribute working medium to said cylinders.

2,417,488
MACHINE FOR TESTING AND ASSORTING RESISTANCE ELEMENTS

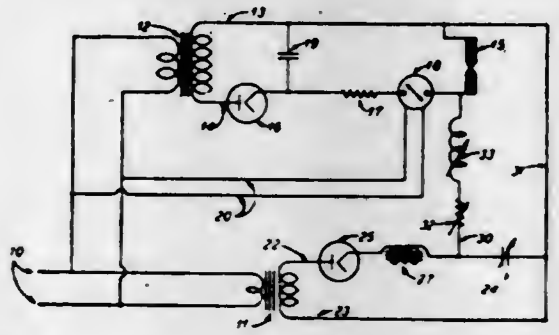
Stanley L. Handforth, Wilmington, Del., and Charles R. Johnson, Glenn Mills, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application June 13, 1942, Serial No. 446,980
36 Claims. (Cl. 209—81)

1. In a machine of the character described, the combination of a plurality of testing connectors for devices to be tested and means for applying testing power to devices while each device is successively connected to the several connectors, with means for effecting a separation amongst devices that have been tested; means for controlling the action of said separating means, with an actuating circuit for said control means

and a switch in said actuating circuit for controlling its energization; actuating members for said actuating-circuit switch, with means for imparting actuating movement to said actuating members independently of test results but in definite correlation with the applications of testing power to devices as aforesaid; means for rendering said actuating members active to actuate the aforesaid actuating-circuit switch, including auxiliary circuits; and means responsive to the behavior of a device under test at each of said connectors for controlling the energization of said auxiliary circuits, and thus also controlling the energization of the aforesaid actuating circuit and the action of said separating means.



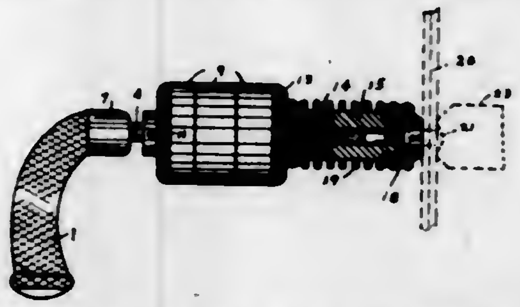
2,417,489
SPECTROSCOPIC SOURCE UNIT
Maurice F. Hasler and Roland W. Lindhurst, Glendale, Calif.
Application July 14, 1943, Serial No. 494,754
19 Claims. (Cl. 315—172)



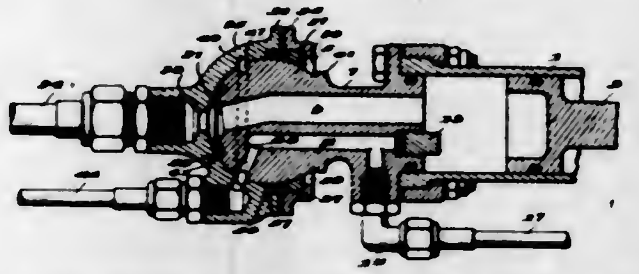
1. In a spectroscopic source unit, the combination of: an analytical gap consisting of two spaced electrodes, a power circuit connected across said two gap electrodes, a power condenser in said power circuit adapted and arranged to be charged by current supplied to said power circuit and to discharge across said gap upon ignition of the latter, a low frequency source of unidirectional condenser-charging current impulses for said power circuit, a high voltage ignitor circuit conductively connected across said two gap electrodes and adapted to initiate discharge thereacross, and a synchronous switch adapted to periodically close said ignitor circuit in a synchronous relation with the low frequency current impulses supplied by said source.

2,417,490
RIVET BUCKING BAR
James Ellicott Hewes, Dundalk, Md.
Application September 28, 1943, Serial No. 504,142
5 Claims. (Cl. 78—53.5)

1. A bucking bar comprising in combination, a forming bar, inertia weights or blocks mounted on said bar for adjustably weighting the forming bar, a rubberlike ferrule structurally connected with the said bar adapted for mounting over a rivet shank in a plate and acting as guide for the forming bar end portion to align therewith, said ferrule being compressed and reduced in height so as to allow the said operating head of the forming bar to impact the rivet and form a head thereon close to the plate and spread the ferrule to permit it, when the rivet is hammered on from the other side of the plate, means on the forming bar for adjusting the position of weights longitudinally thereon adjacent the middle of the bar and its axis so as to be in the direct line of the hammering and the number of weights or blocks in accordance with the amount of inertia to be applied thereon.



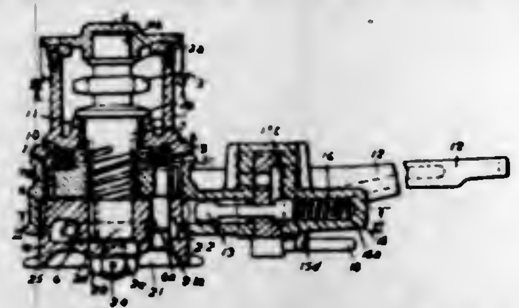
2,417,491
UNIVERSAL FLUID JOINT
Thomas C. Hill, Parkville, Md., assignor to The Glenn L. Martin Company, Middle River, Md., a corporation of Maryland
Application September 9, 1944, Serial No. 553,355
5 Claims. (Cl. 285—91)



1. A universal pipe joint comprising a spherical socket and a swivellable ball mounted therein, a main central fluid passage extending through the fixed spherical socket and the swivellable ball and a secondary fluid passage extending radially through the fixed spherical socket and communicating with a continuous circular groove formed in the ball engaging face of the spherical socket, the said groove normally lying in parallel relation to a similar groove formed around the periphery of the said ball, and a passage joining the groove on the said ball with the secondary fluid passage in the spherical socket.

2,417,492
LIFTING AND PULLING MECHANISM
Sidney Hinchcliffe, Wylam-on-Tyne, England
Application July 5, 1945, Serial No. 603,339
In Great Britain July 21, 1944
9 Claims. (Cl. 254—167)

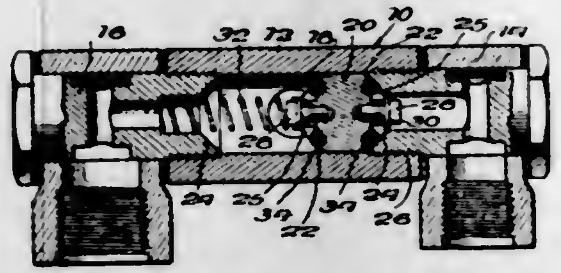
1. Lifting and pulling mechanism comprising a casing, a shaft rotatable in said casing, a chain sprocket mounted on said shaft, a ratchet wheel rigidly mounted on said shaft, said ratchet wheel having a segmental slot formed therein, a clutch member interposed between said ratchet wheel and said casing, said clutch member being in resilient rubbing contact with said casing and in threaded engagement with said shaft, ratchet teeth on said clutch member, said ratchet teeth being oppositely disposed to those on said ratchet wheel, oppositely disposed pawls adapted to engage said ratchet wheel and clutch member respectively, a common operating member for individually retracting said pawls, a pin projecting laterally from said clutch member into the slot in said ratchet wheel, a second pin projecting laterally from said ratchet wheel into the same plane as said clutch pin, and resilient connecting means arranged between said pins so that said clutch member follows the movement of said ratchet wheel.



2,417,493
METALLURGICAL BRIQUETTE AND METHOD OF MAKING SAME
Frank Holz, Cleveland, Ohio
No Drawing. Application May 14, 1943, Serial No. 487,067
12 Claims. (Cl. 75—3)

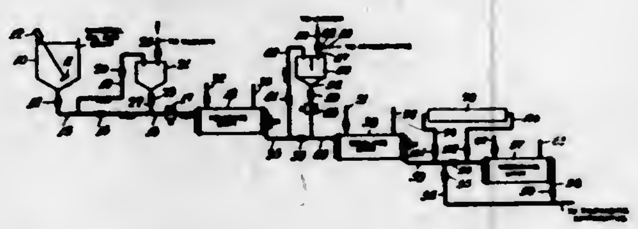
2. A metallurgical briquette, self-sustaining and capable of being handled and transported immediately after molding, and of withstanding temperatures of 2500° F. and above without disintegration, comprising an iron oxide selected from the group consisting of natural iron ore fines, flue dust and sludge, 2–5% Portland cement, 0.21–6.5% of a water soluble adhesive selected from the group consisting of molasses and silicate of soda and 0.5–18% water, such percentage amounts being by weight on the basis of the iron oxide present, to form a bond setting slowly enough to allow briquetting but then giving initial strength in the briquette.

2,417,494
VALVE END SEAL
Addison C. Hoof, Hinsdale, Ill.; Frances A. Hoof, Hugh C. Kepner, and Walter Eckert, executors of said Addison C. Hoof, deceased, assignors to Hoof Products Company, Chicago, Ill., a corporation of Illinois
Application August 24, 1942, Serial No. 455,939
1 Claim. (Cl. 251—160)



A valve comprising two relatively movable members one of which is provided with a recess the axis of which at right angles to the direction of applied pressure is elongated to a dimension greater than the diameter of a recess-held packing to permit packing expansion along such major axis, and the axis of which parallel to the direction of applied pressure is restricted to a dimension less than the diameter of such recess-held packing to prevent packing expansion along such minor axis, the recess having a circumferential aperture at the valve face of a dimension less than the diameter of such packing to prevent packing displacement but permit packing protrusion; and a resilient packing in the recess permanently held against displacement and substantial movement along the restricted minor axis but free to expand along the elongated major axis of the recess, a portion of said packing protruding always through the circumferential aperture of the recess to provide a constant compressible sealing contact area.

2,417,495
MANUFACTURE OF GREASE
Harold G. Houlton, Louisville, Ky., assignor to The Girdler Corporation, Louisville, Ky., a corporation of Delaware
Application December 10, 1943, Serial No. 513,690
19 Claims. (Cl. 252—32)

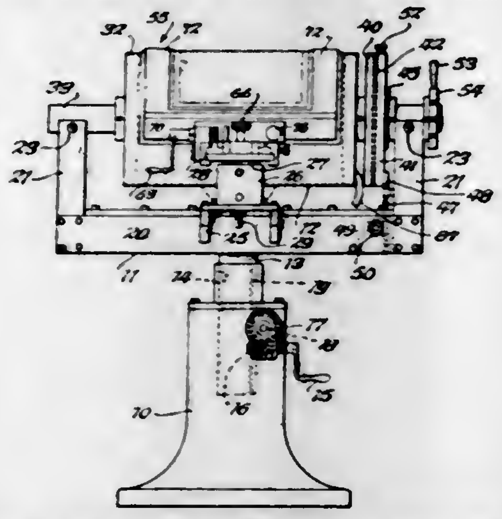


1. The continuous process for the manufacture of grease from oil and a stiffening agent, which comprises bringing together the oil and stiffening agent in substantially the relative proportions desired in the final product, continuously flowing the mixture of oil and stiffening agent as a relatively thin confined layer through a zone having a heat-transfer wall, and heating said thin layer of mixture in said zone through said wall to a temperature at least sufficient to effect solution of the stiffening agent in the oil, while simultaneuosly continuously and rapidly removing films from said heat-transfer wall and violently and continuously mixing the same with the remainder of said mixture in said thin layer whereby substantially continuously to bring relatively fresh material to said transfer wall; thereby to effect extremely rapid heating of said mixture in said layer to a uniform temperature and to effect a thorough and intimate dispersion of the stiffening agent and oil, producing a hot grease of uniform consistency.

2,417,496
PREDETERMINED REGISTER DEVICE FOR PRINTING ELEMENTS AND THE LIKE
William C. Huebner, New York, N. Y.
Application August 22, 1944, Serial No. 550,564
16 Claims. (Cl. 33—184.5)

10. A registering device of the character described comprising a cylinder, a support on which said cylinder is mounted and adjustable rotatively about its axis, said cylinder serving to support a printing element placeable on and conforming to the curvature of the periphery of said cylinder, registering means enabling location of said printing element in a predetermined position on the cylinder, said cylinder comprising opposite heads, one of which heads is removably mounted, and a hollow cylindrical shell secured at one end to said removable cylinder head and removably supported at its opposite end on said other cylinder head, whereby said cylinder shell is removable with said removable head, said cylinder shell and said other head having interengaging parts for positioning said shell always in the same circum-

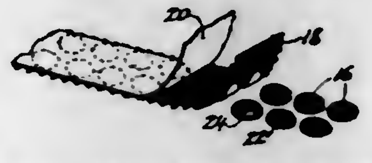
ferential relation to said other head when the shell is supported thereon, means for releasably retaining said printing element in such registered position on the cylinder, a holder for said printing element substantially conforming to the curvature of the printing element on the cylinder, means for attaching the printing element in a predetermined position to said holder while in its said registered position on the cylinder, a support for said holder mounted in a definite relation to said cylinder and movable to carry the holder toward and from the cylinder, and said holder having means cooperable with said support for removably mounting said holder in a predetermined position on said support.



2,417,497
ADHESIVE COATED PRODUCT

Harley A. Hulslander, Sr., Washington's Crossing, N. J.

Application July 27, 1944, Serial No. 546,859
2 Claims. (Cl. 206—58)



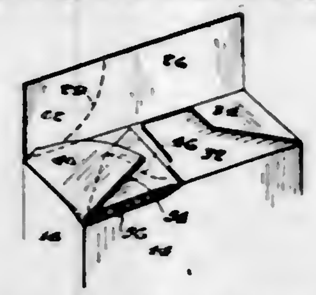
2. An article of manufacture comprising a strip of open mesh fabric in the form of a roll having a plurality of masking discs arranged in a row on that face of the fabric strip which faces inwardly in the roll, said discs each being formed of sheet material having a coating of permanently adhesive material throughout that face thereof adjacent said fabric, and projecting at least part way through the openings therein, the discs in said row each having approximately one-fourth only of the edge thereof overlapping the edge of the preceding disc in a row so that removal of the preceding disc from the fabric will serve to lift and free the edge of an adjacent disc from the fabric whereby it may be grasped for removal, and a layer of impervious sheet material located on the opposite face of said fabric and contacting said adhesive through the openings in said fabric.

2,417,498
PAPER CARTON HAVING COMBINED TOP CLOSURE AND POURING SPOUT

Oscar H. Hultin, Quincy, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts

Application June 28, 1945, Serial No. 602,071
2 Claims. (Cl. 229—17)

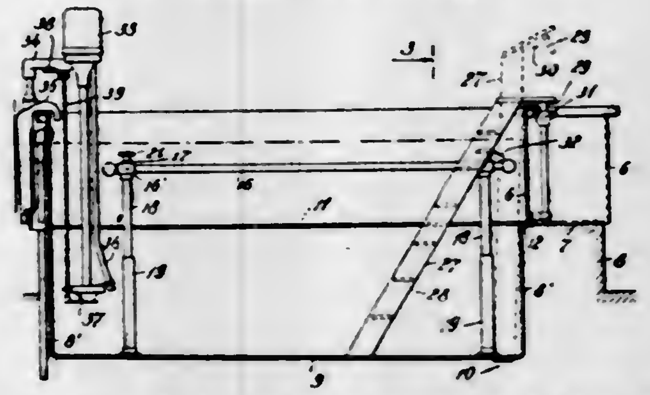
1. As a new article of manufacture, a package comprising a carton having side and end wall panels provided with extensions forming the top closing flaps, said top closing flaps including an integral side and end flap member folded to form a bellows like fold in said member as a part of the closed top of the carton, and, when opened, to form a pouring spout, said bellows fold in its closed form having one folded edge adjacent an edge of the carton, said folded edge being arranged to be grasped to initiate the opening operation, said adjacent edge of the carton being rounded to form a hollow space immediately below said folded edge to facilitate access thereto, said bellows like fold having said one folded edge projecting beyond the adjacent wall of the carton to facilitate opening of the pouring spout.



2,417,499
THERAPEUTIC BATH

Floyd W. Ille, Manhasset, N. Y.

Application June 28, 1944, Serial No. 542,562
7 Claims. (Cl. 4—180)

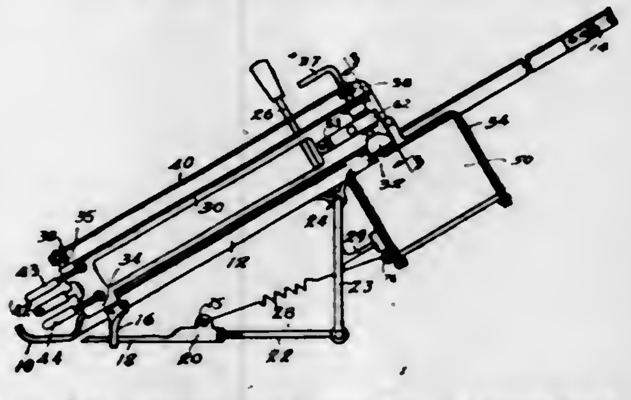


1. In a therapeutic bath including a tank and means for directing a jet of water with occluded air bubbles into the tank; the improvement which comprises a well extending longitudinally of the tank, upright supports in the bottom of the well, telescoping members mounted in the said supports, hand rails carried by the telescoping members, and means for locking the telescoping members in adjusted positions in said supports.

2,417,500
HARVESTING MECHANISM

Charles C. Jackson, Pomeroy, Wash.

Application August 24, 1943, Serial No. 499,805
2 Claims. (Cl. 56—327)

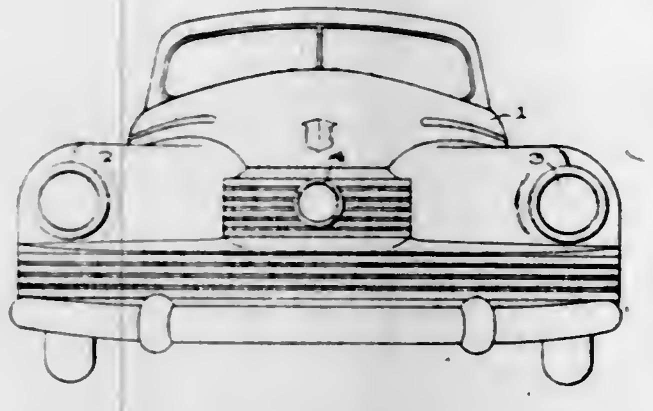


1. A harvesting mechanism, comprising: an arm disposed at an angle to the ground surface and having a ground engaging member, knife means mounted on said arm for reciprocal movement, a carriage movable on said arm from a lower to an upper position, crop-gripping means on said carriage in crop-gripping position relative said knife when the carriage is in the lower position, a receptacle on said arm in crop-receiving position when the carriage is moved to place the crop-gripping means adjacent thereto, means for operating said crop-gripping means, and means for reciprocating said knife.

2,417,501
AUTOMOBILE HEADLIGHT SIGNAL INDICATOR

Thomas M. Johnston, Washington, D. C.

Application March 29, 1946, Serial No. 657,986
3 Claims. (Cl. 315—82)



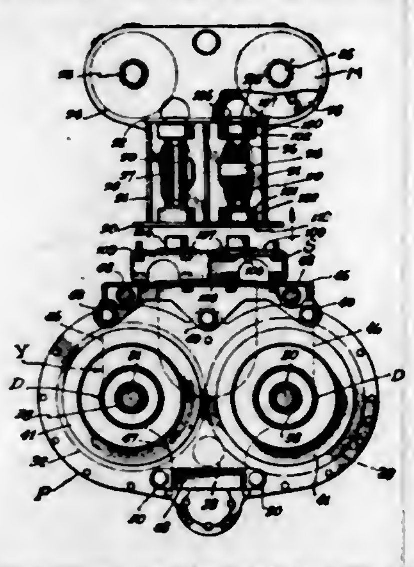
1. In a vehicle, an illumination system comprising at least one headlamp positioned to direct a beam of light in front of the vehicle, two sources of light to be projected from the headlamp as beams, a source of electrical energy, an electrical circuit connecting said source of electrical energy with said sources of light, a signal indicator lamp, and means for automatically connecting the signal indicator lamp to the source of electrical energy when one of said sources of light is connected to said source of electrical energy, whereby when electric current is supplied to said one of said sources of light, said signal indicator lamp will be illuminated, the signal indicator lamp being so constructed and positioned on the vehicle as to project a beam of light forwardly of the vehicle when electric current is supplied thereto, whereby the same will be visible to drivers of approaching vehicles.

2,417,502
WINCH

Harald D. Kadz, Glendale, Calif., assignor to Kay-Brunner Steel Products, Inc., a corporation of Delaware

Application August 31, 1943. Serial No. 500,654
4 Claims. (Cl. 254—185)

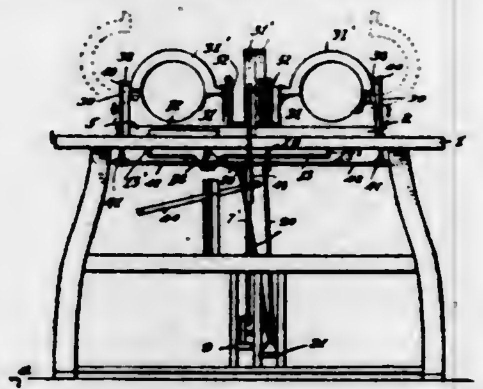
1. A winch, comprising: a pair of drums; a pair of shafts for driving said drums; a first gear fixed to one of said shafts; a smaller gear fixed to the other of said shafts and meshing with said first gear; a driving pinion meshing with said first gear so that when driven in one direction the latter will be rotated to drive said shafts in opposite directions; and means for mounting said shafts so that they together with said gears can be withdrawn therefrom and inserted in opposite drums, whereby said first gear is again placed in mesh with said pinion and said smaller gear again placed in mesh with said first gear, so that when said pinion is driven in the other direction said shafts will be driven in the same opposite directions as before.



2,417,503
APPARATUS FOR NESTING PIPE ELBOWS

Lewis P. Kelly, Peoria Heights, Ill.

Application April 29, 1944, Serial No. 533,442
27 Claims. (Cl. 100—31)



1. In an apparatus for nesting pipe-elbows, a support, a plurality of members mounted to shift thereon to and from a common point and each adapted for carrying an elbow, means to shift members of the plurality in both directions in respect to said point and in exact timing one to the other, clamping jaws on each member for clamping the female end and the male end of two separate elbows and to shape them symmetrically, and mechanism for locking said jaws together upon said ends when the members are at one limit of their travel and for releasing said jaws at the other limit of travel.

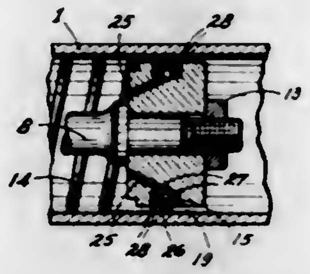
2,417,504
CABLE TENSION REGULATOR

Harold J. Knaggs, Cleveland, and George H. Hufferd, Shaker Heights, Ohio, assignors to The Weatherhead Company, Cleveland, Ohio, a corporation of Ohio

Application May 11, 1944, Serial No. 535,178
4 Claims. (Cl. 74—501)

1. A tension regulator comprising a cylinder having an opening through one end wall, a piston rod extending through the said end wall opening, liquid sealing means in said opening about said rod, a piston attached to the rod in the cylinder and having a peripheral circumferential groove, said piston having passages leading from one side of the piston through the bottom of said groove, resilient means compressed between said piston and said end wall of the cylinder, resilient pack-

ing U-shaped in cross section in said groove and liquid substantially filling the remaining space in the cylinder, said packing being normally out of contact throughout part of its periphery with the opposed cylindrical wall of the cylinder and



being movable into full peripheral and liquid sealing contact with said cylindrical wall under the influence of forces suddenly applied by the liquid to the inner surface of said packing, and attaching means on the piston rod and cylinder.

2,417,505
METHOD OF PROCESSING WOOD FOR THE RAPID MATURATION OF WHISKEY AND OTHER ALCOHOLIC LIQUORS AND WINES

Ernst T. Krebs, San Francisco, Calif.

No Drawing. Application December 19, 1944, Serial No. 568,930

2 Claims. (Cl. 99—48)

1. A method of treating wood which contains cryptogamic spores, spores of the fungi penicillia and tannin so that it will produce in spirituous liquor in a relatively short time the same physical, chemical and biological phenomena as will occur over a period of years when spirituous liquor is treated with normal wood, comprising moistening the wood with a growth activating vegetable hormone, germinating the moistened wood until a prolific cryptogamic or rhizopus growth from its spores and rich in aminosuccinamides is developed and tannase produced during said germinating period has substantially dissociated tannins present in the wood, the so-treated wood being favorable to the growth of penicillia fungi, removing a portion of the wood, germinating the remaining wood to produce a prolific development of fungi penicillia, subjecting the removed wood to fermentation until a decidedly acid reaction is obtained, mixing the said wood with the wood containing the penicillia, and then mixing the mixed wood with a spirituous liquor to be aged.

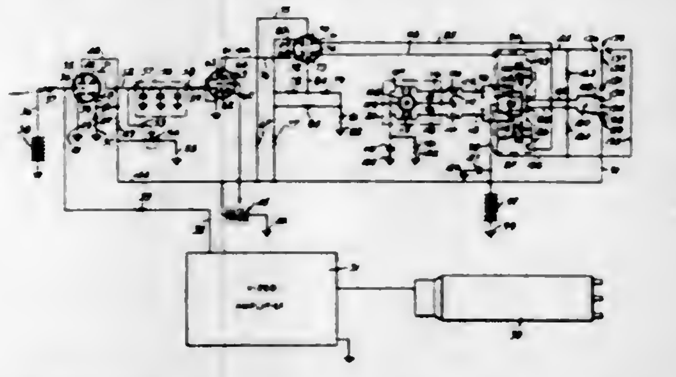
2,417,506
AUTOMATIC IRIS CONTROL

James J. Lamb, West Hartford, Conn., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware

Application September 14, 1944, Serial No. 554,122

2 Claims. (Cl. 178—7.1)

1. In a television pick-up apparatus having a pick-up tube, a video amplifier and an adjustable iris for controlling the light intensity focused on the mosaic of said pick-up tube, the combination of a reversible electric motor connected to adjust said iris to enlarge and reduce the size of the opening therein in rotation thereof in opposite directions, a pair of electro-magnetic operated means each controlling operation of said motor in one direction, a double triode having a pair of normally balanced circuits coupled therewith each controlling one of said electro-magnetic operated means, and circuit means responsive to variations in amplitude of the video signal coupled with said double triode for unbalancing one of said pair of circuits to secure motor operation for adjusting said iris to maintain a substantially uniform video signal amplitude during variations in scene brightness.



2,417,507
METHOD OF FLAKING SUNFLOWER SEED FOR SOLVENT EXTRACTION

Ezra Levin, Champaign, Ill.

No Drawing. Application December 22, 1945, Serial No. 637,111

2 Claims. (Cl. 99—80)

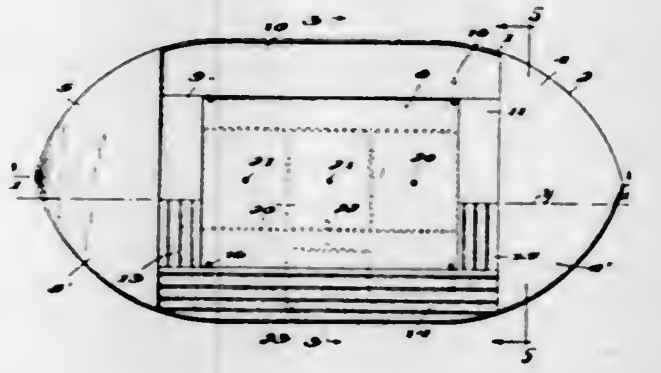
1. A process for flaking hulled sunflower seed which comprises heating the hulled seed at a temperature of about 80–120° C. for a time in the range of about two hours to about ten minutes, the longer time being used with the lower temperatures and the shorter time with the higher temperatures, said time and temperature being correlated and of such duration that the seed is toughened by partial coagulation of the protein without substantial damage to desirable constituents of the seed, and then flaking the seed by passing it between flaking rolls.

2,417,508
LIFESAVING CRAFT

Glen W. Leyde, Falls Church, Va.

Application January 12, 1944, Serial No. 518,008

8 Claims. (Cl. 9—3)



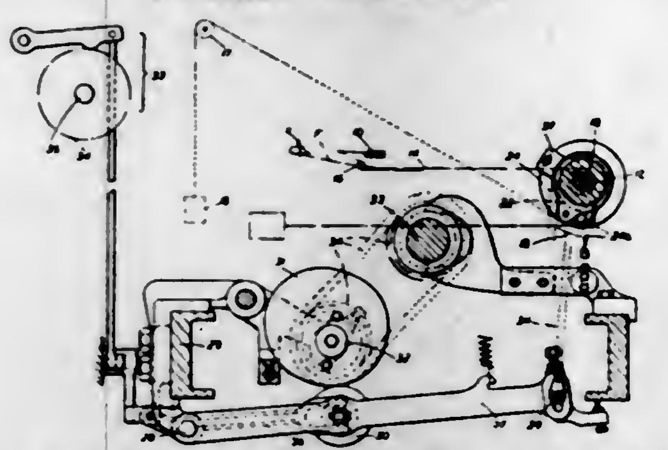
6. A life saving craft comprising a boat-shaped shell, a mass of porous buoyant material within said shell and arranged to provide a central well having a deck substantially above the water line of the craft, said material filling substantially all of the shell below said deck and filling the entire ends beyond the well on the larger side only of a vertical fore and aft plane laterally offset slightly from the median plane of the craft, said buoyant material extending along one side only of the well above the deck to form a seat, said side corresponding to the side having the filled end sections.

2,417,509
AUTOMATIC WELT TURNING APPARATUS

William Gordon Macdonald and William Arthur Cooper, Loughborough, England, assignors to William Cotton Limited, Loughborough, England

Application February 14, 1944, Serial No. 522,328 In Great Britain July 9, 1943

3 Claims. (Cl. 66—96)



1. In a straight bar knitting machine of the kind equipped with automatic welt-turning apparatus including a welt bar movable away from the needles during the production of at least a part of the welt fabric and towards them to turn the welt, and with biassed draw-off apparatus for connection to a welt rod; a mechanism for relaxing the pull of the said apparatus during said advance of the welt bar, comprising a rotary draw-off member biassed to rotate in a draw-off direction, a ratchet wheel for transmitting reverse rotation to said member to relax the draw-off pull, a pawl carrier rotatable about the axis of the ratchet wheel, a pawl on the carrier for driving the ratchet wheel, a device for holding the pawl out of engagement with said wheel, means for moving the pawl into engagement with said wheel upon rotation of the carrier, and means for rotating said carrier to apply reverse rotation to said member at the required time.

2,417,510
PLASTIC ARTICLE

Archibald B. McGinnis, Wheeling, W. Va., assignor to Wheeling Stamping Company, Wheeling, W. Va., a corporation of West Virginia

Application March 22, 1943, Serial No. 480,015

11 Claims. (Cl. 215—43)

1. A reinforced hollow plastic article having a resin impregnated reinforcing fabric sheet on the inner surface thereof, defining a substantially complete lining therefor, and having integrally bonded to the resin in said impregnated sheet and over the outer surface thereof a continuous layer of a resinous substance comprised of resinous molding compound.

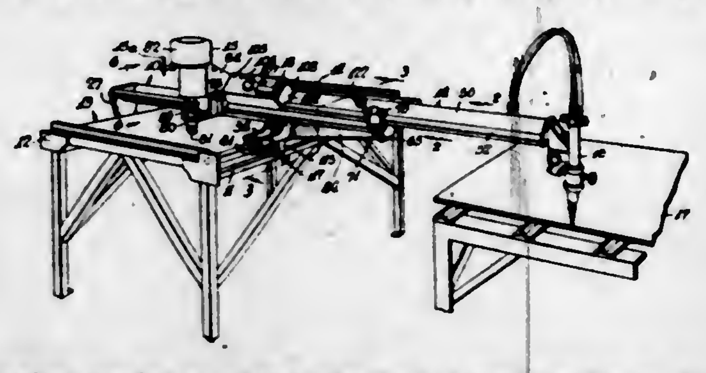
2,417,511
TORCH CUTTING MACHINE

Chester Mott, Evanston, and Alfred F. Chouinard and John F. Dove, Chicago, Ill., assignors to National Cylinder Gas Company, Chicago, Ill., a corporation of Delaware

Application November 10, 1943, Serial No. 509,686

16 Claims. (Cl. 266—23)

7. A flame cutting machine of the type in which there are provided a carriage support, a carriage mounted on said support and movable endwise, said carriage having a cutting torch at one end and a motor driven propelling device at the other end, said machine being characterized by two pairs of parallel horizontally spaced rails, one pair forming a part of said support and the other pair forming a part of said carriage, the rails of the carriage being disposed above and parallel to the rails of said support, and each of said rails having inclined upwardly and downwardly facing surfaces, the carriage being provided at the end farthest from the torch with rollers having inclined axes engaging said upper and lower inclined surfaces of the rails of said support, and the carriage, and the carriage at the end nearest to said torch, having rollers provided with inclined axes and engaging said upper and lower inclined surfaces of the rails of said support.

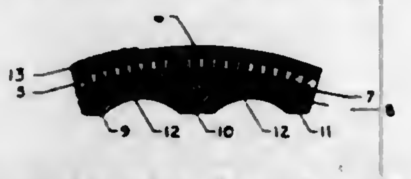


2,417,512
BELT

Ernest Nassimbene, Denver, Colo., assignor to Gates Rubber Company, Denver, Colo., a corporation of Colorado

Application February 13, 1943, Serial No. 475,834

3 Claims. (Cl. 74—233)



1. A belt of the edge driving V-type having a layer of substantially inextensible cords, an outer layer of readily bendable rubber-like composition and an inner body of rubber-like composition, formed from a plurality of layers, the hardness of the material in the layers inside of the layer of cords decreasing towards the inner surface of the belt, the resistance to forces tending to deform the belt decreasing progressively from the cord layer to the inner surface of the belt.

2,417,513
TEXTILE SOFTENING WITH NITROGEN CONTAINING LINEAR ESTER POLYMER

Johannes Nelles, Leverkusen-Schlebusch, Otto Bayer, Leverkusen-I. G. Werk, Wilhelm Tischbein, Leverkusen-Wiesdorf, and Fritz Baehren, Dormagen, Germany; vested in the Attorney General of the United States

No Drawing. Application March 6, 1941, Serial No. 382,038. In Germany October 30, 1939

5 Claims. (Cl. 117—139.5)

1. A process of imparting a soft touch to textile materials which comprises incorporating therein a basic nitrogen-containing linear ester polymer obtained by heating to condensation a substance of the group consisting of aliphatic dicarboxylic acids and the functional derivatives thereof with a substance of the class consisting of aliphatic dihydric alcohols and the functional derivatives thereof, the components being selected in such

a manner that at least one of the reactants contains basic nitrogen, for a period of time such that the polyester is not strongly sticky and ropy.

2,417,514
METHOD AND MEANS FOR PRODUCING COLORED PHOTOGRAPHIC IMAGES

Henry T. Neumann, New York, N. Y., assignor to Spectrum Products Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application September 23, 1940, Serial No. 357,830
10 Claims. (Cl. 95—88)

1. A photographic color developer comprising a coupling inducing silver halide reducer, a strong accelerator, an alkali metal sulphate, a non-silver-halide-reducing coupler, a non-oxidizing buffer whose aqueous solution has a pH of from four to six, and a rapid silver halide reducing color intensifying agent of such nature as not to affect the color forming capacity of said developer.

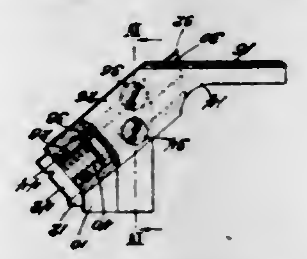
2,417,515
NONCONGEALING STARCH PRODUCT AND THE LIKE AND INHIBITOR THEREFOR, AND THE METHOD FOR PREPARING THE INHIBITOR

Henry T. Neumann, New York, N. Y.
No Drawing. Application November 6, 1940, Serial No. 364,470
8 Claims. (Cl. 252—311)

4. A dry crystalline water-soluble colloid congealing inhibitor for preventing congealing of colloids of colloid forming substances from the class consisting of starch, gelatin and gum, which colloids normally congeal at room temperature, said inhibitor being chemically unreactive with said colloids and comprising the reaction product precipitated from an aqueous solution containing as essential ingredients phenol, sodium acetate, and hexamethylenetetramine.

2,417,516
WORK CHANNELING DEVICE FOR SEWING MACHINES

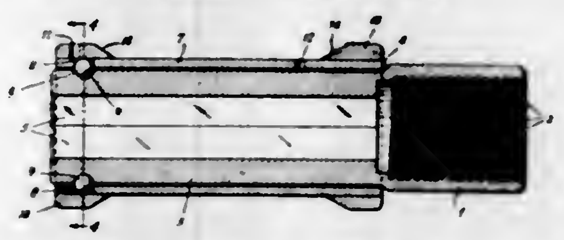
Carl A. Newhall, Peabody, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application November 7, 1945, Serial No. 627,215
7 Claims. (Cl. 112—45)



1. A work channeling device for a shoe sewing machine, having a presser foot formed with a work engaging face and a lug having a bore the axis of which is transverse to the work engaging face of the presser foot, and a work grooving knife received in the bore with its cutting edge projecting beyond the work engaging face of the presser foot, in combination with means for clamping the knife and shifting its cutting edge transversely of the seam line in the work operated upon, comprising a pair of spaced adjustable members engaging the knife at locations to cause the knife to be rotated in the bore when one of said members is disengaged from the knife and the other actuated further to clamp the knife.

2,417,517
HANDLE COUPLING SOCKET

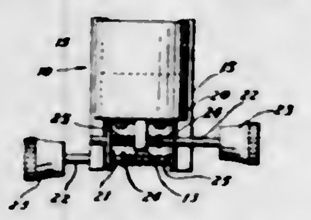
James M. Patterson, Jennings, Mo., assignor to Central Mine Equipment Co., St. Louis, Mo., a corporation of Missouri
Application August 2, 1944, Serial No. 547,683
2 Claims. (Cl. 279—9)



1. A handle coupling socket for coupling a driven device to an operating mechanism, comprising a coupling member having its ends engageable with said driven device and said operating mechanism, respectively, and having a circumferential groove, a sleeve rotatively mounted on said coupling member and having holes opening into said groove, anti-friction elements located in said holes and said groove preventing longitudinal displacement of and leaving said sleeve freely rotative about said coupling member, and a ring secured to said sleeve across the holes to prevent displacement of said anti-friction elements and forming an abutment for the hand at one end of said sleeve.

2,417,518
ELECTRIC LAMP SOCKET

William E. Patterson, Miami, Fla.
Application March 29, 1945, Serial No. 585,459
1 Claim. (Cl. 173—328)

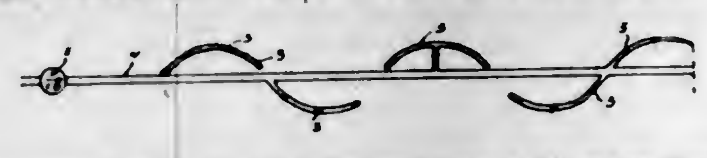


In a device of the character described, a socket having a smooth inner surface and longitudinal grooves therein, a contact in the base of said socket, jaws with a plurality of teeth thereon movably positioned in said grooves and extending longitudinally of said socket, and means for moving the teeth of said jaws into and out of said socket for engagement with the threads on the base of a light bulb, said means including rods secured to the end of said jaws and the base of said socket, knobs on the opposite ends of said rods whereby compression of said knobs toward each other moves said jaws outwardly with respect to said socket, and coil springs on said rods and outside of said socket normally biasing said jaws inwardly, said plurality of teeth being so angled as to permit insertion of a bulb in the socket against the bias of said spring means, but to preclude removal thereof unless said knobs are compressed.

2,417,519
PLANT FOR MELTING ICE AND PREVENTING ICE FORMATION

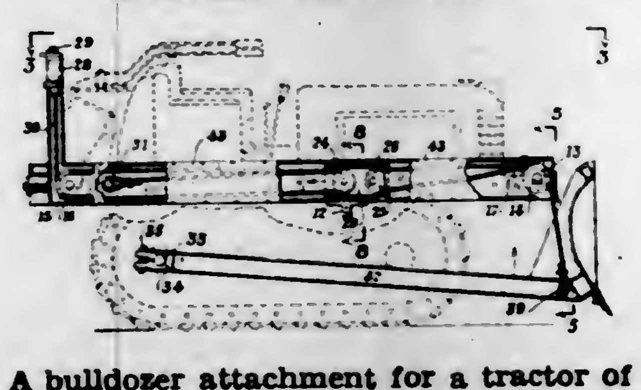
Bengt Oskar Erik Persson, Enebyberg, and Erik Forslind, Stockholm, Sweden
Application June 27, 1945, Serial No. 601,879
In Sweden July 3, 1944
9 Claims. (Cl. 61—1)

1. An apparatus for melting ice and preventing formation of ice in water, including water ways, harbours, harbour entrances etc., comprising a conduit submerged in the water and means for supplying the conduit with a compressed elastic fluid, the conduit having discharge openings for the compressed elastic fluid arranged along a curved line in the horizontal plane in wave form to the main direction of the conduit to produce wave currents to the fluids that amplify each other to facilitate melting of the ice and which also widen the active zone above the conduit.



2,417,520
BULLDOZER

Edwin A. Porch, Canon City, Colo.
Application November 3, 1945, Serial No. 626,549
4 Claims. (Cl. 37—144)

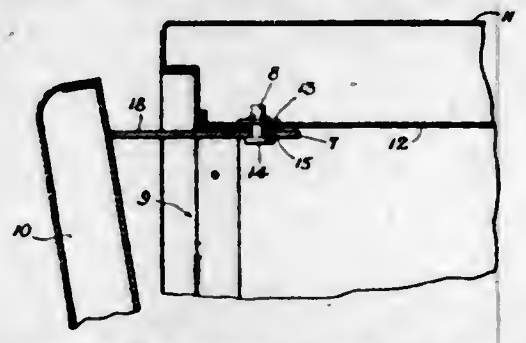


1. A bulldozer attachment for a tractor of the crawler type having a power operated winch at its rear end, comprising, a frame having a beam attached to one side of the tractor, extending the entire length of the tractor body, a lifting frame comprising two pusher bars, one on each side of the tractor, and a rigid beam connecting the front ends of the pusher bar forming a rigid frame structure, the rear ends of the pusher bars being pivoted to the tractor body near its rear end, a pusher blade connected with the front end of the pusher frame, and means for raising and lowering the front end of the pusher frame, by power derived from the tractor, comprising a pulley block slidably connected with the longitudinally extending beam, means for moving the block rearwardly comprising, a cable having one end connected with the winch and the other operatively connected with the beam and pulley block assembly, a cable having an intermediate part thereof connected with the pulley block and its ends connected with opposite sides of the pusher frame near its front end and a guiding means for the last mentioned cable comprising a plurality of pulleys.

2,417,521
STOP DEVICE FOR OVEN DOORS

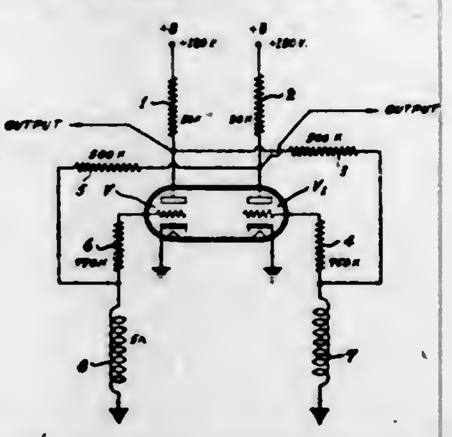
Herbert M. Reeves, Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass., a corporation of Massachusetts
Application August 25, 1943, Serial No. 499,935
3 Claims. (Cl. 126—198)

1. In a gaseous fuel cook stove comprising a baking oven having a top panel with an inner lining forming the top wall of the oven, a front opening and a hinged door for said opening biased toward a closed position, a stop plate, a headed pivot pin carried by said inner lining and rotatably supporting the stop plate at the upper edge of said opening, said stop plate having a portion swingable into a position projecting through said front opening for engagement with the upper edge portion of the hinged door to hold the same in partially open position, and said pivot pin having means associated therewith and with said lining acting to exert an axial thrust on the headed pin so as to hold the plate frictionally against rotational movement.



2,417,522
MULTIVIBRATOR CIRCUIT

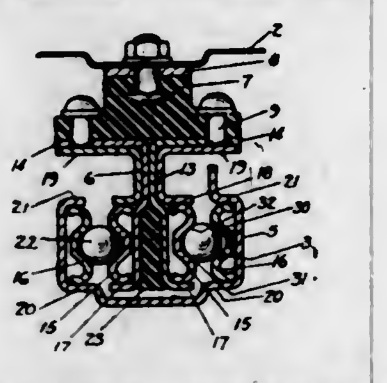
Eugene R. Shenk, Brooklyn, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application March 16, 1944, Serial No. 526,805
8 Claims. (Cl. 250—36)



1. A multi-vibrator circuit having two degrees of electrical stability comprising a pair of electrode structures each having an anode, a cathode and a grid, an inductance coil connecting the grid of each structure to its cathode, and a resistor connecting the anode of each electrode structure to the grid of the other structure.

2,417,523
SEAT ADJUSTER

Emory Glenn Simpson, Detroit, Mich., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 14, 1943, Serial No. 494,603
7 Claims. (Cl. 155—14)



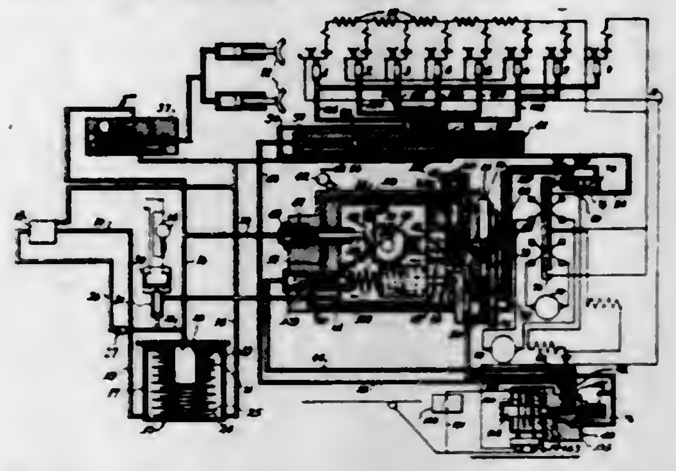
2. In a seat adjuster, inner and outer relatively movable track members, the outer track member having side walls, opposed ways extending longitudinally of the inner track member, cooperating

ways extending longitudinally of the side walls of said outer track member opposite the ways in the inner track member, antifriction members positioned on opposite sides of the inner track member in said cooperating ways, said antifriction members serving as the sole support for the inner track member in the outer track member, and a rubber block under compression positioned between the ways in the inner track member for placing a load upon the antifriction members in said ways.

2,417,524
FLUID OPERATED CONTROL SYSTEM

Joseph J. Slomer, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application January 14, 1944, Serial No. 518,245
12 Claims. (Cl. 172—179)

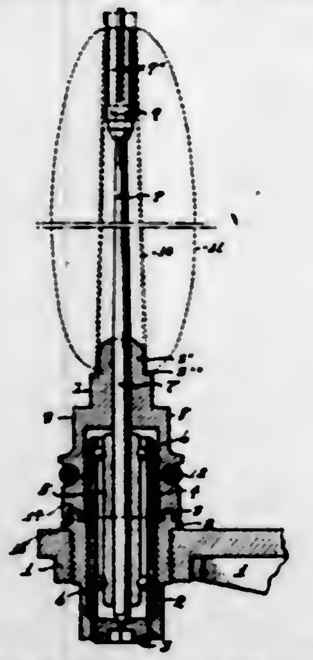


12. In a fluid operated controller adapted to control an electric circuit, a plurality of contacts for cutting a resistance out of or into said electric circuit step by step, a separate fluid motor operatively connected with each of said contacts, for operating each of said contacts in a definite sequence, a distributor valve for supplying fluid under pressure to said motors in a predetermined order, said distributor valve including a piston, a plurality of port openings, each of said port openings being connected with one of said motors, a variable pressure control valve for supplying fluid under pressure to said distributor valve at progressively increasing pressures, to move said distributor valve piston to uncover said port openings to fluid under pressure step by step, a spring for moving said distributor valve piston in a direction to close said port openings to fluid under pressure and to open said port openings to the return, an electrically operated fluid relief valve, a pressure line connecting said variable pressure control valve with said fluid relief valve, a pressure line connecting said fluid relief valve to said distributor valve, means connected in said electrical circuit for closing said fluid relief valve to pressure from said pressure control valve and opening said valve to permit fluid in said pressure line connecting said relief valve to said distributor valve, to flow to the return, and to permit said distributor valve spring to move said distributor valve piston in a direction to progressively close said port openings to pressure and to connect said port openings to the return, including an armature operatively connected with said relief valve, a series coil wound concentrically with said armature and connected in series with said electric circuit, for operating said relief valve upon overload of said electric circuit, and a shunt coil wound concentrically with said armature and adapted to hold said valve in a closed position until said valve is reset manually by interrupting the circuit to said shunt coil under manual control.

2,417,525
COP HOLDING SPINDLE FOR SPINNING OR TWISTING YARN

John S. Smith, Ramsey, N. J., assignor to Botany Worsted Mills, Passaic, N. J., a corporation of New Jersey

Application November 10, 1944, Serial No. 562,875
1 Claim. (Cl. 57—130)

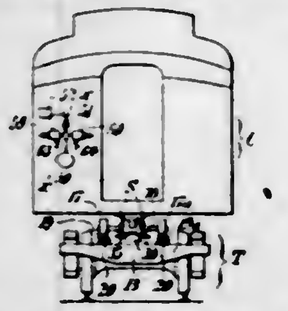


In cop holding spindles for spinning and twisting yarn, the combination, with a whirl adapted to receive and support one end of a cop tube and supporting and driving means for said whirl, of a tapered blade adapted to be held at one end and rotated by the whirl and a ferrule mounted on the free end portion of the blade and consisting of a solid annular base, concentrically apertured, and a sleeve carried by the base, said sleeve being longitudinally cut at spaced vertical lines and through one end of the sleeve, thereby providing a plurality of yieldable arms projecting therefrom toward the free end of the blade for engagement by the inner wall of a cop tube at the end portion thereof remote from the whirl, each arm being curved in cross section so that in plan view the arms are in ring assembly.

2,417,526
STABILIZING MECHANISM FOR RAIL AND OTHER WHEELED VEHICLES

Carleton K. Steins and William M. Keller, Merion, Pa., assignors to The Pennsylvania Railroad Company, Philadelphia, Pa., a corporation of Pennsylvania

Application September 29, 1944, Serial No. 556,326
9 Claims. (Cl. 105—164)

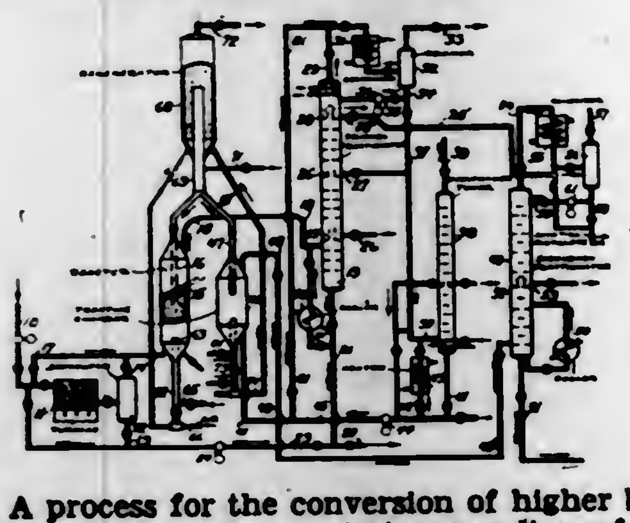


1. Stabilizing mechanism for a rail and other wheeled vehicle whereof the body is capable of lateral tilting relative to a supporting truck, said mechanism including a transverse shaft mounted in the underframing of the vehicle body; cam means at opposite ends of the shaft set at an angle to each other adapted to react with the truck to tilt the body in opposite directions from a normal vertical position depending on the direction of shaft rotation; reversible power means for actuating the shaft; and control means including an element responsive to centrifugal action incident to travel of the vehicle on curves, for controlling the operation of the power means so that the shaft is rotated in the proper direction and to the proper extent to tilt the vehicle body to an angle corresponding to the drift of said element.

2,417,527
CONVERSION OF HYDROCARBON OILS

William J. Sweeney, Summit, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application January 31, 1942, Serial No. 428,995
4 Claims. (Cl. 196—49)



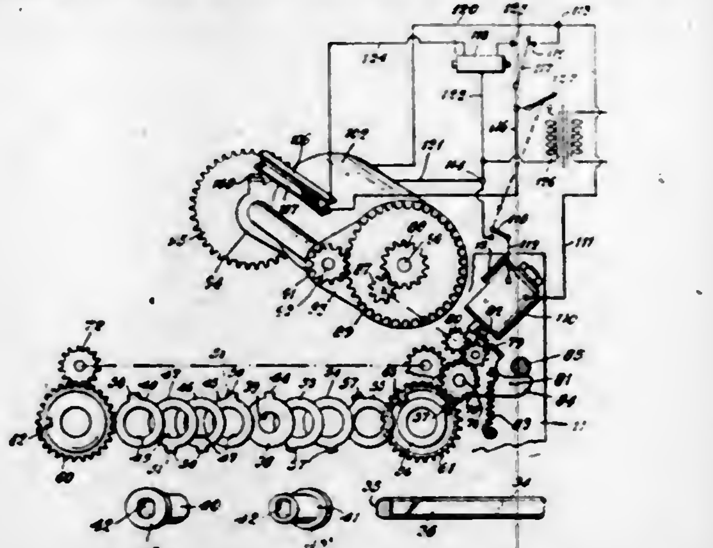
1. A process for the conversion of higher boiling hydrocarbons into aviation gasoline of low acid heat which comprises cracking said oil at a temperature of from 875° F. to 1000° F. in the presence of an active cracking catalyst, maintaining said oil in contact with said catalyst for a period sufficient to convert from 40% to 80% of said oil into other constituents, fractionating the conversion products to segregate a light naphtha fraction comprising principally constituents boiling below 200° F. and a heavy naphtha fraction boiling within the range of the desired aviation gasoline, subjecting said light naphtha fraction to further treatment in the presence of said catalyst at a temperature below the temperature employed in the cracking of said first-named oil, and thereafter combining the light fraction so treated with said heavy naphtha fraction to form an aviation gasoline.

2,417,528
PRESELECTING MECHANISM

Arthur C. Ten Cate and William C. Agerell, Chicago, Ill., assignors to Oak Mfg. Co., Chicago, Ill., a corporation of Illinois

Application May 29, 1945, Serial No. 596,482
5 Claims. (Cl. 192—142)

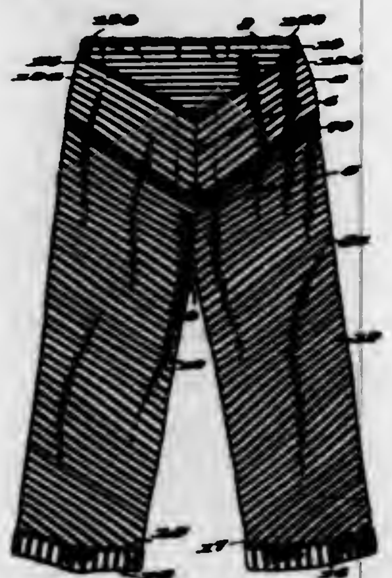
1. A preselector comprising a member having a predetermined range of movement and adapted to be indexed to a preselected position in said range, lost motion means adapted to move at equal speeds in opposite directions for moving said member, an electric motor for driving said two means, said motor having a stator and rotor and being adapted to stall when said member has reached a preselected position whereupon said two means will exert equal opposing forces on said member, a speed reducing gear drive from said motor rotor to said two means, said gear drive including a jackshaft parallel to said motor shaft with said jackshaft being geared down, means for supporting said jackshaft from the stator of said motor, means for mounting said stator so that it has limited rotary movement, means for biasing said stator to one end position, a control circuit for said motor, said circuit including a switch, and means for coupling said switch to said stator whereby when said motor stalls reaction causes said stator to move through a limited arc away from its biased position and operate said switch to open said motor circuit.



2,417,529
PANTS

Trent B. Terry, Charlottesville, Va.

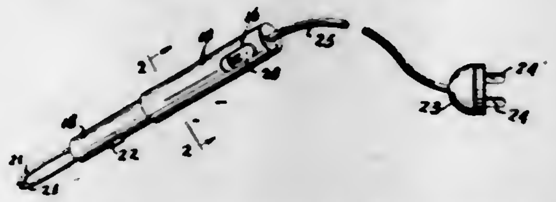
Application September 27, 1941, Serial No. 412,670
3 Claims. (Cl. 2—227)



1. In a pants garment, first blank means formed of woven fabric having the major portion of the upper edge thereof extending along the straight of the fabric, downwardly divergent side edges, downwardly convergent bottom edges, and a central cut-out of inverted U-shape between said bottom edges, second blank means formed of woven fabric, said second blank means being of less width than the first blank means and having a bottom edge extending along the straight of the fabric, a seam connecting the lower edge of the second blank means to the top edge of the first blank means, said second blank means having a central concave upper edge portion and a straight upper edge portion extending along the straight of the fabric at each side of said concave upper edge portion, means securing said side edges of said first blank means to the edges of said cut-out to form the legs of said garment, the free ends of said seam being disposed in downwardly converging relationship across the front of the garment, the ends of said

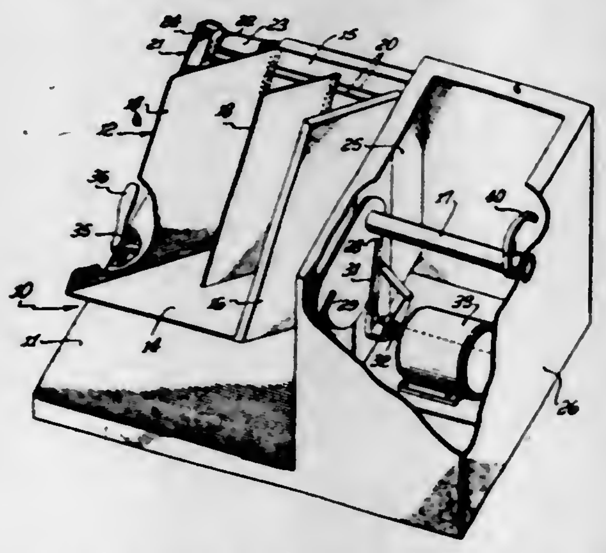
second blank means forming the fly of said garment, facing means on the ends of said second blank means, a substantially triangular waistband having a downwardly disposed apex, and a second seam connecting the lower edges of said waistband to the straight upper edge portions of said second blank means.

2,417,530
ELECTRICAL HAIR REMOVING INSTRUMENT
Tobiah Weiser, New York, N. Y.
Application December 9, 1944, Serial No. 567,462
1 Claim. (Cl. 128—355)



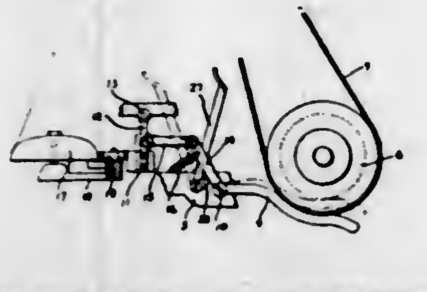
An electric tweezer device for pulling a hair and treating the hole electrically to inhibit hair regrowth comprising a casing, a soft rubber tube in said casing having an extension exteriorly of said casing, a metal plate secured to said extension and being exposed exteriorly, a pair of tweezer members secured to said rubber tube and extending therebeyond adapted to be moved together for pulling a hair by squeezing said extension, said casing extending beyond the end of said rubber tube remote from said tweezer members providing a chamber, a neon tube in said chamber supported by said rubber tube, an electric wire lead for transmitting current between a source of electricity and said tube, another electric wire lead for transmitting current between said tube and said tweezer members, another electric wire lead for transmitting current between said plate and to said source whereby when said tweezer members are brought into contact with said hair hole in a human body and said plate is brought into contact with said human body, said human body closes the circuit, lights said neon tube and effects current passage from said tweezer members to said hole, treating the cells at said hole and said hair root to inhibit hair regrowth.

2,417,531
CARD SORTING MACHINE
Nelson S. Welk, Athens, Ohio, assignor to The McBee Company, Athens, Ohio, a corporation
Application July 7, 1944, Serial No. 543,813
8 Claims. (Cl. 129—16.1)



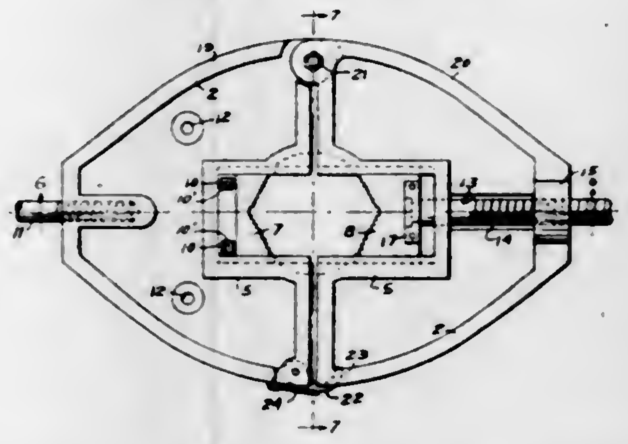
1. A card sorting device comprising a frame, a card receiving tray rotatably mounted on the frame for rotation about a horizontal axis, and latching means for releasably latching said tray in card receiving and card separating positions and means associated with the latching means for oscillating the tray at high frequency through the latching means when the latter has latched the tray in card separating position.

2,417,532
PAGE END ALARM FOR TYPEWRITERS
Edward T. Wickland, Roundup, Mont.
Application May 4, 1945, Serial No. 591,971
4 Claims. (Cl. 197—189)



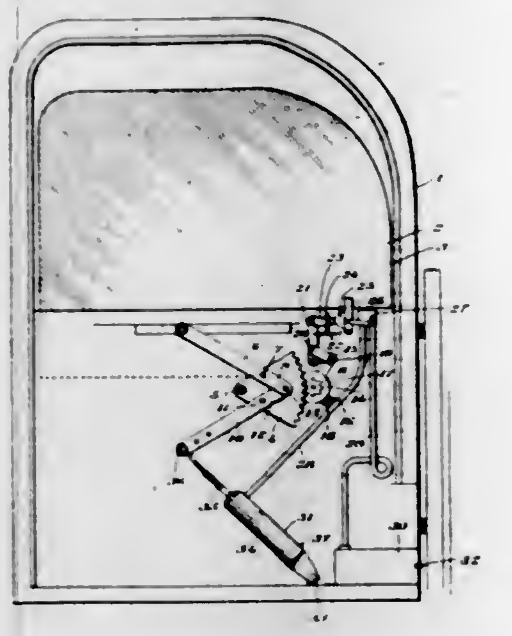
1. A page end alarm for typewriters having a carriage provided with a platen, said platen having an annular groove normally covered by a sheet of paper placed thereon, a bell mounted on a stationary part of the machine and including a pivoted clapper having a laterally projecting lug at one end, a bar pivotally suspended on the carriage for forward and rearward swinging movement, normally inactive means connected to the bar and operable to enter the groove upon uncovering thereof by the paper to swingably actuate the bar rearwardly toward said lug of the clapper, and a lug adjustably carried by the bar for engaging said first-named lug.

2,417,533
PUMP ROD AND PIPE CLAMP
Wylie S. Wilkison, Bayard, N. Mex.
Application February 9, 1945, Serial No. 577,045
2 Claims. (Cl. 81—18)



1. A pump rod clamp, comprising a relatively heavy body having marginal edge flanges top and bottom and formed with hingedly connected sections, a dog for holding the sections together oppositely positioned and alined internally threaded enlargements, a slot in one section in alinement with one of said enlargements, a pair of jaws carried by the body, one being removably attached thereto to form a fixed jaw, the other jaw being slidable on the body with reference to the first jaw, and a screw for moving the sliding jaw mounted in said slot and said alined enlargement and a handle for the body mounted in the opposite alined enlargement.

2,417,534
AUTO WINDOW CONTROL
Wylie S. Wilkison, Bayard, N. Mex.
Application March 5, 1945, Serial No. 581,065
7 Claims. (Cl. 268—125)

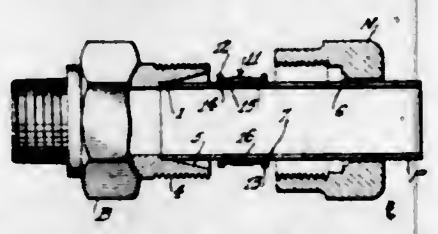


1. A window opening device for use with an automobile window having an operating pivoted toothed quadrant, and a pinion for operating the quadrant to close the window, comprising a movable mount for the pinion, a source of compressed air, a cylinder and piston assembly, a lever on the quadrant, a rod connected with the lever a second lever on said quadrant pivoted to said first lever, said second lever pivoted to said window for the raising and lowering thereof said first rod connected to said cylinder and piston assembly, a valve in the compressed air line from the cylinder to the source of compressed air, actuating means operatively connected with the valve and with the movable mount for the pinion to release the pinion from the quadrant when the valve is opened, and to re-engage the pinion when the valve is closed.

2,417,535
PRODUCTION OF TEXTILE MATERIALS WHICH ARE SENSITIVE TOWARDS WATER
John Guilfoyle Williams and Leonard Krause, London, England, assignors to British Celanese Limited, London, England, a company of Great Britain
No Drawing. Application October 26, 1943, Serial No. 507,766. In Great Britain December 7, 1942
5 Claims. (Cl. 8—130)

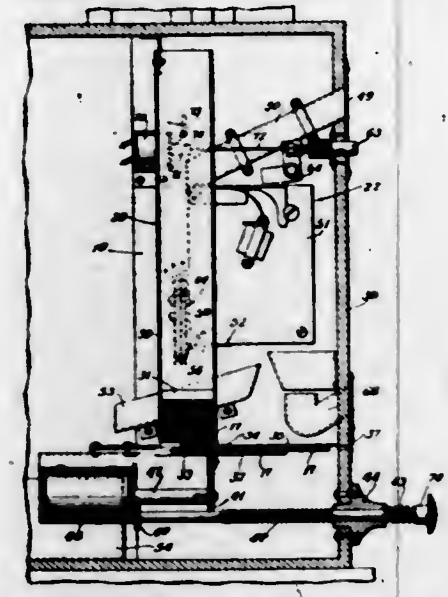
1. Process for the manufacture of textile materials having a very low wet strength and a substantial dry strength, which comprises applying to a textile fabric having a basis of an organic ester of cellulose, a solution of concentration below 10% of a strong mineral acid selected from the group which consists of hydrochloric and sulphuric acids in an aqueous solution therefor, concentrating the acid solution on the fabric, allowing the fabric while wet with the acid solution to stand in air which is saturated with water vapor until the wet strength of the fabric has been reduced to the desired very low value, and then freeing the fabric from the acid.

2,417,536
PIPE COUPLING
Paul D. Wurzburger, Cleveland, Ohio
Application September 27, 1944, Serial No. 556,005
2 Claims. (Cl. 285—122)



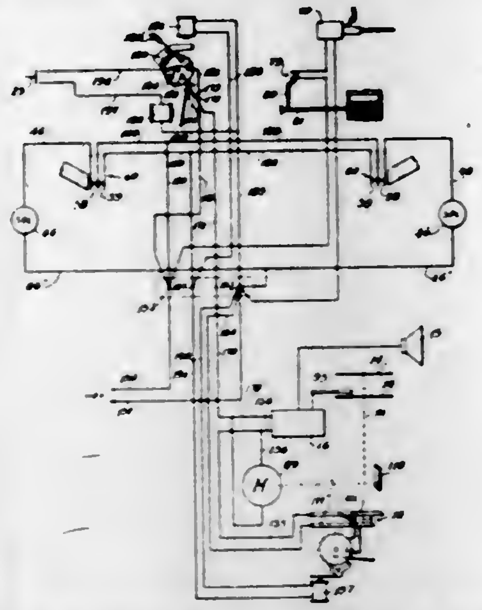
1. A coupling for a pipe, comprising a body member having a flaring mouth and to which a pipe is to be coupled, a packing member arranged to surround the pipe in its operative position, said packing member having a forward end portion cooperating with the flaring mouth of said body member to constrict such forward end portion, said packing member also having a rear inner sharp edge portion formed at the juncture of the inner surface thereof with the rear end surface formed incident to the machining thereof and having an outwardly extending flange at its rear end, one surface of which is formed as said rear end surface, and means cooperating with said body member for forcing said packing member axially of said pipe, the last named means having a portion adapted to engage said outwardly extending flange of said packing member and roll it over toward the forward end thereof, so as to move said rear inner sharp edge portion away from said pipe on the completion of the coupling, while forcing the rear portion of the packing member into gripping engagement with said pipe.

2,417,537
AMUSEMENT APPARATUS
Nathan D. Wyckoff, Sterling, Ill.
Application June 18, 1941, Serial No. 398,514
11 Claims. (Cl. 312—55)



11. In an amusement apparatus of the character described, a card vending means having an operating means arranged for actuation as an incident to the vending of a card therefrom, automatic phonographic reproducing means operable in an operative cycle to give play directions relating to a predetermined game and having an energizing circuit for operating said phonographic reproducing means including two switches, means operable as an incident to the operation of said operating means of said card vending means for closing a first one of said

switches, means operable by said phonographic means at the end of a cycle of operation thereof to open said first switch, means operable as an incident to the operation of said operating means of said card vending means to open the second one of said switches, electrically operated means for returning said second one of said switches to a closed position to start operation of said phonographic reproducing means, and a starting circuit for energizing said electrically operated means including a normally open manually operable switch and also including a second switch actuated to an open position as an incident to closure of said first-named second switch and actuated to a closed or conditioned position as an incident to opening of said first-named second switch.



2,417,538
VARNISHING ARMATURES AND THE LIKE

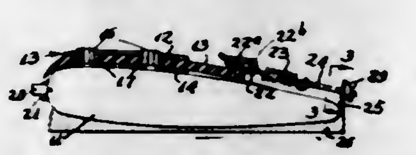
Don F. Alexander, Dayton, Ohio, assignor to The Sterling Varnish Company, Haysville, Pa., a corporation of Pennsylvania

No Drawing. Application April 2, 1946, Serial No. 659,151
7 Claims. (Cl. 171—206)

1. That method of varnishing a wound stator for an electromagnetic machine which comprises folding the leads of the winding inwardly into the armature-receiving bore of the stator, heating the stator to a temperature high enough to evaporate solvent from electrical varnish applied thereto, rotating the stator about the axis of said bore in a bath of said varnish while immersed to a depth sufficient to cover the stator coils, removing the stator from said bath while the stator is still in a highly heated condition, and continuing to rotate it while heating it to bake the varnish with retention in substantial entirety of the varnish coating.

2,417,539
FLEXIBLE DRILL JIG

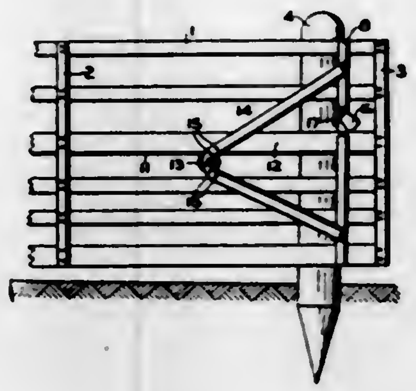
Theodore F. Aronson, New York, N. Y.
Application January 20, 1944, Serial No. 518,948
4 Claims. (Cl. 77—62)



1. A flexible drill jig, comprising a flexible sheet, drill guiding bushings mounted through said sheet, and fastening elements for holding said flexible sheet in a stretched condition on a piece of work to be drilled, said flexible sheet being constructed of superimposed rubber layers and means for securing said layers together.

2,417,540
GATE

Enos Jearld Bopp, Illinois City, Ill.
Application November 26, 1945, Serial No. 630,725
3 Claims. (Cl. 39—79)



1. In a gate structure, the combination of a gate having a plurality of longitudinal boards connected together by cross-ties, a post for the support of said gate, a pair of vertical bars between which said gate is slidable, a V-shaped support having the free ends of its arms secured to one of said pair of bars, a grooved wheel pivotally mounted at the closed end of the V-shaped support, and a pendulantly hung dog pivotally mounted between the vertical bars in a position to swing into engagement with the top of one of said longitudinal boards of the gate when it is horizontal, said wheel engaging the under edge of one of said boards at a point remote from said pair of bars for the purpose of supporting the weight of the gate and cooperating with said dog in holding the forward end of the gate off the ground when it is in a horizontal position.

2,417,541
VITAMIN B_6 INTERMEDIATES

Gustaf H. Carlson and Frederick J. Pilgrim, Pearl River, N. Y., assignors, by mesne assignments, to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application June 25, 1942, Serial No. 448,496
4 Claims. (Cl. 260—295.5)

3. A compound of the group consisting of 2-methyl-4,5-dicarboxy pyridone-6 and salts thereof.

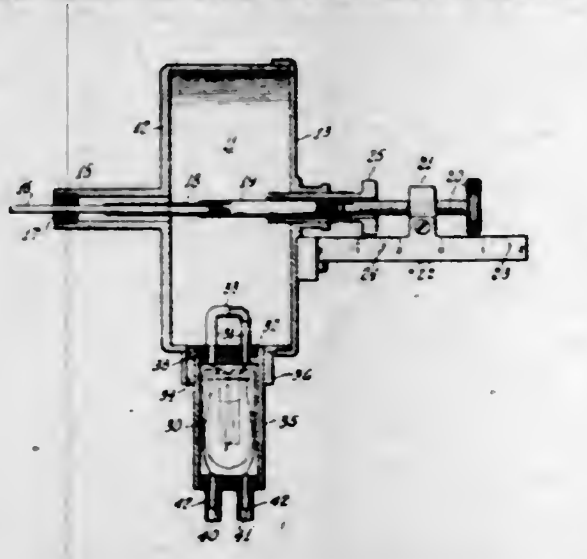
2,417,542
IMPEDANCE MATCHING CIRCUIT

Philip S. Carter, Rocky Point, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application February 4, 1943, Serial No. 474,657
4 Claims. (Cl. 178—44)

1. A coupling means for a pair of transmission lines including a hollow cylindrical resonant chamber, means for varying an electrically effective transverse dimension of said chamber whereby the resonant frequency thereof is varied, the first of said transmission lines having one conductor connected to a wall of said chamber and the other penetrating into said chamber, the

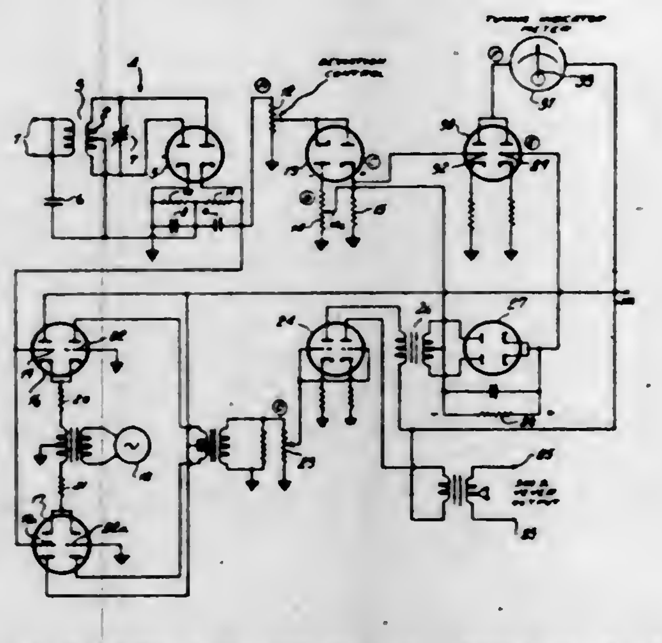
penetration of said other conductor being variable, the other of said transmission lines being connected to a conductive loop extending within said chamber.



2,417,543
TUNING INDICATOR FOR FREQUENCY SHIFT CARRIER TELEGRAPH SYSTEMS

Reynold S. Chapin, Flushing, N. Y., assignor to Press Wireless, Inc., New York, N. Y., a corporation of Delaware

Application January 5, 1946, Serial No. 639,262
10 Claims. (Cl. 178—66)

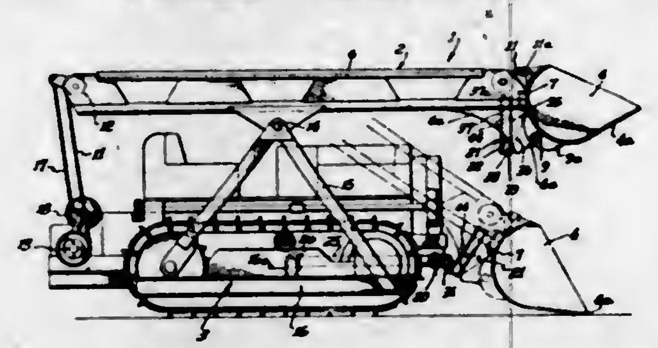


1. In a telegraph system for receiving a carrier frequency F_m representing a telegraph mark signal and a carrier frequency F_s representing a telegraph space signal and including a receiver for said frequencies normally tuned to produce a predetermined base potential representing a mean frequency between F_m and F_s, a balanced differential discriminator for producing mark and space voltages in response to said frequencies, rectifier means connected to said discriminator to produce positive and negative D. C. voltages corresponding to said signals, a source of sustained tone frequency, means to key said source on and off in synchronism with the received signals, means to rectify and combine a portion of the keyed output of said source with one of said D. C. voltages to produce a resultant, and a tuning control indicator which is energized by the other of said D. C. voltages and by said resultant.

2,417,544
MATERIAL HANDLING APPARATUS

Clarence C. Coleman, Los Angeles, Calif., assignor of one-half to Marion P. McCaffrey and one-half to William Ruddock, both of Los Angeles, Calif.

Application October 16, 1944, Serial No. 558,887
9 Claims. (Cl. 214—140)

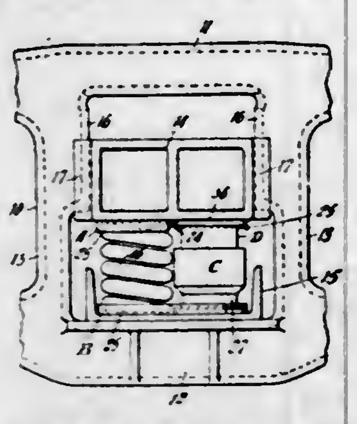


1. In material handling equipment adapted for mounting on a self propelled vehicle having a frame, and including a bucket and arm assembly supported on and above the vehicle frame for movement about a horizontal axis to raise and lower the bucket, the bucket being lowered in advance of the vehicle to be loaded by movement of the vehicle urging the bucket into the material to be handled, means forming an abutment on the vehicle frame, and means forming an arcuate surface on said assembly curved about said axis, and engageable with said abutment when the bucket is in any one of several loading positions for transmitting force incident to the loading of the bucket directly to the vehicle frame.

2,417,545
SNUBBING MEANS

George E. Dath, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware

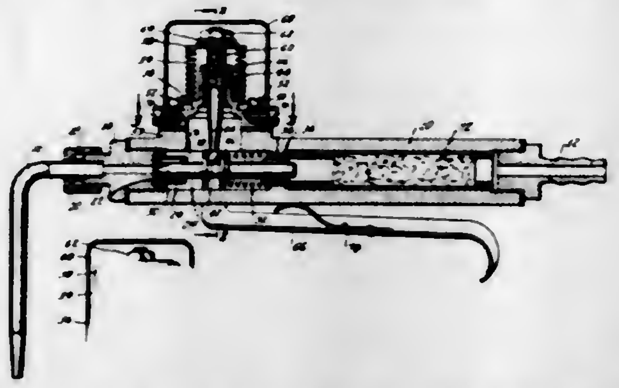
Application March 9, 1944, Serial No. 525,722
6 Claims. (Cl. 267—9)



1. In a shock absorber, the combination with spring follower plates movable toward and away from each other, each follower plate having a laterally outwardly opening recess partly surrounded by an inwardly projecting flange; of a plurality of springs interposed between said plates, said springs being compressible between said follower plates; a friction casing seated at its outer end in the recess of one of said follower plates; a friction member slidably telescoped within said casing and having its outer end seated in the recess of the other follower plate; laterally outwardly projecting retaining flanges on the outer ends of said member and casing respectively engaged in back of the flanges of said follower plates to anchor said member and casing to said follower plates for outward movement therewith; and means pressing said friction member and casing into tight frictional engagement with each other.

2,417,546
AIR GUN VALVE MECHANISM

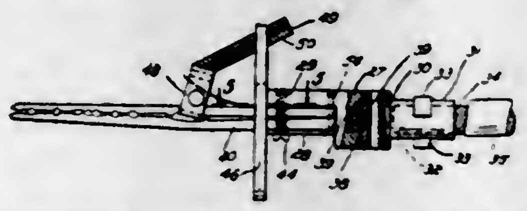
Clarence A. de Giers, Forest Hills, N. Y., assignor to The Liquidometer Corporation, Long Island City, N. Y., a corporation of Delaware
Application August 31, 1943, Serial No. 500,655
1 Claim. (Cl. 251—134)



A manually operable valve mechanism adapted for sensitive and accurate control of gaseous flow through a nozzle, comprising a tubular body member, means for conducting a gas to and from said body member, a valve seat in said body member, a longitudinally movable valve having a tapered portion for association with said seat, means for guiding said valve during its movement constructed as a plurality of ribs between which a gas may flow past said valve, an actuating lever for said valve connected thereto so as to move said valve positively in both directions, means pivoting said lever intermediate its ends about a center fixed in respect to said body member, a flexible metallic bellows having one end fixed in gas-tight relation in said body member and the other end secured to and in gas-tight relation with an outer portion of said lever, said metallic bellows being adapted to be flexed by the rocking of said lever about its pivotal point in the operation of said valve, an actuating finger lever having a bifurcated portion extending around said body member and rigidly secured at its outer end to the outer end of the first named lever, said finger lever having a major actuating portion on the opposite side of said body member from which the first named lever extends and extending along substantially parallel with said body member for a substantial distance, and a helical compression spring interposed between a part rigid with said body member and a part rigid with said valve and tending to urge the latter towards its closed position, said levers and valve being so constructed and arranged that said valve may be positively actuated in both directions by the operation of said finger lever.

2,417,547
ELECTRODE HOLDER

Thomas S. Donnelly, Detroit, Mich.
Original application November 21, 1941, Serial No. 419,946. Divided and this application July 12, 1943. Serial No. 494,425
5 Claims. (Cl. 219—8)



1. An electrode holder jaw comprising an elongated, plate-like gripping member; and lateral wings projecting outwardly from and beyond opposite sides of said gripping member intermediate its ends.

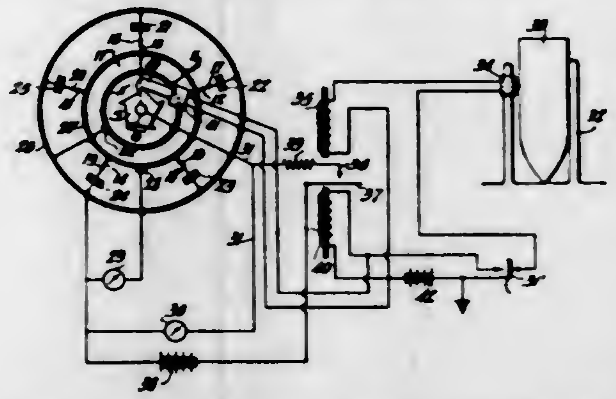
2,417,548
PROCESS FOR PREPARING DIOXANES

Karl H. Engel, Teaneck, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
No Drawing. Application February 23, 1943, Serial No. 476,847
9 Claims. (Cl. 260—338)

1. A process for the preparation of dioxanes which comprises reacting a hydrocarbon oil boiling within the range of from about 100° to about 210° C. and containing between about 10% and about 80% by weight of a substance selected from the group consisting of indene, styrene, coumarone and their homologs with an aqueous formaldehyde solution in the presence of mineral acid, which is the sole acid ingredient.

2,417,549
FIRE CONTROL COMPUTER

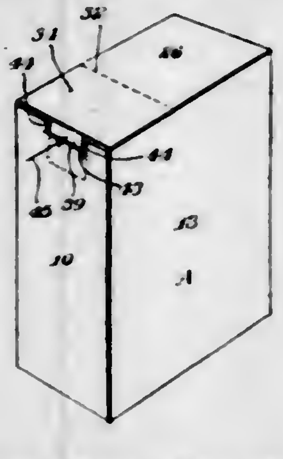
Thomas L. Gottier, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 29, 1944, Serial No. 520,375
6 Claims. (Cl. 161—15)



1. The combination of a fuse setter including a switch which is closed in response to removal of a shell therefrom, a firing pin, and means responsive to closure of said switch and operation of said firing pin for measuring the dead time of said shell.

2,417,550
RECLOSING CARTON

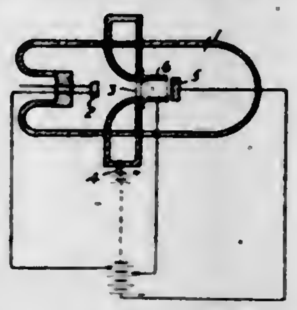
Reynolds Guyer, St. Paul, Minn., assignor to Waldorf Paper Products Company, St. Paul, Minn., a corporation of Minnesota
Application December 4, 1944, Serial No. 566,483
9 Claims. (Cl. 229—17)



8. A reclosable paperboard carton comprising tubularly arranged side walls, end closure flaps issuing from the upper ends of said side walls and secured in overlying superimposed relation to form a top closed end for said side wall, a fold line in said top closure extending parallel to one of said side walls, at least a portion of said one side wall being formed of two laminations of paperboard, a locking tab formed in the innermost of said laminations adjacent the upper edge of said one wall, a second fold line connecting said closure tab to said top closure wall, weakened lines of separation connecting the corresponding ends of said first named and second named fold lines in said top closure wall, a notch in the upper edge of the outer lamination of said one side wall in registry with and small relative to the notch formed in the inner lamination thereof by the separation of the locking tab therefrom, said locking tab being foldable to underlie said end closure flaps when forced inwardly, the inward pressure being exerted through the notch in said outer lamination.

2,417,551
ELECTRON DISCHARGE DEVICE AND ASSOCIATED CIRCUIT

Stanley Hill, Heston, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application May 1, 1943, Serial No. 485,290
In Great Britain January 17, 1941
3 Claims. (Cl. 315—5)

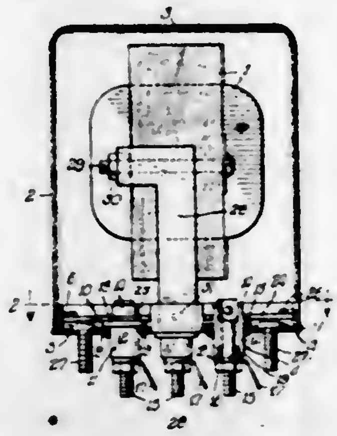


1. A high frequency apparatus including a source of electrons and an electrode toward which said electrons are to be directed, and a cavity resonator positioned between said source of electrons and said electrode, electrode means between said resonator and said electrode, means including a source of voltage and conductors connected between said source of voltage and said resonator, said electrode and said electrode means for maintaining said resonator at a high positive potential with respect to said cathode, said electrode at a negative potential with respect to said cathode, and said electrode means at a potential intermediate that of the resonator and said electrode.

2,417,552
TRANSFORMER BUSHING

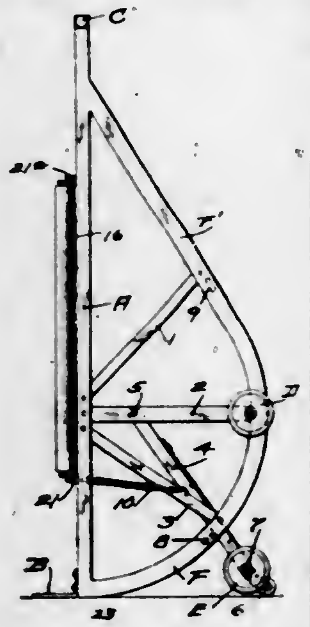
Elmer C. Ilker, Wilmette, and Donald O. Schwennesen, Chicago, Ill., assignors to Essex Wire Corporation, Chicago, Ill., a corporation of Michigan
Application May 30, 1944, Serial No. 538,025
1 Claim. (Cl. 174—153)

In a transformer having a housing provided with an apertured wall part with an inclined rim; an electrical insulating seal comprising a cylindrical body portion of rigid insulating material extending through the aperture of said wall part, said body portion having a centrally disposed longitudinal bore therethrough and having an annular under cut shoulder overlapping the rim portion of the wall part about the aperture therein, said rim inclination and under-cut shoulder cooperating to produce an annular region having a generally wedge-shaped cross section with the widest part of the wedge being nearer the center, a sealing gasket of flexible insulating material around said body between said shoulder and rim portion, a conducting terminal extending in said bore through said insulating body, means on said terminal engaging one end of said insulating body for retaining said terminal in said body, a sealing gasket of flexible insulating material around said terminal and engaging the other end of said insulating body for sealing said terminal to said insulating body, and means for pressing said insulating body, terminal and apertured wall part together for sealing engagement.



2,417,553
HAND TRUCK

Nels Jensen, Grass Valley, Calif.
Application July 30, 1945, Serial No. 607,827
4 Claims. (Cl. 280—49)

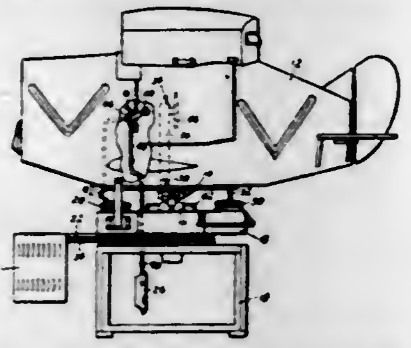


1. A truck for handling and displaying rolls of linoleum or the like comprising an elongated frame, a shovel plate secured at one end thereof to receive and support a linoleum roll in vertical position, a handle at the opposite end of the frame, a plurality of laterally spaced rollers journaled on the frame intermediate the shovel plate and the handle and extending longitudinally of the frame, said rollers supporting the linoleum roll in a horizontal position and permitting unrolling of the linoleum roll, a pair of laterally spaced wheels forming a support for the forward end of the frame, an arm pivoted at one end to the frame, a pair of laterally spaced wheels journaled at the opposite end of the arm, a spring connected with the arm and normally maintaining the arm and the wheels carried thereby in engagement with a stop member positioned forward of the first-named wheels when the truck assumes a vertical position, said arm and the wheels carried thereby swinging rearwardly when the frame is swung from a vertical to a horizontal

position and engaging a stop on the frame at a point rearwardly of the first-named wheels whereby a four-wheel support is formed for the truck and the linoleum roll supported thereby.

2,417,554
LOCKING DEVICE FOR AVIATION TRAINERS

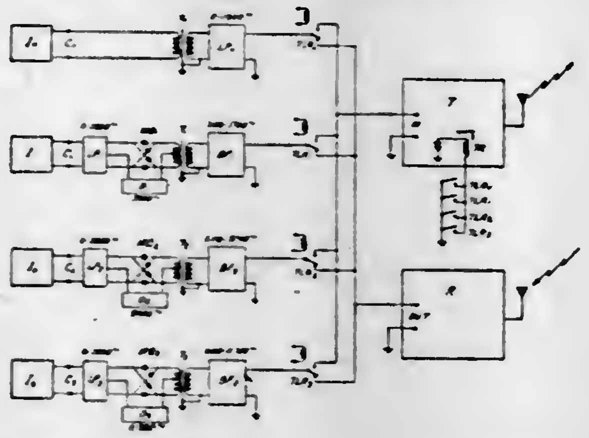
William D. Jones, Houston, Tex., assignor to Link Aviation Devices, Inc., Binghamton, N. Y., a corporation of New York
Application March 5, 1945, Serial No. 581,048
10 Claims. (Cl. 35—12)



1. In combination with a grounded navigation trainer comprising a fuselage mounted upon a universal joint for movement about an axis longitudinal of said fuselage and about an axis transverse of said fuselage and having a lower member positioned below said fuselage and universal joint, a locking device for maintaining said fuselage in the level position when said trainer is not in use, said locking device comprising a pair of rigid arms each having an upper and a lower end, means attached to said fuselage for engaging the upper ends of each of said arms and means attached to said lower member for engaging the lower ends of each of said arms; and a manually operable control connected to said arms and located inside said fuselage so as to be under the control of an operator therein for selectively engaging and disengaging one of the ends of each of said arms from its engaging means.

2,417,555
RADIO CARRIER TELEPHONE SYSTEM

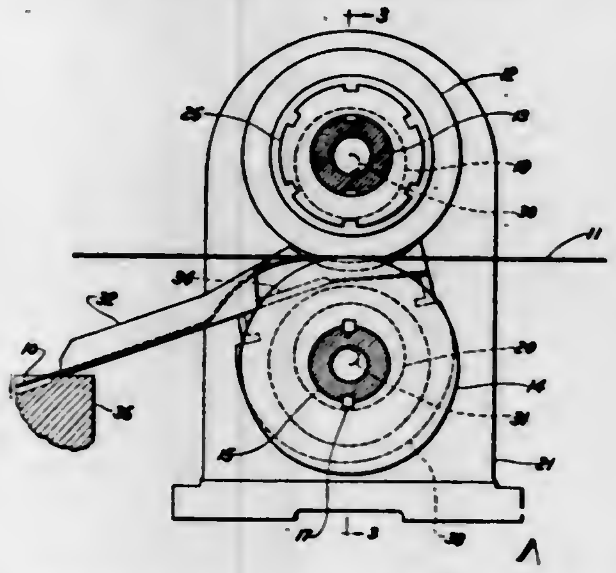
Leo A. Kelley, New York, N. Y., assignor to The Rauland Corporation, Chicago, Ill., a corporation of Illinois
Application March 1, 1944, Serial No. 524,819
8 Claims. (Cl. 250—9)



5. In a carrier radio telephone system, a plurality of terminal stations each having a radio transmitter and receiver, and a plurality of transmission media constituting two-way channels arranged to be connected in multiple to the radio transmitter and receiver, an intercom set for each channel, each set having a loud speaker, an amplifier, and a two-position switch connecting in one position the associated channel with the output and the loud speaker with the input of the amplifier, and in the second position the loud speaker with the output and the channel with the input of the amplifier, a relay for each set energized in the second position of the associated switch, normally closed and normally open contacts for each relay connecting the associated channel, respectively, to the output of the receiver and the input of the transmitter at the terminal station, a power control relay in each transmitter, and normally open contacts for the relays of all sets controlling in multiple the power control relay.

2,417,556
TRIMMING APPARATUS

Adrian P. Kramer, Detroit, Mich., assignor to National Steel Corporation, a corporation of Delaware
Application April 21, 1945, Serial No. 589,571
5 Claims. (Cl. 164—10.6)

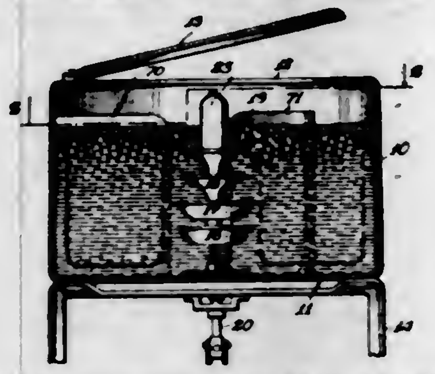


1. Apparatus for trimming side scrap from a metal sheet such as steel strip, steel plate and the like, said apparatus comprising, in combination, a rotatable trimmer knife for trimming side scrap from such a sheet; a rotatable knife-supporting member on which said trimmer knife is supported for rotation; a stop; and an elongated, side scrap guiding member mounted on said rotatable, knife-supporting member with an inner end adjacent the knife in position to receive the trimmed side scrap and with the other end slidably supported on said stop, said stop normally preventing rotational movement of said side scrap guiding member about said rotatable knife-supporting member.

2,417,557
WASHING AND CLEANING MACHINE

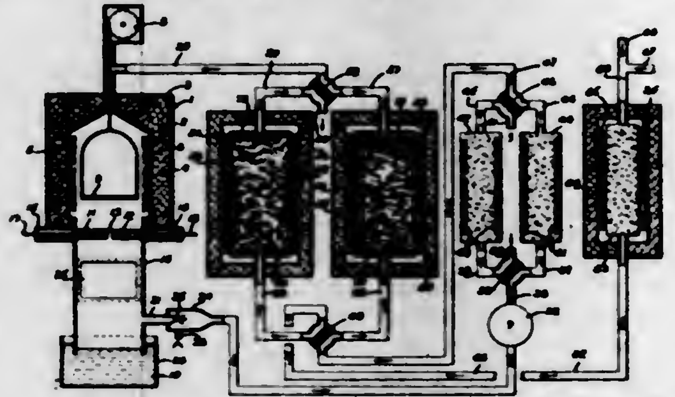
George Kuhn, Silver Spring, Md., assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Original application October 17, 1936, Serial No. 106,080, now Patent No. 2,282,332, dated May 12, 1942. Divided and this application May 11, 1942, Serial No. 442,641
2 Claims. (Cl. 68—27)

1. Apparatus of the character described comprising a tub to receive liquid and articles to be washed, an agitator mounted in the central portion of said tub for vertical reciprocatory movement, said agitator having means responsive to the vertical reciprocatory movement of the agitator through the liquid to produce a unidirectional toroid of said liquid and articles to be washed, means to reciprocate said agitator vertically to produce said toroid, and a substantially vertical radial baffle extending from the side wall of said tub into proximity to said agitator a sufficient distance to sever said toroid and reduce intertangling of said articles to be washed.



2,417,558
METHOD OF AND APPARATUS FOR MANUFACTURING NITROGEN

Alfred W. Laird, Oak Park, and Gordon J. Maxson, Western Springs, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application January 10, 1942, Serial No. 426,368
2 Claims. (Cl. 23—220)

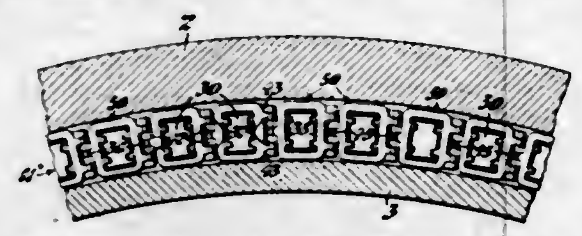


1. An apparatus for maintaining an atmosphere of nitrogen in a furnace at a pressure higher than atmospheric comprising a treating furnace, a pair of heated retorts in parallel arrangement adapted to contain comminuted copper, a pair of dryers in parallel arrangement, valve and conduit means operating to alternately interconnect a dryer and a retort in series with the furnace and to shut off the other retort and dryer therefrom for re-generation, a pump arranged to recirculate furnace atmosphere through the dryer and retort in series, and automatic means opening to the atmosphere between the inlet of the pump and the furnace arranged to admit air to the inlet of the pump on a drop of pressure in the furnace.

2,417,559
ANTIFRICTION BEARING RETAINER

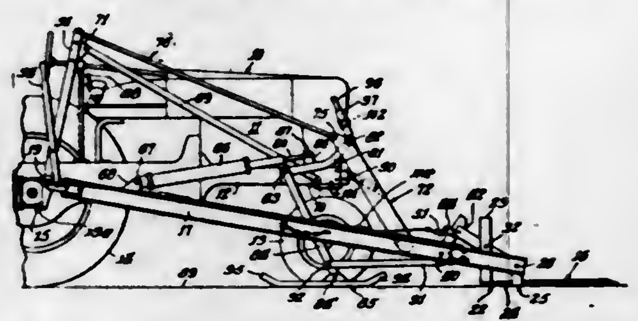
Arvid N. Larson, Cranston, R. I., assignor, by mesne assignments, to Cread Engineering and Research Company, Cranston, R. I., a corporation of Rhode Island
Application June 26, 1944, Serial No. 542,042
6 Claims. (Cl. 308—217)

1. A retainer for rotatably mounting the antifriction elements of a bearing in spaced relationship comprising a series of links, each link consisting of a pair of complementary sheet-metal flat-plate-like members superimposed one upon the other and shaped to provide an opening for receiving an anti-friction element, means on said members cooperating to retain the anti-friction element in the opening of the link, interleaving hinge-loops at the ends of the members, and hinge-pins extending through said loops with their axes parallel with the plane of the plate-like members to secure said members together to form a complete link, said hinge-pins also extending through corresponding hinge-loops of adjacent links to connect the links in articulated relationship with the hinge connections located between adjacent anti-friction elements.



2.417.560
TRACTOR LOADING ATTACHMENT

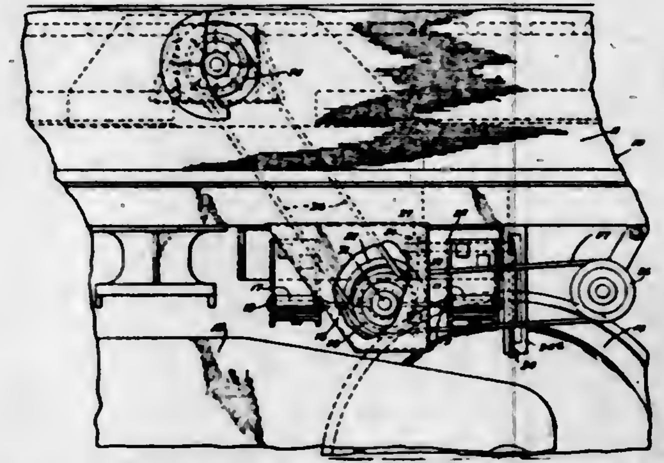
Gordon G. McNamara, Jr., Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application May 3, 1945, Serial No. 591,805
12 Claims. (Cl. 214—140)



1. In a tractor-mounted loader, arms pivoted to the tractor and extending forwardly therefrom, a shovel attached to said arms, supporting members attached to said arms for relative movement thereto, toggle means on the tractor for initially extending the supporting members downwardly to ground-engaging position and means for raising said arms on said ground-engaging members, and toggle limit means for causing simultaneous raising of the supporting members with the arms after initial raising of said arms.

2,417,561
POWER TAKE-OFF DEVICE FOR RAILWAY CARS

Charles L. Moorman, Millington, and Robert M. Burnett, Chicago, Ill., assignors to Union Asbestos & Rubber Co., Chicago, Ill.
Application July 20, 1945, Serial No. 606,147
7 Claims. (Cl. 74—13)



1. A take-off device which comprises a yoke pivotally secured to the car body, a shaft rotat-

ably carried by the yoke, a take-off roller carried by the shaft and adapted to engage a car wheel, and a take-off pulley carried by the shaft and drivably connected to an auxiliary mechanism, said take-off pulley being in alignment with the pivotal connection of the yoke to the car body.

2,417,562
LUBRICANT

John R. Morris, Beacon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

No Drawing. Application July 15, 1942, Serial No. 451,051

7 Claims. (Cl. 252—32.7)

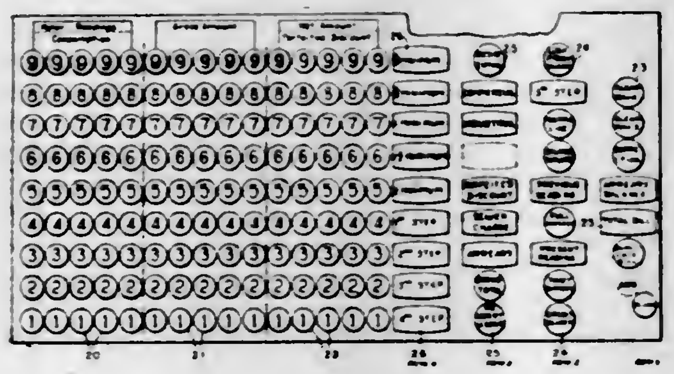
1. A lubricant comprising a hydrocarbon oil and 0.01–5.0% by weight of an oil-soluble metal salt of a sulfur-containing acid of phosphorus possessing at least one ester radical derived from an unsaturated alkyl phenol, said unsaturated alkyl phenol being derived from a member of the Anacardium genus of the Anacardiaceae family.

2,417,563
LOCKING DEVICE FOR ACCOUNTING MACHINES

Rudolph J. Moser, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland

Application June 17, 1943, Serial No. 491,144

8 Claims. (Cl. 235—130)



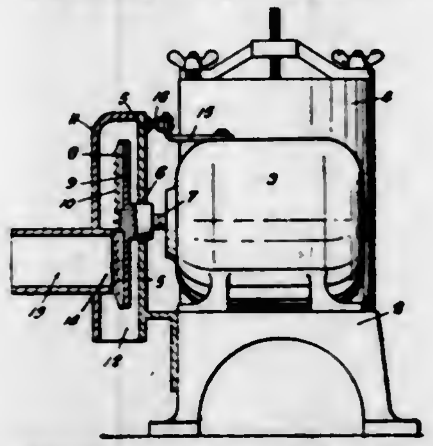
1. In a machine of the class described adapted to make a plurality of operations to complete a single transaction, said operations comprising adding, subtracting, and total-taking operations, the combination of a machine release shaft; a normally ineffective locking means for the release shaft; a totalizer including a plurality of plus wheels and a plurality of minus wheels; means controlled by the totalizer when the totalizer has a positive or a negative amount thereon to render said locking means effective to lock the machine release shaft to thereby prevent release of the machine for certain types of operations; means operable upon conditioning the machine for a total-taking operation to render the locking means ineffective so that the machine may be released for a total-taking operation; means to again render the locking means effective upon completion of the total-taking operation, said last means including devices settable during the total-taking operation and effective to reenable said locking means to prevent movement of the release shaft for an entry operation of a subsequent transaction, after said totalizer is reset to zero during said total-taking operation.

2,417,564
VEGETABLE AND FRUIT COMMINUTING DEVICE

Joseph MacRae Newman, Weston, Ontario, Canada

Application March 30, 1944, Serial No. 528,796

2 Claims. (Cl. 146—177)



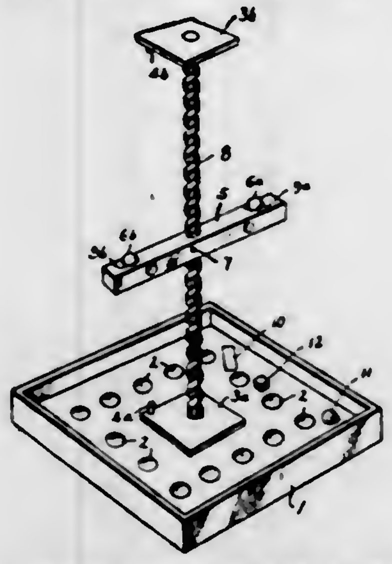
1. In a device of the character described, a supporting stand upon which the device is mounted, a disc rotatable about a horizontal axis and against which vegetables are pressed to be triturated, radial strips extending from the face of the disc, teeth cut in the edges of the strips, a vertical stationary plate positioned behind the disc and having its lower portion only rigidly secured to the stand, a housing detachably mounted on the plate and in which the disc is contained and formed with a discharge orifice in its bottom, and an open-ended tube protruding from the housing opposite the toothed face of the disc and through which vegetables are fed to bear against the teeth to be triturated, a solid support mounted on the stand and positioned behind the plate, and a connection adjustable in length and extending between the solid support and the upper portion of the plate whereby adjustment of the connection flexes the plate so that the housing mounted on the plate is moved relatively to the face of the disc.

2,417,565
GAME OR TOY

Benjamin E. Norvell, Oak Creek, Ariz.

Application January 6, 1945, Serial No. 571,606

5 Claims. (Cl. 46—47)



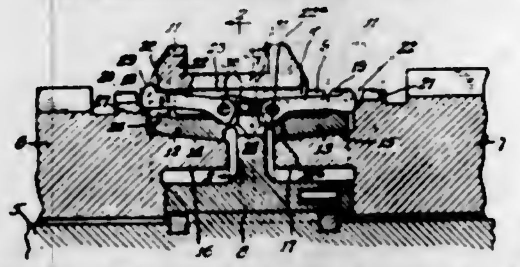
1. A game comprising a primary base, a spirally formed member, a base on each end of said spirally formed member, a rotatable member on said spirally formed member and said rotatable member having a hole shaped and provided for adapting said rotatable member for rotating and travelling on said spirally formed member and said rotatable member being provided for carrying movable objects, means for causing said movable objects carried by said rotatable member to be propelled from said rotatable member onto said primary base at a definite point in the travel of said rotatable member.

2,417,566
BLOCKING RING RELEASE MECHANISM

John B. Polomski, Detroit, Mich., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois

Application February 17, 1944, Serial No. 522,709

23 Claims. (Cl. 192—53)



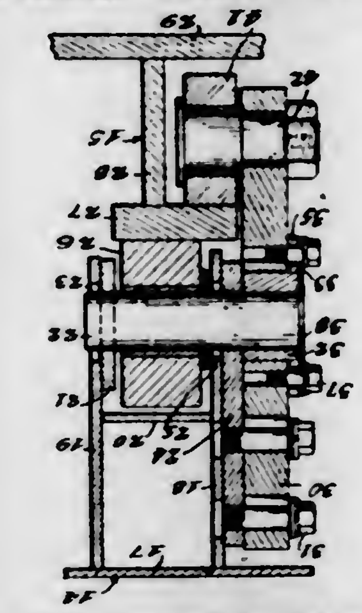
1. A power transmitting coupling comprising a rotatable element; another element adapted for connection to the rotatable element; synchronizing means between said elements to prevent engagement thereof except upon substantial synchronization of said elements, said synchronizing means comprising an axially fixed friction member and a friction member movable axially into engagement with the fixed member, the fixed member being operable with one of the said coupling elements; a slidable clutch collar drivingly associated with the other of said elements and adapted to establish a positive connection between the elements; means operated by the collar prior to the establishment of the positive connection to operate the synchronizing means; and means also operated by the collar prior to the establishment of the positive connection but subsequent to the operation of the synchronizing means to transmit force applied to the collar directly to the movable friction member of the synchronizing means to force the movable friction member away from the fixed friction member.

2,417,567
HOOK ROLLER MOUNTING FOR ROTARY CRANES

Fred B. Ray, Indianapolis, Ind., assignor to Insley Manufacturing Corporation, Indianapolis, Ind., a corporation of Indiana

Application October 5, 1945, Serial No. 620,557

5 Claims. (Cl. 308—222)



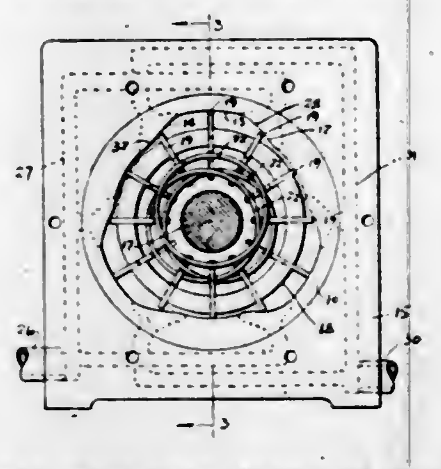
1. A hook roller mounting for cranes or the like having a rotatable platform member mounted on a supporting member provided with an annular track for engagement by the hook roller, said mounting comprising a bracket carried by the platform member, a shaft projecting from the platform member, an eccentric collar on said shaft and rotatively fitting said bracket, means for normally holding said collar from rotative movement, and a hook roller in fixed axial relation on said bracket, whereby rotative adjustment of said eccentric collar moves the hook roller toward or away from the annular track.

2,417,568
ROTARY VANE TYPE PUMP

Gustave E. Reilich, Ridgewood, Long Island, N. Y.

Application April 11, 1945, Serial No. 587,654

1 Claim. (Cl. 103—136)



In a rotary vane type device of the class described having a cylinder formed with three consecutive groups of internal sections, each group consisting of a small diameter section continuing into an increasing cam shaped section continuing into a large diameter section continuing into a decreasing cam shaped section and said groups being arranged so that said large diameter sections are diametrically opposite said small diameter sections, a rotor within said cylinder of a diameter slightly smaller than the diameter of said small diameter sections, twelve vanes radially slidably mounted in said rotor and spaced substantially equal distances from each other and arranged in diametrically opposite pairs, and means for moving diametrically opposite vanes simultaneously in unison in the same direction comprising three rings for each end of said rotor and housed in recesses formed in the end of said rotor and each ring engaging the inner edges of a different group of four of said vanes which are spaced 90° from each other, and each vane having each end portion formed with a cutout on its inner edge portion through which two of said three rings idle during the operation of said rotary vane type device.

2,417,569
METHOD OF AND APPARATUS FOR PRESS FORGING WRENCH SOCKETS AND THE LIKE

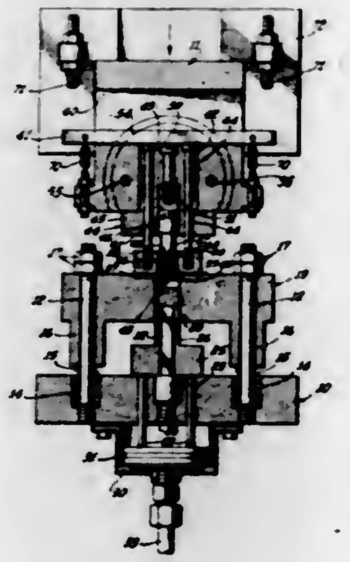
Henry T. M. Rice, San Marino, Calif.

Application August 29, 1944, Serial No. 551,650

3 Claims. (Cl. 76—114)

1. The method of press forging a socketed article, that includes loosely but closely confining a heated billet in a straight and substantially parallel sided die cavity formed in a female die, causing impingement upon opposite ends of said billet by two aligned piercing punches by effecting relative movement of said elements toward one another, whereby said billet is first slightly

expanded into tight contact with the wall surface of said die cavity, and a thin shell of the billet is chilled by said contact and caused to seize to said wall surface, continuing relative movement of said piercing punches toward one another, and thereby causing hot metal from the interior of the billet to flow first radially outwardly to said shell, then to divide and move in opposite directions longitudinally along said shell and beyond the two ends thereof to gradually extend said shell, and at the same time permitting the female die to float bodily in a direction parallel to the line of movement of said punches in a manner to yield under longitudinal thrusts exerted thereon through said shell, whereby tendency for relative movement between said shell and the die is minimized.



2,417,570
PROCESS FOR BLEACHING COTTON

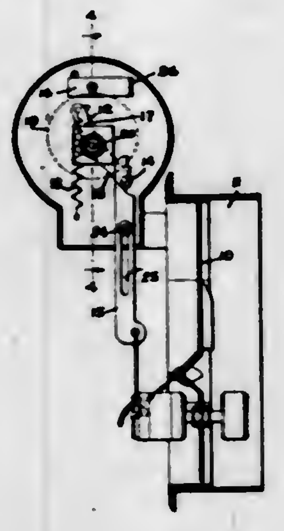
Stuart M. Rogers, Syracuse, N. Y., assignor to The Solvay Process Company, New York, N. Y., a corporation of New York
No Drawing. Application September 3, 1943, Serial No. 501,139
2 Claims. (Cl. 8—108)

1. A process for bleaching cotton fabric to a brightness of at least 86, which comprises subjecting the fabric to the action of an aqueous alkaline solution containing an alkali metal hypochlorite and between about 0.10 and about 2 grams per liter of a readily soluble stannate at a temperature between 70° and 200° F.

2,417,571
DRAFT CONTROL MECHANISM

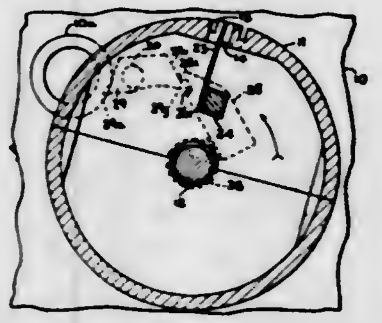
George A. Short, Cleveland, Ohio, assignor to Hotstream Heater Company, Cleveland, Ohio, a corporation of Ohio
Application August 7, 1944, Serial No. 548,481
1 Claim. (Cl. 236—45)

Control means for a furnace draft stabilizing damper, comprising an electric motor adapted while energized to be stalled without injury thereto, means operatively connecting said motor and damper and having stand-by and release positions, said connecting means including speed reduction gearing connected to the motor rotor, an operating member driven thereby and movable back and forth a disconnectible connection from said member to the damper, means adapted upon energization of the motor under stand-by conditions, promptly to disconnect said connection, power means effective upon said member and tending to move it reversely to its movement by the motor, and one-way clutch means between said reduction gearing and operating member arranged to permit through drive by either the motor or the power means.



2,417,572
SHEET CLAMPING DEVICE

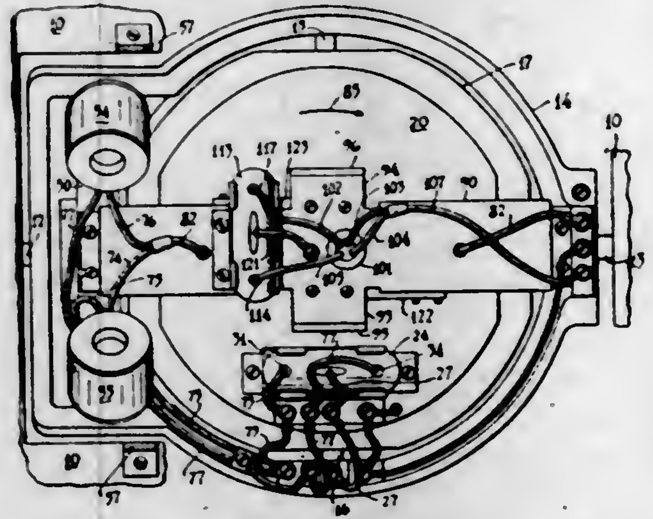
Frederick W. Storck, Arlington, and Paul T. Trueman, Canton, Mass., assignors to Standard Duplicating Machines Corporation, Everett, Mass., a corporation of Massachusetts
Application April 24, 1943, Serial No. 484,388
2 Claims. (Cl. 101—132)



1. A device of the character specified having a revolvable printing platen with means for rotating said platen and means for clamping one edge of a master copy sheet to the printing platen, said clamping means including a sheet edge receiving guide associated with the face of the platen, together with sheet edge clamping instrumentalities carried by the platen and having opposed operative and inoperative positions with means for actuating said instrumentalities, said last means including a rockable lever carried by the platen and associated with said clamping instrumentalities, with pressure means urging said instrumentalities into their operative position, a pivoted lever fixed in the rotative path of said rockable lever, each of said levers having angularly disposed faces, together with opposed male and female portions adapted for engagement with one another when said platen is rotated in one direction and whereby rotative movement of said drum in that direction is arrested and said clamping instrumentalities are actuated to their inoperative position against the action of said pressure means and said male and female portions having engaged latching faces disposed to retard movement of the platen in an opposite direction.

2,417,573
MEANS FOR STABILIZING GYRO DEVICES

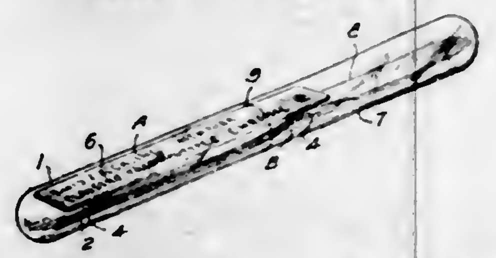
Fred P. Strother, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application April 7, 1943, Serial No. 482,217
4 Claims. (Cl. 74—5)



1. In combination, a gyroscope having a normally vertical axis of rotation and including means maintaining rotation of said gyroscope, a housing for said gyroscope, a cardanic carrier, said housing being pivoted to said carrier for rotation about a first axis which is in a plane perpendicular to said axis of rotation, a support, said carrier being pivoted to said support for rotation about an axis which is in planes perpendicular to said first axis and to the normal direction of said axis of rotation, a first fluid switch member actuable from an inoperative position to opposite, operative positions in response to rotation of said housing about said first axis, first electromagnetic means oppositely energizable by said first switch member to apply opposite rotative forces about said second axis on moderate deviation of said axis of rotation from the vertical, whereby to cause opposite precessive movements of said axis of rotation about said first axis, a second fluid switch member actuable from an inoperative position to opposite, operative positions in response to rotation of said carrier about said second axis, and second electromagnetic means oppositely energizable by said second switch member to apply opposite rotative forces about said first axis on moderate deviation of said axis of rotation from the vertical about said second axis whereby to cause opposite precessive movements of said axis of rotation about said second axis, said switch members including means cooperating to interrupt action of said electromagnetic means in the event of excessive deviation of said axis of rotation from the vertical in either direction, said first electromagnetic means comprising magnetically interengaging members carried by said carrier and said support, said second electromagnetic means comprising magnetically interengaging members carried by said housing and said carrier, one of said electromagnetic means comprising a pair of electromagnet elements and a pair of arcuate elements of magnetic material arranged for opposite variable magnetic interengagement with respective electromagnet elements of said pair, electrical energy being oppositely supplied to said electromagnet elements in accordance with the response of one of said fluid switch members, the other of said electromagnetic means comprising a first assembly including a pair of electromagnet elements and a second assembly including an arcuate element of magnetic material arranged for opposite variable magnetic interengagement with respect to the electromagnet elements of said first assembly, electrical energy being oppositely applied to said electromagnet elements in accordance with the response of the other of said fluid switch members.

2,417,574
SUTURE PACKAGE

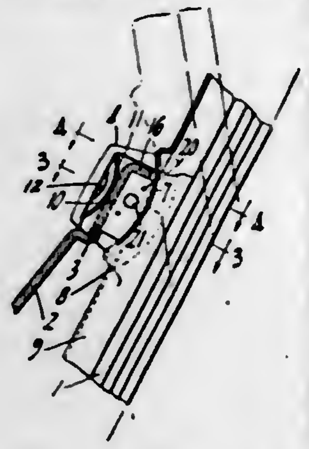
Edward Themak, Northport, N. Y., assignor to Davis & Geck, Incorporated, Brooklyn, N. Y., a corporation of New York
Application July 7, 1944, Serial No. 543,938
1 Claim. (Cl. 206—63.3)



In combination, a hermetically sealed suture tube, a dihedral reel having a suture wound thereon in said tube, the angularity of the dihedral and the width of the planes thereof being such that the reel is held under tension against the inside of the tube, whereby the reel is firmly held in a fixed position in the tube.

2,417,575
WINDSHIELD CLEANER

Marshall Thomson, Williamsville, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application June 19, 1943, Serial No. 491,491
12 Claims. (Cl. 15—250)



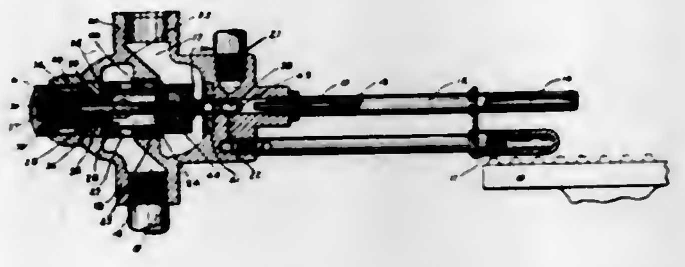
10. A windshield cleaner comprising a wiper having a spring mounting clip frictionally adjustable lengthwise thereof, the clip having an arcuate part slidably interlockable with a like shaped part on an actuating arm by relative rotary movement, one movement of adjustment resisting the other movement of adjustment whereby one adjustment may be made independently of the other adjustment.

2,417,576
MANUFACTURE OF VISCOUS PROTEIN SOLUTIONS FOR THE PRODUCTION OF ARTIFICIAL FILAMENTS

Robin H. K. Thomson, Kilwinning, and Stanley R. Swift, Saltcoats, Scotland, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application March 14, 1944, Serial No. 526,486. In Great Britain April 12, 1943
3 Claims. (Cl. 106—154)

1. The process for obtaining a viscous aqueous caustic alkaline solution of a peanut globulin

suitable for the production of textile filaments by spinning even after storage for at least a week, which comprises preparing a solution having a pH of less than 12.5 of a peanut globulin in an aqueous caustic alkali solution, the concentration of said alkali in said peanut globulin solution being not less than about 0.8% calculated as sodium hydroxide, thereafter maintaining the resultant freshly prepared solution at an elevated temperature within the range of from 35° C. to 60° C. for at least several hours until said solution has attained its maximum viscosity, cooling said solution to a temperature within the range of from 10° C. to 20° C. and thereafter maintaining the same at atmospheric temperature until said solution is required for spinning.



2,417,577
VALVE CONTROL MECHANISM

Thomas F. Van Denberg, Cleveland Heights, and John Selby, Euclid, Ohio, assignors to The Titan Valve and Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application March 12, 1945, Serial No. 582,336

8 Claims. (Cl. 158—117.1)

1. In combination, a hollow valve casing provided with fuel supply and discharge chambers, cooperating valve and seat devices both movably mounted in said casing and adapted in different relative positions to prevent or permit fuel flow from the supply to the discharge chamber, said devices being normally biased toward flow preventing relation with each other, reset means for advancing said devices while in flow preventing relation to a cocked position, a magnet couple including cooperating relatively movable mated permanent magnet and keeper members, one of said members being stationary and the other being movable and operatively associated with one of said devices for movement therewith, and thermally responsive means sensitive to the presence of heat produced by fuel flowing past said valve and including abutment means limiting advance reset motion of said movable member to a position close to but out of contact with its mate, said thermally responsive means being of such form and construction that when it is heated said abutment retires in the direction of advance movement of said reset means and permits said movable member to be further advanced into holding contact with its mate.

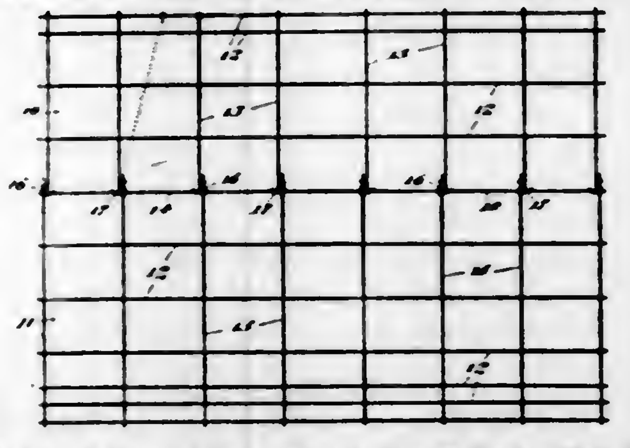
2,417,578
HINGED ROAD MAT

William E. White, Bethlehem, Pa., assignor to Bethlehem Steel Company, a corporation of Pennsylvania

Application April 7, 1945, Serial No. 587,055

7 Claims. (Cl. 72—109)

1. A hinged reinforcing mat comprising two reticular units each comprised by a series of rods attached to each other, a plurality of rods of one unit each terminating in a helix turned at right angles to the rod to form a hinge when combined with a rod of the other unit to serve as an axis capable of permitting a relative substantial folding movement between the two units.

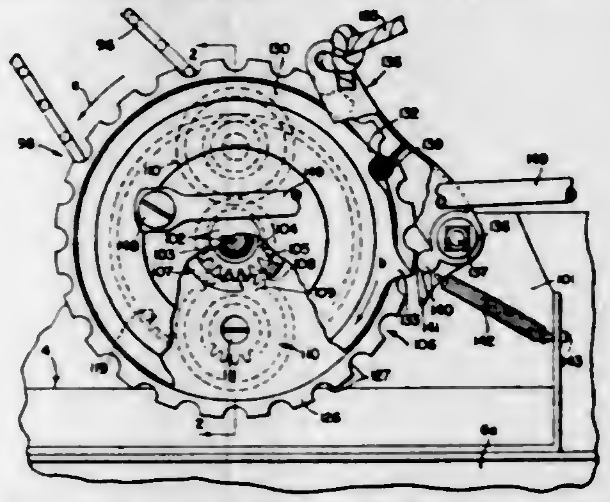


2,417,579
POWER LIFT DEVICE

Austin E. Young, Syracuse, N. Y., assignor to Syracuse Chilled Plow Co., Inc., New York, N. Y., a corporation of New York

Division of application Serial No. 378,122, February 10, 1941. Continuation of application Serial No. 416,002, October 22, 1941. This application March 3, 1944, Serial No. 524,940

12 Claims. (Cl. 74—289)



1. A self-interrupting clutch mechanism for agricultural implements or the like, comprising three rotatable coaxially disposed members, means for driving one of said members, planetary gearing means reacting against either of the other two members for transmitting power to the other of said two members, and a part having sections engageable with said two members and movable from one position, in which one of said sections holds one of said two members against rotation and the other of said sections releases the other of said two members for rotation, to a second position in which the other section holds said other of said two members against rotation and said one section releases said one of said two members for rotation, one of said members being provided with means engageable with said part for moving it into one of said positions.

2,417,580
POTATO DIGGER WITH POWER LIFT

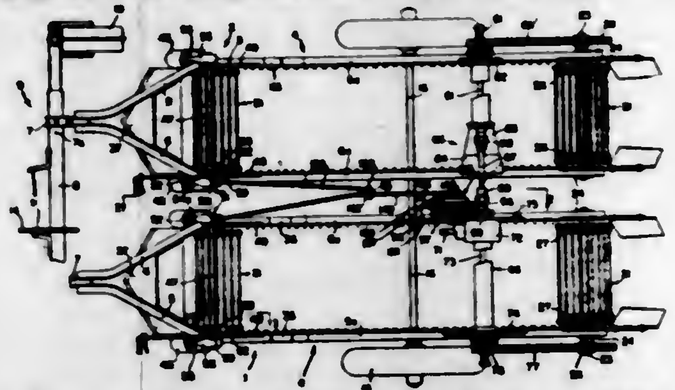
Austin E. Young, Syracuse, N. Y., assignor to Syracuse Chilled Plow Co., Inc., Syracuse, N. Y., a corporation of New York

Continuation of application Serial No. 378,122, February 10, 1941. This application filed March 15, 1944, Serial No. 526,828

27 Claims. (Cl. 55—51)

1. A two-row potato digger comprising a pair of digging implements connected in side by side

relation, each including a vertically adjustable shovel unit, elevator chain means supported on said shovel unit and the rear portion of the implement, a shaft supported on one of said implements and connected to drive the elevator chain means of both implements, power means for driving said shaft, power lift mechanism on one implement and operatively connected to be driven by said shaft, and connections between said power lift mechanism and each of said shovel units, whereby actuation of said power lift mechanism raises or lowers both shovel units.

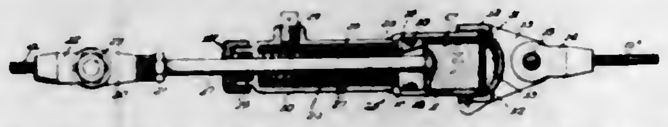


2,417,581
AUTOMATICALLY COMPENSATING CABLE CONNECTION

John L. Aldred, Jr., Fort Worth, Tex., assignor, by mesne assignments, to Consolidated Vultee Aircraft Corporation, a corporation of Delaware

Application December 31, 1942, Serial No. 470,885

1 Claim. (Cl. 267—1)



An automatic tensioning device in a controlling or shifting connection between elements supported by a structure which is responsive to contraction and expansion from temperature variations, comprising a casing provided with a cylinder and connected to one of the elements, a piston movable in said cylinder, a stem for the piston extending through one end of the casing and connected to the other of the elements, the casing being provided with a chamber of lesser diameter than the cylinder into which the stem extends and with a shoulder between the chamber and the cylinder, the chamber and cylinder being filled with a fixed and predetermined volume of hydraulic fluid and disposed on both sides of the piston, a spring in the casing for shifting the piston to hold the element under predetermined tension, means for restrictively conducting the fluid from one side of the piston to the other for controlling the movement of the piston by the spring and automatically compensating for the contraction of the structure to maintain the element under tension and means responsive to volumetric changes in the fixed volume of the fluid resulting from thermal expansion and contraction of the fluid for varying the cubical area of the chamber to compensate for said expansion and contraction and maintaining the elements under said tension.

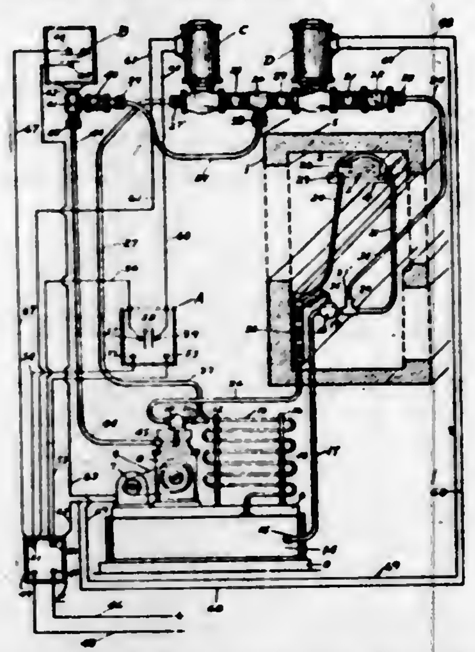
2,417,582
AUTOMATIC DEFROSTING REFRIGERATION SYSTEM

Albert S. Barfield, Atlanta, Ga., assignor to C. Dudley Shreve, Washington, D. C.

Application March 26, 1941, Serial No. 385,357

5 Claims. (Cl. 62—115)

1. A defrosting refrigeration circulation system including a compressor and a refrigerating coil, a branched conduit interposed between the pressure side of the compressor and said coil, one of the branches of said conduit constituting a passage for a refrigerant and including a condenser, the other branch of said conduit forming a passage for a hot defrosting gas from the compressor to said coil, pressure responsive means in communication with said hot gas passage, a time controlled electroresponsive means within said hot gas passage intermediate the compressor and point of communication of said pressure responsive means with said hot gas passage, and operable, to permit flow of a charge of hot gas from the compressor, to said pressure responsive means to effect quick starting of the compressor, and a second electroresponsive means within said hot gas passage intermediate said point of communication of said pressure responsive means with said hot gas passage and said coil operable coincidently with the starting of the compressor to permit flow of hot defrosting gas through said coil during the defrosting operation.

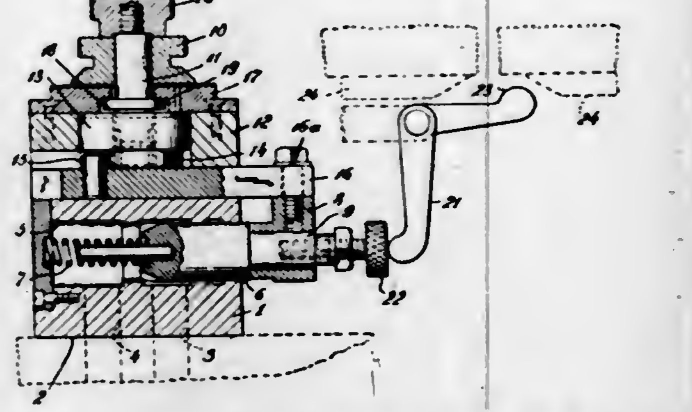


2,417,583
SPEED CONTROL VALVE

Racy D. Bennett, Detroit, Mich., assignor to Vinco Corporation, Detroit, Mich., a corporation of Michigan

Application June 5, 1943, Serial No. 489,843

2 Claims. (Cl. 251—152)



1. In a control valve the combination of a valve body having a valve bore therein, ports in said valve body connecting with said valve bore at separated points longitudinally thereof, a valve member mounted for reciprocation longitudinally of said valve bore and adapted upon movement in one direction to reduce the passageway between said ports and in the opposite direction to open said passageway said valve mem-

ber having a reduced portion at one end and a shoulder at the junction of said reduced portion and the other part of said valve member, a spring for moving said valve member in a direction to open said passageway valve operating means engaging said valve member for moving the same in opposition to said spring, an adjustable stop independent of said valve and said valve operating means for limiting the movement of said valve under the action of said spring, said stop comprising a collar mounted on said reduced portion of the valve member adjacent said shoulder for longitudinal movement independent thereof, an eccentric mounted for rotation on said valve body, connections between said eccentric and said collar whereby rotation of the eccentric moves the collar longitudinally of the valve body, and means for locking said eccentric in adjusted position.

2,417,584

METHOD OF PRODUCING ANTIBACTERIAL AGENT

John Howard Birkinshaw, Pinner, and Stephen Ernest Michael, Croyden, England, assignors to Therapeutic Research Corporation of Great Britain Limited, London, England, a corporation of Great Britain

No Drawing. Application October 8, 1943, Serial No. 505,540. In Great Britain September 17, 1943

4 Claims. (Cl. 195—36)

3. A process for the production of an antibacterial agent comprising making a culture of a mold selected from the group consisting of *Penicillium patulum* and *Penicillium expansum*, and extracting the ether soluble substances present in the mold metabolism solution by solvent extraction with an organic solvent selected from the group consisting of ether, ethyl acetate and amyl acetate evaporation in vacuo at a temperature of not over 45° C., crystallization, solution in an organic solvent selected from the aforesaid group of organic solvents and recrystallization.

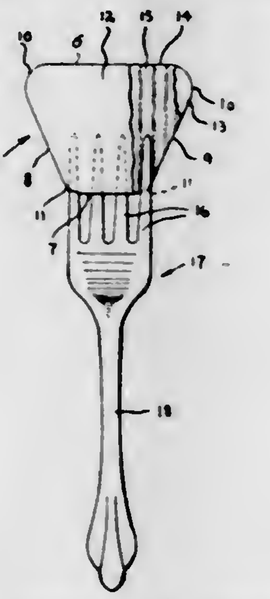
2,417,585

UTENSIL AND PLATE SCRAPER

Francis Anthony Cahill, Cleveland, Ohio

Application November 3, 1945, Serial No. 626,516

1 Claim. (Cl. 15—236)



A scraper and cleaner for plates, vessels, pots, pans and the like comprising a body of general trapezoidal form in top plan view, said body being substantially rectangular in cross sectional form and composed of spaced parallel upper and lower cardboard plies and an intervening cardboard ply, said intervening ply being corrugated and the corrugations being arranged to form open ended pockets, said pockets opening through opposite edge portions of said body and serving to accommodate the tines of a regular table fork, and a standard type table fork comprising a handle and a fork head, the fork head including tines and said tines fitting into corresponding chosen open ends of said pockets, whereby to detachably mount the body on the fork head and, in so doing, to permit the fork to be conveniently employed as a handle for manipulating said body.

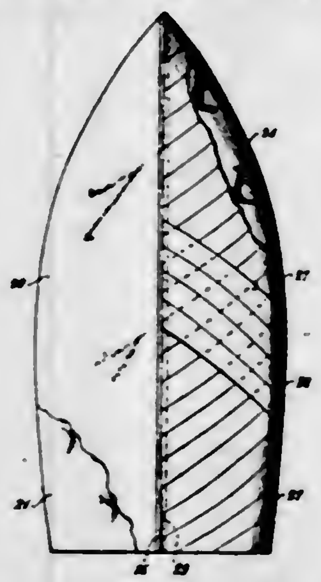
2,417,586

METHOD OF MAKING LAMINATED STRUCTURES

Powel Crosley, III, Coral Gables, Fla.

Application April 25, 1944, Serial No. 532,668

6 Claims. (Cl. 154—139)



1. The method of making a laminated structure, which comprises, superimposing at least one layer of fibrous material, over a form, while said layer is saturated and wet with a solution of a partially reacted synthetic resin which further reacts to a substantially insoluble and infusible state during curing, stretching a woven fabric over the outer surface of said fibrous material so as to build up an internal pressure on said layer prior to curing the resin therein, and curing said resin while maintaining said woven fabric in stretched condition during said curing to utilize the internal pressure created by said stretching to assist in the curing of said synthetic resin.

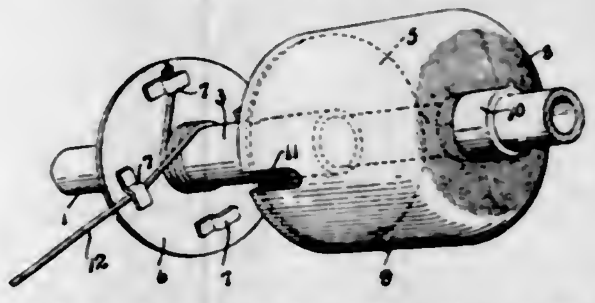
2,417,587

CLOTHESLINE REEL

Peter G. Damstra, Holland, Mich.

Application June 18, 1945, Serial No. 600,014

4 Claims. (Cl. 242—101)



1. In a construction as described, a horizontal tubular support provided with an annular inwardly pressed groove between its ends, a tubular sleeve located over said support and turnable

about the horizontal axis thereof, said sleeve having an inwardly pressed annular rib received in said groove, circular end plates connected to said sleeve and spaced from each other, and a plurality of spaced apart means secured at the inner side of one of said end plates adjacent the periphery thereof, with one of which a line may be connected and against another of which said line may be brought at the under side thereof when said line has been wound and tensioned, said second mentioned means being located outwardly from said sleeve in the direction of the line extension.

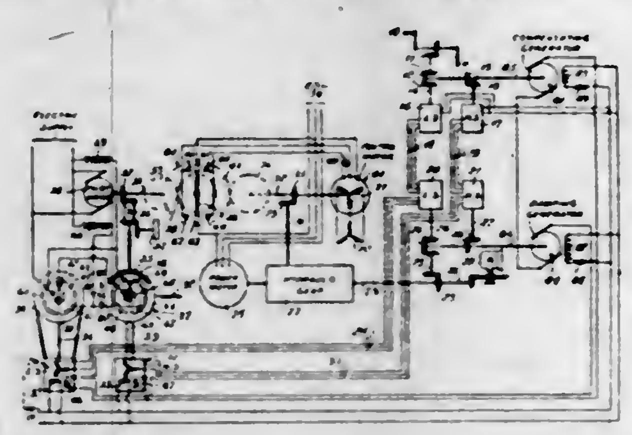
2,417,588

REMOTE CONTROL SYSTEM

Arthur P. Davis, Stamford, Conn., and George Agins, Brooklyn, N. Y., assignors to Arma Corporation, a corporation of New York

Application July 1, 1938, Serial No. 216,924

14 Claims. (Cl. 172—239)



1. In a system having a controlling element and a controlled element governed thereby, the combination of a motor connected to said controlled element, a reversing switch for controlling said motor and having two sets of contacts, operative connections between said controlling element and one set of said contacts, operative connections between said motor and the other set of said contacts, means interposed in the connections between the controlling element and said motor for regulating the operation of the latter, and means jointly responsive to the movements of the controlling and controlled elements for actuating said first means, said last-named means including series-opposed generators severally connected to said elements.

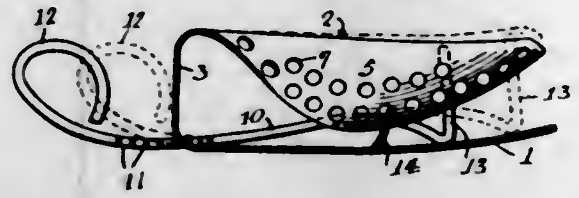
2,417,589

SHOE TREE

Zénon Desrosiers, Quebec, Quebec, Canada

Application May 17, 1946, Serial No. 670,596

6 Claims. (Cl. 12—128.5)



1. A shoe tree comprising a plate bent to provide top and bottom sections and a connecting end wall, said top section being also bent downwardly along its longitudinal edges to form side walls, said walls converging toward the free end of said top section, said top section being slit from said end wall to its free end, a stem slidable through said end wall, and a spreader for said side walls carried by said stem.

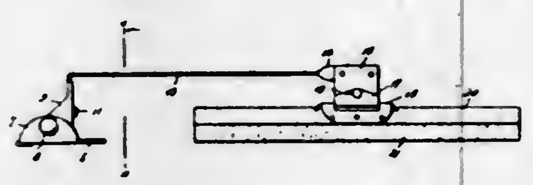
2,417,590

PHONOGRAPH RECORD CLEANER

Charles E. Disser and Urna S. Disser, St. Charles, Mo.

Application October 6, 1944, Serial No. 557,466

1 Claim. (Cl. 274—47)



A cleaning attachment for phonograph records comprising an attaching plate adapted for attaching to a phonograph cabinet adjacent the turntable thereof, said attaching plate having upstanding spaced parallel ears, a pin mounted transversely in said ears, a U-shaped bracket including spaced parallel sides pivotally mounted on said pin, the bight portion of the bracket having a vertical slot therein, an arm having a downturned end positioned in facing contact with the bight portion of the bracket, an adjusting screw inserted through the slot of the bracket and engaging the downturned end of the arm to vertically adjust the arm on the bracket, a wiper blade, and means pivotally attaching the wiper blade to the other end of the arm for supporting the wiper blade in gravitating position on to the surface of a record mounted on the turntable of the phonograph, said wiper blade extending radially of the record.

2,417,591

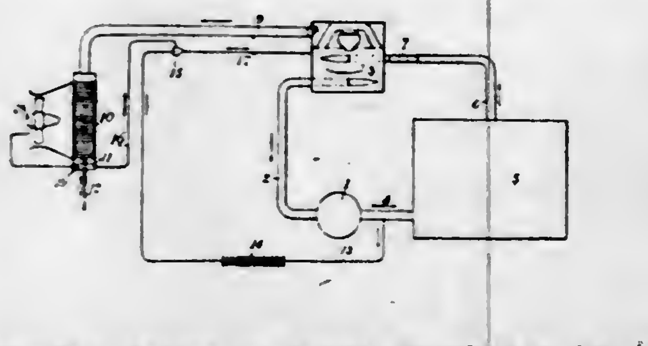
COOLING DEVICE OF INTERNAL-COMBUSTION ENGINES

Georges Levesque du Rostu, Paris, France, assignor to Société Anonyme Andre Citroen, Paris, France

Application July 20, 1945, Serial No. 606,078½

In France July 16, 1941

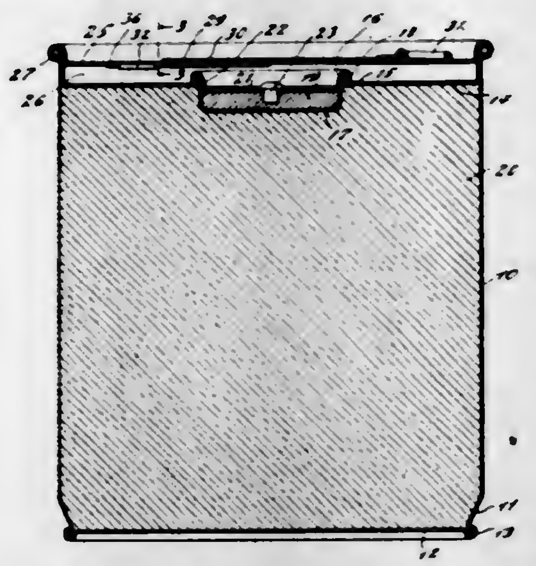
4 Claims. (Cl. 123—174)



3. Cooling device by liquid circulation for internal combustion engines comprising in combination a circuit starting from and ending at the motor jacket, a centrifugal pump inserted in said circuit, a liquid and steam separator inserted in said circuit between the motor and the said pump, a second circuit starting from the delivery side of said pump and ending at the said separator, an exhauster-injector inserted in said second circuit, a third circuit starting from said separator receiving from the latter the separated steam and ending at the suction orifice of the said exhauster-injector, a condenser inserted in said third circuit, a fan adapted to cool said condenser and electrically driven, and a thermostat, adapted to control the starting and the stopping of said fan in accordance with the temperature of the water of condensation in said condenser.

2,417,592
SMOKE GENERATOR

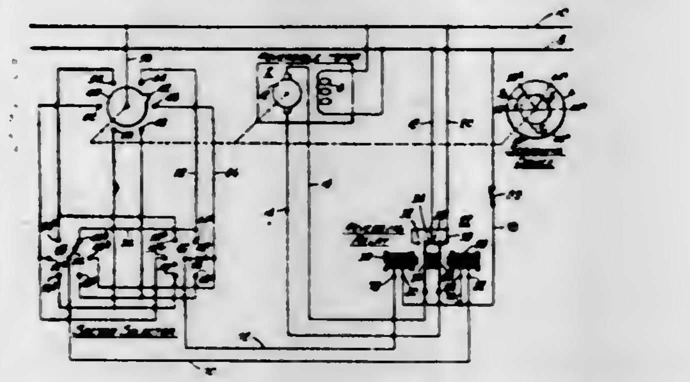
Martin Dwyer, Hewlett Bay Park, N. Y., assignor to Aerial Products, Inc., Merrick, Long Island, N. Y., a corporation of Delaware
Application August 28, 1943, Serial No. 500,354
2 Claims. (Cl. 102—65)



1. In a device of the character described, a container, an inner lid adjacent one end of said container, a cover member spanning said end and lying in spaced relationship with respect to said inner lid, said cover member having an opening, means for attaching said cover member and said inner lid in hermetical sealing relationship with said container, a removable tear strip normally hermetically sealing said opening, said inner lid having an opening, a pan-like member of combustible metal extending downwardly through said last-named opening from the upper side of the inner lid, a rim upstanding from said inner lid about said last-named opening, means to secure said pan-like member to said rim, and a retaining ring of the same material as said pan-like member to hold the contents of the latter in place secured with said member to said upstanding rim.

2,417,593
CONTROL APPARATUS FOR REVERSIBLE MOTORS

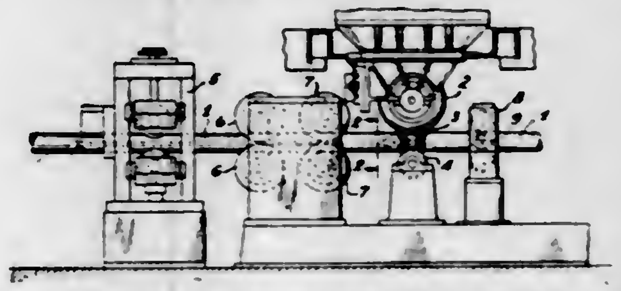
Frederick R. Farrow, Jr., Audubon, N. J., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application March 31, 1944, Serial No. 528,898
10 Claims. (Cl. 172—240)



10. Apparatus for actuating a rotatable device back and forth through any one of a plurality of predetermined sectors, comprising a reversible motor connected to said device to drive the same, rotary switching means driven by said motor synchronously with said device, said switching means including a rotating contact and a plurality of fixed contacts engageable by said rotating contact, a manually-adjustable sector selector device having two sets of fixed contacts each corresponding to those of said rotary switching means, and also having two rotatable contacts adapted to be placed in engagement with the associated fixed contacts according to the limits of the sector through which it is desired to actuate said rotatable device, electrically-operable means for effecting reversal of operation of said motor, and circuit connections between said rotary switching means, said sector selector device and said reversing means for controlling the latter so as to effect actuation of said rotatable device through a sector determined by the setting of the sector selector device.

2,417,594
METHOD OF PROGRESSIVELY ELECTRIC RESISTANCE BUTT WELDING LONGITUDINAL SEAM EDGES OF A TUBULAR BLANK AND APPARATUS THEREFOR

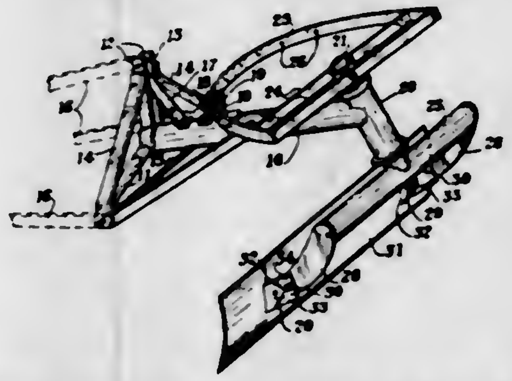
Jean R. Fleche, Youngstown, Ohio, assignor to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey
Application February 11, 1944, Serial No. 521,898
16 Claims. (Cl. 219—6)



1. In an electric resistance butt welder a frame, a tube welding throat defined in part by rolls and in part by a pair of rotary electrodes having shafts projecting at right angles therefrom at their centers of rotation, brackets secured to said frame, bearings in said brackets to receive the rotatable shafts of said electrodes, and means operatively associated with said brackets to position the planes of the electrodes at acute angles to the longitudinal axis of a blank in said throat.

2,417,595
IMPLEMENT HITCH FOR TRACTORS

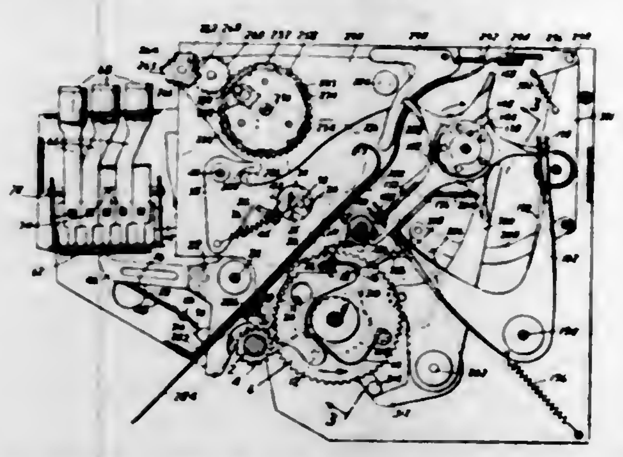
Robert Heath, Fort Collins, Colo.
Application December 5, 1945, Serial No. 633,005
1 Claim. (Cl. 37—159)



A ground working implement hitch for tractors, comprising, a rigid bar having its front end provided with means for effecting connection with a tractor, the rear end having a bearing whose axis is downwardly and rearwardly inclined, a shaft mounted in the bearing for rotarial adjustment, a beam non-rotatably connected at its center with the upper end of the shaft, an arcuate bar having its ends connected with the beam on opposite sides of the shaft, means carried by the rigid bar for latching the arcuate bar in any desired position, an implement supporting bar secured to the lower end of the shaft in right angular relation thereto and means at the ends of the last named bar for attaching a ground working implement thereto.

2,417,596
TICKET ISSUING MACHINE

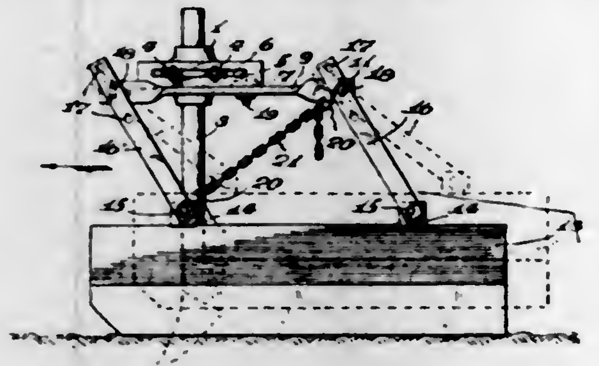
Reuben H. Helsel, Long Island City, N. Y., assignor to General Register Corporation, New York, N. Y., a corporation of Pennsylvania
Application January 22, 1945, Serial No. 574,018
19 Claims. (Cl. 164—49)



1. A ticket issuing machine comprising means for advancing a plurality of ticket strips in a single unit, a cycle controlling mechanism common to the advancing means for said plurality of ticket strips, and means for selectively providing control by the cycle controlling mechanism of the means for advancing the ticket strips so as to effect the selective issue of tickets from the several strips.

2,417,597
CULTIVATOR FENDER

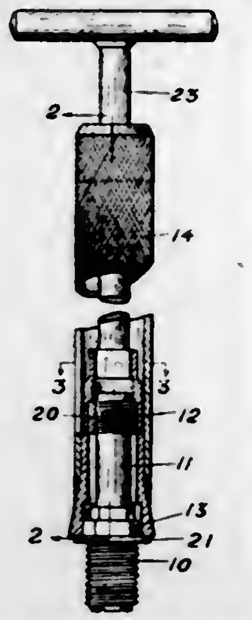
Charles L. Hill, Sioux Falls, S. Dak.
Application July 25, 1944, Serial No. 546,502
1 Claim. (Cl. 97—188)



In a device of the character described, an earthworking implement supporting standard, a clamp vertically adjustable on said standard, means for connecting the clamps to said standard, an adjustable horizontally disposed bar having a slot therein for receiving said clamp connecting means, whereby said bar is connected to said clamp and for permitting forward and rearward adjustments of said bar parallel to the normal path of movement of said earthworking implement independently of said clamp, a slotted arm rigidly connected to and extending outwardly at right angles from said bar, a second bar connected intermediate its ends to said arm for horizontal adjustments along said slotted bar parallel to and transversely of the normal path of movement of said earthworking implement, a plant protecting hood pivotally connected to and supported by said second-named bar, and means connecting the second named bar and hood for holding the latter in various horizontal and vertical adjusted positions with respect to the ground and to a row of plants to be cultivated.

2,417,598
WRENCH FOR SHIELDED SPARK PLUGS

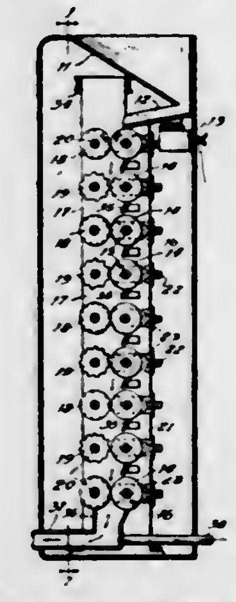
John Paul Jones, Brownsville, Tex.
Application September 23, 1944, Serial No. 555,561
5 Claims. (Cl. 81—125)



1. A spark plug wrench of the character described comprising in combination, a tubular member having a plug engaging socket at its lower end; a floating nut rotatably mounted within the tube adapted to engage a screw threaded shield member on the upper end of the spark plug; a stop shoulder for the nut in the tube, so arranged that the nut will clamp the socket on the spark plug; a removable wrench handle for the floating nut adapted to be inserted in the tube; a wrench socket in the upper end of the tube; and a handle having a shank adapted to engage said upper socket.

2,417,599
ASBESTOS FIBERIZING APPARATUS

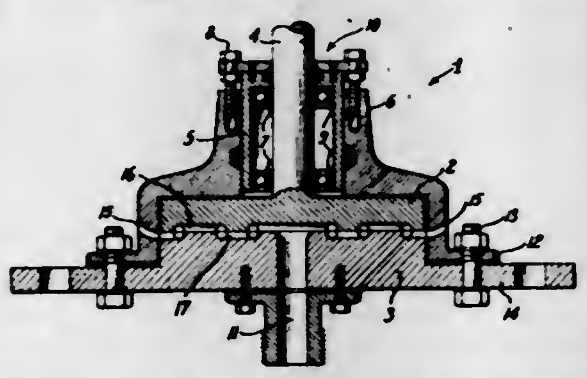
William J. Joyce, Jr., Manheim, Pa., assignor to Raybestos-Manhattan, Inc., Passaic, N. J., a corporation of New Jersey
Application January 27, 1944, Serial No. 519,894
5 Claims. (Cl. 19—65)



1. An asbestos fiberizing apparatus comprising roll means including a plurality of spaced hori-

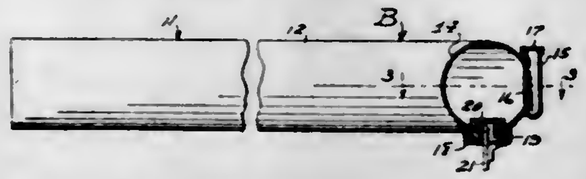
zontally supported rolls, alternate rolls being provided with longitudinally extending rigid ribs, intervening rolls being provided with circumferentially extending rigid ribs, said ribbed rolls being aligned to act successively on the asbestos during its passage through the apparatus in cooperative relationship with juxtaposed resilient cylindrical surfaced roll means, means yieldably urging said horizontal roll means and said resilient roll means toward each other, means for positively driving at least one of said roll means, vibrating means for introducing a substantially uniform flow of asbestos to the apparatus, means for receiving the resultant fiberized material after it has passed between the roll means, and pneumatic means for removing said resultant fiberized material from said receiving means and for fluffing up the fibers and separating them further.

2,417,600
MULTISTAGE RADIAL FLOW TURBINE
William B. Jutte, Los Angeles, Calif.
Application October 6, 1945, Serial No. 620,713
8 Claims. (Cl. 253—79)



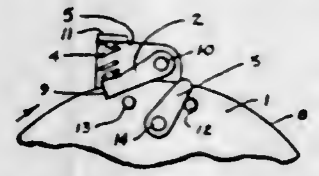
1. A multi-stage radial flow machine comprising a rotor member and a stator member having opposed surfaces in close face to face relation, the said surface of one of said members having two spaced sets of channels each set being out of direct communication with the other set, one set being closed at one end and the other set being closed at the other end, the said surface of the other of said members having a cooperating set of link channels closed at both ends crossing and opening into each of said separated sets at points which progress radially as said rotor member rotates to provide fluid communication from one of said two spaced sets to the other through said link channels at the crossing points of said link channels with said separated sets of channels.

2,417,601
DEVICE FOR KILLING RODENTS BY ELECTRICITY
Wilbur E. Lake, Fostoria, Mich.
Application July 10, 1944, Serial No. 544,223
4 Claims. (Cl. 43—99)



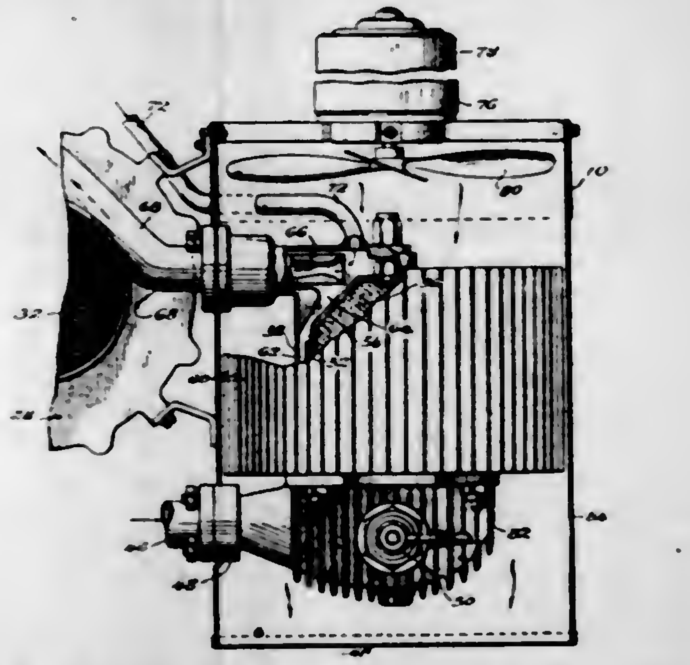
1. A trap of the kind described, comprising an elbow pipe forming right angularly directed runs of a conduit, a bait container within one branch of the pipe for admitting odor within said conduit, an electrically charged contact within the conduit adjacent the container and an electric conductor connected to the pipe.

2,417,602
RATCHET MEANS
Artemas M. Larkin, San Diego, Calif., assignor to The Ryan Aeronautical Co., San Diego, Calif., a corporation of California
Application September 4, 1945, Serial No. 614,116
2 Claims. (Cl. 188—81)



1. In a ratchet means, the combination of a stationary bracket member, a ratchet member pivotally mounted in connection with said bracket member provided with an arcuate edge portion having a notch portion therein, a pawl pivotally connected with said bracket member adapted to engage the notch portion of said ratchet member, a lever pivotally mounted on said ratchet member having its extending end protruding slightly beyond the arcuate edge of said ratchet member and engageable with said pawl for moving the same out of engagement with said notch portion of said ratchet member, a spring in connection with said bracket member and said pawl member tending to force said pawl member into engagement with the notch portion of said ratchet member and stop means at opposite sides of said lever arranged to limit the pivotal movement of the same.

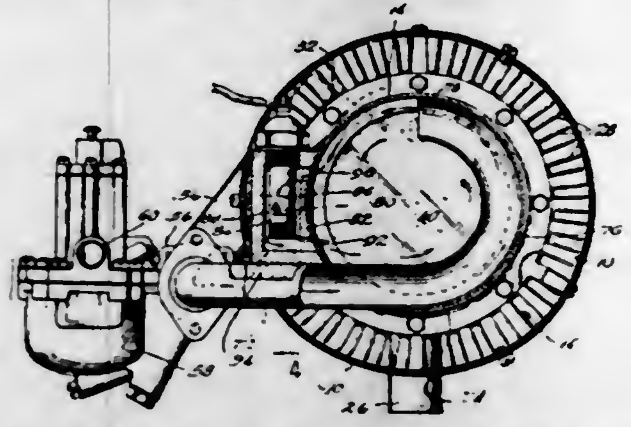
2,417,603
INTERNAL-COMBUSTION HEATER
Henry J. De N. McCollum, Chicago, Ill.: Thelma McCollum, executrix of said Henry J. De N. McCollum, deceased, assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application August 3, 1942, Serial No. 453,348
5 Claims. (Cl. 158—28)



1. In a heater of the class described, the combination of a burner, a carburetor connected to the burner for supplying a combustible mixture thereto, a blower having a casing with a conduit which feeds air therefrom to the carburetor, said burner including means forming a combustion chamber and heat radiating means attached thereto, said blower casing being mounted closely adjacent the combustion chamber, and means forming an exhaust passage formed integrally

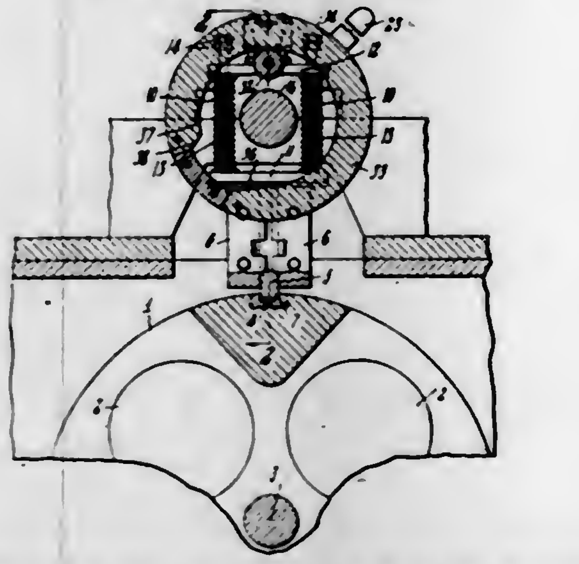
within a wall of the blower casing and connected with said combustion chamber for transferring heat from the exhaust gases to the air supplied by the blower to the carburetor.

2,417,604
HEATER HAVING MEANS FOR DIVERTING AND IGNITING A FUEL-AIR MIXTURE
Henry J. De N. McCollum, Chicago, Ill.; Thelma McCollum, executrix of said Henry J. De N. McCollum, deceased, assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application March 6, 1943, Serial No. 478,258
4 Claims. (Cl. 158—28)



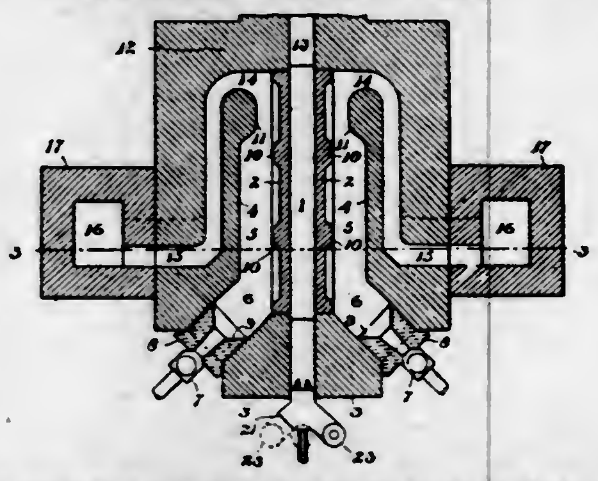
1. In a heater of the class described, means forming a combustion chamber having a cylindrical wall, a housing attached to said wall exteriorly thereof, said housing including a passage which extends in circumferential direction with relation to said cylindrical wall, said wall having an inlet therethrough connecting one end of said passage with said combustion chamber and an outlet therethrough connecting the other end of said passage with said combustion chamber, means for supplying a combustible mixture to said combustion chamber tangentially thereof, causing said mixture to flow around the chamber and toward said inlet, and an igniter located in said passage, said igniter being of smaller cross-section than said passage to permit flow therethrough.

2,417,605
TURRET LOCKING MECHANISM
Carroll E. Miller, Windsor, Vt., assignor to Cone Automatic Machine Company Inc., Windsor, Vt., a corporation of Vermont
Application October 27, 1944, Serial No. 560,691
1 Claim. (Cl. 29—37)



In combination, a turret indexable about an axis and having angularly spaced sockets in its periphery, a locking bolt slidably guided for motion toward and from said periphery in position to be projected into said sockets serially and lock said turret in indexed positions, a pair of laterally spaced coil springs operatively bearing at one end against said bolt and tending to project said bolt, an abutment bearing against the opposite ends of said springs, means supporting said abutment for motion toward and from one end of each of said springs to thereby load and release load from said springs, a rotary shaft extending through the space between said springs, cam means actuated by said shaft for retracting said bolt against the pressure of said springs to release said turret for indexing and for permitting said springs to project said bolt to lock said turret when one of said sockets comes into registry with said bolt, a cam follower, a member carrying said follower and engaging said spring abutment, and an internal cam carried by said shaft cooperating with said follower and shaped to move said follower toward said one spring end to load said springs when said bolt is in projected turret locking position and to release such load when said bolt is about to be retracted.

2,417,606
FURNACE FOR THE PRODUCTION OF CARBON BLACK
Percival H. Mitchell and Scott Malcolm, Toronto, Ontario, Canada
Application June 3, 1943, Serial No. 489,580
8 Claims. (Cl. 23—259.5)



1. A furnace for the production of carbon black from hydrocarbon gas having a narrow elongated dissociation chamber, nozzles arranged centrally of the width adapted to direct a flow of gas into one end of said chamber, nozzles arranged on both sides of said central nozzles adapted to direct a controlled flow of air on both sides of said centralized flow of gas, combustion chambers arranged on both sides of said dissociation chamber, discharge flues leading from said combustion chambers, and nozzles adapted to direct a combustible mixture into said combustion chambers.

2. A furnace as claimed in claim 1 having nozzles arranged parallel with the air nozzles which are arranged on both sides of the central gas nozzle and adapted to direct streams of gas along the inner walls of the dissociation chamber.

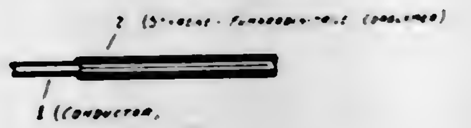
2,417,607
COPOLYMER OF VINYL AROMATIC HYDROCARBONS
David T. Mowry, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application April 26, 1944, Serial No. 532,869
8 Claims. (Cl. 260—86)

1. The process which comprises forming a mixture of a vinyl aromatic hydrocarbon having

a single vinyl group attached to the aromatic nucleus and fumarodinitrile, said mixture containing between 0.15% and 50% by weight of fumarodinitrile, the balance thereof being said vinyl aromatic hydrocarbon, and heating said mixture to form an interpolymer.

2,417,608
ELECTRICAL CONDUCTOR

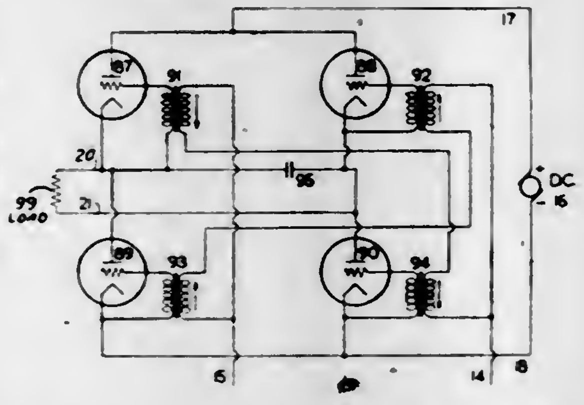
David T. Mowry, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
Application April 26, 1944, Serial No. 532,870
7 Claims. (Cl. 174—121)



1. An electrical conductor embedded in a resinous polymeric material comprising an interpolymer of styrene and fumarodinitrile, said interpolymer consisting of between 0.5% and 30% of copolymerized fumarodinitrile, the balance of said interpolymer being copolymerized styrene.

2,417,609
ELECTRONIC COMMUTATOR

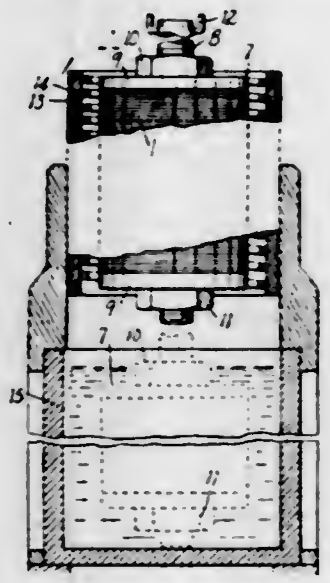
David Saville Muzzey, Jr., Alexandria, Va., and Robert Du Wayne Miller, Washington, D. C., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Original application September 8, 1941, Serial No. 410,010. Divided and this application July 28, 1943, Serial No. 496,688
1 Claim. (Cl. 175—363)



In a system for passing a low frequency continuous reversing substantially square wave form current between two output terminals, a commutator circuit comprising two groups each having an equal even number of arc discharge tubes, parallel inductive means for biasing the grids of one group of said tubes in a positive direction in response to a rise in the intensity of the current flowing through said inductive means, and for biasing the grids of the other group of said tubes in a positive direction in response to a fall in the intensity of the current flowing through said inductive means, a plurality of connector means each between the cathode of a tube of the first group and the anode of a tube of the second group, all of said tubes being thus connected in pairs, condenser means connected between said connector means, output terminals connected in parallel with said condenser means between said connector means, a source of direct current, means connecting the positive terminal of said source to the anodes of one-half of the tubes in each of said groups, means for connecting the negative terminal of said source to the cathodes of the other half of the tubes in each of said groups, means for supplying intermittent unidirectional voltage pulses to said parallel inductive means, whereby said two groups of tubes are alternately ignited by the biasing action of said inductive means and extinguished by the action of said condenser means and a low frequency continuous reversing substantially square form current is produced between said output terminals.

2,417,610
METHOD OF MANUFACTURING PISTON RINGS

Harold P. Phillips, Hastings, Mich., assignor to Hastings Manufacturing Company, Hastings, Mich., a corporation of Michigan
Application May 11, 1944, Serial No. 535,045
2 Claims. (Cl. 148—10)



2. The method of forming piston ring elements comprising the steps of forming a plurality of flat split resilient steel elements, disposing a plurality of the elements in coacting supporting side by side contacting relation, heating only outer edge portions of the elements to a hardening temperature, said outer edge portions being heated to a substantially higher temperature than the inner edge portions, and quenching to harden only said outer edge portions to a hardness substantially exceeding the hardness of the ring elements to a substantial depth, the inner and a substantial portion of the element being in the condition of resiliency and tenacity before hardening the outer edge portion, and while the ring elements are supported in the relation in which they are hardened annealing the hardened edges to a relatively slight depth, said annealing being only a layer sufficient to provide a quick wearing surface outside said hardened wear resisting portion of substantially greater thickness.

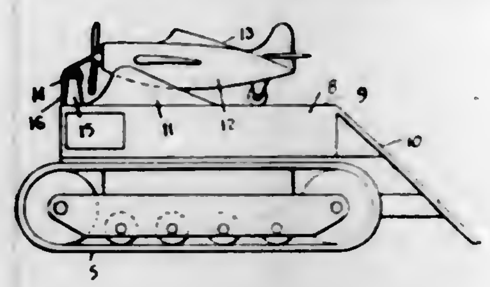
2,417,611
METHOD OF MAKING INSOLUBLE STARCH PRODUCT

Gordon G. Pierson, Lansdale, Pa., assignor to Perkins Glue Company, Lansdale, Pa., a corporation of Delaware
No Drawing. Application June 15, 1943, Serial No. 490,918
6 Claims. (Cl. 260—209)

1. The process of preparing a starch product comprising unburst starch grains which will not burst, gelatinize, or swell appreciably upon exposure to boiling water and aqueous alkaline solutions, which comprises agitating unburst starch grains in the presence of free formaldehyde and acid to cause the formaldehyde and acid to be distributed throughout the starch grains and to be absorbed thereby, the amount of formaldehyde being between about 1% and about 15% on the dry basis of the weight of the starch, and the acid being sufficient to provide a pH in aqueous solution of between about 2.5 and 4, and reacting said starch with said formaldehyde and acid in the presence of not more than about 20% water based on the weight of the starch at a temperature above about 140° F. to remove moisture and to form unburst starch grains of the aforesaid properties in powdered form.

2,417,612
MILITARY TANK FOR SALVAGING AEROPLANES

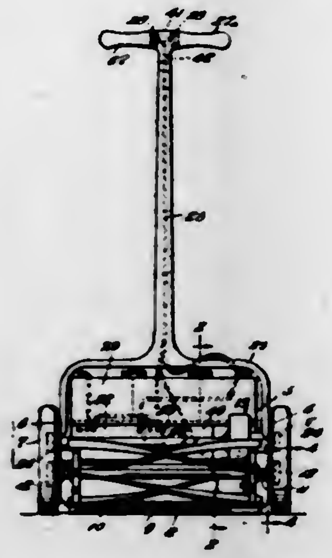
Gaetano Provenzano, New York, N. Y.
Application July 23, 1945, Serial No. 606,586
3 Claims. (Cl. 214—85)



1. A means for loading and transporting an aeroplane comprising in combination with a military tractor having an overhead platform and a ramp leading to the rear end of the platform, a U-shaped saddle mounted on the platform and providing a nest to receive the bottom of the fuselage of the aeroplane, and means for hauling an aeroplane over the ramp and on to the saddle.

2,417,613
ELECTRIC MOTOR CONTROL AND DIFFERENTIAL GEAR DRIVE FOR LAWN MOWERS

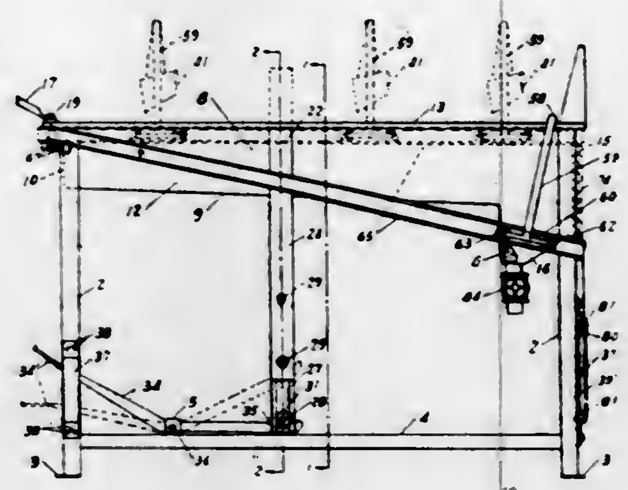
John M. Radabaugh, Mount Vernon, Ohio
Application August 22, 1944, Serial No. 550,591
5 Claims. (Cl. 180—19)



1. In a hand guided lawn mower having a rotary cutting reel, the combination of a frame having a handle, co-axial traction wheels journaled at opposite sides of the frame and having internal ring gears, aligned axles journaled transversely of the frame and having pinions fixed on their outer ends in mesh with said ring gears, a differential gearing between the inner ends of said axles including a spider-carried ring gear, a reversible rotary electric motor vertically mounted on the frame and having an upwardly projecting armature shaft, a driving connection between the armature shaft of said motor and the ring gear of said differential gearing, and a manually operable reversing switch for said motor carried by the hande.

2,417,614
PASTRY GLAZING MACHINE

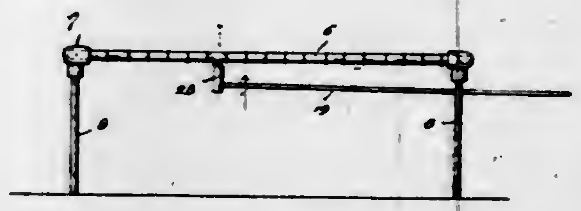
Peary F. Ratcliff, Shreveport, La.
Application October 28, 1944, Serial No. 560,851
20 Claims. (Cl. 91—2)



6. A pastry glazing machine comprising a frame, a rectangular tank provided with a well portion located at one of its ends adapted to hold liquid glaze, said tank being mounted on said frame, a glaze distributing means mounted on said frame, said glaze distributing means including a pair of parallel spaced tracks extending substantially the full length of said tank, pivotably mounted on said frame adjacent to the end of said tank opposite to the end at which said well is located for vertical movement with respect to said tank, a glaze bucket movably mounted in said tracks in a manner to move lengthwise across said tank and a means for raising and lowering said tracks adapted to move said glaze bucket into and out of said well portion.

2,417,615
AERIAL PROJECTILE GAME

Hugo F. Rothe, Trenton, Mich.
Application June 23, 1944, Serial No. 541,745
3 Claims. (Cl. 273—95)

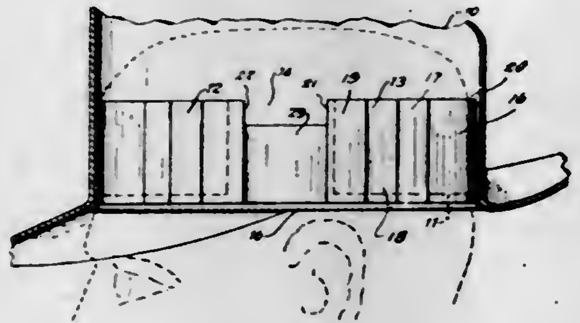


3. The combination with a game board of perforated material and striking means, of a series of trumpet shaped members of different cross sectional contour adapted to enter the perforations of the game board and supported therein by their flared upper ends with the lower ends in depending relation to the game board, certain of said

members being adapted to nest in other of said members, said members being shifted over the surface of the game board by the striking means engaging the lower end of said members.

2,417,616
HAT

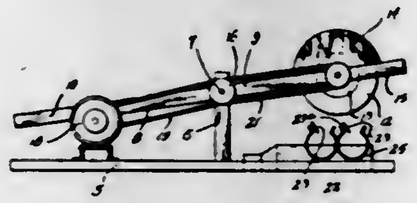
Harry F. Ryniker, Elmira, N. Y.
Application May 26, 1945, Serial No. 595,944
2 Claims. (Cl. 2—181)



1. A hat having a body of ovate shape closed by a crown at its top and formed with an annular brim about the bottom thereof, oppositely disposed pads of stepped laminations sewed in the front and rear of said hat at the base thereof with the longest laminations adjacent the head of the wearer when worn, and the adjacent ends of said pads being longitudinally spaced from each other at the opposite sides of said hat to form channels overlying the temporal arteries and veins.

2,417,617
SLICING MACHINE

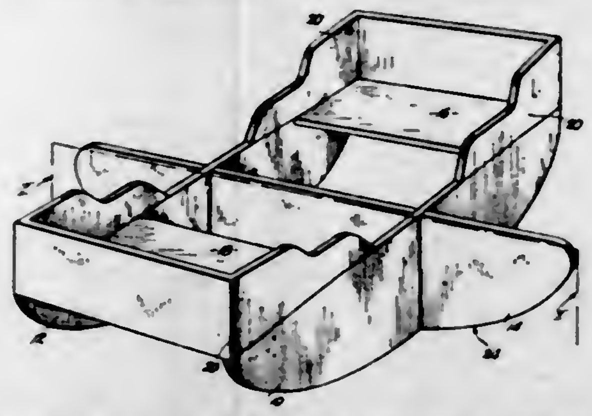
Ernest Schuchardt, Durham, N. C.
Application July 6, 1945, Serial No. 603,424
1 Claim. (Cl. 107—22)



In a slicing machine, a trough shaped holder rigidly mounted in horizontal position and adapted to receive therein elongated material to be shoved along the same for cutting off sections thereof at one end of the holder, said holder having a pair of side edge notches therein adjacent said end of the same aligned transversely of the holder, an arm above said holder extending transversely of the same and pivotally mounted for downward swinging of one end thereof toward said holder, a counterweight on said arm overbalancing the same to swing said end thereof upwardly, and a pair of relatively large and small rotary cutters on said end of the arm, the smaller cutter lying in a common plane with said pair of notches and being swingable downwardly by said arm into said notches to mark off sections of the material to be cut, the larger cutter lying in a plane offset outwardly from said end of said holder and being swingable downwardly by said arm to cut off the material at said end of the holder when the material is shoved along the holder to vertically align the marks on said material with said larger cutter, and power means to rotate said cutters simultaneously.

2,417,618
TOY ROCKER

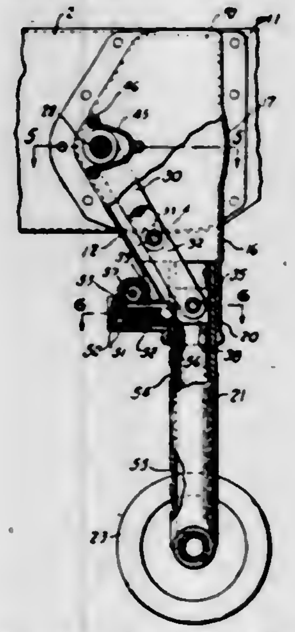
Eben L. Scott, Mission, Kans.
Application October 8, 1945, Serial No. 620,901
4 Claims. (Cl. 272—56)



1. A rocker of the character described, comprising a number of angularly arranged, intersecting rockers; and at least one seat for occupants of the rocker, mounted on the supporting structure.

2,417,619
LANDING GEAR FOR TRAILERS

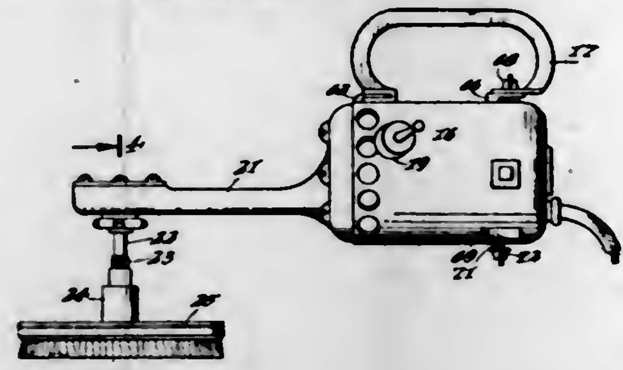
Carl G. Seyferth, Muskegon, Mich., assignor to West Michigan Steel Foundry Company, Muskegon, Mich., a corporation of Michigan
Application December 10, 1943, Serial No. 513,696
3 Claims. (Cl. 280—33.1)



1. A landing gear for a trailer comprising, a body member for attachment to the trailer, a guide on the body member, a supporting leg slidably positioned in the guide, the guide and leg being arranged for substantially vertical reciprocatory movement of the leg, an operating shaft journaled in the body member, a link, means nonrotatably connecting one end of the link to the operating shaft, the operating shaft being positioned on a substantially horizontal axis located above the guide and latterly removed from the guide a distance substantially equal to the length of the link, a second link, means pivotally connecting one end of the second link to the supporting leg, means pivotally connecting together the other ends of the links, means for rocking the shaft, said shaft being rockable within limits for positioning the first named link in a downwardly inclined position toward the line of reciprocation of the leg and in an upwardly inclined position toward the line of reciprocation of the leg, and means for latching the supporting leg in projected load supporting position and in retracted vehicle operating position.

2,417,620
POLISHING APPARATUS FOR FLOORS AND SIMILAR SURFACES

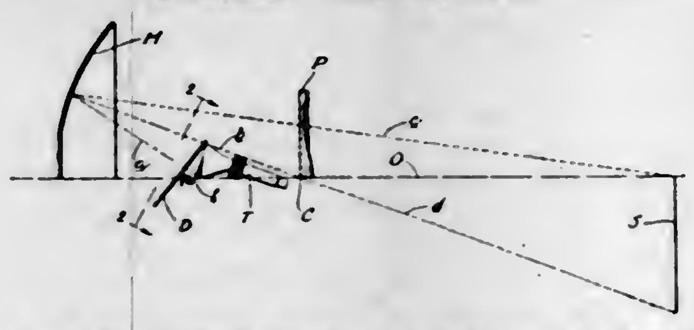
Gustave J. Soderberg, Babylon, N. Y.
Application December 22, 1944, Serial No. 569,293
6 Claims. (Cl. 15—98)



1. A polishing disc comprising, in combination with at least one circular layer of material capable of being sewn, a further layer composed of relatively stiff and sturdy textile material, said further layer having the shape of a circle comprising a substantially radial tongue extending therebeyond, said tongue having a substantially rectangular longitudinal slit formed therein, said tongue further being folded midway of said slit to form a substantially U shaped and central tab integral with the material of said circle and extending perpendicularly therefrom, all of said layers being sewn together in superposed relation.

2,417,621
COLOR IMAGE PROJECTION SYSTEM

Ernest H. Traub, Philadelphia, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application October 5, 1945, Serial No. 620,547
8 Claims. (Cl. 178—5.4)

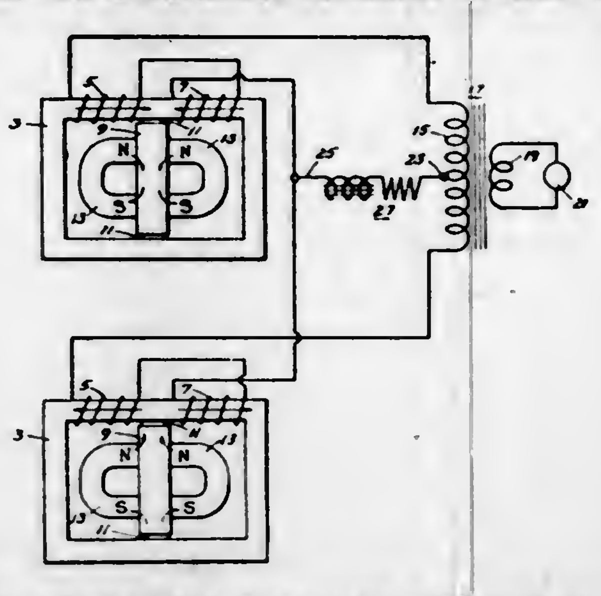


1. In an image projection system, an image-producing device, a concave mirror disposed in offset relation to the image in a position to receive light from said device, an image-reproducing screen arranged to receive light reflected by said mirror, and a color filter member disposed in the field of light projection between said device and said mirror but substantially outside the field of light reflection between said mirror and said screen.

2,417,622
CONVERTER SYSTEM

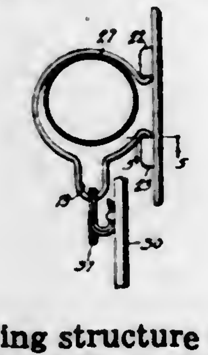
Philip John Walsh, San Francisco, Calif.
Application October 25, 1943, Serial No. 507,635
4 Claims. (Cl. 175—363)

1. A converter system comprising a core of magnetic material forming a substantially closed loop, a pair of windings on said core adapted to be energized in opposite polarity from a source of alternating current, a leg of magnetic material extending across said loop between said windings to form a pair of magnetic paths, each linking with one of said windings, and means for localizing to the substantial exclusion of said core, a unidirectional flux in said leg sufficient to substantially saturate the same in the absence of other factors.



2,417,623
CURTAIN RING

Edward Yellin, Chicago, Ill.
Application December 11, 1944, Serial No. 567,722
2 Claims. (Cl. 16—87.2)



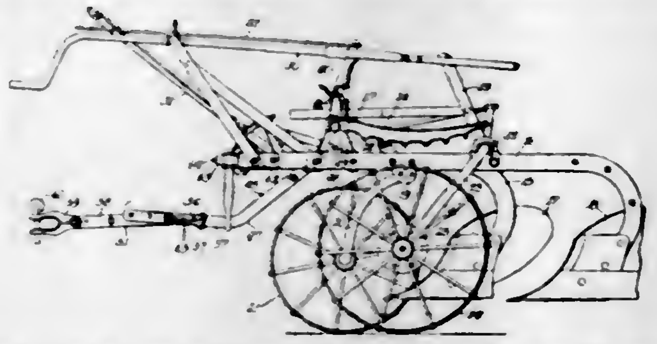
1. A curtain ring structure comprising a spring metal C ring having the metal tips doubled back, a flat plate having front and rear faces, said plate having spaced members on the rear face thereof, each member having a blind recess so disposed as to provide a pair of aligned blind recesses facing each other, said recesses being spaced apart less than the open extent of the ends of said C ring so that said C ring may be sprung to bring said locking tips closer to each other and dispose said ring and plate in cooperating position so that when said ring is released the locking tips enter said blind recesses to lock said ring and plate together, said ring tending to remain tightly locked in position with any force tending to open said ring.

2,417,624
TRACTOR HITCH

Herman E. Altgelt, South Bend, Ind., assignor to The Oliver Corporation, a corporation of Delaware
Original application January 4, 1941, Serial No. 373,074. Divided and this application December 13, 1943, Serial No. 514,134
4 Claims. (Cl. 280—33.44)

1. A draft hitch for a tractor trailing implement comprising a main draft member secured to the forward end of said implement, a supplemental draft member pivoted to said main draft member, a pivot member forming the connection between said draft members, a stop bracket secured to said main draft member by said pivot member, and means whereby said stop bracket and said main draft member may be adjusted

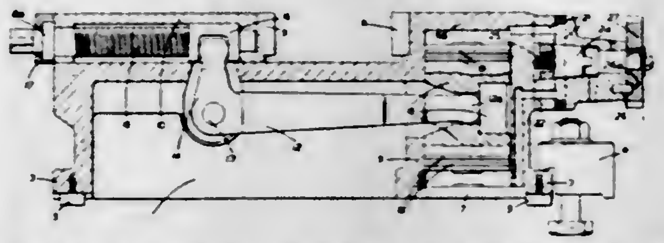
with respect to said supplemental draft member for varying the length thereof without varying



the angular movement between said draft members.

2,417,625
FLUID PRESSURE OPERATED VISE

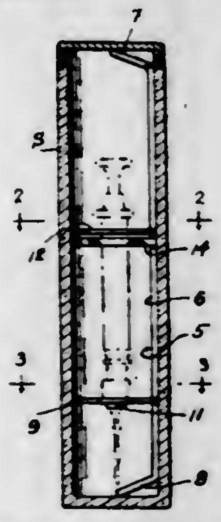
George Francis Bates, Worcester, England, assignor of one-half to The Mining Engineering Company Limited, Worcester, England
Application September 6, 1944, Serial No. 552,926
In Great Britain October 6, 1943
3 Claims. (Cl. 81—17)



1. A fluid pressure operated vise having a movable jaw, a cylinder with one end permanently closed, a glandless cylinder head completely closing the other end of said cylinder, a double ended piston in said cylinder, valve means arranged to supply pressure fluid to either end of said cylinder at will and to simultaneously open the other end to exhaust, and power transmission mechanism passing through the cylindrical wall of said cylinder and engaged by an intermediate portion of said piston, and arranged to close said jaw when pressure fluid is admitted to the permanently closed end of said cylinder and to open the jaw when pressure fluid is admitted to the other end of said cylinder, the power transmission mechanism including a sliding member and means to adjust said movable jaw relatively to said member.

2,417,626
STERILIZER FOR SURGICAL INSTRUMENTS

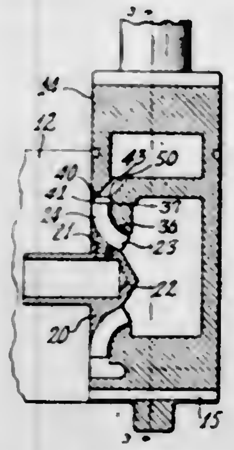
Emmett S. Blocher, Muncie, Ind.
Application July 31, 1945, Serial No. 608,026
2 Claims. (Cl. 21—87)



1. The combination with a cylindrical sterilizing vessel, a standard removably disposed within the vessel and resting vertically against one side thereof, a lower spacer secured to the standard and having an aperture therein approximately aligned with the axis of the vessel, an upper ring shape spacer secured to the standard and having that side thereof opposite the standard open, a resilient fork shape clip secured to the standard and having its open end disposed approximately beneath the opening in the upper spacer, a downwardly extending foot formed on the standard and directed diagonally toward the center of the vessel, and a loop shape handle formed on the upper end of the standard and directed diagonally upward toward the center of the vessel.

2,417,627
PUMP

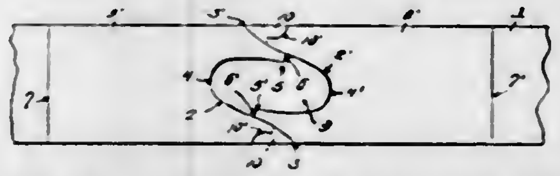
Francis E. Brady, Jr., Muncie, Ind.
Application September 18, 1943, Serial No. 502,941
12 Claims. (Cl. 103—113)



1. In a self-priming rotary pump, the combination of a casing forming a pump chamber, a suction chamber and a discharge chamber, a rotary impeller having a series of outwardly extending impeller blades having close running relation with the walls of said pump chamber, said casing being formed to provide a discharge passage in direct communication with said discharge chamber, an auxiliary discharge passage in communication with said discharge chamber, and means on the discharge side of said pump chamber communicating with said discharge passage in advance thereof for supplying liquid laterally into the path of the impeller blades to be discharged thereby outwardly through said auxiliary discharge passage with the entrainment and discharge of the air in said pump casing.

2,417,628
METHOD OF MAKING ATHLETIC OR UNDERSHIRTS

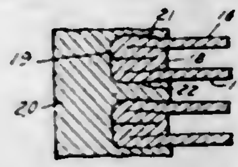
Fredrick J. Brisker, Chattanooga, Tenn.
Application December 27, 1944, Serial No. 569,988
1 Claim. (Cl. 2—113)



The method of making a sleeveless garment from an elongated strip of tubular material which consists in cutting into said strip along two oppositely opposed smooth curves from the opposite sides of the strip, the bottom of each curve being substantially along the longitudinal center line of the strip and terminating at a point spaced from the opposite side of the strip, said cutting forming the edges of the front neck opening of the one blank and the arm hole opening of the other blank and simultaneously forming the upper portions of said edges, cutting from the ends of each of said cuts along a substantially transverse line to the opposite cuts, cutting inwardly from the opposite edges of said strip to form the rear neck opening and the tops of the rear shoulder straps, and attaching the tops of the shoulder straps of each of said blanks together to thereby form garments having neck and arm hole openings interconnected by shoulder straps.

2,417,629
COOLING FIN STRUCTURE

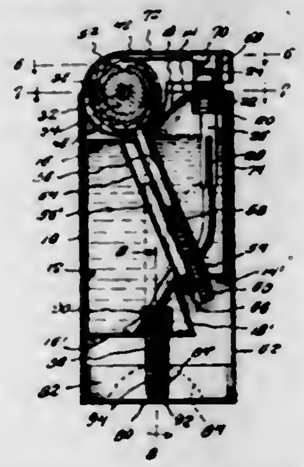
Wilhelm B. Bronander, Montclair, N. J.
Application August 20, 1942, Serial No. 455,452
4 Claims. (Cl. 257—261)



1. A double walled cooling fin adapted to be secured in a groove and having two substantially parallel, spaced walls connected along one edge by compressible material integral with the walls and folded to form layers substantially parallel to the fin walls and substantially filling the space between the portions of said walls to be positioned in the groove whereby inward pressure directed against said material will force the walls into gripping engagement with the walls of the groove.

2,417,630
LIGHTER CONSTRUCTION

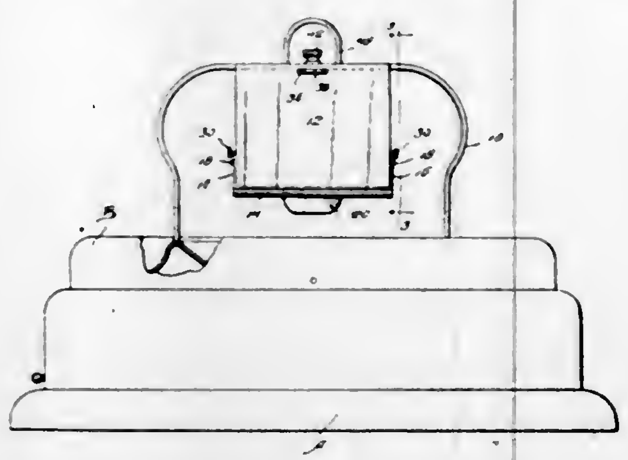
Adolph Campos, Clifton, N. J.
Application November 17, 1944, Serial No. 563,882
4 Claims. (Cl. 67—7.1)

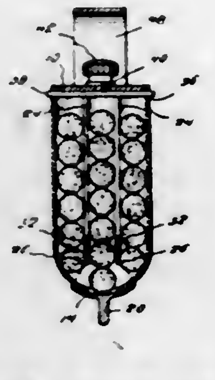


1. A lighter construction comprising a casing open at its upper and lower ends, a fuel tank positioned within the casing inwardly from the lower end thereof and having an angled top wall, said angled top wall having an upper horizontal portion lying flush in the plane of the upper end of the casing and a lower horizontal portion spaced inwardly from the upper end thereof, the upper horizontal portion of the top wall being at the front side of the tank and having a filling opening, a wick holder removably seated in the filling opening, a file-wheel mounted for turning movements between the side walls of said casing and immediately above the lower horizontal portion of said top wall, a cover mounted for pivotal movements coaxially with respect to said file-wheel, a snuffer cup mounted within said cover, actuator means extending through said casing and between the same and said tank and operatively connected with said cover to move the snuffer cup from and to its flame snuffing position, a flint supported in contact with said file-wheel and means for transmitting the motion of the cover to the file-wheel during its movement to expose the wick for igniting by the sparks emitted from said flint.

2,417,631
CIGARETTE DISPENSER

Adolph Campos, Clifton, N. J.
Application December 22, 1944, Serial No. 569,391
2 Claims. (Cl. 312—48)





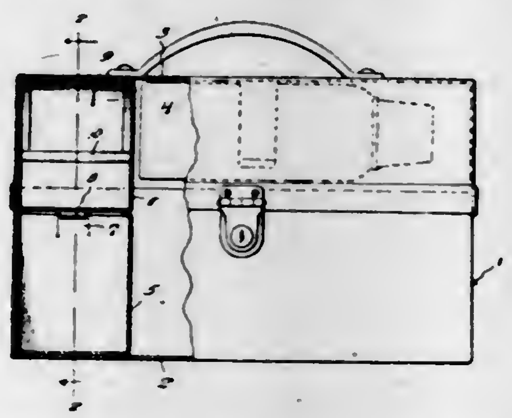
1. In a dispensing device for cigarettes, the combination of an ash tray, including an upwardly bowed bracket supported crosswise and centrally thereof, and a hollow casing open at its top and having a restricted discharge opening in its bottom, means for detachably securing said casing to the underside of said bracket, a medial portion of said bracket overlying said casing and closing its top opening, a member carried by the lower end of said casing and movable relative to said restricted discharge opening for dispensing the cigarettes therefrom, said casing having at least three vertical guide channels formed in the inner sides of its end walls and terminating in a plane above said discharge opening, said channels being engaged by the ends of cigarettes inserted inwardly of the top opening of the casing upon the removal of the latter from said bracket, the intermediate of said channels being directly in line with said discharge opening, and means at the lower ends of the other of said channels to retain cigarettes therein pending the discharge of the cigarettes from said intermediate channel.

2,417,632
LUNCH BOX

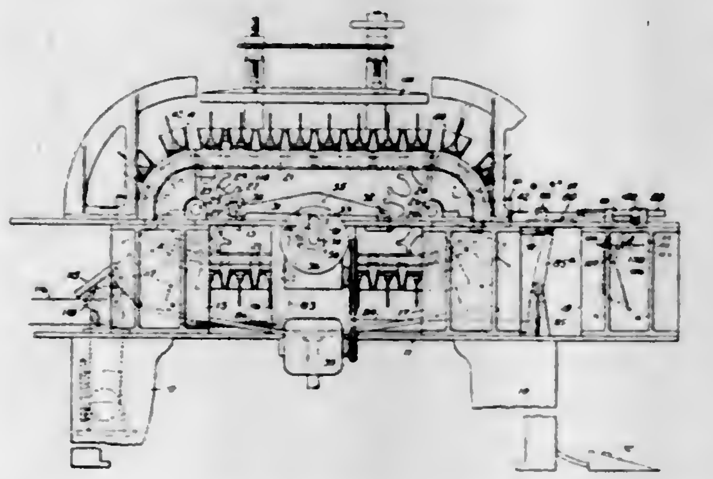
Belle C. Clark and Elmer O. Clark, Berea, Ohio
Application June 12, 1945, Serial No. 598,970
3 Claims. (Cl. 206—4)

3. A lunch box comprising a generally rectangular main receptacle and a rounded cover therefor, a first accessory smaller receptacle provided at one end of said main receptacle, said first accessory receptacle having an open top end, a

second accessory receptacle adapted to be positioned over said first accessory receptacle in closure relationship to said open top end, spring clip means for resiliently securing said second receptacle to said first receptacle in said closure relationship, the upper portion of said second receptacle being curved to conform with the internal contour of said rounded cover and having an opening therein, the upper side wall portions of said second receptacle being formed with outwardly facing channel elements, and a closure member for said opening, said closure member comprising a curved strip of spring metal having inwardly flanged lower edge portions adapted to be resiliently received within said channel elements.

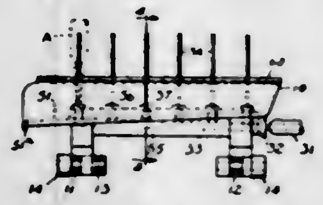


2,417,633
CONVEYER FRAME STRUCTURE
Frank J. Cozzoli, Plainfield, N. J.
Original application February 2, 1943, Serial No. 475,625. Divided and this application December 20, 1943, Serial No. 514,930
2 Claims. (Cl. 198—204)



1. A supporting structure for a conveyor comprising a pair of leg standards, each of said standards comprising two spaced legs connected at their upper ends, a pair of supporting rails of a selected length secured in parallel spaced relation to the upper portions of said standards and transversely thereto as to form in plan view a generally rectangular structure; a plurality of bearing plate members rising from said supporting rails and connected thereto opposite one another in selected adjusted positions, a second pair of supporting rails secured in parallel spaced relation to the tops of said bearing plate members, said opposite bearing plates, pairs of rails and upper portions of the leg standards forming a machine structure of changeable size and generally U-shaped in transverse vertical section adapted to support machine elements thereon and on and between the upstanding walls formed by said bearing plates.

2,417,634
DRIPLESS TRAY FOR AMPULE WASHING MACHINES
Frank J. Cozzoli, Plainfield, N. J.
Application December 30, 1944, Serial No. 570,587
6 Claims. (Cl. 134—124)



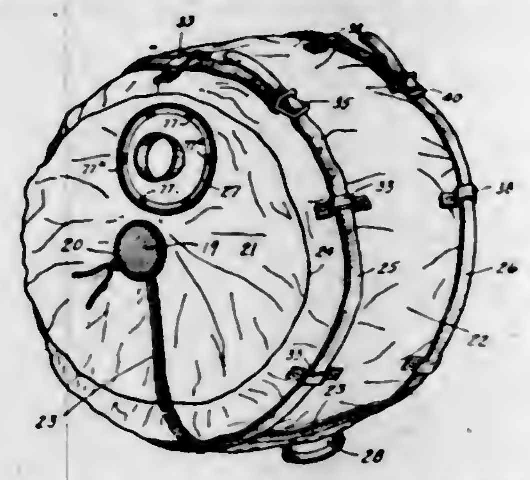
1. Washing apparatus comprising a series of tray members secured side-by-side to a conveyor structure and movable in a closed path through upstanding coplanar operative positions and inverted positions cyclically, each of said members having a bottom wall, two side walls and one end wall united together and forming an open-ended elongated trough for supporting articles to be washed and for confining liquids incident to a washing operation, and one of the side walls of each of said members having a laterally extending flange portion along its upper longitudinal edge adapted to extend over the top portion of the side wall of another adjacent member as such adjacent member reaches its operative position thereby effectively to seal the space between the members against leakage of washing liquid therethrough and means underlying the open ends of the tray members when the tray members are in their respective upstanding operative positions for collecting liquids flowing from the open ends of the tray members during a washing operation.

2,417,635
REFINING OF CRUDE ACRYLONITRILE
Harold S. Davis, Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application August 23, 1943, Serial No. 499,691
6 Claims. (Cl. 260—464)

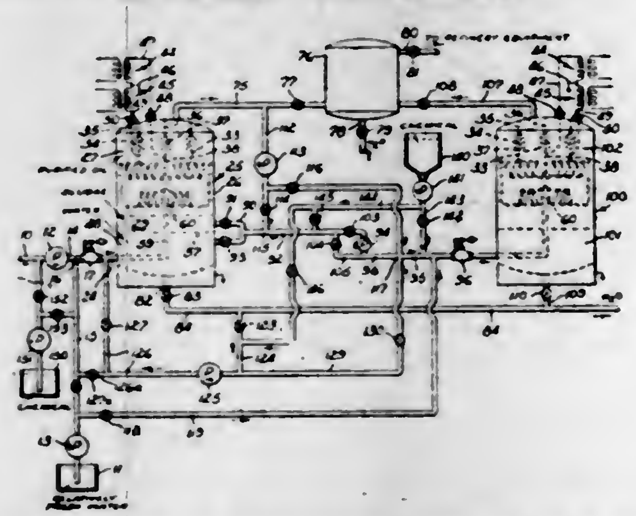
1. The method of removing acetylene polymer impurities from a crude acrylonitrile containing an acetylene polymer, and impurities tending to promote water solubility of an acetylene polymer which comprises removing through fractional distillation the water solubility promoting impurities and then treating the thus purified acrylonitrile with water, separating and recovering the acrylonitrile therefrom.

2,417,636
ENGINE HEATING COVER SYSTEM
John N. Ditzler, Silver Spring, Md., Carol Oberdorfer, Birmingham, Ala., and Henry D. Oberdorfer, New Castle, Ind., assignors to New Castle Products, New Castle, Ind., a partnership composed of Henry D. Oberdorfer and Julia S. Oberdorfer
Application February 8, 1943, Serial No. 475,233
10 Claims. (Cl. 126—99)

1. An engine cover including a heat insulating body portion of blanket type including a longitudinal parting, means securing the cover together at the parting to form a tubular blanket closed at its forward end, a peripheral sealing strip interiorly of and near the forward and closed end of the cover, a similar strip near the rearward end thereof, exterior strap means in juxtaposition to each of said strips for securing the cover in position upon an engine cowling and causing the strips to engage same, the cover having an opening forwardly of the forward strip and another opening intermediate the strips, the cover having a central opening at its forward closed end, and means adapted to close said central opening about a propeller or like shaft, the forward sealing strip requiring air to traverse through the interior of the cowling when circulated between the forward and intermediate openings.

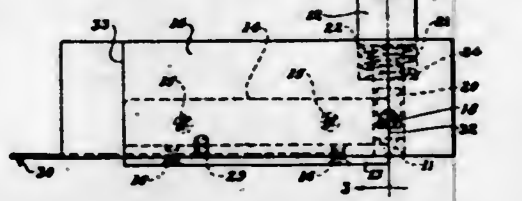


2,417,637
PROCESS FOR REMOVING IMPURITIES FROM OILS
Harold C. Eddy, Los Angeles, Calif., assignor to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
Application December 1, 1939, Serial No. 307,188
13 Claims. (Cl. 204—190)



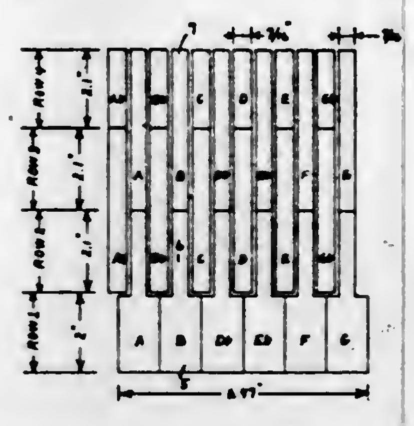
1. A process for purifying mineral oils of low water content to remove water-soluble or water-wettable impurities capable of being taken up by a relatively fresh water, which process includes the steps of: mixing said oil and relatively fresh water to form an emulsion while using a mixing action more intense than that which will permit complete resolution of the emulsion into oil and water in the succeeding resolution step; partially resolving said emulsion to form an oil containing a small amount of dispersed water and a sludge relatively rich in water as compared to the water content of said emulsion and comprising a concentrated emulsion of water in oil; mixing proportioned amounts of said sludge and said relatively fresh water to form a new emulsion; establishing an electric field of sufficient intensity to coalesce the water droplets of said new emulsion; subjecting said new emulsion to the action of said field while there is present in said field sufficient oil to permit maintenance of high voltage gradients therein, said field acting to coalesce the dispersed water of said new emulsion; and separating the coalesced water.

2,417,638
PUNCH DEVICE
Joseph Egowin, Rockland, Mass.
Application April 7, 1945, Serial No. 587,129
13 Claims. (Cl. 164—119)



1. A punch device comprising a body, an opening therein, a punch extending into and operable in said opening, said body having an end portion that commencing at a point laterally opposite said opening tapers towards an end extremity thereof and forms a ridge at said extremity in line with the longitudinal axis of said body.

2,417,639
KEYBOARD FOR MUSICAL INSTRUMENTS
Floyd A. Firestone, Ann Arbor, Mich.
Application June 11, 1945, Serial No. 598,751
6 Claims. (Cl. 84—428)

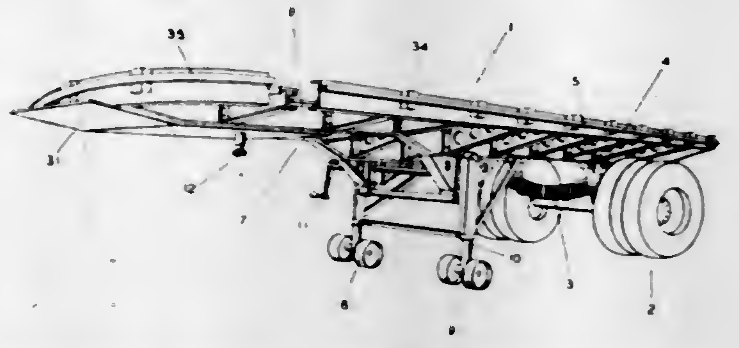


1. A keyboard for a musical instrument having 12 notes per octave, comprising: two sets of keys whose playing surfaces are arranged in 4 rows and 4 levels, the keys of the first set sounding the tones of a whole tone scale, the keys of the second set being laterally placed between the keys of the first set, each key of the second set sounding a tone one semitone from each of the tones sounded by the adjacent keys of the first set; a key of the first set being of full width in level 1 row 1, being narrow in level 1 row 2, having a narrow portion in level 3 row 3, and being narrow in level 3 row 4; and a key of the second set having a narrow portion in level 2 row 2, being narrow in level 2 row 3, and having a narrow portion in level 4 row 4.

2,417,640
TRUCK TRAILER CHASSIS
Cecil B. Fischbach, Akron, Ohio
Application April 17, 1945, Serial No. 588,774
5 Claims. (Cl. 280—106.5)

1. Truck trailer chassis comprising a frame, road wheels at the rear supporting said chassis through the intermediary of longitudinal leaf springs having bearing supports at their ends against said frame, means for supporting said chassis at an intermediate point while being loaded, defining with said bearing supports a rearward portion of said frame supported at both ends and a forward cantilever portion, said frame comprising a pair of longitudinal beams and a series of parallel spaced cross beams secured

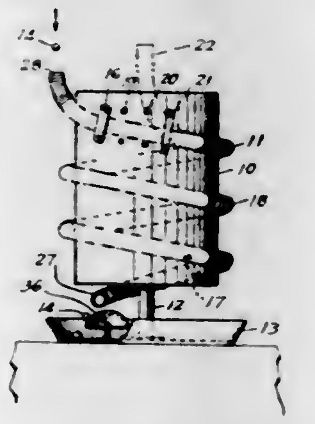
thereto, said longitudinal beams intersecting the cross beams at intermediate points in the length of said cross beams whereby the latter are divided into middle portions spanning the distance between the cross beams, and cantilever end portions, said longitudinal beams being of shallower depth in said forward cantilever portion than in said rearward portion, the cross beams in each of said portions being substantially the full depth of the longitudinals at their respective points of attachment thereto, the cross beams in said rearward portion forward of said bearing supports being formed of a single channel member, the cross beams in said forward cantilever portion being each formed of two channel members arranged web to web, there being cross beams above said bearing supports spaced relatively wide apart to give wheel clearance, the cantilever end portions of said last named cross beams being formed of two channel members arranged web to web.



2,417,641

TIMER

Charles Fischer, New York, N. Y.
Application January 24, 1945, Serial No. 574,429
17 Claims. (Cl. 161—23)



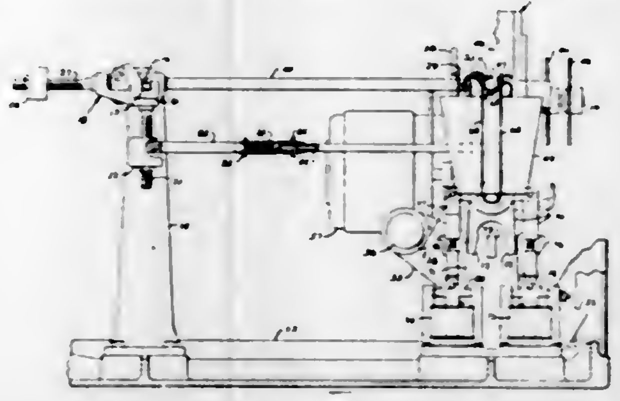
1. In a timing device, a ball chute of coiled round wire arranged with one end higher than the other, a ball adapted to drop through the chute and signal producing means operated by the ball and adjacent the lower end of the chute.

2,417,642

DEVICE FOR CLASSIFYING OBJECTS ACCORDING TO WEIGHT

Fred W. Gilchrist, Donald B. Kendall, and Robert O. Bradley, Toledo, Ohio, assignors to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application September 28, 1943, Serial No. 504,140
6 Claims. (Cl. 209—121)

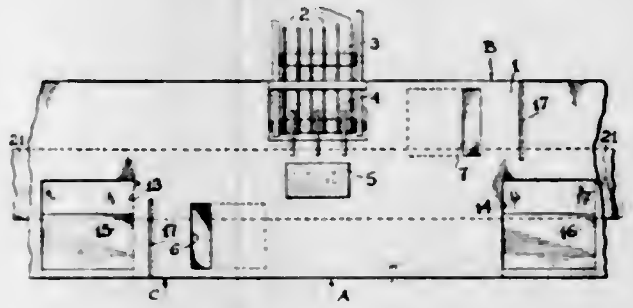
1. In a device for classifying objects according to weight, in combination, a pendulous lever, a load receiver supported by said lever, a stop for limiting movement of said lever at one end of its travel, a cam on said lever, a latch engaging said cam to push said lever against said stop, means for automatically removing a weighed object from and placing an object to be weighed on said load receiver while in latched position, means for unlatching said lever, means for determining the amplitude of swing of said lever, means for releasing said latch as said lever approaches said stop to permit said latch to engage said cam to position said lever, and means for directing the weighed object into the proper receptacle according to its weight as determined by the swing of said lever.



2,417,643

MEANS FOR FACILITATING THE WRAPPING AND TYING OF BUNDLES OF NEWSPAPERS

Charles Oscar Gneuhs, Lakewood, Ohio
Application January 30, 1946, Serial No. 644,307
7 Claims. (Cl. 93—2)



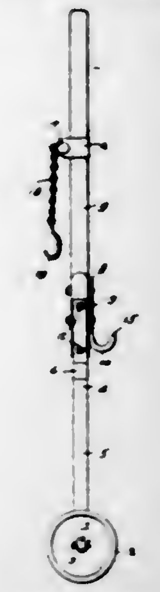
1. A table for use in wrapping and tying newspapers into bundles, the table having therein a pair of oppositely disposed slots, the portions of the table top adjacent said slots being deflected downwardly at an angle and thence horizontally and secured to the bottom of the table top, thus providing a chamber to receive a wrapper therein, said table also having a pair of oppositely disposed grooves therein adjacent said slots respectively and adapted to receive a tying cord therein, said table being also provided with a pair of openings through which the tied bundles are ejected.

2,417,644

HAND TRUCK

Frank B. Graham, Lansing, Mich.
Application November 19, 1945, Serial No. 629,419
3 Claims. (Cl. 214—65.4)

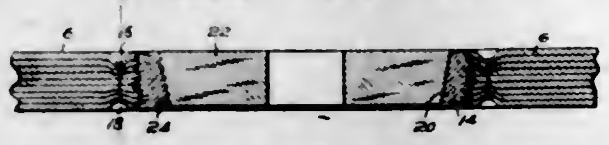
1. A reversible hand truck including an elongated handle, diverging members fixedly secured thereto and supported in the same plane therewith, said members including side arms, a wheel supported axle extending through the side arms, and having its ends projecting beyond the side arms, the wheels being mounted on the projecting ends, a combined balancing and spacing sleeve having contracted ends engaging the axle, said sleeve being interposed between the arms, and having its ends abutting thereagainst, a flexible element adjustably connected to the handle and a load engaging hook carried by the said element.



2,417,645

ROTARY ABRADING TOOL

Elisha W. Hall, Scituate, Mass.
Application August 24, 1944, Serial No. 550,916
6 Claims. (Cl. 51—193)

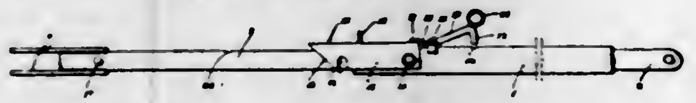


1. In a rotary abrading tool, the combination of an annular body of textile abrading material, and a body of adhesive plastic encircled by and penetrating into said annular body, said abrading material being highly compressed in an annular zone about and radially outward beyond said body of plastic material and limiting such penetration.

2,417,646

DRAWBAR UNIT

Dwight E. Hallner, Merced County, Calif.
Application November 21, 1945, Serial No. 630,007
7 Claims. (Cl. 280—33.14)



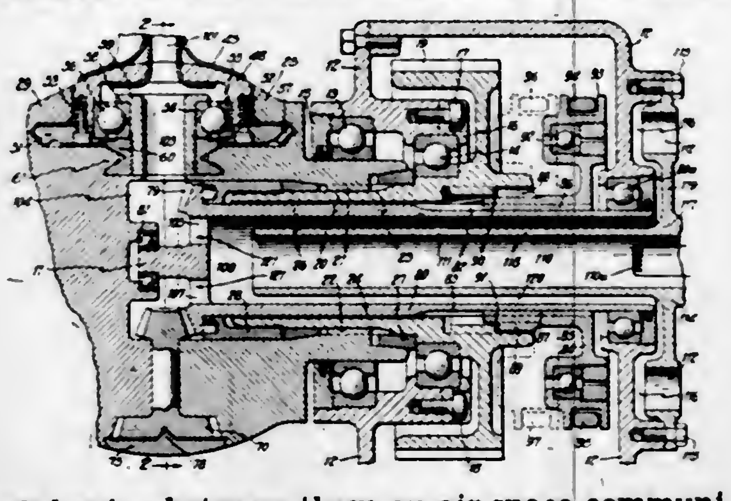
1. A drawbar unit comprising a pair of telescopic bar sections having hitch elements on the free ends thereof, a saddle-shaped latch straddling one bar section from above adjacent and projecting beyond the inner end thereof, means transversely pivoting said latch to said one bar section for upward vertical swinging from a normally lowered position, lugs projecting laterally in opposite directions from the other bar section adjacent its free end, the latch being downwardly notched at opposite sides and the lugs normally engaging in the notches when the bar sections are in predetermined telescopic relation.

2,417,647

NONICING PROPELLER

Robert H. Hasler, Old Westbury, N. Y.
Application November 4, 1943, Serial No. 508,886
2 Claims. (Cl. 244—134)

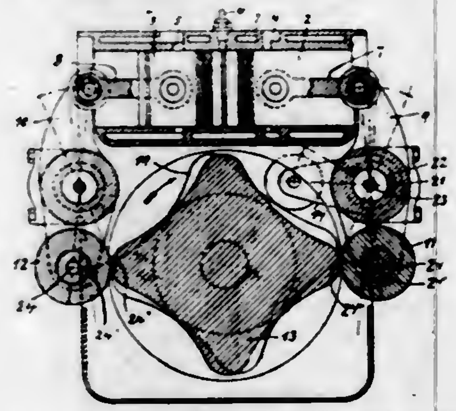
1. A non-icing propeller device comprising in combination a casing, a tubular drive shaft mounted therein, a tubular heat distributor concentrically disposed within the drive shaft with an intervening air space between them, and a plate mounted on a wall of said casing and supporting said heat distributor, said plate and said wall having between them an air space communicating with the outside atmosphere and with the air space intervening between the heat distributor and the drive shaft.



2,417,648

INTERNAL-COMBUSTION ENGINE

Carl Steffen Johansen and Mogens Roesdahl Groth Teisen, Copenhagen, Denmark
Application August 22, 1945, Serial No. 611,941
In Denmark December 10, 1943
8 Claims. (Cl. 123—51)



7. An internal combustion engine comprising a cylinder, two counter running pistons adapted to reciprocate in said cylinder, a main rocking lever rotatably mounted in the engine frame and hingedly connected with each piston by means of a connection rod and carrying a main guiding roller in operative contact engagement with a main curve track common to both pistons, two auxiliary curve tracks relatively rotating together with the main curve track, an auxiliary rocking lever mounted so as to be rotatable about the axis of rotation of each main rocking lever, spring means for creating a torsional stress between each main rocking lever and the corresponding auxiliary rocking lever, an auxiliary guiding roller mounted in each auxiliary rocking lever, each auxiliary guiding roller contacting with one of the two auxiliary curve tracks.

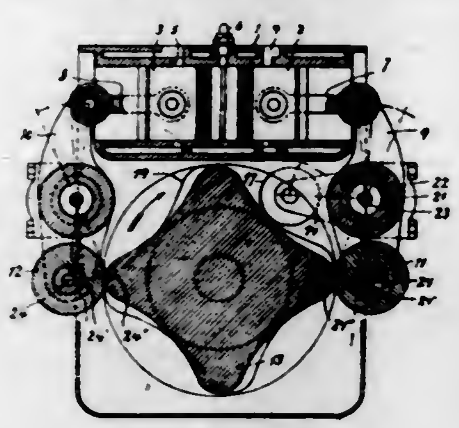
2,417,649

TWO-STROKE INTERNAL-COMBUSTION ENGINE

Carl Steffen Johansen and Mogens Roesdahl Groth Teisen, Copenhagen, Denmark
Application August 22, 1945, Serial No. 611,942
In Denmark December 10, 1943
7 Claims. (Cl. 123—51)

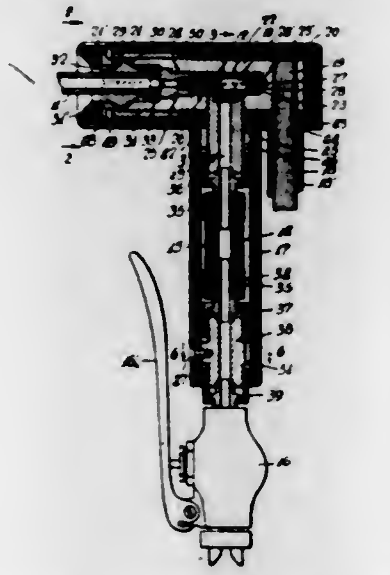
4. A two stroke internal combustion engine comprising two pistons working in a common

combustion chamber, one of said pistons controlling the intake and the other piston controlling the exhaust of said combustion chamber, two rocking levers rotatably mounted in the engine frame at an intermediate point of their length one end of each rocking lever being hingedly connected to one of the pistons by means of a connection rod, the other end of each rocking lever carrying a guiding roller, such guiding rollers contacting with the outer surface of one and the same cam track from opposite sides.



2,417,650
CUTTING TORCH

Charles Kandel, Jackson Heights, N. Y.
Application February 2, 1945, Serial No. 575,807
28 Claims. (Cl. 219—15)

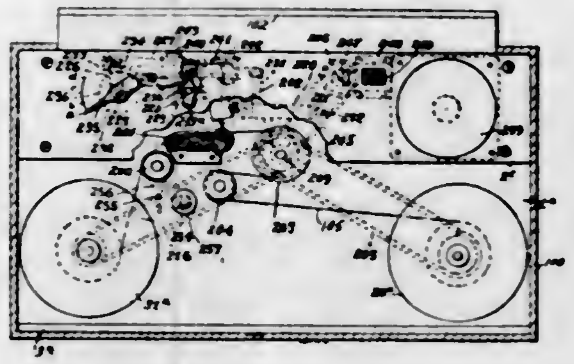


1. An electric cutting torch, comprising an electrode mounting metal head, an electric cable connected thereto, a gas conduit also affixed thereto and having an insulating section of flexible tubing, a rigid insulating handle encompassing, supporting and spaced laterally of said insulating section of said conduit and affixed to said head, and a gas-control valve beyond said handle and insulated from said metal head by said insulating section of the conduit.

2,417,651
SOUND RECORDING AND REPRODUCING MACHINE

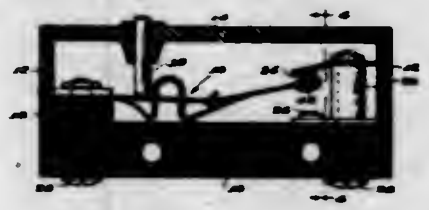
Jacob Miles Kuhlik, Brooklyn, N. Y., assignor to Hattie B. Kuhlik, Brooklyn, N. Y.
Original application June 14, 1940, Serial No. 340,447. Divided and this application July 4, 1942, Serial No. 449,710
7 Claims. (Cl. 274—11)

1. In a recording and reproducing machine, a recording and reproducing head, a stylus operatively connected thereto and supported thereby, a traveling film adapted to be engaged by said stylus for cutting a groove thereon, a support for said head and stylus including a carriage movably mounted to position said stylus at a plurality of different transverse positions relative to the path of movement of said film, said carriage having a central opening, an externally screw threaded shaft extending freely through said opening and an arm member hingedly mounted on said carriage and having an arcuate-shaped internal screw threaded bearing portion adapted to be moved into engagement with the threads on said shaft for step by step movement of the carriage and adapted to be moved away from said shaft to permit the carriage to move freely on the shaft.



2,417,652
SNAP-ACTION DEVICE

William S. Kunzler, Greensburg, Pa., assignor to Robertshaw Thermostat Company, Youngwood, Pa., a corporation of Pennsylvania
Application October 4, 1943, Serial No. 504,860
10 Claims (Cl. 74—100)

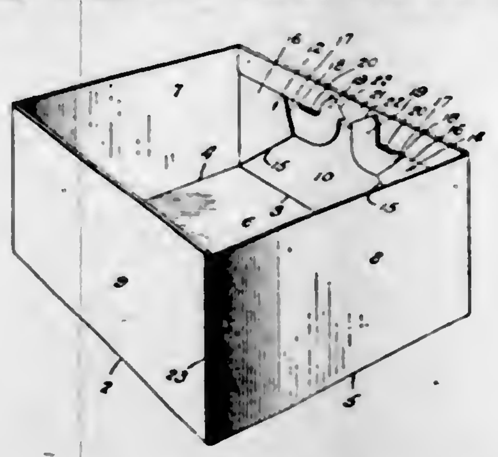


1. A snap-action device comprising a thin leaf spring portion adapted to be supported at one end, a second leaf spring portion having one end pivoted on the first said spring portion and the other end free to move, and spring means connecting said free and supported ends of said leaf spring portions together and exerting sufficient force thereon to cause said free end to move with snap action when pressure is applied to the first said leaf spring portion beyond said supported end.

2,417,653
PAPER BOX

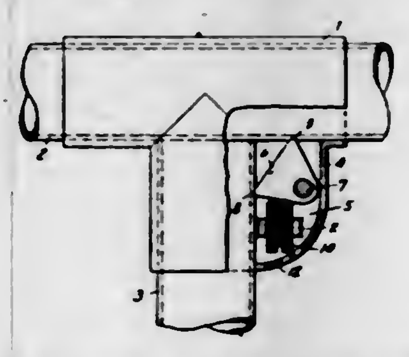
Byron Hassberg Lengsfield, New Orleans, La., assignor to Lengsfield Brothers, Incorporated, New Orleans, La., a corporation of Louisiana
Application August 24, 1943, Serial No. 499,840
1 Claim. (Cl. 229—35)

A paper box comprising, a bottom and upstanding side and end panels, infolded corner pleats substantially the height of said end panels to lie against said end panels comprising two wing sections joined by a diagonal line of fold, one of said wing sections being notched to the fold line said fold line terminating substantially below the top of said end panel, a locking tab extending from the other said wing section at a distance below the upper edge of said wing section and curving upwardly to a locking portion forming a recess in said wing sections, flaps having slits therein extending from and folded against said end panels to overlie and retain the upper portions of said wing sections against said end panel said flaps being of less depth than said recess, said upturned locking portions of said locking tabs adapted to overlie said downturned flaps and engage said slits.



2,417,654
JOINT FOR TUBES, RODS, AND THE LIKE

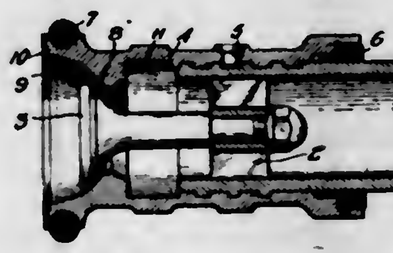
John F. Le Van, Elkhart, Ind., assignor to Excel Corporation, Elkhart, Ind., a corporation of Indiana
Application May 4, 1945, Serial No. 592,042
2 Claims. (Cl. 287—54)



1. A joint for tubes, rods and the like, including a fitting having tubular passages arranged at an angle to each other for receiving the tubes or rods to be joined, and also having an internal recess opening into said passages, a wedge member in the recess and movable to contact both tubes or rods upon the same operation, and means for operating the wedge.

2,417,655
FIREMAN'S NOZZLE

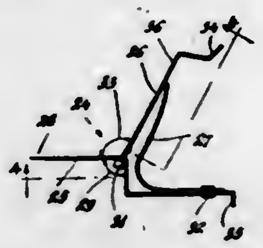
Charles H. Lindsay, Elmira, N. Y., assignor to American-La France-Foamite Corporation, Elmira, N. Y., a corporation of New York
Application September 1, 1942, Serial No. 456,955
2 Claims. (Cl. 299—131)



1. A fireman's hose nozzle comprising a tubular member threaded at one end to couple with standard fire hose and a companion member longitudinally movable thereon to establish at least two adjustments, one of said members having an internal spider carrying a spreader fixed therein, and the other member having a flow-controlling formation coacting with such spreader, such formation including an annular shut-off surface forming a seat for said spreader in one of said adjustments for closing the nozzle, and having a conical surface immediately forward of said shut-off surface adapted to cooperate with said spreader to produce a deluge stream of a cone-angle not less than 25° nor more than 45°, and of such water particle dispersion as to be safe for use on high potential electric objects, by which is meant a stream having such electric resistance as to prevent the passage of more than 3 milliamperes to the nozzle when it is played on objects of such high potential, said members being incapable of any adjustment giving a stream of less cone-angle or particle dispersion than the stream produced in such deluge stream adjustment.

2,417,656
ANTIRATTLER DEVICE FOR WINDOWS AND THE LIKE

Ernest C. Lyons, Brooklyn, N. Y.
Application January 8, 1945, Serial No. 571,794
7 Claims. (Cl. 292—343)



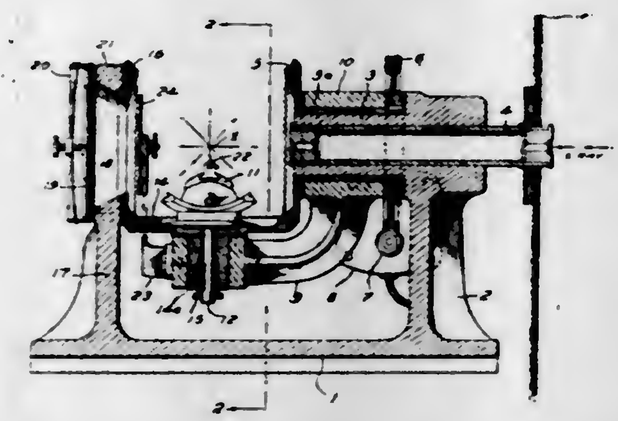
1. A device of the character described, comprising two relatively movable members, one operatively connected adjacent one end thereof to the other intermediate the ends thereof, one of said members having an end portion adapted to be inserted in the limited space between a window sash and a window frame and the other member being adapted to bear on the window sash beyond the window frame with the operative connection between said parts disposed beyond the window frame and spaced from the window sash, said members having parts remote from the insertable end portion and from the operative connection between the members adapted to be grasped between the thumb and a finger, and resilient means normally urging the graspable parts of said members apart and providing an obtuse dihedral angle between the insertable end portion of the one member and the other member, said obtuse dihedral angle between the members being adapted to be increased to substantially a straight angle upon the application of force to the graspable parts of the members against the tension of the resilient means for applying the device into operative position.

2,417,657
X-RAY GONIOMETER CAMERA

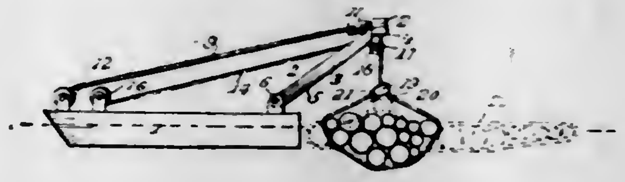
Dan McLachlan, Jr., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application October 6, 1944, Serial No. 557,491
4 Claims. (Cl. 250—65)

1. A method of producing and recording a crystal X-ray diffraction pattern of the distorted

reciprocal lattice type, which includes rotating a crystal about one of its crystallographic axes, projecting a collimated X-ray beam against said crystal at right angles to the said axis, rotating the crystal about the axis of the X-ray beam, rotation of the crystal about one crystallographic axis being simultaneous with and proportional to its rotation about the X-ray beam axis, and projecting the resultant diffraction pattern on a stationary X-ray sensitive photogrphic surface, while excluding undesirable diffraction beams therefrom.



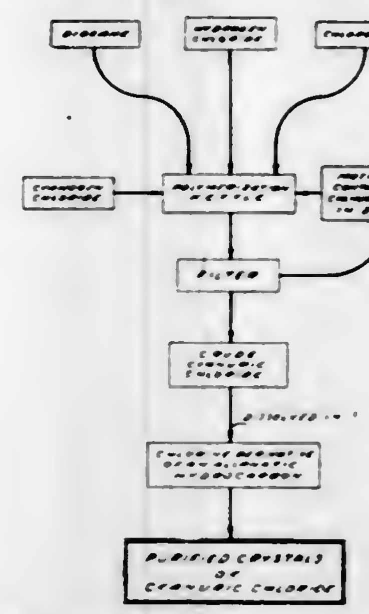
2,417,658
LOG BUNDLING APPARATUS
Luke Nichols, Hood River, Oreg.
Application August 21, 1944, Serial No. 550,458
1 Claim. (Cl. 9—15)



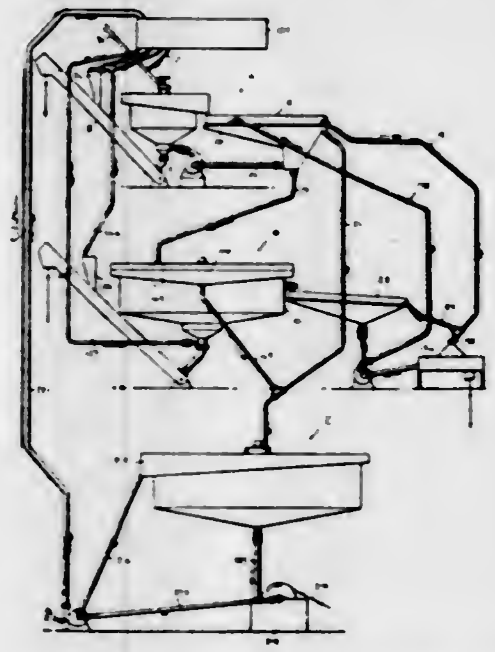
A means for bundling and fixing in bundles logs floating in a body of water, said means comprising a floating base, a boom including a supporting bar extending transverse the base, means on the base for raising and lowering the boom, bundling cables guided through the free ends of the boom and depending from the boom in materially spaced relation, a snatch block on each bundling cable, a terminal member on each bundling cable to be connected to the snatch block whereby the spaced cables may be carried around a series of logs floating on the water and drawn by the cables into a substantially rounded bundle like form and bundle tying cables to be passed around the bundle form resulting from the operation of the bundling cables and without disconnecting the latter to tie the bundle into a compact inseparable mass which may be floated on the water as a unit, the logs remaining more or less supported by the water during the bundling and tying operation and the bundling cables being released from log holding function after application of the tying cables.

2,417,659
METHOD OF PREPARING CYANURIC CHLORIDE
Wilbur N. Oldham, Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application May 6, 1944, Serial No. 534,461
5 Claims. (Cl. 260—248)

1. A method of preparing cyanuric chloride which includes the step of polymerizing cyanogen chloride in the presence of hydrogen chloride in a solvent medium consisting of dioxane and chloroform.

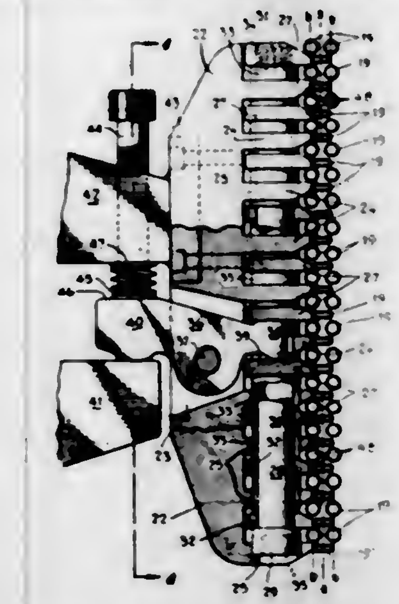


2,417,660
HYDRAULIC SEPARATION OF SOLIDS
Walter L. Remick, Evanston, Ill.
Application May 23, 1942, Serial No. 444,272
12 Claims. (Cl. 209—12)



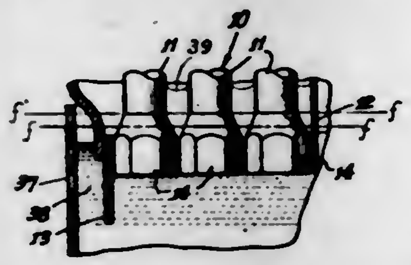
1. The process of separating mixed materials which consists in subjecting the materials to the classifying effect of an upwardly flowing current of a fluid medium, thereby segregating the overflow and underflow products; discharging the underflow product to waste; screening the overflow product; discharging the oversize portion of said overflow product; causing stratification of the undersize portion, to form at least two strata; introducing an upper stratum into said current; subjecting the lowest stratum to the classifying effect of an upwardly flowing current of a fluid medium, thereby producing an overflow product, a middling product and an underflow product; discharging separately the overflow and the underflow products; screening the middling product; discharging the oversize portion of said middling product; and adding the undersize portion of said middling product to the undersize portion of the overflow product of the first mentioned current.

2,417,661
METHOD FOR ASSEMBLING HEAT EXCHANGERS HAVING FLATTENED TUBES
Joseph G. Rosales, Los Angeles, Calif., assignor to The Garrett Corporation, Airesearch Manufacturing Company division, Los Angeles, Calif., a corporation of California
Application April 5, 1943, Serial No. 481,832
6 Claims. (Cl. 29—157.3)



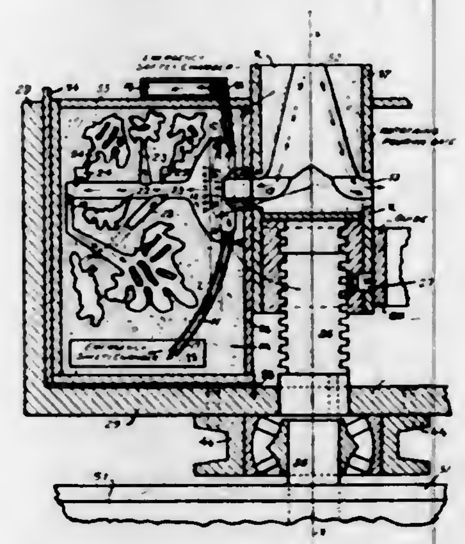
1. The steps in a method of assembling and flattening round tubes in a cooler frame structure having spaced header plates having tube holes arranged in rows in consecutive planes from front to rear, comprising: placing a set of tubes in an intermediate row of holes; subsequently flattening simultaneously one group of tubes in said set; subsequently flattening simultaneously another group in said set; continuing said flattening operation until all of the tubes of said set are flat; subsequently and progressively placing additional sets of tubes in rows of holes adjacent a previously flattened row of tubes; and repeating the flattening operation on such subsequently placed rows of tubes before placing a succeeding row of tubes in front thereof.

2,417,662
METHOD OF BRAZING ALUMINUM
Joseph G. Rosales, Los Angeles, Calif., assignor to The Garrett Corporation, Airesearch Manufacturing Company division, Los Angeles, Calif., a corporation of California
Application January 1, 1945, Serial No. 570,927
7 Claims. (Cl. 113—112)



1. The method of brazing a core assembly of the character described, having aluminum tubes with enlarged ends, wherein the core assembly is dipped in a flux and then in a filler metal, comprising: heating the core assembly to a temperature of about the melting point of the filler metal, but lower than the melting point of the aluminum; guarding a substantial portion of the walls of said core assembly from material heat loss and, without delay, dipping the lower end of the core assembly in molten flux at a temperature above the melting point of the filler metal a distance of not materially greater than the length of said enlarged ends of said tubes, said lower end of the core being maintained in the molten flux for about twenty seconds, and removing said end from said flux; dipping said end into molten filler metal at a temperature above the melting point of the filler metal to a depth less than the length of said tube ends and for a period of time corresponding to the range of five to ten seconds and removing the end from the filler metal with a shaking motion so as to dislodge excess filler metal from the dipped portion of the assembly; reversing said core assembly end for end, and, while continuing the guarding thereof against material loss of heat, dipping the other end thereof first in the molten flux, and then the molten filler metal substantially as set forth with relation to the first end of the core assembly; cooling said core assembly in a manner to avoid rupture of the brazed joints; and removing from the brazed core assembly the adhering flux.

2,417,663
GATE FOR CENTRIFUGAL CASTING MOLDS
George A. Rubissow, New York, N. Y.
Application June 22, 1944, Serial No. 541,488
2 Claims. (Cl. 22—65)

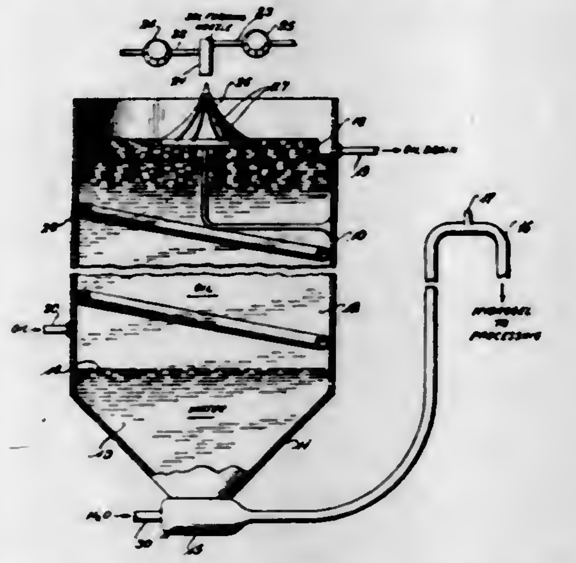


1. An apparatus for centrifugal casting of molten materials in the cavities of molds, comprising a rotatable pouring gate having an entrance orifice on its top and at least one exit orifice on its bottom, the inner walls of said gate flaring from top to bottom, means to control and maintain the position of said gate along the axis of rotation of said apparatus said means being coaxial with said axis of rotation, and comprising a female and male threadings and locking means.

2,417,664
SILICA-BERYLLIA GEL
Arthur C. Schmitt, Wenonah, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application September 30, 1944, Serial No. 556,631
32 Claims. (Cl. 252—317)

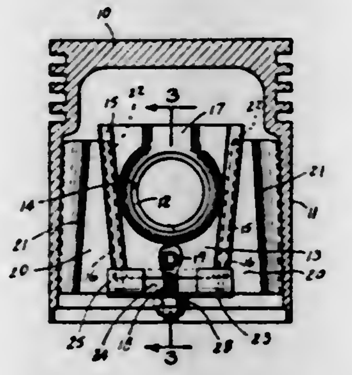
1. In a process for preparing a hydrosol containing silica and beryllia, the steps which comprise forming a silica hydrosol, adding an aqueous solution of a water soluble compound of beryllium to said hydrosol and adding an aqueous buffer solution to resultant mixture; the

amounts and acidity of the said hydrosol and the two said aqueous solutions being so adjusted



that the pH of the mixture of the three shall be between about 5 and about 8.5.

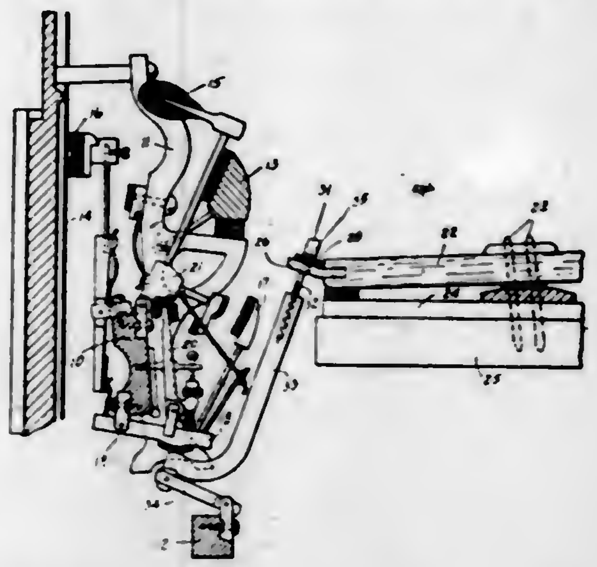
2,417,665
PISTON EXPANDER
Walter J. Six, Indianapolis, Ind.
Application May 31, 1945, Serial No. 596,825
14 Claims. (Cl. 309—12)



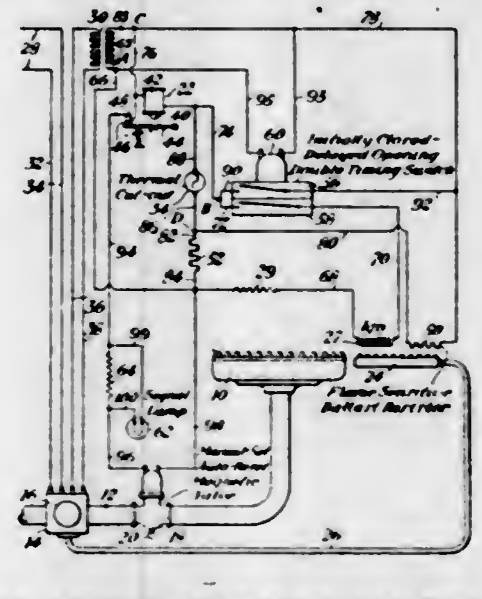
1. A piston expander adapted to be installed within a piston skirt having inwardly extending wrist pin bosses, said expander including opposed boss engaging sections, opposed end expander sections slidably carried by said boss sections at an angle for wedging engagement with the skirt intermediate said bosses, and interlocking means for said sections adjustable to wedge said expander sections against said skirt under predetermined tension.

2,417,666
PIANO ACTION
Francis C. Socin, St. Charles, Ill., assignor to The Rudolph Wurlitzer Company, Chicago, Ill., a corporation
Application July 21, 1944, Serial No. 545,901
1 Claim. (Cl. 84—240)

A piano drop action having a wippen and a rigid sticker extending under and into engagement therewith, a piano key, a bifurcated insert member providing an extended bearing support inserted in the actuating end of said key, a slotted flexible bearing lock having an aperture communicating with its slot and mounted on said support, an adjusting screw threaded into the upper end of said sticker to extend upwardly therefrom through the aperture in said bearing lock and removable from said lock through said slot against the flexing resistance thereof, and a squared wrench engageable head formed on the upper end of said screw for effecting adjustment of said screw relative to said sticker, said head having cushioned bearing engagement with said bearing lock.

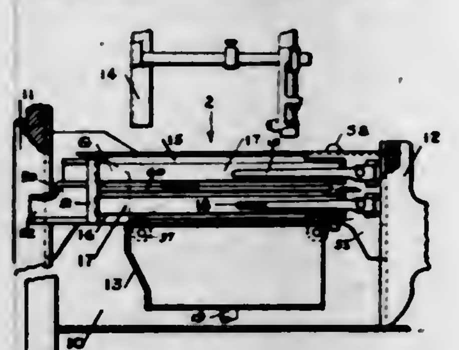


2,417,667
SAFETY CONTROL SYSTEM FOR FUEL BURNERS
Charles K. Strobel, Pittsburgh, Pa., assignor to Robertshaw Thermostat Company, Youngwood, Pa., a corporation of Pennsylvania
Application June 19, 1944, Serial No. 540,979
10 Claims. (Cl. 158—117.1)


Infinitely Closed-Delayed Opening Double Throw Switch
Flame Sensitive Ballast Resistor

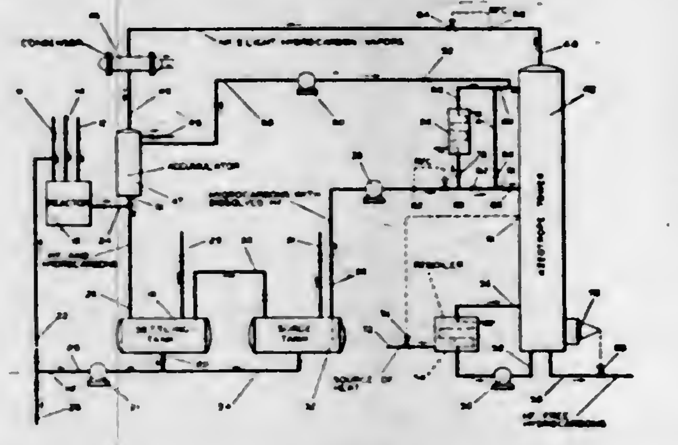
1. Safety control apparatus for fuel burners having a source of electrical energy, comprising an electrically operable device movable between fuel flow permitting and preventing positions for controlling the supply of fuel to the burner, an energizing circuit for said device including the source, a control relay having contacts connected in said circuit and operable for energizing and deenergizing said device for movement thereof between said positions in response to variations in the current value supplied to said relay, and circuit means connecting said relay to the source, said circuit means including a ballast resistor having a preselected temperature coefficient of resistance electrically connected to said relay and located to be heated by the burner flame, said resistor being adapted to vary in resistance according to the presence or absence of said flame for causing said current variations upon extinguishment of said flame sufficient to effect movement of said device to said fuel flow preventing position.

2,417,668
SHUTTLE BOX FOR LOOMS
Gustaf H. Utter, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application August 1, 1945, Serial No. 608,277
8 Claims. (Cl. 139—184)



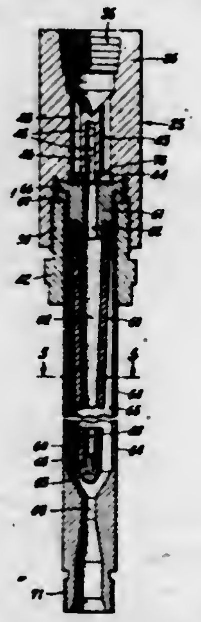
1. In a shuttle box structure having upper and lower shuttle receiving shuttle boxes, a back section having a vertical wall, top and bottom fins extending forwardly from said wall, an intermediate fin between said top and bottom fins also extending forwardly from said wall and having a slot therein for the passage of a bobbin, a front section for said structure having a box mouth plate at one end thereof and a shuttle binder supporting plate at the other end thereof, and a bar connecting said plates and having a horizontal slot therein into which the front edge of said intermediate fin fits, said top and bottom and intermediate fins being secured to the binder supporting plate, said bottom fin being secured to the box mouth forming plate, and the front edge of said intermediate fin in front of said slot therein being secured to both of said plates and to said bar.

2,417,669
DISTILLATION OF HYDROGEN FLUORIDE-HYDROCARBON MIXTURES AT CONSTANT RATE
Roy E. Vinyard, Phillips, Tex., assignor to Phillips Petroleum Company, a corporation of Delaware
Application January 1, 1944, Serial No. 516,670
12 Claims. (Cl. 202—40)



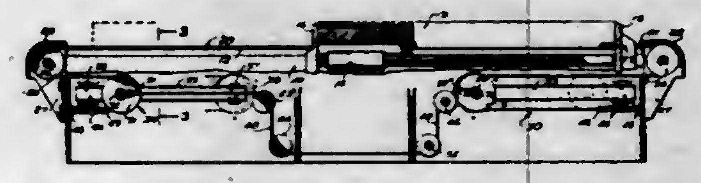
7. In the fractional distillation of a mixture containing a low-boiling hydrocarbon and hydrogen fluoride, the improvement which comprises passing such a mixture at a substantially constant rate to a fractional distillation, separating from said fractional distillation a relatively low-boiling fraction comprising a low-boiling hydrocarbon and substantially all of the hydrogen fluoride passed to said fractional distillation at a positively controlled substantially constant flow rate, separating from said fractional distillation a relatively high-boiling fraction substantially free from hydrogen fluoride, and maintaining a substantially constant pressure during said fractional distillation.

2,417,670
POROUS DISC TYPE GAS MIXER
Clifford C. Anthes, Union, N. J., assignor to Union Carbide and Carbon Corporation, a corporation of New York
Application January 7, 1944, Serial No. 517,396
3 Claims. (Cl. 158—27.4)



1. A combined porous type gas mixer and backfire arrester assembly for a blowpipe, comprising a casing having two separate gas inlet openings, an enlarged outlet opening, a pipe having an end portion contained in the enlarged outlet opening, said pipe having an enlarged axially extending chamber and restricted gas passage portion in communication with each other, a hollow frusto-conical porous element spaced from the wall of and extending within the enlarged chamber into close proximity with the restricted gas passage portion, a solid metal deflector piece closing the outer end of the porous element to divert a flame resulting from the backfire issuing rearwardly from the restricted gas passage portion, a base connected to the opposite end of the porous element, said base having a mixed-gas passage therethrough to deliver the gases entering the outlet opening to the interior of the porous element, and means securing the base and the pipe within the enlarged outlet opening.

2,417,671
MACHINE TOOL WAY GUARD
Joseph B. Armitage, Wauwatosa, Wis., assignor to Kearney & Trecker Corporation, West Allis, Wis., a corporation of Wisconsin
Application August 2, 1943, Serial No. 497,034
16 Claims. (Cl. 308—3.5)



16. In a machine tool having a hollow frame presenting bearing ways and a carriage slidably mounted on said ways, guard mechanism for said ways comprising a guide pulley rotatably mounted at each end of each way, a flexible protective strip extending over each end of each way and connected at one end to said carriage, said strips

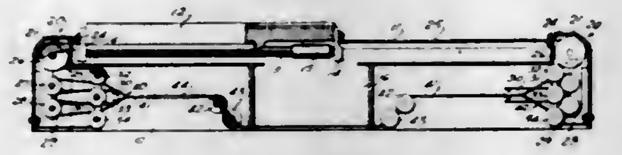
running over said pulleys and being looped within said hollow frame, means connecting the other end of each looped strip to said frame, a pulley engaged within the loop of each strip and movably mounted within said frame, and motion transmitting mechanism interconnecting the movable pulleys within one end of said frame with those within the other end thereof in manner to exert force between them for maintaining said strips taut while permitting movement of said pulleys to take in and pay out said strips alternately in accordance with movements of said carriage along said ways.

2,417,672
WAY GUARD STRUCTURE

Joseph B. Armitage, Wauwatosa, Wis., assignor to Kearney & Trecker Corporation, West Allis, Wis., a corporation of Wisconsin

Application July 27, 1944, Serial No. 546,833

22 Claims. (Cl. 308—3.5)



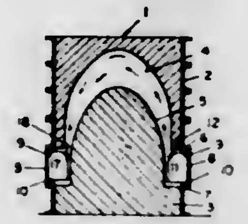
17. In a machine having a base including guide ways and a work support mounted for sliding movement along the ways, the combination of a unitary way guard structure adapted to provide a protective covering for the normally exposed portions of the ways, said unitary way guard structure comprising, a frame for attachment to the base of the machine, a plurality of way guard guide members including a bank of fixed and a bank of movable members mounted in said frame, said fixed and movable members being positioned respectively in spaced relationship, a flexible way guard strip trained about said guide members in extended condition, and a force exerting mechanism operative upon said movable guide members in manner to retain said way guard taut and permit movement of the work support along the ways of the machine.

2,417,673
APPARATUS FOR DRYING FOUNDRY MOLDS

Charles A. Barnett and Joseph M. Beyvl, Cleveland, Ohio, assignors to The Foundry Equipment Company, Cleveland, Ohio, a corporation of Ohio

Application July 15, 1943, Serial No. 494,756

6 Claims. (Cl. 22—87)



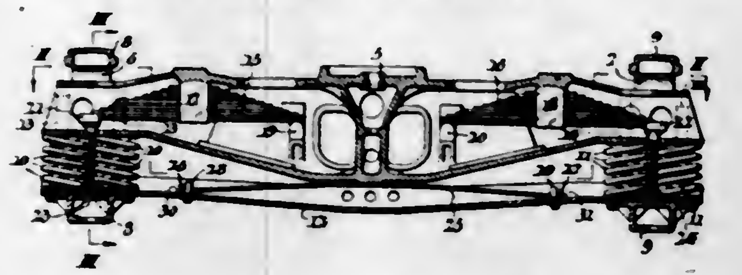
3. In an apparatus for drying sand in foundry molds, the combination of a forced air heater, a spacer in the form of a vertical continuation of the mold flask walls and adapted to be inserted between the cope and the drag of the flask at the parting, a distributing outlet manifold carried by said spacer, conduits connecting said heater to said manifold, and means for circulating air from said heater and through said conduits.

2,417,674
RAILWAY CAR TRUCK

Charles D. Barrett and Charles R. Whitehead, Altoona, Pa.

Application December 8, 1944, Serial No. 567,166

2 Claims. (Cl. 105—197)



1. In a railway car truck having a pair of side frames rigidly connected by a transverse member, a resiliently-supported bolster with its ends extending through vertical guideways in said frames, and a leaf spring with its mid portion bearing upward against the bottom of the bolster, and its ends slidably bearing downward against the top of the aforesaid transverse connecting member; wear-taking and hold down means for the spring ends including wear plates interposed between them and the connecting member and fixed to the latter and strap elements extending crosswise over them and secured to said connecting member.

2,417,675
CRYSTALLINE OLEFIN-NITROSYL CHLORIDE ADDITION PRODUCTS AND PROCESS FOR MAKING THEM

Leland James Beckham, Geddes, N. Y., assignor to The Solvay Process Company, New York, N. Y., a corporation of New York

No Drawing. Application May 21, 1943, Serial No. 487,974

18 Claims. (Cl. 260—647)

1. A process for the production of a crystalline nitrosyl chloride addition product of an olefin having a maximum of 3 carbon atoms, which comprises reacting said olefin with nitrosyl chloride at a temperature from −25° C. to 60° C., in the liquid phase, while in solution in a volatile saturated halogenated hydrocarbon which is a solvent for the olefin and the nitrosyl chloride, and crystallizing the nitrosyl chloride addition product from the reaction mixture.

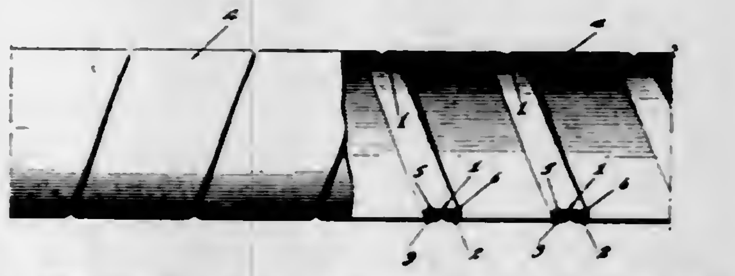
18. The crystalline bis-nitroso chloride of an olefin containing a maximum of 3 carbon atoms, said bis-nitroso-chloride having a melting point between 71° C. and 92° C. when recrystallized from carbon tetrachloride.

2,417,676
COLLAPSIBLE TUBING

Abel E. Chernack, Elmwood, Conn.

Application March 1, 1944, Serial No. 524,599

7 Claims. (Cl. 138—51)



1. Flexible tubing consisting of a metallic strip in a helical coil, said strip having longitudinal edge and body portions with said edge portions inwardly directed towards the longitudinal axis of the strip and parallel to the body portion of said strip and a strip of flexible material having a body portion of flat transverse section and edge portions directly connected to said body portion and extending inwardly parallel to said body portion towards the longitudinal axis of said flexible strip, said edge portions of said flexible strip being clamped by said metallic strip edge and body portions and only frictionally held thereby.

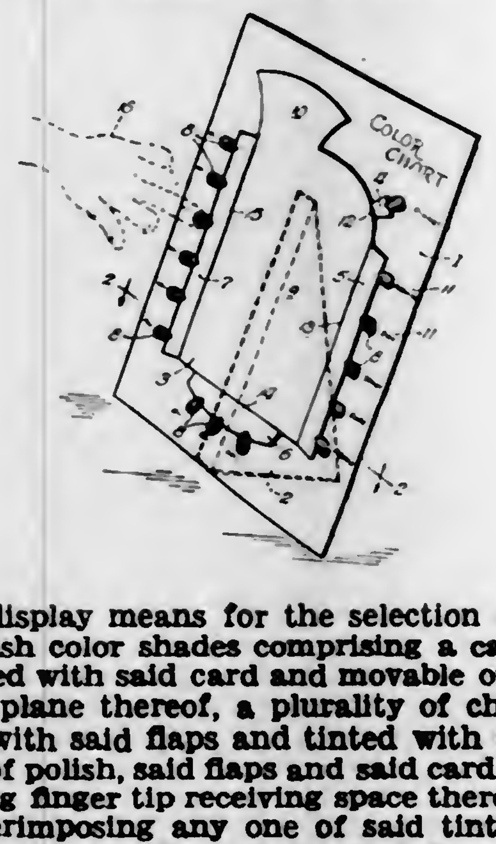
3. Flexible tubing consisting of a metallic strip in a helical coil, said strip having longitudinal edge and body portions with said edge portions inwardly directed towards the longitudinal axis of the strip and parallel to said strip adjacent the inner face of said strip and a second strip of flexible material having a body portion of flat transverse section and opposite edge portions directly connected to said body portion and extending inwardly parallel to said body portion towards the longitudinal axis of said second strip, said edge portions of said second strip being clamped by said edge and body portions of said metallic strip and only frictionally held thereby.

2,417,677
DISPLAY CARD

Albert M. Cohan, Chicago, Ill.

Application October 11, 1945, Serial No. 621,706

11 Claims. (Cl. 35—59)



1. A display means for the selection of finger nail polish color shades comprising a card, flaps connected with said card and movable out of the general plane thereof, a plurality of chips connected with said flaps and tinted with available shades of polish, said flaps and said card together providing finger tip receiving space therebetween for superimposing any one of said tinted chips upon the fingernail of an inserted finger tip for making a shade selection.

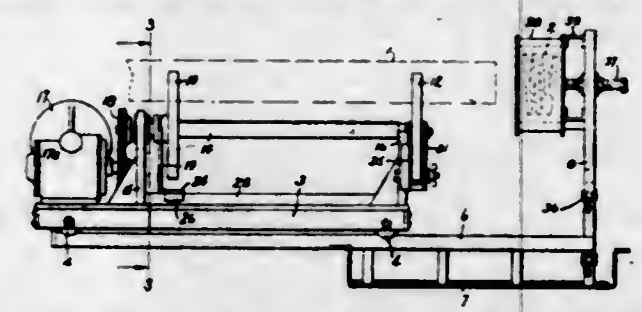
2,417,678
WORK HANDLING APPARATUS

Ralph E. Cox, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application December 30, 1944, Serial No. 570,659

2 Claims. (Cl. 214—1)

2. Handling apparatus for an elongated work piece comprising a support provided with a track, a carriage mounted for movement back and forth on said track, two shafts on said carriage in parallel spaced relation with each other and extending substantially parallel with said track, a roller mounted on each of said shafts for rotation with said shaft and for slidable movement lengthwise of said shaft, a member connecting said rollers together so as to maintain them substantially in a common plane when they are moved lengthwise of said shafts, a driving motor on said carriage connected to turn said shafts and rollers in the same direction thereby to rotate a work piece placed thereon, a second pair of rollers, a support for said second pair of rollers supporting said rollers at the end of said shafts with their axes substantially parallel with the axes of said shafts, and means for adjusting said support thereby to adjust said second pair of rollers and adjust the position of one end of an elongated work piece placed on said two pairs of rollers.



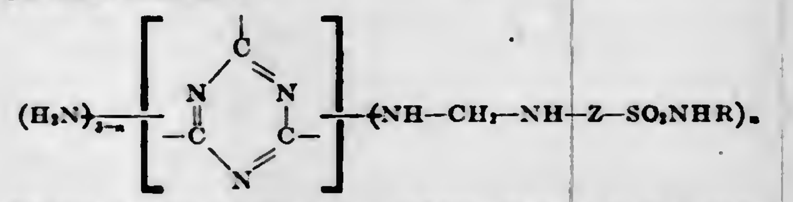
2,417,679
REACTION PRODUCTS OF AN ALDEHYDE AND A TRIAZINE DERIVATIVE

Gaetano F. D'Alelio, Northampton, Mass., assignor to General Electric Company, a corporation of New York

No Drawing. Application January 20, 1944, Serial No. 518,994

19 Claims. (Cl. 260—42)

1. A composition of matter comprising the product of reaction of ingredients including an aldehyde and a compound corresponding to the general formula



$$(H_2N)_{3-n}\left[C_3N_3\right](NH-CH_2-NH-Z-SO_2NHR)_n$$

where *n* represents an integer which is at least 1 but not more than 3, Z represents a member of the class consisting of divalent aromatic hydrocarbon radicals and divalent nuclearly halogenated aromatic hydrocarbon radicals, and R represents a member of the class consisting of hydrogen and monovalent hydrocarbon radicals.

2,417,680
SANDING PAD

Alonzo G. Decker, Baltimore County, Md., assignor to The Black and Decker Manufacturing Company, a corporation of Maryland

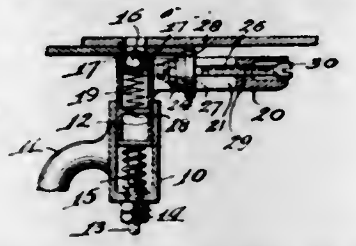
Original application December 31, 1941, Serial No. 425,181, now Patent No. 2,350,098, dated May 30, 1944. Divided and this application April 28, 1944, Serial No. 533,158

4 Claims. (Cl. 51—189)

1. A resilient sanding pad member for a rotary abrading tool comprising a relatively large approximately rectangular resiliently flexing pad having a central aperture, a screw threaded shank extending through said aperture relatively small transversely extending means operatively connected to said shank for supporting the pad from beneath, said means being sunk into

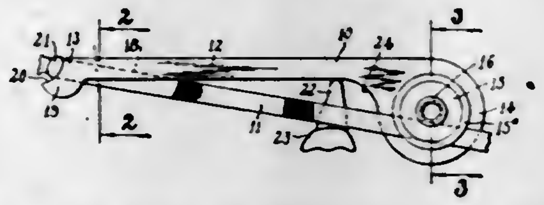
said aperture to present a plane surface on the underside of the pad, a relatively small centrally apertured plate located on top of said pad with the shank extending through said aperture, a nut threaded on said shank and located above the plate, said relatively small transversely extending means and plate allowing the flexing of the major part of said pad.

2,417,681
RIVET HOLE LOCATOR AND GAUGE
Louis Frank, Fellows, Calif.
Application August 4, 1943, Serial No. 497,332
6 Claims. (Cl. 78—46)



1. In a rivet hole locator and gauge, a support, a spring pressed plunger mounted for sliding movement in said support, a spring pressed ball mounted for sliding movement in said plunger, an arm projecting from said plunger and a work engaging roller journalled for rotation upon said arm.

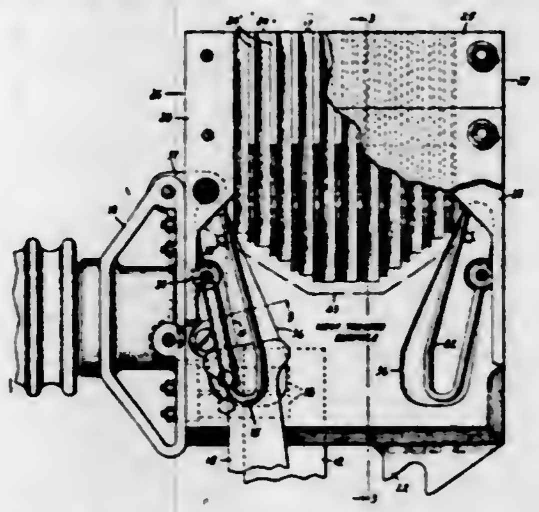
2,417,682
DENTAL APPLIANCE
Leon H. Hamilton, Waterbury, Conn.
Application June 8, 1944, Serial No. 539,278
2 Claims. (Cl. 132—91)



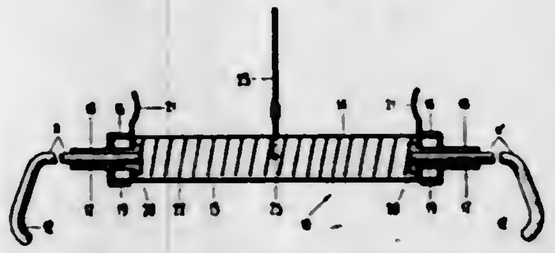
2. A holder such as described, comprising an elongated substantially straight bar having at one end a transverse extension of substantially less length than the bar, means located adjacent a face of said extension for securing a tape extremity in place with the tape extending at a slight angle to the bar in the direction of the other end of the bar, such other end of the bar being provided in a location substantially in alignment with the bar axis with means for detachably securing in position the other extremity of the tape, said last-named means comprising a portion of the bar having a kerf in the general plane of the bar and disposed at an acute angle to the bar axis.

2,417,683
ELECTRIC AIR CIRCUIT BREAKER
Winton G. Harlow, Upper Darby, Pa., assignor to General Electric Company, a corporation of New York
Application April 13, 1944, Serial No. 530,912
5 Claims. (Cl. 200—147)

1. An electric air circuit interrupter comprising relatively movable contacts between which an arc may be formed upon opening of the circuit, and an insulating arc chute into which said arc is driven comprising spaced side walls, each side wall having on its side facing the other wall a plurality of ridges extending longitudinally in the general direction of movement of said arc through said chute, the ridges of one wall being closely adjacent to, overlapping and staggered with respect to the ridges of the opposite wall so that the arc in passing through said chute is forced to take a tortuous closely confined path around the outer edges of said ridges to increase the length of and attenuate said arc, said ridges associated with each side wall at the exhaust portion of said chute abutting the other side wall so as to interrupt the continuity of said tortuous arc path at the outer edge of each ridge over a predetermined portion of the chute whereby to prevent the travel of the arc into this portion of the chute.



2,417,684
FINGER GRIP EXPANDABLE GARMENT HANGER
Leonard B. Harris, Southold, and Vito R. Pascale, New York, N. Y.
Application April 22, 1946, Serial No. 664,110
1 Claim. (Cl. 223—95)

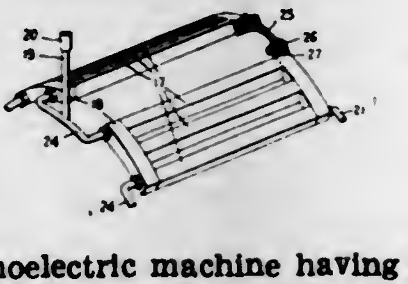


In a level hanging one-hand actuated expandable garment hanger of the class described, comprising a tubular housing having a longitudinal slot in its upper surface, covers and bearings secured respectively at each end of said housing, a supporting hook pivotally positioned at the central portion of said housing, garment supporting arms slidable in said bearings and having bushings at the ends inside said housing, two equally movable finger-grip members slidable within said housing and passing through said slot and being integral with said supporting arms for bringing said supporting arms equally toward each other, said arms being equidistant from said central supporting hook in all adjusted positions, a compression coil spring in said tubular housing pressing against said finger-grip members for extending said supporting arms, said hook having arms with free end portions passing between two coils through the midportion of said spring, thereby causing each half of said spring to be equally compressed and said finger-grip members to be equally movable toward each other supporting arms being positioned in obtuse angular relation with said housing and adapted to automatically support various garments in normally level hanging position.

2,417,685
SEPARATION OF ETHYLENE CHLOROHYDRIN FROM HIGHER CHLOROHYDRINS
Joseph R. Heard, Jr., New York, N. Y., assignor to Wyandotte Chemicals Corporation, Wyandotte, Mich., a corporation of Michigan
No Drawing. Application March 29, 1944, Serial No. 528,649
11 Claims. (Cl. 260—348.6)

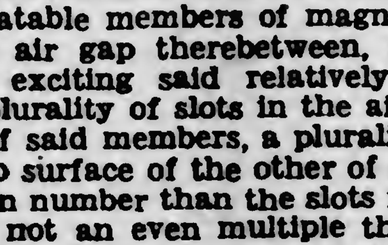
1. In the method of producing propylene oxide, the steps of reacting an aqueous mixture of propylene chlorohydrin to ethylene chlorohydrin in the approximate ratio of 1:2 with an amount of alkali approximately equivalent to the propylene chlorohydrin and any free acid present at about room temperature, then distilling off propylene oxide of about 90% purity.

2,417,686
DYNAMOELECTRIC MACHINE
Adolph C. Hugin, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application January 23, 1945, Serial No. 574,053
19 Claims. (Cl. 188—104)



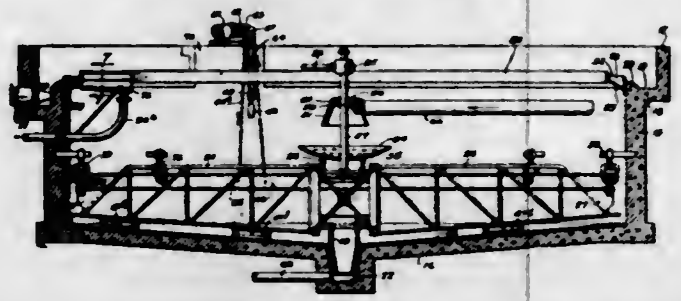
1. A dynamoelectric machine having a pair of relatively rotatable members of magnetic material with an air gap therebetween, means for magnetically exciting said relatively rotatable members, a plurality of slots in the air gap surface of one of said members, a plurality of slots in the air gap surface of the other of said members greater in number than the slots in said one member and not an even multiple thereof, and cooling means including a squirrel cage winding formed of tubular electrical conductors in said slots in said other member arranged for the circulation of cooling medium therethrough.

2,417,687
BRASSIÈRE
Lillian Hunau, Brooklyn, N. Y.
Application July 19, 1946, Serial No. 684,707
5 Claims. (Cl. 2—42)



1. A brassière comprising a pair of breast pockets, a back member having its ends attached to the outer edges of said pockets, the breast pocket and back portions comprising the entire body encircling portion of the garment, each of said pockets having a vertical channel formed by rows of parallel stitching extending from a point in alignment substantially with the bottom of the breast pockets upwardly to a point above the center of the said pockets, said channels being open at top and bottom, a U-shaped link having its legs freely sliding upwardly into said pockets, and each of said legs having a reversely bent upper end forming a hook of less outside width than the channel through which it is inserted, and having an opening between the leg and end sufficient to fit over the top edge of the channel.

2,417,688
SEWAGE CLARIFIER
Harold T. Jeffery, Wilmette, Ill., assignor to Yeomans Brothers Company, a corporation of Delaware
Application September 30, 1943, Serial No. 504,342
8 Claims. (Cl. 210—55)

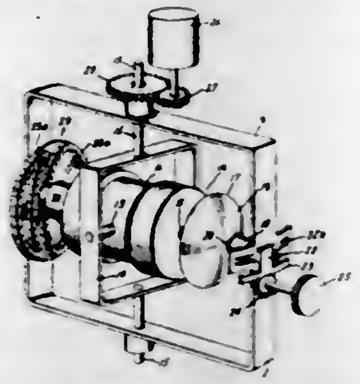


1. Apparatus of the class described comprising a tank having a bottom wall and a side wall, inlet means arranged to conduct a liquid which is to be clarified into the interior of said tank, and to discharge said liquid centrally of said tank in a region which is spaced upwardly from the bottom of said tank outlet means, located adjacent the top of said tank and spaced horizontally from said inlet for conducting clarified liquid from said tank, sediment collecting and discharge means which includes a sediment collecting chamber located on the bottom wall of said tank, a normally submerged, scraper structure, means supporting said scraper structure for rotatable movement within said tank, said scraper structure including a plurality of scraper members for effecting movement of sediment along the bottom of said tank and into said sediment chamber as an incident to the rotation of said scraper structure, means for rotating said scraper structure comprising a normally stationary, electrically driven power unit embodying a driven sprocket disposed adjacent the top of said tank, an endless chain which engages said sprocket so as to be driven thereby and which extends downwardly from said sprocket to the level of said scraper structure and thence around said structure, and means for guiding said chain from the downwardly extending reaches thereof to and about said scraper structure, yieldable means supporting said power unit in predetermined operative position, said support means being operable to permit movement of said power unit in the event normal movement of said chain is excessively resisted, switch means for controlling the supply of electric power to said power unit, and means for actuating said switch as an incident to movement of said power unit in the event aforesaid.

2,417,689
GYROSCOPIC DEVICE
Frithiof V. Johnson, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application July 12, 1943, Serial No. 494,339
4 Claims. (Cl. 74—5)

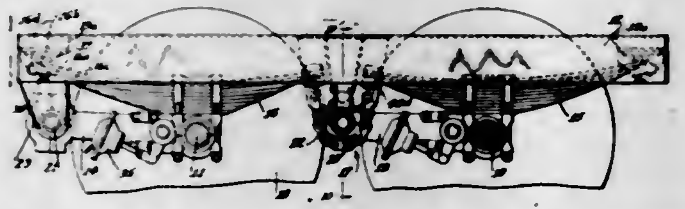
1. A gyroscopic device comprising a gyroscope, means mounting said gyroscope for movement about mutually perpendicular axes, a member movable about one of said axes, an electromagnetic coupling between said gyroscope and mem-

ber having an eddy-current disk on one of them and a coacting magnet on the other, said disk and said magnet being relatively rotatable, the flux generated by said magnet linking said disk and applying to said gyroscope a torque about the other of said axes tending to precess said gyroscope about said one axis toward a predetermined position relative to said member, means for angularly displacing said magnet and disk relatively to each other in the direction of said movement about said one axis, a motor for driving said member about said one axis, and control means for said motor operated responsively to relative movement between said gyroscope and member for causing said motor to drive said member.



2,417,690
TANDEM TRAILER SUSPENSION

George Keller, Jr., Keyport, N. J., assignor to The Trucktor Corporation, Newark, N. J., a corporation of Delaware
Application August 19, 1944, Serial No. 550,169
12 Claims. (Cl. 280—104.5)

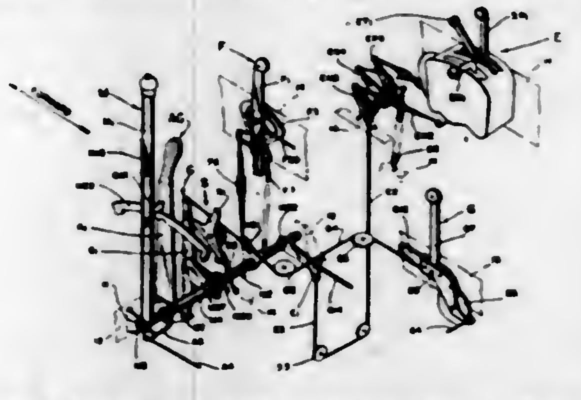


1. A spring suspension for vehicles comprising a frame having inverted side channel members, a pair of axles, a pair of springs for each axle having their ends disposed within said side channel members, a slipper block fulcrumed on an outer end of each of said springs and slidably supported within said side channel members, flexible load dividing means connecting the adjacent inner ends of the springs in the same channel members and suspending said adjacent ends from said frame, and separate towing yokes connected for limited universal movement to said frame and to each axle for positioning the axles and springs relatively to said frame.

2,417,691
AIRCRAFT FLIGHT CONTROL

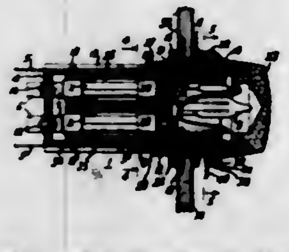
Frank H. Kelley, Rosemond, Calif., and Robert M. Stanley, Kenmore, N. Y., assignors to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application June 3, 1943, Serial No. 489,428
12 Claims. (Cl. 244—42)

1. In an airplane having a landing system comprising a retractable landing gear including a lockable tail wheel and a retractable arresting gear, a master control lever operatively connected with said landing gear and tail wheel lock adapted by movement in one direction to extend said landing gear and lock said tail wheel, and control means operatively connected with said arresting gear adapted upon concurrent movement with said master control in said direction to extend said arresting gear concurrently with said landing gear while preventing the locking of said tail wheel.



2,417,692
FUSE AND SWITCH UNIT

Halsey W. Kline, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application July 12, 1944, Serial No. 544,533
13 Claims. (Cl. 200—114)

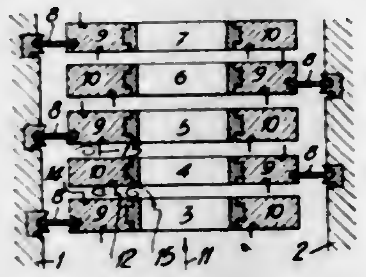


1. A combined switch and fuse unit adapted to be mounted on a panel comprising an insulating base having a recess formed therein, means for fastening said base to a panel, a plurality of contacts associated with said base at least one of which is mounted in a shallow recess in the outside wall of said base, a fuse holder adapted to be mounted in said recess, a fuse in said fuse holder, a plurality of contacts associated with said fuse holder and adapted to engage with said plurality of contacts associated with said base, means including one of said contacts on said fuse holder for determining the relative positions of said base and fuse holder when said fuse holder is inserted into the recess in said base, means for permitting rotation of said fuse holder relative to said base only when said fuse holder has been inserted into said recess a predetermined distance, means for rotating said fuse holder to produce engagement and disengagement of said plurality of contacts associated with said base with said plurality of contacts associated with said fuse holder, and latching means for latching said fuse holder to said base while still permitting relative rotation of said fuse holder and said base.

2,417,693
SEAL FOR RADIAL FLOW TURBINES OR COMPRESSORS

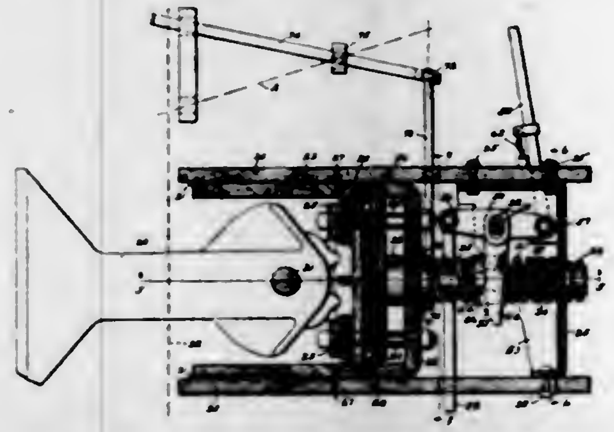
Per Gottfrid Lange, Finspong, Sweden
Application July 16, 1945, Serial No. 605,374
In Sweden October 23, 1944
4 Claims. (Cl. 253—16.5)

1. In a blading for a radial flow elastic fluid turbine or compressor, which comprises a set of blade rings concentrically arranged so as to form radial spaces between themselves, a ring bond at either end of each blade ring, means to support the ring bond of every second blade ring at one side of the blading, and means to support the ring bonds of the other blade rings at the other side of the blading, while forming at each side of the blading a set of annular chambers each of which connects the two spaces inside and outside an unsupported ring bond with each other, the provision in each such pair of interconnected spaces of two equally directed tightening strips or groups of strips and an oppositely directed tightening strip or group of strips, said last-mentioned strip or group of strips being positioned between the said two first-mentioned strips or groups of strips as far as the direction of flow of fluid passing from one space to another via the respective annular chamber is concerned.



2,417,694
AUTOMATIC BRAKING MECHANISM FOR VEHICLES

Ernst A. Larsson, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application October 6, 1944, Serial No. 557,475
14 Claims. (Cl. 188—147)

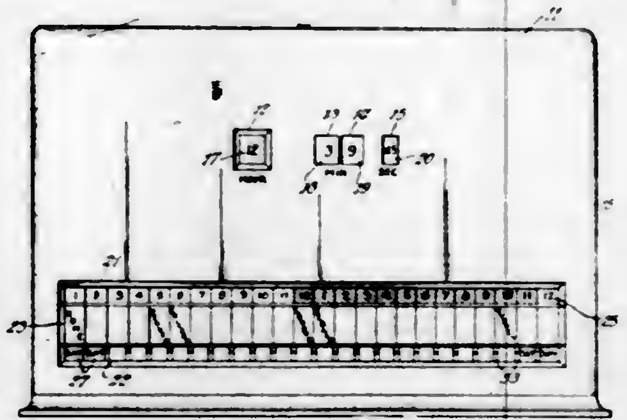


1. In combination, a car body provided with a brake system and a coupler subject to movement relative to the car body when a compressive force is applied longitudinally to the coupler, means interposed between the coupler and brake system and operatively associated with each to transmit movement from the coupler to the brake system when the compressive force exceeds a predetermined value and means associated with the coupler to check said movement to the brake system when the compressive force reaches a higher predetermined value than the first said predetermined value and other means interposed between the coupler and the brake system and operatively associated with each to check the said movement from the coupler to the brake system when the applied pressure of the brake system reaches a predetermined value.

2,417,695
INTERNATIONAL TIME AND DAY CLOCK

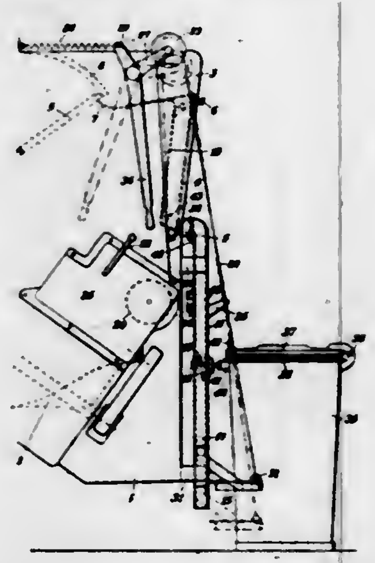
James E. Lewis, Chicago, Ill.
Application June 8, 1946, Serial No. 675,355
9 Claims. (Cl. 58—44)

3. In a clock, the combination of a case having windows in one wall, hour, minute and seconds drums rotatably mounted behind said windows, said wall having also two parallel elongated slots, an elongated plate between said slots, having a series of geographical locations displayed thereon, an hour drum rotatably mounted behind one of said slots, and having the hours of the day and night displayed around its cylindrical surface, and arranged in several series running lengthwise of the drum, one series of hour indications being simultaneously visible through the slot behind which the drum is journaled, day indication drums rotatably mounted behind the other slot and each having the days of the week displayed thereon, a driving motor, driving connections between said motor and the seconds, minutes and first mentioned hour drum, driving connections between said first mentioned hour drum and second mentioned hour drum, and means carried by the second named hour drum for intermittently rotating the day indicating drums, one at a time.



2,417,696
REFUSE COLLECTING CONTAINER

Hilding Linde, Kalmar, Sweden
Application March 16, 1945, Serial No. 583,068
In Sweden March 4, 1944
7 Claims. (Cl. 214—67)

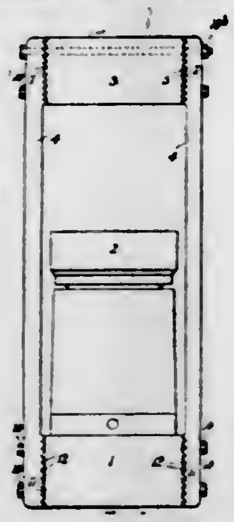


1. In a refuse collecting container having a device for emptying dust bins thereinto, said device comprising an elevator having a carrier and guide rails in which the carrier runs and having upwardly open hooks, said guide rails extending downwards sufficient to allow said open hooks to be introduced from below into corresponding coupling members on a dust bin on the ground, and means for hoisting up the carrier into a tilting position and for tilting the carrier together with the bin.

2,417,697

PRESS

Evarts G. Loomis, Newark, N. J.
Application March 29, 1944, Serial No. 528,555
2 Claims. (Cl. 100—70)

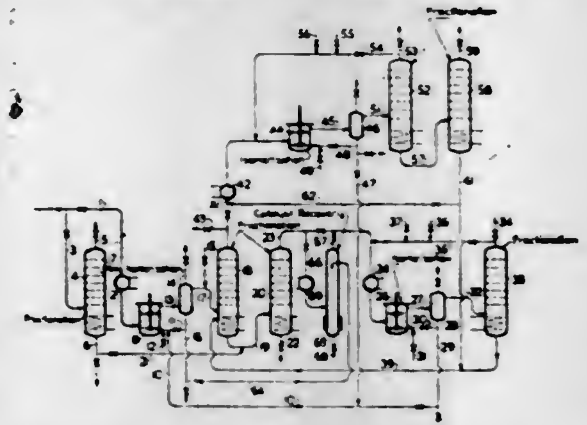


1. In a press of the character described, a press cross head having its opposite side faces provided with a plurality of angular teeth, each of said teeth being provided with a substantially rectangular face, one or more tie bars on each of the sides of the head, threaded means holding the tie bars and cross head together, each of said tie bars being substantially U-shaped in cross section and having its cross web provided with teeth in mesh with those on the cross head, each of the teeth on the tie bars having a rectangularly disposed shoulder taking over a rectangular surface on a tooth on the cross head, and means by which the setting of the cross head with respect to the toothed surfaces of the tie bars may be adjusted.

2,417,698

ISOMERIZING HYDROCARBONS

Sumner H. McAllister, Lafayette, Chester C. Crawford, El Cerrito, and William E. Ross, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application May 16, 1942, Serial No. 443,268
13 Claims. (Cl. 260—666)

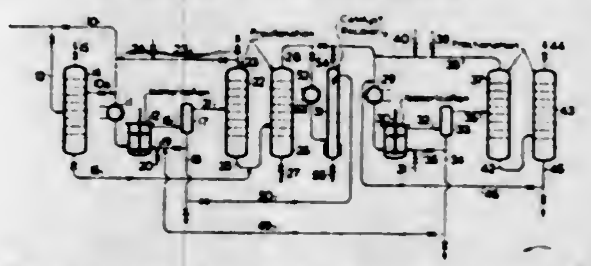


11. Process for the production of multi-branched paraffin hydrocarbons from hydrocarbon mixtures comprising straight chain paraffins having at least six carbon atoms to the molecule and naphthene hydrocarbons of non-hydroaromatic structure having the same number of carbon atoms to the molecule, which comprises contacting the hydrocarbon mixture with a mild isomerization catalyst comprising aluminum halide in a first conversion zone under sufficiently mild isomerization conditions to effect the conversion of naphthenes of non-hydroaromatic structure to naphthenes of hydroaromatic structure as the predominating reaction, separating naphthenes comprising naphthenes of hydroaromatic structure from the effluence of the first conversion zone, contacting the remaining hydrocarbons comprising straight chain paraffins with a more active aluminum halide-containing isomerization catalyst in a second conversion zone under paraffin isomerizing conditions, limiting the time of contact of hydrocarbons and catalyst in the second conversion zone to effect the conversion of straight chain paraffins to single-branched paraffins with a minimum formation of multi-branched paraffins, separating a fraction predominating in single-branched paraffins from the effluence of the second conversion zone, contacting said fraction comprising single-branched paraffins with a separate portion of said more active isomerization catalyst under paraffin isomerizing conditions in a third conversion zone, maintaining a time of contact in said third conversion zone sufficiently long to effect the conversion of single-branched paraffins to multi-branched paraffins as the predominant reaction, and maintaining an increase in at least one of the isomerizing conditions of temperature, catalyst activity and time of contact in each of said conversion zones over that maintained in each preceding conversion zone, thereby maintaining isomerizing conditions of progressively increased intensity through said conversion zones.

2,417,699

METHOD FOR ISOMERIZING NAPHTHENES AND PARAFFINS IN A HYDROCARBON MIXTURE

Sumner H. McAllister, Lafayette, Calif., and Chester C. Crawford, Bartlesville, Okla., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application May 16, 1942, Serial No. 443,269
9 Claims. (Cl. 260—666)



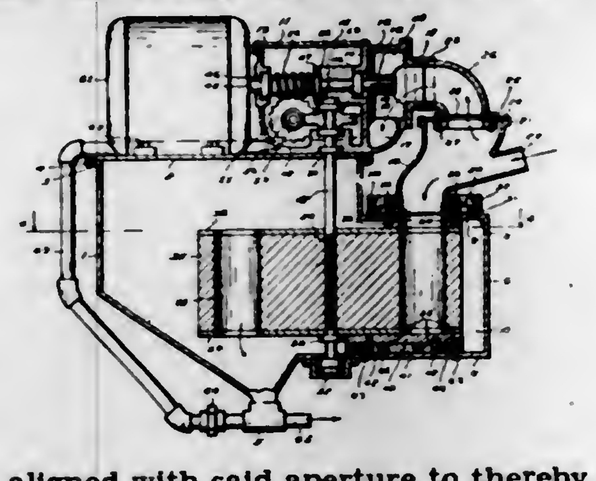
9. The process for the production of a high octane paraffinic hydrocarbon fraction from a mixture of saturated hydrocarbons comprising normal hexane and methylcyclopentane which comprises contacting the hydrocarbon mixture with a mild isomerization catalyst comprising aluminum halide in a first conversion zone under sufficiently mild isomerization conditions to effect the conversion of methylcyclopentane to cyclohexane as the predominating reaction, separating naphthenes comprising cyclohexane from the hydrocarbon mixture after the mild isomerization treatment, and contacting the remaining hydrocarbons comprising normal hexane with a more active aluminum halide-containing isomerization catalyst in a second conversion zone under paraffin isomerizing conditions, thereby converting the remaining hydrocarbons to a high octane paraffinic hydrocarbon fraction comprising branched chain hexanes.

2,417,700

UNLOADING AND LOADING APPARATUS

Everett B. McCarty, Alton, Ill.
Application January 20, 1945, Serial No. 573,658
2 Claims. (Cl. 302—23)

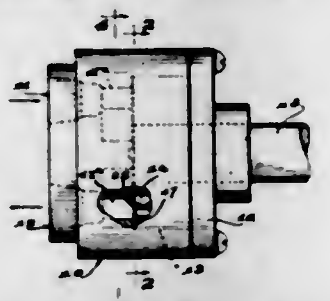
1. Unloading and loading apparatus comprising a hopper having a side extension forming a loading chamber provided with a top inlet aperture, a rotatable hopper-loading drum disposed in said hopper to project peripherally into said chamber and having a circular concentric series of vertical bores therein adapted to be revolved successively into vertical alignment with said aperture by rotation of said drum, means in said chamber for closing the bottom of each bore when aligned with said aperture to thereby form a pocket out of the aperture, suction means operative to supply material to be unloaded to said aperture to fall into said pocket and be carried by rotation of the drum into the hopper, and means to discharge material from the bottom of the hopper under air pressure from said suction means.



2,417,701

COMPENSATING DEVICE FOR ROTARY PUMPS

John B. Parsons, Toledo, Ohio
Application July 17, 1944, Serial No. 545,214
2 Claims. (Cl. 103—126)



1. Compensating device for a pump having mating toothed pump rotor members arranged one within the other and fluid inlet and outlet ports associated therewith, comprising a relatively thin disc of spring metal abutting one end of said pump rotor parts to provide a bearing therefor, said disc having in an outlet port overlying the pump outlet port, the trailing edge of said disc outlet port being advanced relative to the pump outlet port and with respect to the direction of rotation of the pump rotor members to form a valve-like portion adapted to flex in response to differences in fluid pressure in the adjacent portion of the pump and in the discharge line, and means clamping the peripheral portion of said disc throughout the circumference thereof to hold same from flexing movement.

2,417,702

ELECTRICAL CONTACT BRUSH

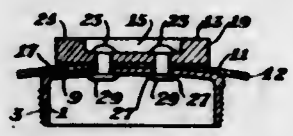
Dimiter Ramadanoff, Cleveland, Ohio, assignor to National Carbon Company, Inc., a corporation of New York
No Drawing. Application February 11, 1943, Serial No. 475,523
4 Claims. (Cl. 171—325)

1. Electrical contact brush comprising material selected from the group consisting of carbon and mixtures of carbon with metal, and a minor proportion of an impregnant material acting to prolong the life of such brush when operating in sliding contact with copper in a dry atmosphere, said last-mentioned material being selected from the group consisting of chromic anhydride and soluble salts thereof.

2,417,703

SEALING SCREW CLOSURE

Thomas H. Risk, Franklin, Mich.
Application March 19, 1945, Serial No. 583,596
5 Claims. (Cl. 220—39)

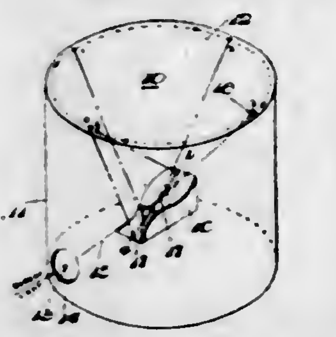


1. A closure comprising a threaded plug, a spring plate and a nut fastened together as a unit adjacent the centers thereof in face contacting relation with the plate between said plug and nut, the peripheral unfastened portion of the plate being normally in spaced relation to the nut throughout the peripheral portion of the nut, said spring plate having a circular periphery extending beyond the periphery of said plug a sufficient distance to form a solid edge portion to accommodate a gasket thereunder, the peripheral portion of said plate sloping away from the nut toward the plug, said nut having a lower edge portion extending below the center of the upper face of the plate and being adapted to contact said plate in operative position as a result of said plate being flexed upwardly against said lower edge of said nut, the relation between the said peripheral portion of said plate and said lower edge portion of said nut being such as to prevent said plate from going over center when in operative position.

2,417,704

SYSTEM FOR USING THE SCANNING BEAM OF LIGHT FOR INSTRUMENTS

Gregory V. Rylsky, Ridgefield Park, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application July 12, 1943, Serial No. 494,376
8 Claims. (Cl. 88—24)



4. The combination in an indicating instrument having a transparent calibrated dial together with means including a light source for providing a restricted beam of light, of a scale on said dial having units of indication at different radii from a common center point of said dial, a reflector arranged in the path of said beam and having a helical reflecting surface so formed as to produce reflection and rotation of said beam upon said scale in accordance with the condition to which said indicating instrument is responsive.

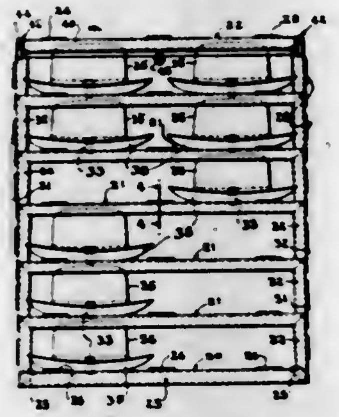
2,417,705

SHIPPING AND DISPLAY CASE

John E. Sacks, Brooklyn, N. Y., assignor to The Frank H. Lee Company, Danbury, Conn., a corporation of Connecticut

Application October 20, 1943, Serial No. 507,005

5 Claims. (Cl. 206—8)



1. A shelf section for a shipping and display container comprising a central rectangular portion, reinforcing ribs of triangular cross-section at the front and rear edges of said central portion, depending flanges at the side edges thereof, reinforcing ribs of generally triangular cross-section at the front and rear edges of each of said depending flanges, said reinforcing ribs terminating short of the free ends of the flanges whereby the ribs are adapted to seat upon the central portion of a similar shelf with the lower edges of the flanges overlying the upper edges of similar flanges on said next lower shelf, said central portion being provided with a plurality of holes and slots immediately adjacent the periphery of said holes, said slots being adapted to the insertion of means for holding an article of merchandise to the shelf.

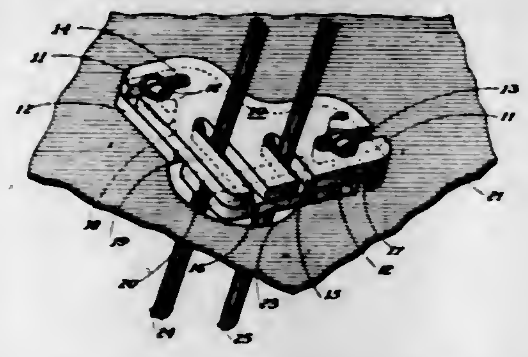
2,417,706

ADJUSTABLE FAIRLEAD

William M. Scarborough, Overland, Mo., assignor to Curtiss-Wright Corporation, a corporation of Delaware

Application December 23, 1943, Serial No. 515,341

10 Claims. (Cl. 254—190)



8. An adjustable fairlead for cables comprising a slotted flat plate element having a pair of oppositely extending but laterally spaced parallel attachment slots opening upon edges of said element and cable guide slots extending normal to said attachment slots and open to an edge of said element, and a second slotted plate element disposed, with respect to said first plate element, in a position such that certain of its slots intersect certain attachment slots of said first element whereby said intersecting slots form adjustably aligned apertures for the accommodation of attachment devices and another of said slots intersects said cable guide slots to form adjustably aligned apertures for guiding the cables, the said direction, extension, intersection and lateral spacing of said slots being defined within the plane of contact of said flat elements.

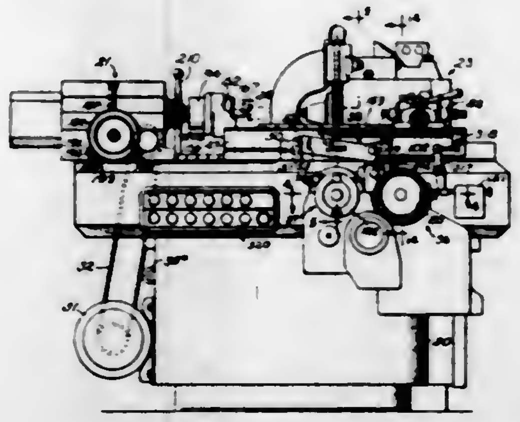
2,417,707

AUTOMATIC THREAD GRINDING MACHINE

Harold N. Seyferth, East Detroit, and Gordon H. Cork, Detroit, Mich., assignors to Ex-Cell-O Corporation, Detroit, Mich., a corporation of Michigan

Application December 30, 1941, Serial No. 424,984

15 Claims. (Cl. 51—95)



1. In a grinding machine, in combination, a base, a work support on said base, a rotary spindle supporting a grinding wheel for cutting engagement with the work, means for effecting relative reciprocation back and forth in successive passes between said support and said wheel, means for driving said spindle and being automatically operable in response to said reciprocation to vary the peripheral speed of rotation of said spindle for grinding at different speeds as the grinding progresses, and means automatically operable in timed relation to said reciprocation to effect a normal relative cross feed between said support and said wheel both before and after variation in the speed of rotation of said spindle.

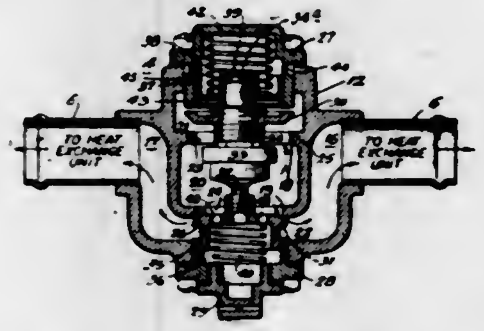
2,417,708

SURGE VALVE MECHANISM

Joe C. Shaw, Racine, Wis., assignor to Young Radiator Company, a corporation of Wisconsin

Application November 19, 1943, Serial No. 510,869

4 Claims. (Cl. 236—34)



1. A valve mechanism of the class described comprising, a housing interiorly partitioned to provide a central chamber with which is connected an inlet and wherefrom leads a pair of axially aligned and spaced valve openings communicating with separate housing outlets, a pair of piston-cylinder means arranged in said housing on opposite sides of said chamber in axial alignment with said outlet openings, one of said piston-cylinder means having the diameter of the cylinder different from the diameter of the adjacent valve opening and the other of said piston-cylinder means having the diameter of the cylinder equal to the diameter of the adjacent valve opening, thermostatic means interposed between the pistons of the respective piston-cylinder means so as to be subject to the temperature of the fluid flow through said chamber, valve members for said valve openings connected to said thermostatic means on opposite sides of said chamber and so positioned relative to each other and to said openings that when shifted by said thermostatic means said valves tend to direct the flow of fluid from said central chamber entirely through one or the other or simultaneously through both of said valve openings, resilient means associated with said pistons so as to oppositely react against the expansive action of said thermostatic means, and means providing communication between said housing chamber and both of said piston-cylinder means rearwardly of the respective pistons whereby the valve closing the valve opening adjacent said one piston-cylinder means may be affected also by fluid pressures in said central chamber.

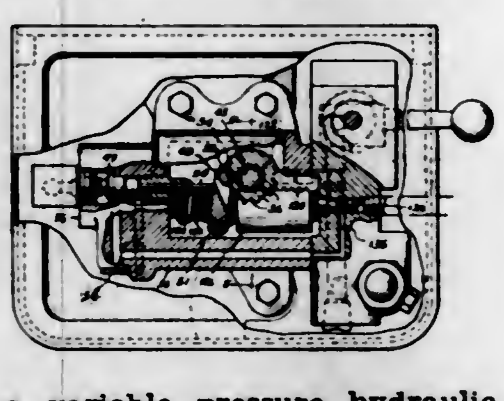
2,417,709

FLUID CONTROL VALVE

Joseph J. Slomer, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois

Original application January 14, 1944, Serial No. 518,245. Divided and this application March 3, 1945, Serial No. 580,769

4 Claims. (Cl. 303—54)



1. In a variable pressure hydraulic control valve, a valve sleeve, a substantially balanced valve piston slidably movable within said valve sleeve, a spring engaging one end of said piston, means operable to displace said spring in one direction, to move said valve piston to open for the discharge of fluid from one end of said valve sleeve and to permit said valve piston to move in an opposite direction against said spring, effected by fluid pressure on said valve piston, to permit said valve piston to move to a position to permit the discharge of fluid from the opposite end of said valve sleeve, a pressure passageway in said sleeve permitting fluid under pressure to enter said sleeve intermediate the ends thereof, said piston being provided with a plurality of spaced lands throughout its length providing a multiplicity of laps to permit the discharge of fluid under pressure from one end of said sleeve when said piston is moved in one direction by displacement of said spring and to permit the release of fluid from the other end of said sleeve when said piston is moved in an opposite direction by fluid pressure moving said valve piston against said spring, to reduce the lap and amount of movement of said piston for opening or closing said valve.

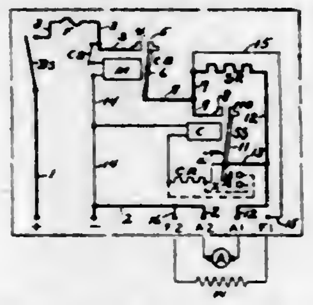
2,417,710

STARTER FOR ELECTRIC MOTORS

Edward P. Smith, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey

Application February 2, 1944, Serial No. 521,003

27 Claims. (Cl. 172—288)



26. An automatic starter for an electric motor having an armature, comprising, a starting resistance, arranged to radiate heat and prevent a rush of starting current through the motor armature, a switch for shunting the starting resistance, the said switch including current responsive means to operate the switch to its closed position, control means having a negative coefficient of resistance associated with the current responsive means to effect a gradual increase of current through said current responsive means until sufficient to effect operation of the switch to shunt out at least a portion of the resistance, the control means positioned adjacent the starting resistance to be affected by the heat radiated therefrom and thereby effect a decrease in its resistance and a corresponding increase in current flow through the current responsive means.

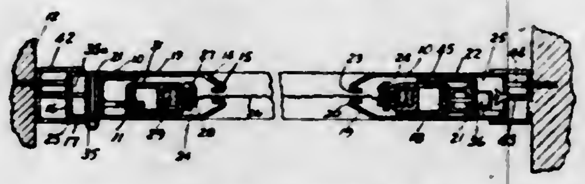
2,417,711

DETENTION SCREEN

Frank R. E. Smith and Leon E. Willett, Detroit, Mich., assignors to Chamberlin Company of America, Detroit, Mich., a corporation of Michigan

Application March 19, 1945, Serial No. 583,476

4 Claims. (Cl. 160—353)



1. A screen of the character described, comprising a frame consisting of inner and outer units each of open rectangular form and including top, bottom and side members, hinge means mounted on and pivotally connecting said units on an axis extending lengthwise of one of said members, said units being spaced apart to provide a cavity between them, a screen panel, and means mounted upon said inner unit and enclosed within said cavity for supporting the edges of said panel, the outer unit being securable in a window opening, and the inner unit carrying the screen panel being swingable on the hinge axis to open position to expose the panel support.

2,417,712

SIGNAL TRANSLATING APPARATUS

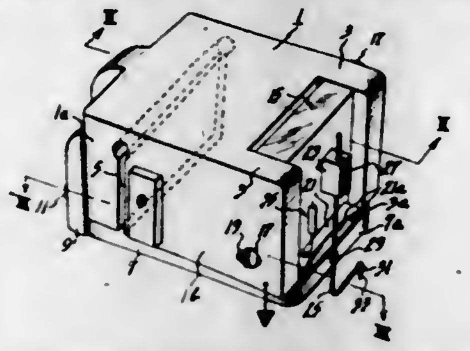
René Snepvangers, Haddon Heights, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application November 18, 1944, Serial No. 564,145

9 Claims. (Cl. 179—100.41)

1. In a signal translating device, a pair of relatively movable, conductive members having an

air gap therebetween whereby they are spaced from each other to constitute a capacitor, one of said members having a normally curved surface facing the proximate surface of the other of said members, and said members being so constructed and arranged that, during relative motion therebetween, said surfaces will at times have shapes which have a non-complemental relation and at other times will have shapes which tend to approach a complemental relation.



2,417,713

PRODUCTION OF GELATIN LAYERS

Oswald Stein, Watford, England, assignor to Ilford Limited, Ilford, England, a British company

No Drawing. Application February 17, 1941, Serial No. 379,357. In Great Britain March 19, 1940

10 Claims. (Cl. 95—5.6)

1. Process for the preparation of gelatin layers in gel form which comprises coating the emulsion surface of a photographic, element carrying a silver image, at room temperature, with an aqueous solution of gelatin containing a water-soluble gelatin liquefying substance in such amount that the solution is in liquid form at room temperature, thereafter treating the liquid layer to stop the effect of such substance.

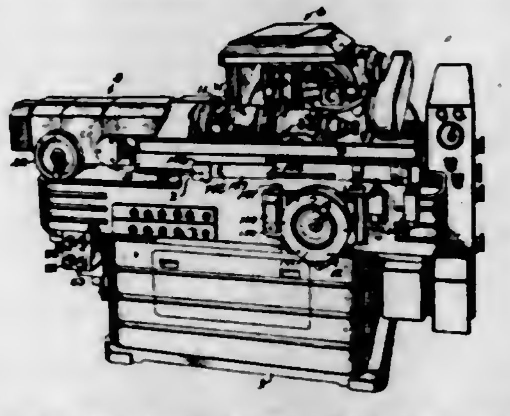
2,417,714

THREAD GRINDING MACHINE

Gilbert Stewart and Guenther Brinkmann, Detroit, and Harold N. Seyferth, East Detroit, Mich., assignors to Ex-Cell-O Corporation, Detroit, Mich., a corporation of Michigan

Application July 17, 1943, Serial No. 495,162

15 Claims. (Cl. 51—95)



8. A grinding machine comprising, in combination, a base, means for supporting a rotary spindle on said base, a slide mounted on said base for shifting movement transversely of the axis of said spindle, a cross feed screw operatively associated with said slide for axial shifting movement therewith and being rotatable to effect relative feeding movement thereof, means providing an adjustable anchor for said screw, a cross feed mechanism having an outlet drive shaft axially splined to said screw to permit relative axial movement thereof and operable to rotate said screw, and a plurality of independent means operable singly and conjointly to shift said anchor independently of said cross feed mechanism.

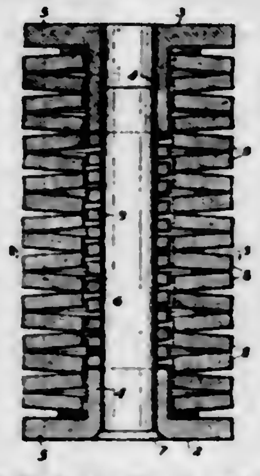
2,417,715

DISK SPRING ASSEMBLY

Howard John Stewart, Apollo, Pa., assignor to Union Spring and Manufacturing Co., New Kensington, Pa., a corporation of Pennsylvania

Application August 10, 1945, Serial No. 610,027

5 Claims. (Cl. 267—1)



1. A cambered disk spring assembly comprising opposed end members, one of which has an inwardly turned sleeve, a center post on the other member projecting into but only part-way through the sleeve, a helical spring fitted about the post and having an outside diameter equal to that of the said sleeve, and a plurality of cambered disks between the end members centered on the sleeve and spring.

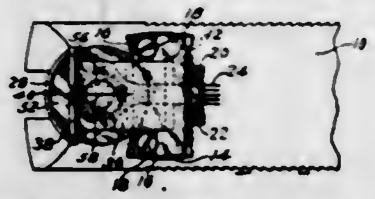
2,417,716

FIREARM SIGHT

William L. Swartz, West Hartford, Conn., assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn., a corporation of Connecticut

Application July 24, 1944, Serial No. 546,258

4 Claims. (Cl. 33—58)



1. A rear sight for a firearm comprising in combination, a base constructed and arranged to be fixed to a firearm and provided with a threaded aperture, a flexible U-shaped member having one leg fixed to said base and the other leg positioned above said one leg and aperture and the free end of said other leg being movable with respect to said one leg in a substantially vertical direction when the sight is in normal position, a threaded member rotatably mounted in said threaded aperture in said base, a disc-like means tiltably and non-rotatably connected to the upper end of said threaded member and disposed adjacent the under side of said other leg, said means when rotated in one direction slidably and parallelly engaging the under side of said other leg and rotating said threaded member in the same direction in said threaded aperture to elevate said means and the free outer end of said other leg and to lower said means and said outer end when said means is rotated in the opposite direction, and a sight member carried by said other leg adjacent the free end thereof.

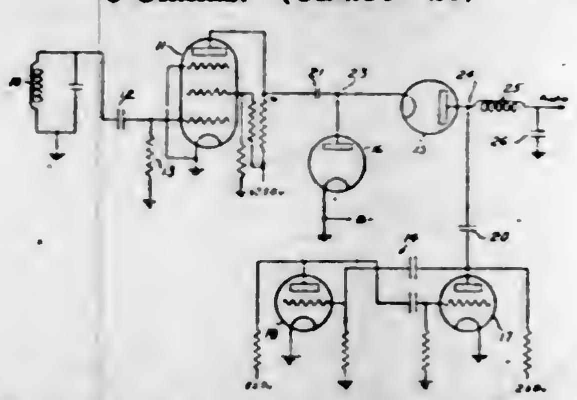
2,417,717

DETECTOR FOR FREQUENCY MODULATED SIGNALS

Joseph C. Tellier, Penn Wynne, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania

Application October 24, 1944, Serial No. 560,129

9 Claims. (Cl. 250—27)



1. In a detector of frequency modulated signals, in combination, means to convert said signals into square-topped signals of constant amplitude and of spacing inversely proportional to the frequency of the frequency modulated signals, a source of timing signals, and means for applying said square topped signals and said timing signals to an output circuit for producing therein a signal having an audio frequency component of magnitude proportional to the number of square topped impulses produced during each interval determined by said timing circuit.

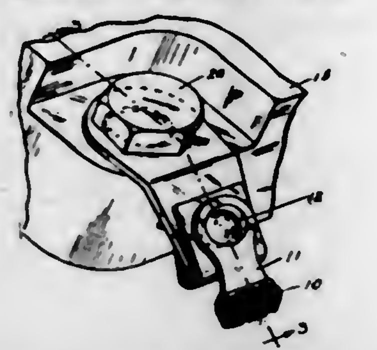
2,417,718

ELECTRICAL TERMINAL CONNECTION

George A. Tinnerman, Cleveland, Ohio, assignor to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio

Application November 27, 1943, Serial No. 511,984

1 Claim. (Cl. 173—324)



An electrical grounding device comprising a strip of metal having two openings respectively adjacent its opposite ends, one of said openings being adapted to receive a fastener for attaching the strip to a part to which the grounding connection is to be made, a separate U-shaped clip embracing said strip and overlapping the other opening thereof and having openings in each arm thereof registering with the last-mentioned opening in the strip, the material of said U-shaped clip being deformed about one of its openings to provide a projection receivable in the last mentioned opening in the strip to hold the clip in self-sustaining screw receiving position thereon, and one of said openings being deformed to constitute a thread engager whereby an electrical conductor having an opening may be attached by a single screw passing through the conductor and through both arms of the clip and through the strip, said screw holding the conductor in engagement with the clip and clamping the clip fixedly on the strip.

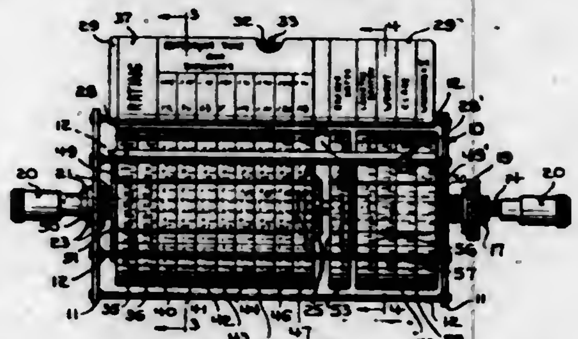
2,417,719

RACE HANDICAPPING DEVICE

William Wahrt, New York, N. Y.

Application February 16, 1945, Serial No. 578,340

5 Claims. (Cl. 235—79.5)



1. A race handicapping device, comprising a frame, a shaft turnably mounted through said frame for supporting a first group of individually and manually settable rollers, a tubular shaft turnably mounted on said shaft for supporting a second group of individually and manually settable rollers, means for connecting said shafts together for unitary rotation of said groups and disconnecting said shafts for individual rotation of said groups, a sighting bar mounted across said frame, a sliding guide on said sighting bar, said first group of rollers including a rating roller having peripheral divisions extending upwards and downwards from 100 representing a starting point and a set of reference, time and distance rollers adjustably connected with each other and with said rating roller for setting to par track records for the distance and time, said second group of rollers including a racing date roller and a set of rollers representing lengths beaten, weight, class, and percentage winnings fixedly connected with each other and adjustably connected with said racing date roller for daily adjustment of the date roller in relation to the other rollers, and a plate with markings mounted on said frame and extending across said rollers for identifying said rollers.

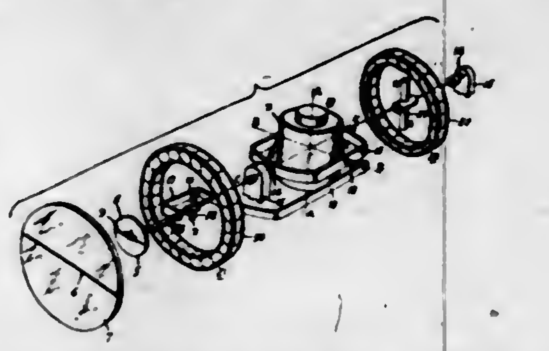
2,417,720

GYROSCOPIC ATTITUDE INDICATOR

Harry C. Wendt, Nahant, Mass., assignor to General Electric Company, a corporation of New York

Application April 3, 1945, Serial No. 586,340

1 Claim. (Cl. 33—204)



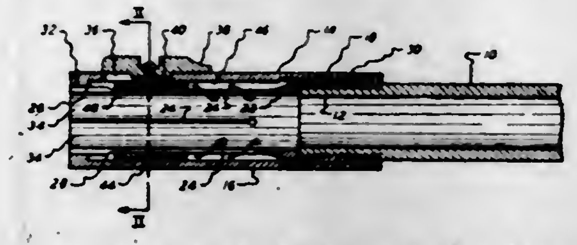
A gyroscopic attitude indicating device for aircraft comprising a casing, a gyroscope universally mounted in said casing so as to be free to rotate about pitch and roll axes, a supporting member mechanically connected to said gyroscope so as to move vertically relative to said casing in response to movement of said casing about said pitch axis, an electrical position-transmitting system comprising transmitter and receiver units, each of said units comprising a stationary annular stator core mounted on said casing having winding means thereon with polyphase connections and a rotor comprising a poled permanent magnet rotatable within said core, means for coupling the rotor magnet of said transmitter unit to said gyroscope so that it rotates relative to its associated stator in response to movement of said casing about said roll axis, means for rotatably mounting the rotor magnet of said receiver unit on said supporting member, the polyphase stator winding connections of said transmitter and receiver units being interconnected so that an angular displacement of the transmitter magnet causes a corresponding angular displacement of said receiver magnet, an indicator mechanically coupled to said receiver magnet and a stationary horizon reference line adjacent said indicator whereby the pitch and bank attitudes of said aircraft are indicated by the vertical displacement and rotation of said indicator relative to said horizon line the connections between the windings of said transmitter and receiver units being selected so that said indicator rotates relative to said stationary horizon line in the same sense that said aircraft rotates about said roll axis relative to the natural horizon.

2,417,721

AUTOMATIC VARIABLE CHOKE FOR GUN BARRELS

Kenneth Whedon, Jackson, Mich.

Application September 23, 1944, Serial No. 555,525
7 Claims. (Cl. 42—79)



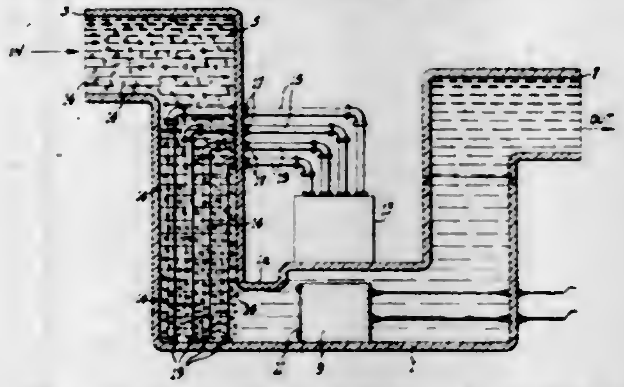
2. An automatic variable choke for a gun comprising a collet having a normally open position, axially movable collet closing means for restricting the passage in the choke, and means constituting an outer sleeve for confining and axially directing the pressure of explosion of the gun against said collet closing means to move the same from full open to full choke position, said collet closing means being within the outer sleeve.

2,417,722

PURIFICATION OF LIQUIDS BY SUBJECTING SUCCESSIVELY CONFINED PORTIONS OF SAID LIQUID TO SUPERSONIC VIBRATIONS AND SIMULTANEOUSLY BUBBLING OXYGEN THROUGH SAID CONFINED PORTIONS

Irving Wolff, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application July 31, 1942, Serial No. 452,988
2 Claims. (Cl. 210—1)



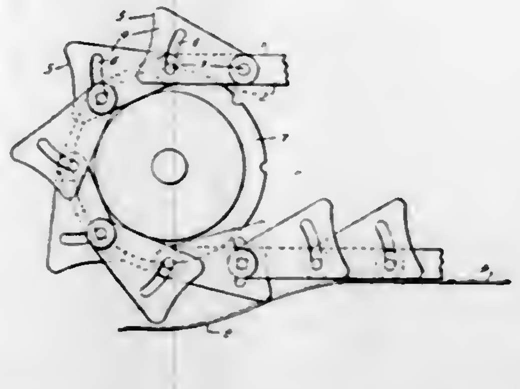
1. The method of sterilizing a liquid which comprises flowing said liquid in a continuous stream through a conduit, subjecting successively confined portions of said liquid in said conduit to supersonic vibrations, and simultaneously bubbling oxygen through said confined portions while said portions are being vibrated.

2,417,723

CHAIN CONVEYOR

Kjell Frederick Wrangell, Ottawa, Ontario, Canada

Application June 1, 1945, Serial No. 597,109
6 Claims. (Cl. 198—200)



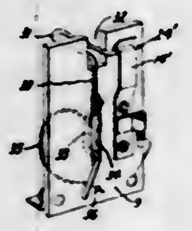
1. A conveyor attachment for a chain having a plurality of links comprising a plate having plane lateral edges, a stock engaging extremity at one end thereof of considerably greater height than that of said links, a pin-engaging arcuate slot adjacent said end and extending from a point spaced from one of said lateral edges to a point equidistantly spaced from the other lateral edge, and a pin-receiving circular opening adjacent the other end thereof.

2,417,724

APPARATUS FOR STARTING DISCHARGE LAMPS

William R. Young and Prescott K. Turner, Fairfield, Conn., assignors to General Electric Company, a corporation of New York

Application July 1, 1943, Serial No. 493,004
3 Claims. (Cl. 200—113.5)



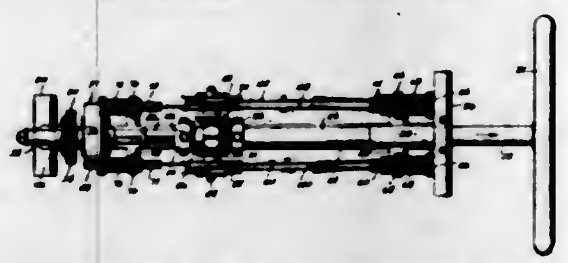
1. In apparatus for starting a fluorescent lamp including a starting switch, a switch for interrupting the circuit to said starting switch comprising an insulating supporting plate, a bimetallic contact strip secured at one end to said plate and having a latch at its other end, a resilient contact member carried by said plate and forming a loop intermediate its ends, said resilient member being under tension tending to maintain one end thereof continuously in contact with said plate, and a push button arranged to engage said loop for deflecting said one end causing it to slide on said plate and to engage and be retained by said latch.

2,417,725

COMBINED FLIGHT AND GROUND CONTROL FOR AIRPLANES

Daniel R. Zuck, San Diego, Calif.

Application November 22, 1941, Serial No. 420,094
8 Claims. (Cl. 244—83)



1. A combined flight and ground control for airplanes comprising: a rotatable shaft, means transmitting rotary motion of said shaft to one or more ground wheels for steering same, manually operated means to rotate said shaft including a sleeve slidably but non-rotatably mounted on said shaft, oscillatable members mounted on said sleeve transmitting a simple sliding motion of said sleeve to operate flight control surfaces with identical movements, and means to oppositely rotate said oscillatable members to oppositely operate said flight control surfaces.

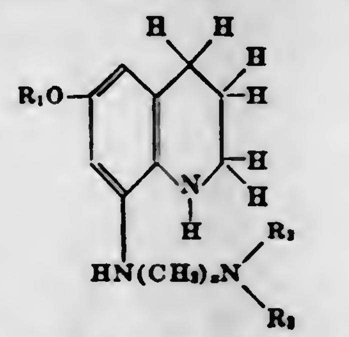
2,417,726

1,2,3,4-TETRAHYDRO-6-ALKOXY-8-(OMEGA-DIALKYL-AMINO-ALKYL-AMINO) QUINOLINES AND METHOD FOR THEIR PREPARATION

Harry James Barber, Gidea Park, and William Robert Wragg, Cockfosters, England, assignors to May & Baker Limited, Dagenham, England, a British company

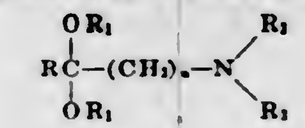
No Drawing. Application March 14, 1944, Serial No. 526,474. In Great Britain March 1, 1943
11 Claims. (Cl. 260—288)

1. A composition of matter represented by the formula:

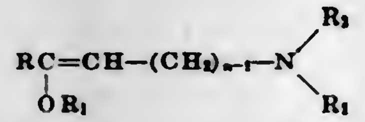


wherein R_1, R_2 and R_3 are of the class consisting of lower alkyl groups and x is an integer less than 10:

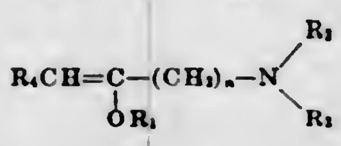
9. The process that comprises the step of reacting a 6-alkoxy-8-amino-quinoline with a substance selected from the class consisting of compounds of the formulae:



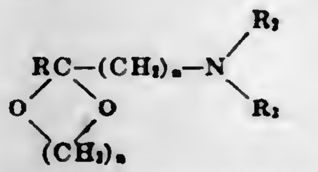
$$RC(OR_1)_2-(CH_2)_n-N(R_2)(R_3)$$



$$RC(OR_1)=CH-(CH_2)_{n-1}-N(R_2)(R_3)$$



$$R_4CH=C(OR_1)-(CH_2)_n-N(R_2)(R_3)$$



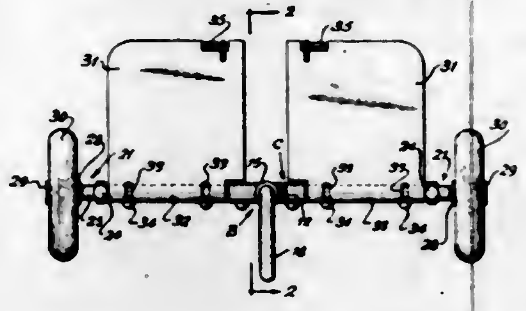
wherein R and R_4 are of the class consisting of lower alkyl and hydrogen, R_1, R_2, and R_3 are lower alkyl, and n is an integer more than 2 but less than 10; and reducing the reaction product to obtain a 1:2:3:4-tetrahydro-6-alkoxy-8-(omega-dialkylamino-alkylamino)-quinoline.

2,417,727

FOLDABLE GOLF BAG TRANSPORTING CART

John Batlle, Detroit, Mich.

Application April 3, 1945, Serial No. 586,369
9 Claims. (Cl. 280—36)



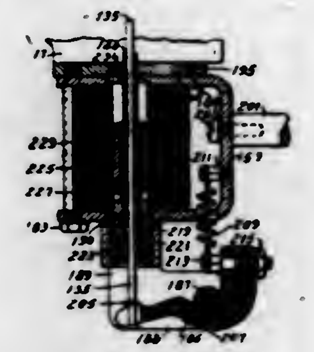
1. A golf bag caddie cart of the class described comprising a frame composed of companion foldable sections, wheels foldably mounted on the outer end of the respective sections, and push-pull handle means connected to said frame, said handle means being bodily detachable, and plates shiftably mounted on the frame sections.

2,417,728

CIRCUIT BREAKER

Albert H. Baylis, North Irwin, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 28, 1942, Serial No. 463,623
13 Claims. (Cl. 200—109)



4. In a circuit breaker comprising relatively movable contacts and operating mechanism therefor, a trip device including a trip member operable to effect operation of said operating mechanism to open said contacts, an electromagnet having an armature movable upon energization of said electromagnet to operate said trip member, a secondary armature movable with said armature but without opposing movement of said armature upon energization of said electromagnet, and resilient means providing a magnetic air gap between said armature and said secondary armature, said secondary armature acting in response to and only during the existence of sudden jarring forces to prevent said armature from operating said trip member.

2,417,729

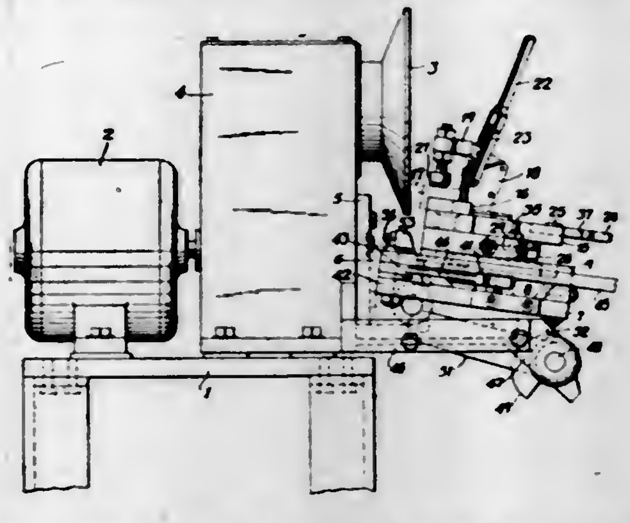
GRINDING MACHINE

Ralph L. Bazley, Jackson Heights, N. Y., assignor to Square D Company, Detroit, Mich., a corporation of Michigan

Application October 5, 1944, Serial No. 557,261
4 Claims. (Cl. 51—122)

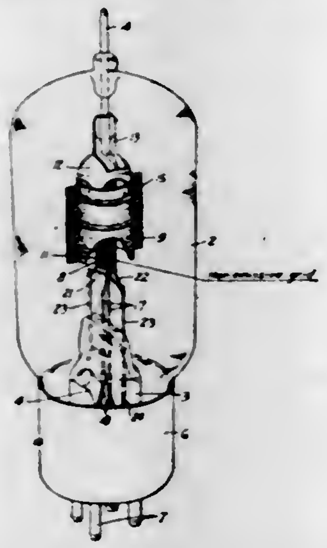
2. In a machine for grinding plane surfaces on a workpiece in predetermined angular relationship, a grinding wheel having a radial, planar, grinding face, means for rotating said wheel

about an axis perpendicular to said grinding face, a platform movable toward and away from said wheel, a slide on said platform reciprocable in opposite directions parallel to the plane of said grinding face, a workholder on said slide, means for moving said platform to place the work into and out of association with said grinding face, means on said slide indexing said workholder in positions of predetermined angular relationship including stops adjustable to maintain said relationship, and means for locking said workholder in its indexed positions including cooperating elements on said workholder and slide, one of said elements comprising a latch hook and the other a latch pin adjustably mounted to insure locking in the indexed position.



2,417,730
ELECTRON TUBE AND METHOD OF MAKING SAME

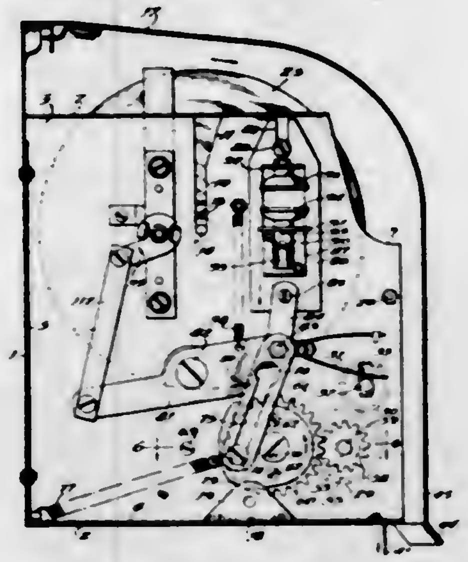
George A. Becker, San Bruno, Calif., assignor to Eitel-McCullough, Inc., San Bruno, Calif., a corporation of California
Original application November 30, 1942, Serial No. 467,455. Divided and this application September 6, 1944, Serial No. 553,133
1 Claim. (Cl. 250—177)



The method of making an electron tube having a cathode and another electrode within an envelope, which comprises coating said other electrode with finely divided particles containing a mixture of refractory metal oxides, heating the coated electrode in vacuum to effect at least a partial reduction of the mixture, mounting the cathode and coated electrode in the envelope, evacuating the envelope, and heating the coated electrode while within the envelope by bombardment with electrons from the cathode.

2,417,731
DISPENSING APPARATUS

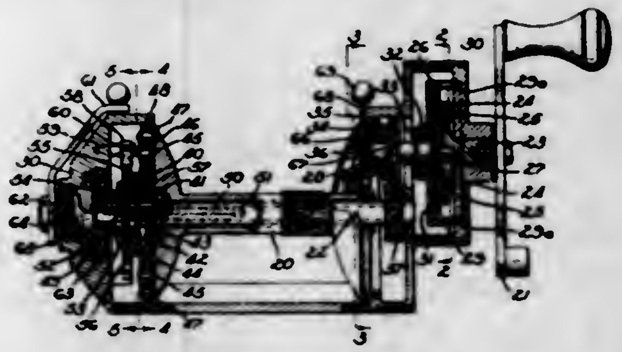
Rudolph G. Birr, Lombard, Ill., assignor to Steiner Sales Company, Salt Lake City, Utah, a corporation of Utah
Original application July 14, 1944, Serial No. 544,919. Divided and this application June 20, 1945, Serial No. 600,624
16 Claims. (Cl. 271—2.3)



10. A device for dispensing sheet material comprising, a measuring roll, first and second meshing gears, the first attached to the roll and the second having a first stop, a second stop engageable by the first stop, means for automatically moving the second stop away from the first stop, a timer, means operable by the second gear for moving the second stop into the path of the first stop and simultaneously setting the timer, the timer being adapted thereafter to prevent separation of the stops until the end of the time period, said means including a pin movable with the second gear, and means acting on the pin to automatically move the second gear after the stops are released and in a direction which will operate the measuring roll to feed a length of material to a position accessible to the user.

2,417,732
FISHING REEL MECHANISM

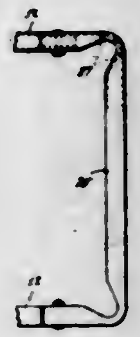
Reginald Bland and Reginald Barrett Bland, Pasadena, Calif.
Application February 14, 1939, Serial No. 256,396
27 Claims. (Cl. 242—84.1)



1. In combination in a fishing reel: a driving crank; a driven spool; power transmission means interposed between said driving crank and driven spool for transmitting torque from said driving crank to said driven spool, said transmission means being selectively disposable to provide a high speed drive and a low speed drive; and control means responsive to the torque on said driven spool and including operative connections to said power transmission means to selectively dispose the transmission means in low speed drive when said control means is actuated by relatively high torque and in high speed drive when the control means is actuated by relatively low torque whereby said driven spool is automatically driven at low speed under heavy loads and high speed under light loads.

2,417,733
CHAIR SUPPORTING STRUCTURE

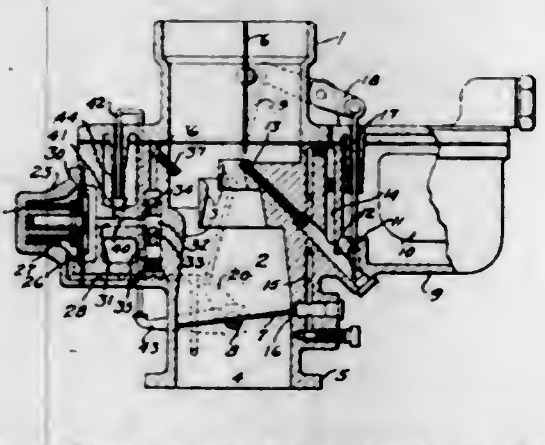
Earl C. Booth, Columbus, Ind., assignor to Noblitt-Sparks Industries, Inc., Columbus, Ind., a corporation of Indiana
Application August 31, 1944, Serial No. 552,142
9 Claims. (Cl. 155—194)



1. In a chair, a supporting structure having a base portion including two horizontal tubular members disposed in generally parallel relationship at the sides of the chair and a transverse stretcher, said members and stretcher being of circular cross-section, said tubular members being provided with bends which bring their ends into alinement with each other and said stretcher being telescopically associated with and secured to said alined member-ends, the wall of each tubular member on the inside of the bend therein being displaced outwardly into contact with the tube-wall on the outside of the bend, the two contacting tube walls being curved in cross-section with the radius of curvature of the outer surface of the outer tube-wall conforming substantially to the radius of the undistorted outer surface of the tube-wall.

2,417,734
CARBURETOR

Harold A. Carlson, University City, and Olin J. Eickmann, Normandy, Mo., assignors to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application August 11, 1943, Serial No. 498,440
3 Claims. (Cl. 261—34)



1. In a carburetor for an internal combustion engine, an intake conduit, a throttle therein, a fuel chamber, an accelerator pump having a suction responsive element operable in the charging direction in response to intake suction posterior to said throttle, said suction responsive element being movable to fully charged position responsive to suction substantially higher than the suction at normal idling, inlet and outlet ports for said pump, inlet and outlet check valve controlling said ports, a fuel pressure chamber connecting the pump with said ports, an outlet passage connected to the outlet port of said pump and discharging into said intake conduit at a point anterior to said throttle valve, a vent in the upper wall of said pressure chamber discharging into said fuel chamber, a valve for normally closing the vent, and means for opening the valve in said vent by said throttle as said throttle approaches its closed position to prevent the discharge of the fuel in the pressure chamber into said intake conduit after said throttle is closed.

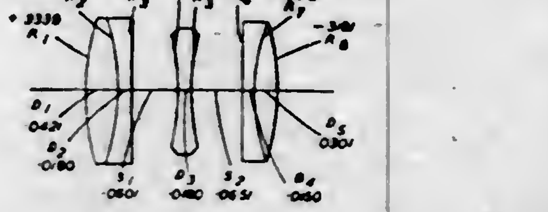
2,417,735
METHOD OF CHROMING DYESTUFFS WITH ORTHO HYDROXY CARBOXYLIC ACID CHROMIUM COMPLEXES

Achille Conzetti, Basel, and Otto Schmid, Muttenz, near Basel, Switzerland, assignors to J. R. Geigy A. G., Basel, Switzerland, a Swiss firm
No Drawing. Application July 31, 1942, Serial No. 453,132. In Switzerland October 15, 1941
10 Claims. (Cl. 260—145)

1. Process for chroming dyestuffs capable of being chromed and free from sulfonic acid groups consisting in chroming such a dyestuff in an aqueous medium at a raised temperature with a complex chromium compound of a member selected from the group consisting of the aromatic o-hydroxycarboxylic acids of the benzene and naphthalene series, using at least one atom of chromium for each mordant group of the dyestuff capable of being chromed.

2,417,736
OPTICAL OBJECTIVE

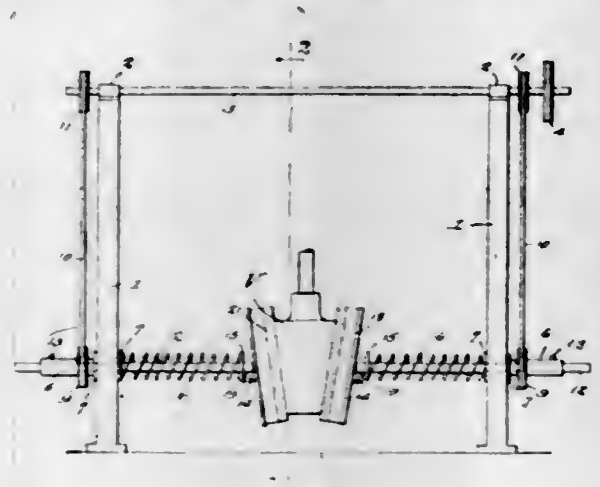
Arthur Cox, Leicester, England, assignor to Taylor, Taylor & Hobson Limited, Leicester, England, a company of Great Britain
Application May 19, 1944, Serial No. 536,375
In Great Britain April 12, 1943
16 Claims. (Cl. 88—57)



1. An optical objective, corrected for spherical and chromatic aberrations, coma, astigmatism, field curvature and distortion, and comprising a simple divergent component, and two compound convergent components located one on each side of such divergent component and each consisting of a biconvex convergent element cemented to a divergent element made of a material having lower mean refractive index and lower Abbé V number than that of the associated convergent element, the two cemented surfaces each being convex towards the middle component, the radius of curvature of the cemented surface in the front component lying between .25 and .40 times the equivalent focal length of the objective, whilst the difference between the refractive indices of

the materials on either side of such surface is not less than .055, the Petzval sum of the objective being not greater than .185 times the equivalent power of the objective, while the numerical sum of the radii of curvature of the two surfaces of the divergent middle component lies between .60 and .80 times the equivalent focal length of the objective.

2,417,737
GRINDER FOR GATE VALVE INSERTS
Lide Crocker Culp, El Dorado, Ark.
Application June 19, 1945, Serial No. 600,296
1 Claim. (Cl. 51—111)



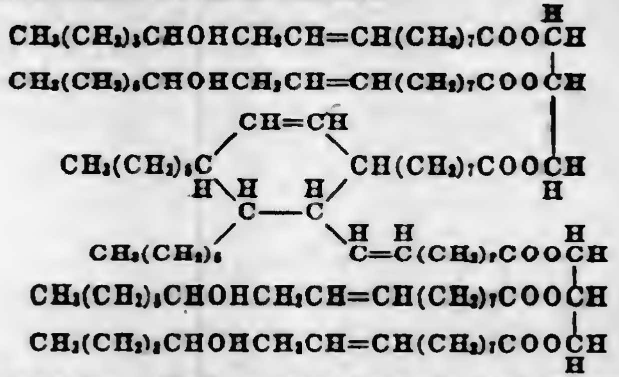
Apparatus for grinding tapered valves, including co-axial shafts spaced apart, means for simultaneously rotating the shafts in the same direction, tapered ends on the shafts, discs formed with tapered seats, mountable on the shafts, said tapered ends on the shafts being loosely receivable in the seats in the discs, whereby the discs may wobble relative to the shafts, grinding elements on the discs, said discs being additionally formed with recesses spaced from the tapered seats therein, angular fingers on the shafts loosely receivable in the recesses, whereby rotation of the shafts will rotate the discs, and yielding means for pressing the shafts and discs toward each other.

2,417,738
PROCESS FOR BREAKING PETROLEUM EMULSIONS
Melvin De Groote, University City, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Application July 13, 1945, Serial No. 604,990
8 Claims. (Cl. 252—340)

1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of an acidic partial ester derived by reaction between a polycarboxy acid and dimerized 9,11-linolodiricinolein.

2,417,739
PROCESS FOR BREAKING PETROLEUM EMULSIONS
Melvin De Groote, University City, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Application July 13, 1945, Serial No. 604,991
6 Claims. (Cl. 252—340)

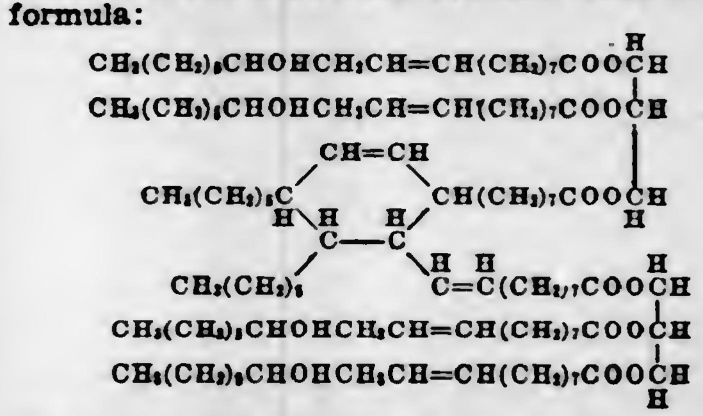
1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of drastically-oxidized dimer of the formula:



said drastic oxidation being conducted by means of an oxygen-containing gas.

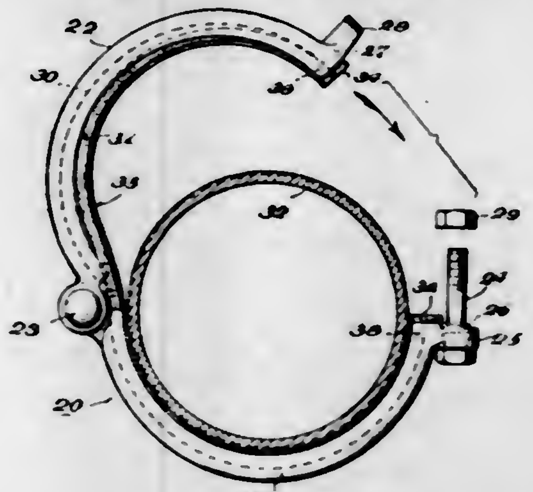
2,417,740
PROCESS FOR BREAKING PETROLEUM EMULSIONS
Melvin De Groote, University City, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Application July 13, 1945, Serial No. 604,992
6 Claims. (Cl. 252—340)

1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a hydroxyacetylated and drastically-oxidized dimer of the formula:



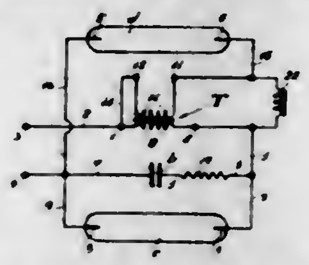
said drastic oxidation being conducted by means of an oxygen-containing gas.

2,417,741
SPLIT PACKING RING COUPLING
Stephen V. Dillon, Tulsa, Okla., assignor to Hanlon-Waters, Division of General Finance Corporation, a corporation of Michigan
Application June 24, 1943, Serial No. 492,110
3 Claims. (Cl. 285—194)



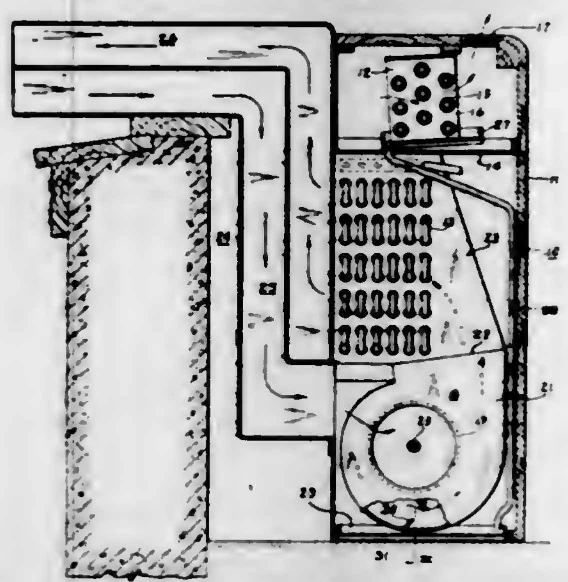
1. A device of the character described comprising a transversely split ring-shaped one-piece elastic gasket designed to embrace piping, and a sectional annular housing surrounding the gasket and having sections arranged end to end and adapted to engage the end portions of the gasket and force them toward one another, the portion of the gasket between its end portions being free to slide relatively to the housing, and the end portions of the gasket being provided with shoulders forming abutments for the housing.

2,417,742
CIRCUIT FOR GASEOUS DISCHARGE TUBES
Italo Romano Dosio, Buenos Aires, Argentina, assignor to Ben Ruzin Rand, Buenos Aires, Argentina
Application August 9, 1944, Serial No. 548,677
In Argentina August 24, 1943
4 Claims. (Cl. 315—228)



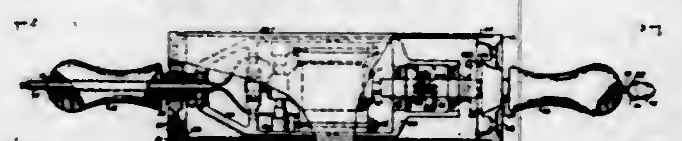
1. A circuit for gaseous discharge tubes, comprising a source of alternating current, an inductor and a capacitor connected in a series resonant circuit and a main gaseous discharge tube connected in parallel with said capacitor, said inductor being constituted by the primary winding of a transformer the secondary winding of which is directly connected to one input terminal of the circuit while the other extreme of said secondary winding is connected to one discharge electrode of a secondary gaseous discharge tube, the other discharge electrode of which is connected to the other input terminal of the said series resonant circuit.

2,417,743
AIR CONDITIONING APPARATUS
Arthur H. Eberhart, Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 16, 1941, Serial No. 402,601
10 Claims. (Cl. 261—78)



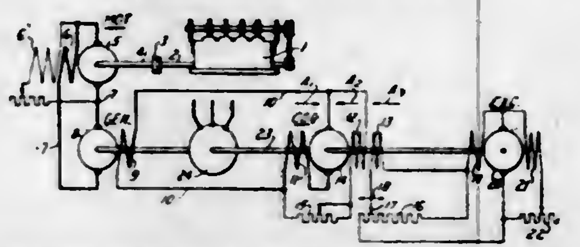
1. In a liquid-atomizing device, the combination of means for retaining liquid, said retaining means having an imperforate bottom, means effecting flow of a stream of air at a substantial velocity above the liquid in said retaining means, a strip extending upwardly from the liquid in said retaining means and transversely of said air stream in such manner as to create a suction or reduced pressure on the downstream side of said strip whereby liquid is drawn upwardly from said retaining means and entrained in said air stream, said stream of air flowing on opposite sides of said strip.

2,417,744
VIBRATORY MASSAGE DEVICE
Jack Eldredge and Joseph F. Novak, Cleveland, Ohio
Application October 10, 1945, Serial No. 621,480
3 Claims. (Cl. 128—57)



1. A vibratory massage device, comprising in combination, a motor member including a cam and a frame portion, the said frame portion having aligned end shafts and handles, a case member surrounding the motor member and having end ring portions slideable and rotatable on the end shafts between the said handles, one of the said end ring portions having a grooved flange thereon, and an oscillating means movably mounted on the frame portion and having a cam follower engageable with the cam and the grooved flange and being capable of vibrating the case member.

2,417,745
QUICK RESPONSE CONTROL SYSTEM FOR DYNAMOMETERS
Russell L. Findley, Detroit, Mich., and Jay R. Wrathall, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 26, 1943, Serial No. 484,542
1 Claim. (Cl. 73—116)



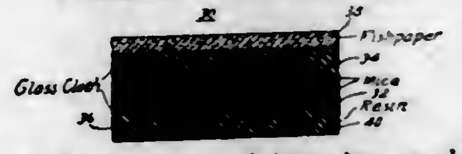
A dynamometric loading device for testing engines, comprising an electric direct current machine, means for mechanically connecting said machine with the engine to be tested, a main direct current generator having an armature electrically connected to said machine, said main generator having a field winding to coact with said armature, a control generator having an armature circuit connected to said main generator field winding and three control field windings for controlling the voltage in said armature circuit, two of said control field windings being disposed in differential relation to each other, one of said differential windings being series connected in said armature circuit and the other being connected in parallel to said main generator field winding so as to normally balance the effect of said first differential winding on said armature of said control generator, a constant voltage source connected with the third of said control field windings, control means disposed between said third control field winding and said source for adjusting the energization of said latter winding, and means for driving said main generator armature and said control generator armature at constant speed.

2,417,746
SLOT INSULATION

Paul E. Fletcher, Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application April 26, 1944, Serial No. 532,905

1 Claim. (Cl. 171—206)



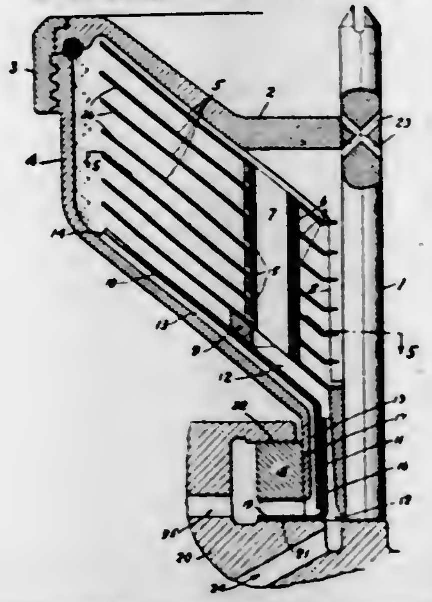
A slot-cell liner comprising, in combination, a length of insulating material folded into an open topped configuration, the open top providing for receiving electrical conductors, the insulating material so formed that the slot-cell liner has a smooth, abrasion and tear resistant exterior, composed of a cellulosic sheet of the nature of fishpaper, a layer of mica flakes disposed inside the fishpaper, and glass cloth forming the interior of the cell liner for coming into contact with the electrical conductors, and a resinous binder impregnating and bonding the insulating material.

2,417,747
CENTRIFUGE FOR SEPARATING LIQUIDS FROM GASES AND HEAVY IMPURITIES

Alan E. Flowers, Poughkeepsie, N. Y., assignor to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey

Application April 23, 1943, Serial No. 484,197

3 Claims. (Cl. 233—29)



1. A centrifuge comprising a central driving spindle, a bowl carried thereby having a frustro-conical end, a cylindrical neck extending from said end and surrounding said spindle, a dividing disc extending parallel with said frustro-conical end and having an extension parallel with said neck and providing, on the outside of the dividing disc and extension, an outflow passage for purified liquid and, on its opposite side, an inflow passage for impure liquid, both said passages being concentric with the bowl, a plurality of like discs, spaced apart to form a liner within the bowl between the dividing disc and the other end of the bowl, a plurality of parallel tubes extending through the liner and adapted to receive impure liquid from said inflow passage and distribute it to the interdisc spaces, the inflow and outflow passages being of such large diameter relative to the minimum diameter of the discs that the liquid-free space in the center of the bowl is always of a diameter not substantially less than the minimum diameter of the discs, and a gas outlet leading from said liquid-free space through the central part of the bowl to the outside of the bowl.

2,417,748
PREPARATION OF METHYL ACRYLATE

Hugh J. Hagemeyer, Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application December 23, 1943, Serial No. 515,422

2 Claims. (Cl. 260—486)

1. A method of preparing methyl acrylate which comprises subjecting a mixture of ketene and methyl lactate to pyrolysis at a temperature of 400 to 600° C.

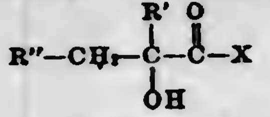
2,417,749
PREPARATION OF OLEFINIC NITRILES BY DEHYDRATION WITH ACETIC ANHYDRIDE

Hugh J. Hagemeyer, Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application December 23, 1943, Serial No. 515,423

3 Claims. (Cl. 260—464)

1. A method for producing an α,β-unsaturated nitrile which comprises pyrolyzing in the absence of a catalyst an acetic anhydride solution of a compound having the following formula:



$$\mathrm{R''{-}CH_2{-}\overset{R'}{\underset{OH}{C}}{-}\overset{O}{\overset{\|}{C}}{-}X}$$

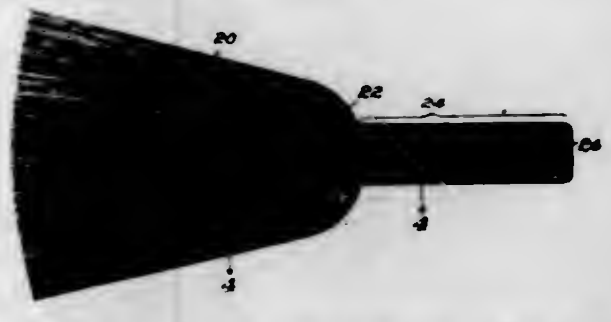
R′ and R″ being substituents selected from the group consisting of hydrogen and alkyl and X being a radical selected from the group consisting of NH_2 and ONH_4.

2,417,750
BRUSH AND ART OF MAKING SAME

Elisha W. Hall, Scituate, Mass.

Application October 14, 1943, Serial No. 506,148

4 Claims. (Cl. 15—159)



1. In a brush, the combination of a mass of individual bristles, and a holder therefor comprising a handle and a molded, adhesive plastic head in which one set of ends of said bristles are incorporated and held solely by the individual bristles being surrounded by the adhesive plastic, said head having two parallel walls extending from one edge to another edge, and said mass also extending from the first-named edge to the second-named edge between said walls and exposed at said edges.

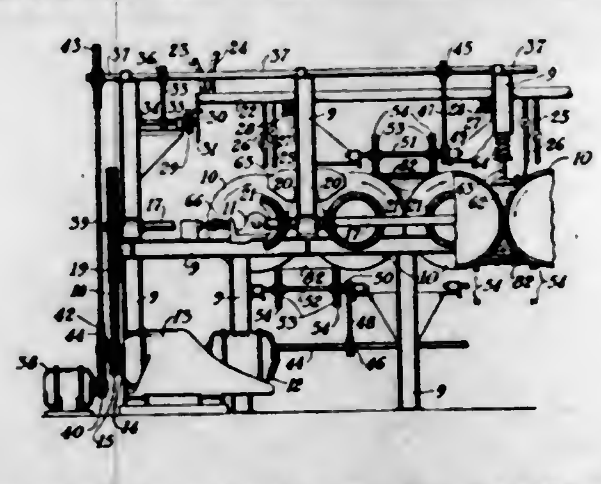
2,417,751
APPARATUS FOR MAKING FINE FIBERS

Alden W. Hanson, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

Application October 20, 1944, Serial No. 559,612

6 Claims. (Cl. 18—2.4)

3. In a machine for making fine fibers, the combination of a plurality of smooth cylindrical rollers disposed in face-to-face relation, tension means to force the rollers together and to form pressure zones between successive rollers, means for driving adjacent rollers in opposite directions; a feeding device for spreading a thin layer of viscid fiber-forming adherent liquid over the converging upper surfaces of pairs of the rollers, comprising a source of such liquid, a header to receive the liquid, disposed transversely of the rollers and movable longitudinally thereover, delivery tubes dependent from the header to deposit liquid on said converging surfaces, and a doctor blade disposed between the converging roller surfaces to control the amount of liquid admitted to the pressure zone; an endless flexible moving carrier disposed in the space between the diverging faces of pairs of the rollers, adapted to engage and collect the fibers drawn between such diverging faces; and means to remove the fibers from said carrier.

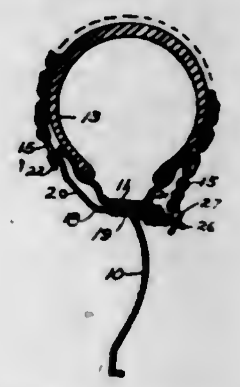


2,417,752
SECURING MEANS FOR ANTISKID DEVICES

Walter A. Hayes, Denver, Colo.

Application November 3, 1944, Serial No. 561,769

3 Claims. (Cl. 152—237)



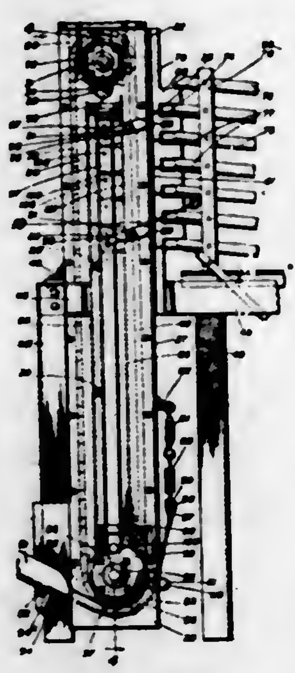
3. An anchoring device for attaching an emergency anti-skid device to an automobile wheel having a disk center provided with one or more strap openings, comprising a metal bar bent intermediate its ends to form two angularly related sections, one section being straight and provided with an opening for the reception of a bolt, the straight section being adapted to extend through a strap opening with the perforated end on the outside, the other end having a hook, a clamping member positioned underneath the straight section, said clamping member having an opening for the reception of a bolt, a fulcrum element positioned between the adjacent surfaces of the bar and the clamping element and between the strap opening and the bolt whereby when the latter is tightened the bar and clamping element will move apart, on the other side of the fulcrum, into clamping engagement with the sides of the strap opening.

2,417,753
CAN ARRANGING CONVEYER MECHANISM

Charles M. Hesson, Hanover, Pa., assignor to Chisholm-Ryder Company, Inc., Niagara Falls, N. Y.

Application May 23, 1944, Serial No. 537,008

17 Claims. (Cl. 198—31)



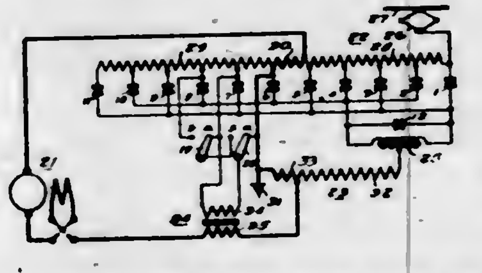
1. A can arranging mechanism, comprising an upstanding frame, an elevator for cans mounted in the frame, means for feeding a plurality of spaced groups of cans into the lower end of the elevator, said frame having a plurality of openings, one above the other in a vertical plane, a door normally closing each opening until the cans in a group have been elevated and alined with the openings, means causing the doors to be opened simultaneously for discharging the cans in a plurality of horizontal rows, and for causing closing of the doors when the cans have been discharged, and means for ejecting the cans through the open door.

2,417,754
CONTROL SYSTEM

Lloyd J. Hibbard, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application September 7, 1944, Serial No. 553,025

7 Claims. (Cl. 171—242)



1. In a control system, in combination, a regulating transformer having a high-tension portion and a low-tension portion, a plurality of taps on the high-tension portion, a buck-boost transformer, a plurality of tap-changing switches for connecting the buck-boost transformer to said high-tension taps in a predetermined sequence to vary its voltage, and means for reversing the polarity of the buck-boost transformer to cause its variable voltage to be first subtracted from and then added to the fixed voltage of the low-tension portion of the regulating transformer.

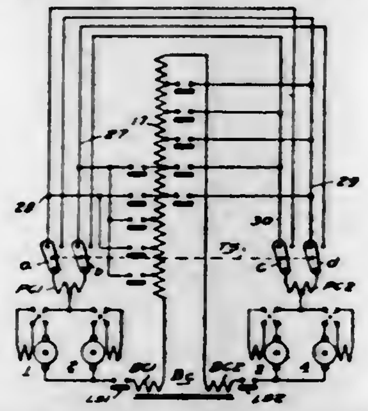
2,417,755

PLURAL SERIES ALTERNATING CURRENT MOTOR CONTROL SYSTEM

Lloyd J. Hibbard, Forest Hills, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 28, 1945, Serial No. 607,536

15 Claims. (Cl. 172—179)



1. In a control system, in combination, a main transformer winding having a plurality of taps thereon, a group of motors having one terminal connected to one end of the transformer winding, another group of motors having one terminal connected to the other end of the transformer winding, a plurality of banks of switches for changing taps on said transformer to accelerate the motors, and means for transferring the other terminals of the motors from one bank of tap-changing switches to another.

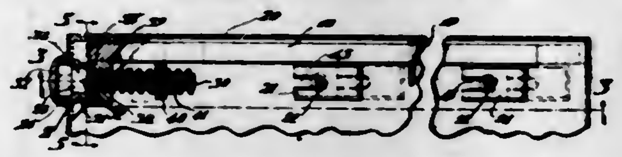
2,417,756

CASKET LOCKING AND SEALING MEANS

George C. Hillenbrand, Batesville, Ind., assignor to The Batesville Casket Company, Batesville, Ind., a corporation of Indiana

Application March 2, 1944, Serial No. 524,692

3 Claims. (Cl. 292—157)



1. A pull-down and locking means adapted to be mounted within the body of a casket for pulling the lid of the casket into sealed engagement with the body, comprising a series of latching elements adapted to cooperate with pull-down elements, said latching elements being interconnected and movable along and within the casket body, an operating screw for actuating said elements simultaneously, said screw having its head end extended through an aperture in the wall of the casket, a bracket for supporting said screw interior of the casket body, said bracket being secured to an inner surface of the casket, and having a portion thereof extended through the aperture in the casket wall and forming a peripheral flange exterior of the casket wall around the screw head and a cap secured on said flange and enclosing said screw head for rendering airtight the aperture in the wall.

2,417,757

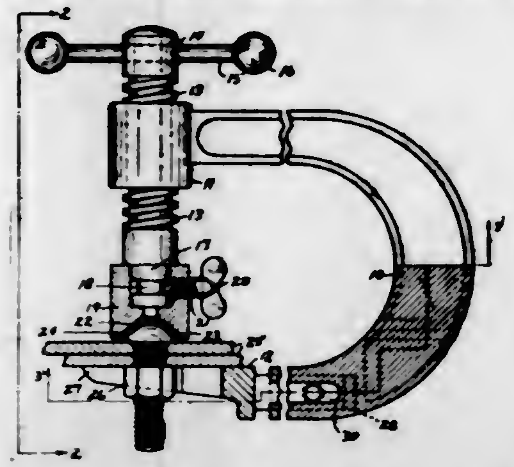
NUT REMOVING TOOL

Earl M. Hoff, Masury, Ohio

Application May 1, 1944, Serial No. 533,575

1 Claim. (Cl. 81—55)

A nut removing tool comprising a C-shaped arm having a threaded orifice in the upper end thereof and on a vertical axis, a partially threaded member engaged in the said threaded orifice, means on the upper end of the partially threaded member enabling rotating movement to be applied thereto, an annular groove in the said partially threaded member near the lower end thereof, a movable socket positioned on the lower end of the said partially threaded member and means therein engaging said annular groove, serrations in the lower face of the said socket for engaging the head of a bolt positioned thereinunder, the bottom end of the said C-shaped arm having an extending center web section and a multiple stepped wrench in movable registry therewith and capable of lengthwise movement with respect thereto so that it may be positioned beneath the said serrated socket and about various sized nuts on the said bolt engaged by the said serrated socket, a slot in the said extending center web section and a bolt engaged transversely in the said multiple wrench and registering in the said slot to form locking means so that movement imparted to the said C-shaped arm will turn the said multiple wrench and hence a nut engaged thereby while the bolt is held stationary by the serrated socket.



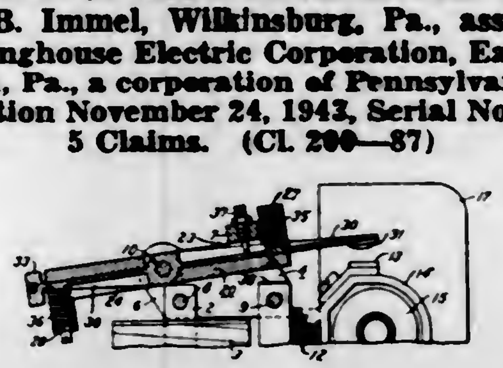
2,417,758

SHOCKPROOF ELECTROMAGNETIC DEVICE

Ralph B. Immel, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 24, 1943, Serial No. 511,565

5 Claims. (Cl. 200—87)



1. A shockproof contactor, comprising an electromagnet, a stationary contact, an assembly including a movable contact and being movable between two positions to respectively open and close said contacts, said assembly being biased toward one of said positions and operable by said magnet to move to said other position and comprising a substantially rigid armature member to be attracted by said magnet and a substantially rigid contact member carrying said movable contact, said two members being pivotally mounted for angular motion and having the same single geometrical pivot axis and being individually substantially balanced in static and dynamic respects relative to said axis, and spring means forming part of said assembly for biasing said two members toward a given position relative to each other so as to permit relative motion between said members when said assembly moves into contact closing position.

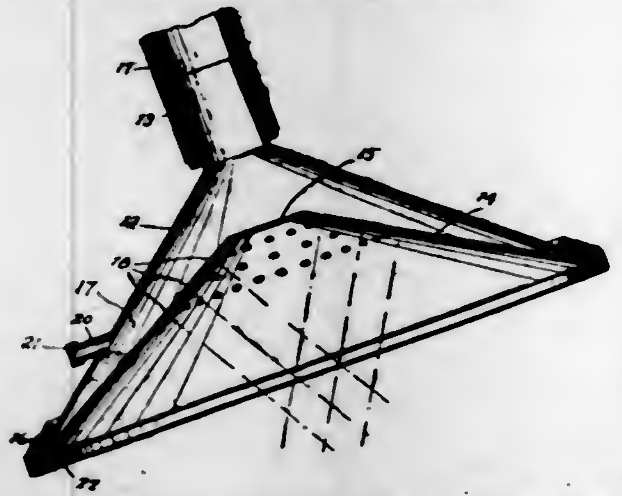
2,417,759

INHALATOR

Sonja V. Johnson, Milford, Conn.

Application July 3, 1945, Serial No. 603,050

6 Claims. (Cl. 128—185)



1. An inhalator comprising inner and outer walls forming a vapor receiving chamber between them, said outer wall having a vapor inlet opening, and said inner wall surrounding a vapor receiving and directing space open at its outer end and having an imperforate baffle portion directly opposed to said inlet opening to prevent direct access of vapor from said inlet opening to the central area of said space and a plurality of vapor outlet openings in outwardly spaced surrounding relation to said baffle portion.

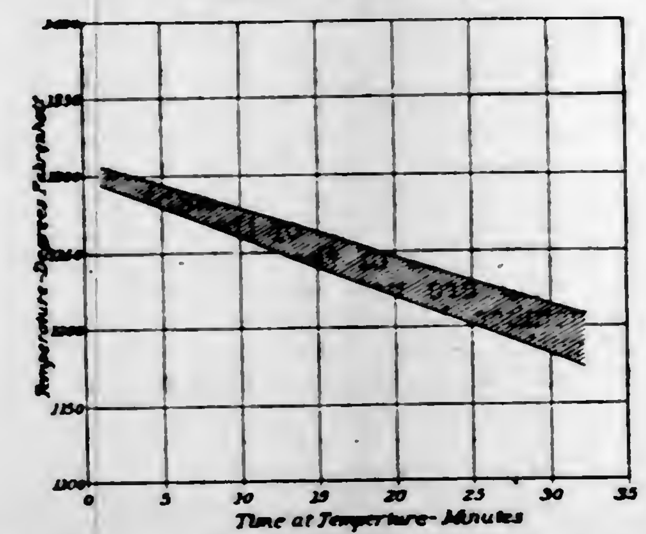
2,417,760

MAKING BIMETALLIC PRODUCTS

Walter L. Keene, Dormont, Pa., assignor to Superior Steel Corporation, Pittsburgh, Pa., a corporation of Virginia

Application August 6, 1942, Serial No. 453,824

1 Claim. (Cl. 148—21.5)



A method of annealing a shape of bimetal comprising a relatively thick layer of low carbon deep drawing type steel and a relatively thin layer of gilding metal bonded together and generally in the form of a cup having a side wall and a bottom and the thickness of the metal of which has been cold reduced in the range 5–25% on the bottom and on the side wall near the bottom and in excess of 25% at the upper portion of the side wall comprising subjecting the shape to a temperature and for a time indicated by the cross-hatched area on the accompanying chart and then cooling it to a temperature at least as low as about 900° F. at a rate about the rate of cooling of identical shapes in still air at atmospheric temperature to impart to the shape a uniform fine grained structure.

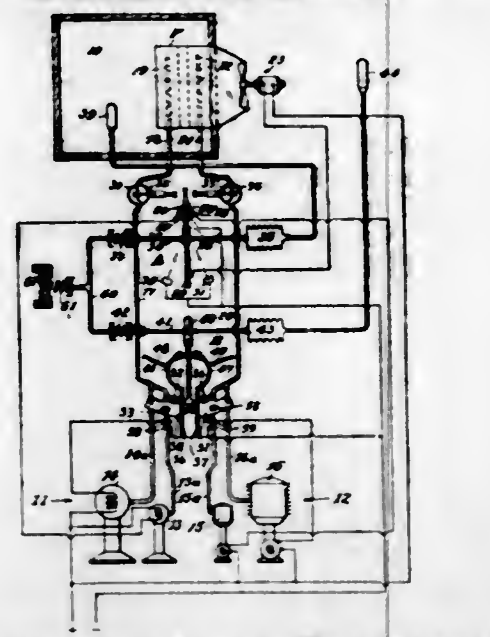
2,417,761

TEMPERATURE CONTROLLING SYSTEM

Nils Erland af Kleen, Stockholm, Sweden, assignor to Kleen Refrigerator, Inc., Hoboken, N. J., a corporation of Delaware

Application March 13, 1941, Serial No. 383,123

2 Claims. (Cl. 257—3)



2. In a temperature controlling system including means forming an enclosed space whose temperature is to be controlled; the combination of cooling apparatus for said space including two units of respectively different capacities, heating apparatus for said space including two units of respectively different capacities, means responsive to the temperature in said enclosed space selectively controlling the operation of the lower capacity units of the heating and cooling apparatus, and means responsive to the temperature outside said enclosed space selectively controlling the operation of the higher capacity units of the heating and cooling apparatus.

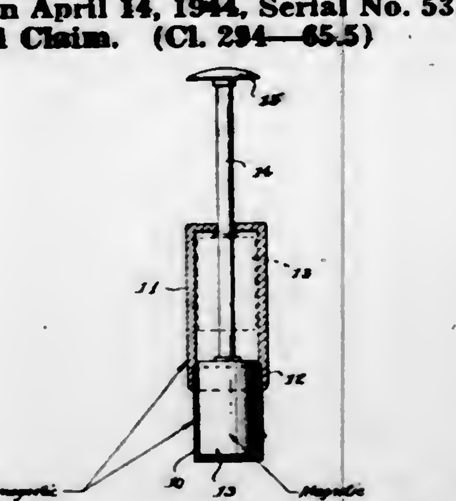
2,417,762

TOOL FOR MAGNETIC LIFTING

Steven Koller, Detroit, Mich.

Application April 14, 1944, Serial No. 531,007

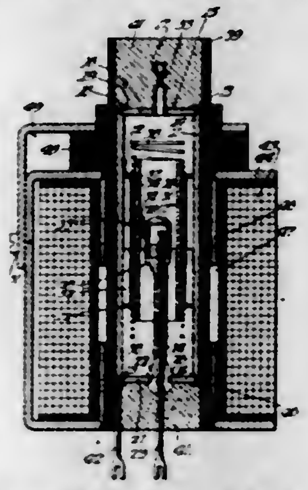
1 Claim. (Cl. 294—65.5)



A tool for the removal of iron particles from cavities such as blind holes formed in iron work pieces which comprises, a closed shell, one end of the shell being of relatively thin non-magnetic material and adapted to be inserted into a cavity, a magnet within the shell arranged for shifting movement substantially from one end of the shell to the other, the shell and magnet being arranged so that when the magnet is in the end of the shell remote from the non-magnetic material the said material is substantially out of the field of flux of the magnet, and an operating piece connected to the magnet and extending through the shell for shifting the magnet in the shell whereby particles attracted magnetically against the said one end of the shell drop therefrom when the magnet is shifted substantially to the opposite end of the shell, the non-magnetic material forming the said one end of the shell having an outwardly extending formation which extends away from the magnet to facilitate magnetic release of particles.

2,417,763
MERCURY SWITCH RELAY

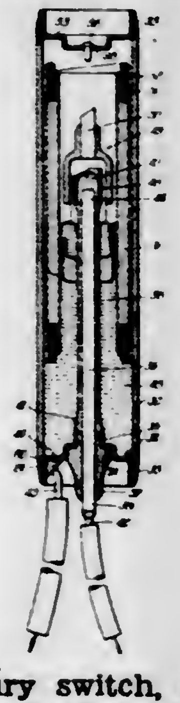
Carl H. Larson, Elkhart, Ind., assignor to The Adlake Company, a corporation of Illinois
Application November 24, 1941, Serial No. 420,213
14 Claims. (Cl. 200—112)



1. A mercury switch assembly including an envelope, a quantity of mercury within the envelope, an electrode at times completing a circuit through the mercury, and magnetically responsive means within the envelope adapted to be actuated by means external of the envelope for changing the condition of the electrical circuit through the mercury, characterized by the formation of the envelope of at least two metal parts substantially in contact with one another along a line of junction, both of said parts resisting wetting by mercury whereby the flow of the mercury between the parts at the line of junction is prevented.

2,417,764
HERMETICALLY SEALED CONTAINER

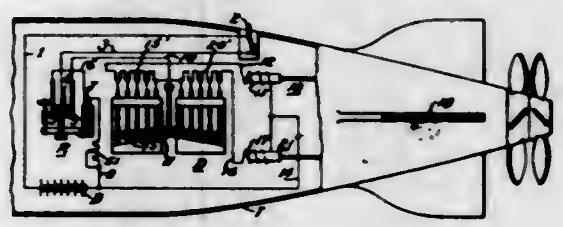
Carl H. Larson, Elkhart, Ind., assignor to The Adlake Company, a corporation of Illinois
Application June 25, 1943, Serial No. 492,331
5 Claims. (Cl. 200—152)



1. In a mercury switch, a cylindrical metal shell, a metal cap having a central aperture and having its outer edge heat-bonded to said shell to seal one end thereof, a metal electrode extending through said aperture, and heat-sensitive material surrounding said electrode and sealing the electrode to the cap, said cap being flanged in one direction at said aperture to provide a tubular extension surrounding said heat-sensitive material and being flanged in the opposite direction at its periphery to provide a cylindrical extension terminating at said outer edge of the cap whereby said heat-sensitive material at the cap aperture lies at points remote from the region of heat application for bonding the cap to the shell.

2,417,765
RELAY

Merrill G. Leonard, Sharon, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 29, 1944, Serial No. 542,756
12 Claims. (Cl. 172—8)

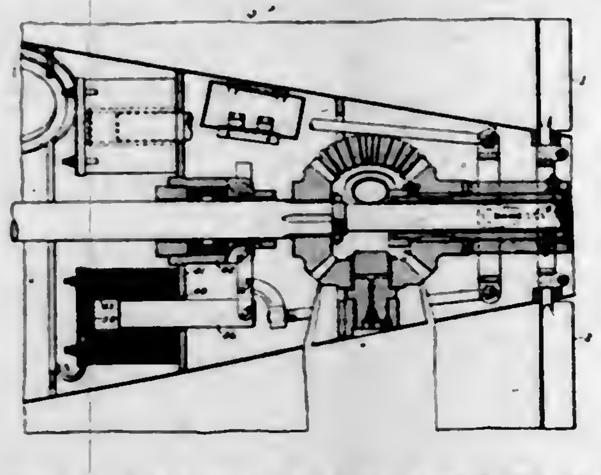


12. In an electrical system of control, the subcombination of a relay comprising a frame, a pair of stationary contact members, a movable contact member pivotally mounted on the frame and normally disposed between the stationary contact members, a spring for biasing the movable contact member against one of the stationary contact members, a latch for holding the movable contact member against the other of said stationary contact members, a bimetallic strip secured to the frame at one end and at the other end secured to the latch, and an inertia member pivoted on the frame secured to the free end of the bimetallic strip, said inertia member having an unbalanced weight comparable to the unbalanced weight of the bimetallic strip whereby deflections of the free end of the bimetallic strip are not altered by the pivoted inertia member, but the bimetallic strip is free to move with changes of temperature to thus release the biased pivotally mounted contact member.

2,417,766
STEERING SOLENOID FOR TORPEDOES

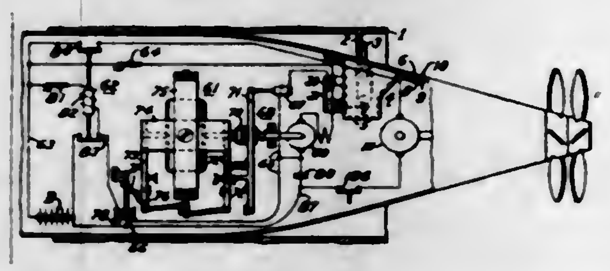
Merrill G. Leonard, Sharon, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 29, 1944, Serial No. 542,757
7 Claims. (Cl. 114—23)

1. In a control for controlling the direction of operation of a torpedo, in combination, a torpedo tail-cone, a rudder mounted thereon, which rudder when operated controls the direction of travel of the torpedo with reference to the medium through which it moves, a magnetic armature coupled to the rudder for operating the same, a sealing wall at the forward region of the tail-cone for preventing the medium in the tail-cone from entering the torpedo body, said sealing wall having an opening therein, a guide sleeve for the armature open at the aft end and closed fluid tight at the forward end, sealing means between the edges of the opening in the sealing wall and the outer periphery of the aft open end of the sleeve, and an armature actuating coil disposed about the guide sleeve.



2,417,767
ELECTRIC SWITCH

Merrill G. Leonard, Sharon, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 19, 1944, Serial No. 550,247
8 Claims. (Cl. 114—20)

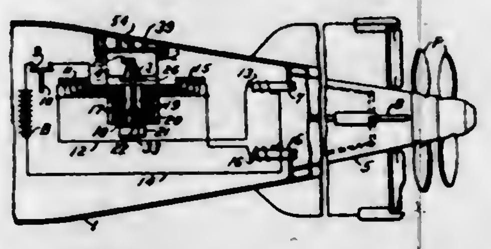


1. In a trigger switch for a torpedo, in combination, a well hermetically connected to the afterbody of a torpedo, said well having a horizontal shoulder, a gasket disposed on the shoulder, a recessed fixture having flanges resting on the gasket, means for effecting a hermetic connection between the flanges of the fixture and the shoulder, a first lever pivoted near its lower end in the fixture and extending upwardly out of the fixture a sufficient distance above the outer surface of the afterbody to be in position to be actuated by a dog in the firing tube for a torpedo, a second but horizontally pivoted lever in the lower portion of the fixture, an operative connection between the lower end of the first lever and one end of the second lever, said fixture having an opening at its lower region through which the second lever projects, a Sylphon bellows hermetically sealed about the opening and hermetically connected to the end of the second lever projecting through the opening in the fixture, and switch contacts mounted on the outside of the Sylphon bellows so that operation of the second lever by the first causes operation of the switch contacts.

2,417,768
CONTROL DEVICE

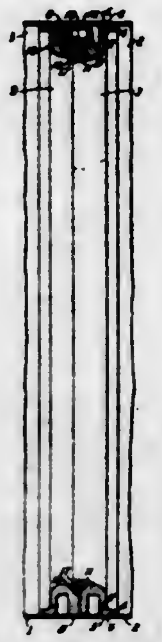
Merrill G. Leonard, Sharon, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 19, 1944, Serial No. 550,248
3 Claims. (Cl. 114—25)

1. In a system of control for the horizontal rudders of a submersible craft moving through water, in combination, a pair of horizontal rudders; a pair of solenoids; armatures for each of said solenoids coupled to the rudders for moving the rudders up or down, depending on whether the submersible craft is to rise to a lesser depth or dive to a greater depth than the depth at which the craft is operating, a source of electric energy; a resistor, comprising a plurality of sections connected in series with one solenoid, connected to the source of electric energy; a second resistor, comprising a plurality of sections connected in series with the other solenoid, also connected to the source of electric energy; and means responsive to the angular disposition of the longitudinal axis of the craft with reference to a vertical for shunting sections of said resistors to thus so alter the energization of said solenoids that the rudders are actuated to change the vertical course of the craft so that it operates at a given angle to the vertical.



2,417,769
JOINT RING

Merrill G. Leonard, Sharon, Pa., and John A. Guidosh, Hubbard, Ohio, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 19, 1944, Serial No. 550,251
5 Claims. (Cl. 285—130)



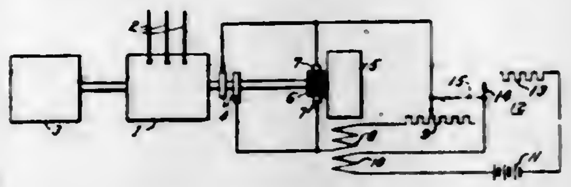
1. In a joint for two tubes, in combination, a pair of substantially similar and equally dimensioned rings U-shaped in section with the legs of the U projecting radially outward, a sleeve-like extension at the base of one ring beveled inwardly at its end to facilitate centering of the rings with reference to each other, a plurality of slots in the adjacent legs of the rings, means, adapted to be dropped into the slots so that all parts thereof are below the outer perimeter of the rings, for firmly connecting the rings, two tubes that are to be connected to each other by the rings, and means for hermetically connecting the tubes to the outer edges of the non-adjacent portions thereof.

2,417,770
EXCITATION SYSTEM

Clarence Lynn, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 2, 1945, Serial No. 602,866

5 Claims. (Cl. 171—223)



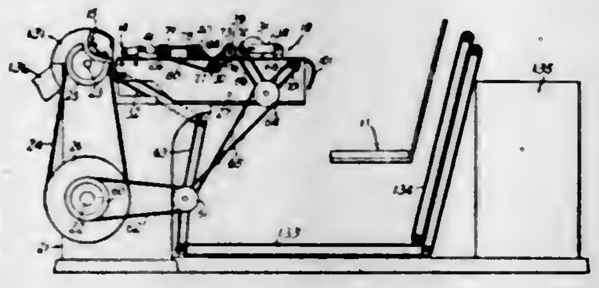
1. An excitation system for an alternating-current generator, said system comprising a direct-current generator for supplying exciting current to said alternating-current generator, said direct-current generator having a self-excited shunt field winding and a separately excited field winding, means for controlling the current in said self-excited field winding to control the voltage of the direct-current generator, and means for energizing said separately excited field winding only when said controlling means is adjusted for low-voltage operation of the direct-current generator.

2,417,771
FUR CUTTING MACHINE

James T. Maigis, Danbury, Conn., assignor to American Hatters and Furriers Company, Incorporated, Danbury, Conn., a corporation of New York

Application July 23, 1945, Serial No. 606,537

10 Claims. (Cl. 69—25)



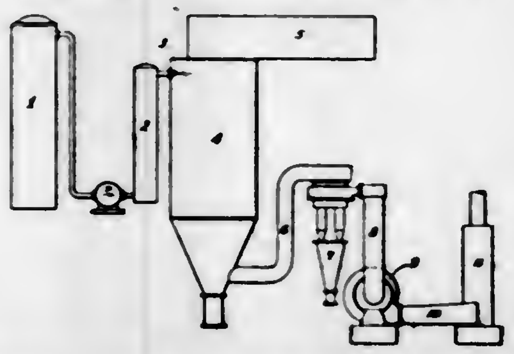
1. In apparatus for shearing the guard hairs from skins, the combination of, a shearing assembly adapted to shear the hairs substantially along a straight line, a feeder roller mounted adjacent said shearing assembly with its axis substantially parallel to and spaced from said line and having a plurality of sharp pins projecting radially outwardly from the peripheral surface of the roller, an endless belt extending around said feeder roller and having a horizontal run upon the upper surface of which skins are laid and passed to said shearing assembly with the pins projecting beyond the upper surface of the belt as the belt passes around the feeder roller, means mounted above said belt adjacent said feeder roller and substantially covering the area in which said pins start projecting beyond the upper surface of the belt whereby skins which are fed to said feeder roller on said belt are urged against said pins by said last-named means with the result that the pins pierce the skins and the skins are held from slipping with respect to the feeder roller during movement past said shearing assembly, and means to remove the skins from the belt after the skins pass said shearing assembly.

2,417,772
PROCESS FOR PREPARING SUBSTANTIALLY ANHYDROUS MAGNESIUM CHLORIDE

Leroy F. Marek, Lexington, Mass., assignor to Arthur D. Little, Inc., a corporation of Massachusetts

Application February 14, 1944, Serial No. 522,216

11 Claims. (Cl. 23—91)



11. The process for preparing substantially anhydrous magnesium chloride from hydrous magnesium chloride which comprises the steps of atomizing said hydrous substance as a liquid at a temperature at least 50° F. above its boiling point temperature in a zone of lesser pressure and in the presence of gases having a temperature at least as high as that of the liquid being atomized, separating said gases from the resulting dry, solid magnesium chloride particles and separating and recovering said particles from any moist magnesium chloride particles.

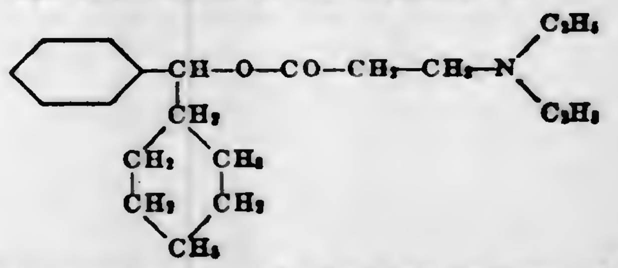
2,417,773
ALPHA-SUBSTITUTED ARALKYL ESTERS OF AMINO CARBOXYLIC ACIDS

Henry Martin, Franz Häfliger, and Karl Gätzi, Basel, Switzerland, assignors to the firm J. R. Geigy A. G., Basel, Switzerland

No Drawing. Application September 11, 1943, Serial No. 502,032. In Switzerland September 23, 1942

4 Claims. (Cl. 260—247)

1. The basic ester of the formula



being a colorless liquid of the B. P. 151°–156° C. at 0.03 mm. pressure, possessing valuable therapeutic properties.

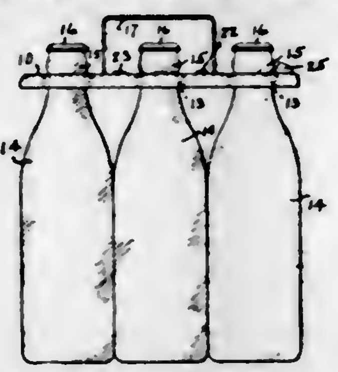
2,417,774
BOTTLE CARRIER

Thomas W. Mullen, Evansville, Ind.

Application December 22, 1944, Serial No. 569,363

1 Claim. (Cl. 224—45)

In a device for carrying a plurality of bottles by supporting them around their necks under an annular shoulder, a plate having a plurality of aligned holes therethrough; a depressed track forming a groove across the plate and intersected by said holes; a slide bar slidingly carried within said groove, the depth of said groove placing the top side of said bar in the plane of the top side of said plate, and said bar having spaced apart arcuate notches along its edge adjacent said holes arranged to register and non-register selectively with said holes upon reciprocation of the bar; means retaining the bar within said groove; and means yieldingly maintaining said bar in said hole non-registry position; said bar retaining means consisting of at least one strap integral with said plate extending therefrom and up and over said bar.

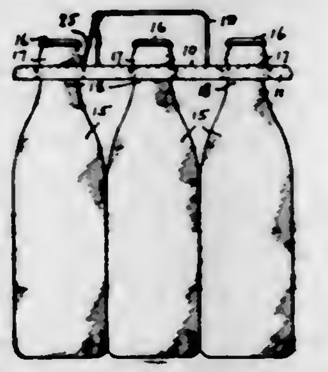


2,417,775
BOTTLE LIFTER AND CARRIER

Thomas W. Mullen, Evansville, Ind.

Application December 22, 1944, Serial No. 569,364

1 Claim. (Cl. 294—87)



For carrying bottles each having an annular shoulder adjacent the mouth ends, a member having a plurality of bottle receiving openings therethrough of diameters exceeding those of said shoulders, said openings being centrally aligned on a line across said member; a bar hinged to said member on an axis substantially parallel to said line to have an edge portion lap over said holes a distance sufficient to reduce the effective openings of said holes to diameters less than said shoulder diameters and exceeding the diameters of the bottles immediately below said shoulders, said bar being biased to said hole overlapping position; said member having a second series of holes therethrough aligned on a common line parallel to said first common line; a second bar hinged to said member to overlap said second holes in the same manner as said first bar overlaps the first mentioned holes; and handle means fixed to said member and extending between said two bars to form an abutment for the inner opposing edges of said bar; and a spring attached by an upper end to said handle and extending downwardly by a lower end over portions of said two bars along their inner opposing edges, said bar inner edges having entering slot spaced from the normal position of said spring end, whereby said spring may be deflected to said slot positions to have said spring end enter thereon upon lifting of the bars.

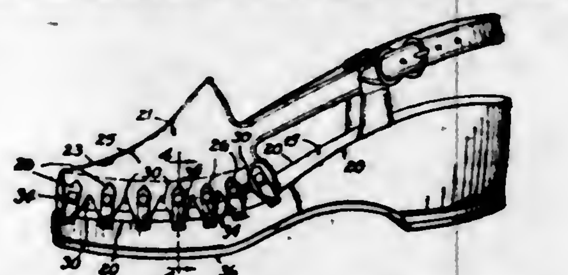
2,417,776
SHOE CONSTRUCTION

Edward C. Neunuebel, Union, Mo.

Application July 5, 1945, Serial No. 603,386

3 Claims. (Cl. 36—12)

1. In a shoe, a sole structure including a platform, a cover strip disposed about the sides of said platform and a sole liner marginally stitched to said cover strip to form an in-turned seam along the upper margin of the sole structure, said sole liner and cover strip having rows of spaced apertures extending along and in close proximity to said seam; an upper, a reenforcing strip secured to the lower marginal portion on the inner side of the upper, said upper and reenforcing strip being formed to provide a series of spaced, projecting tongues, said tongues extending through said apertures in the sole structure about said inturned seam and being secured to the outer surface of said upper.



2,417,777
ANTIGENS AND METHOD OF PREPARING THEM

Clara Nigg, Princeton, N. J., assignor to E. R. Squibb & Sons, New York, N. Y., a corporation of New York

No Drawing. Application July 10, 1943, Serial No. 494,263

14 Claims. (Cl. 167—78)

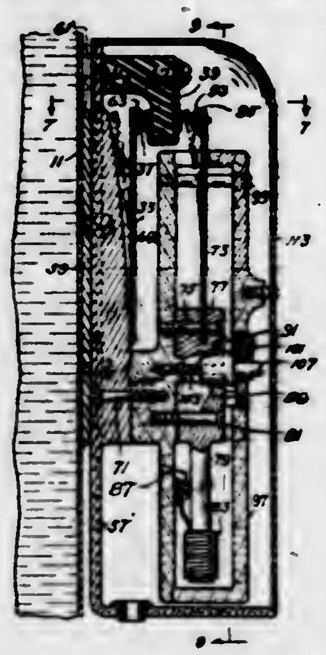
2. A non-infectious, complement-fixing lymphogranuloma-venereum antigen, obtained by subjecting an infectious lymphogranuloma-venereum antigen to the action of a phenol-type compound and increasing the reactivity of the latter beyond that required to render the antigen non-infectious.

2,417,778
THERMAL RELUCTANCE ROD THERMAL-RETARDER FOR ELECTRIC WATER HEATERS

Clark M. Osterheld, Stroughton, Wis., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware

Application August 27, 1945, Serial No. 612,890

5 Claims. (Cl. 219—39)



1. In a thermal retarder heater control switch unit for a domestic hot water tank circuit having an electric heater, the combination with a first bimetal bar adapted to be subject to tank water

temperature intermediate the ends of a tank and a pair of fixed contacts in said circuit adapted to be engaged by said bimetal bar when subject to cold water and to be disengaged therefrom when subject to hot water, of a second bimetal bar adapted to be engaged with and disengaged from said fixed contacts, a support for one end of said second bimetal bar, of relatively great length and having appreciable thermal reluctance, and an electric heating coil at the far end of said support adapted to cause flexure of said second bimetal bar into engagement with said fixed contacts with a predetermined time period of delay after energization thereof.

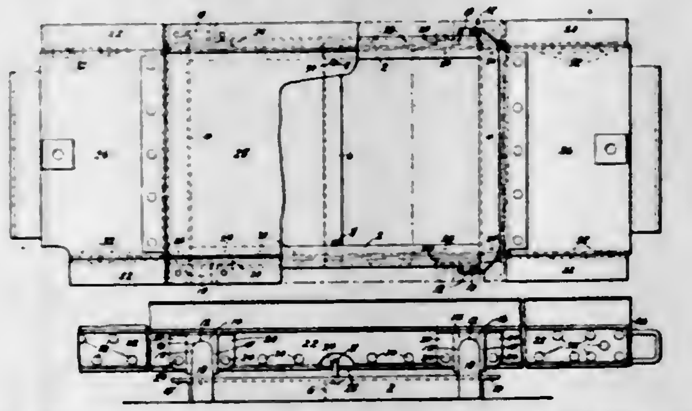
2,417,779

METHOD OF CONSTRUCTING STUB AXLE CAR BODIES

Herman H. Pancake and Coleman G. Smith, Huntington, W. Va., assignors to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey

Application November 5, 1942, Serial No. 464,604

5 Claims. (Cl. 29—165)



1. The herein described method of assembling car bodies of the stub axle type having a plurality of pairs of journal boxes with each pair consisting of inner and outer journal boxes supported on a single axle carried by a wheel located between the journal boxes, which comprises arranging the inner journal boxes on a first jig with the journal box axes perpendicular to the longitudinal center line of the jig, attaching the car center sills to the inner journal boxes and then attaching the end structures and central floor to the center sills to form a rigid central frame, removing the central frame from the first jig, supporting the frame by means of the inner journal boxes resting on dummy stub axles of a second jig, placing the outer journal boxes on the dummy stub axles, attaching the side sills to the outer journal boxes and then attaching the side floor portions and walls whereby the car is completed while supported at the same points as utilized during service.

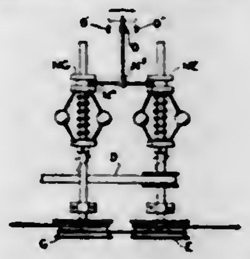
2,417,780

REELING CONTROL MECHANISM

Edward G. Parvin, Beach Haven, N. J.

Application October 28, 1944, Serial No. 560,759

4 Claims. (Cl. 205—16)



1. Wire drawing apparatus comprising in combination, a wire drawing mechanism, a variable speed wire reeling mechanism, a draw-off capstan moving wire from said drawing mechanism to said reeling mechanism, a differential speed mechanism comprising a rotatable element rotated by said capstan with an angular velocity proportional to that of the capstan, a rotatable element engaged by the wire moving from said drawing mechanism to said reeling mechanism and thereby rotated with an angular velocity proportional to the linear velocity of the wire and a member movable relative to each of said elements to deflect from a normal position, and means through which each element subjects said member to a yielding force increasing with the speed of rotation of said element and tending to deflect said member in a direction opposite to that in which the other element tends to deflect said member for maintenance of said member in said normal position when the angular velocities of said elements are in a predetermined ratio and through which said member is deflected from said normal position in one direction or in the opposite direction as the ratio of said angular velocities respectively increases above or decreases below said predetermined ratio, and mechanism controlled by said member for regulating the speed of operation of the reeling mechanism and adjusted by the deflection of said member in a direction tending to maintain said angular velocities in said predetermined ratio.

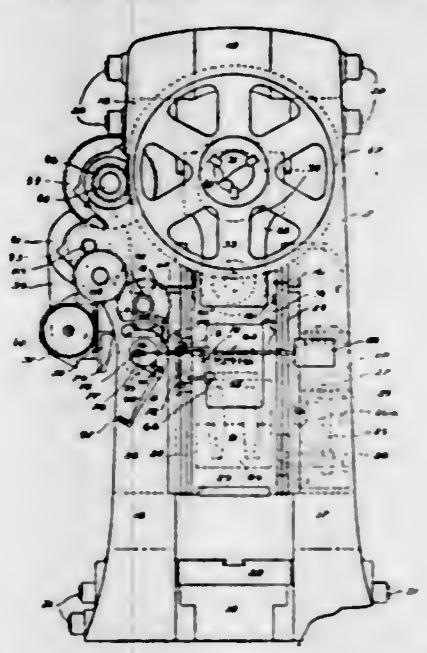
2,417,781

OPERATING MECHANISM FOR PRESSES

Isaac Patrick, Brooklyn, N. Y., assignor to E. W. Bliss Company, Brooklyn, N. Y., a corporation of Delaware

Application January 14, 1944, Serial No. 518,489

12 Claims. (Cl. 78—39)



1. In a press having a reciprocable pressing slide, a continuously reciprocable cross-head, and a castellated member adapted, by rotation thereof, to operatively connect and disconnect said slide with respect to the cross-head; an operating mechanism comprising actuating means for rotating said castellated member, manually operable first control means, second control means operable, after momentary operation of said first control means, to cause operation of said actuating means at a predetermined point of movement of said cross-head, to rotate said castellated member to an operative position and thereby constrain the slide to move through a pressing cycle with said cross-head, and third control means operable to control said actuating means at a later predetermined point of movement of said cross-head, to cause said actuating means to rotate said castellated member from said operative position to an inoperative position to remove the mentioned constraint and permit the said slide to remain at rest while reciprocation of the cross-head continues.

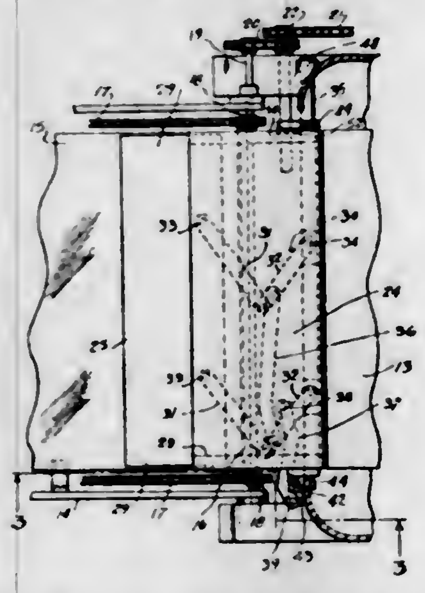
2,417,782

BREAD TRANSFERRING MEANS FOR BREAD SLICING MACHINES

Charles H. Petskeyes, Davenport, Iowa, assignor to Gelman Manufacturing Company, Rock Island, Ill., a corporation of Illinois

Application June 9, 1945, Serial No. 598,456

3 Claims. (Cl. 198—23)



3. Mechanism for transferring loaves of bread from a chute of a slicing machine to a conveyor thereof comprising a pair of bread transfer plates slidably connected together in a direction with respect to the movement of bread down the chute to the conveyor, means rockably supporting said transfer plates for movement from bread receiving position from the chute to bread discharging position to the conveyor, and means for adjusting said plates relative to each other, said last-named means including a pair of toggles having connection with said plates, a link connecting said toggles together, an operating handle rotatably supported by the slicing machine, and a link connecting said handle to said toggles.

2,417,783

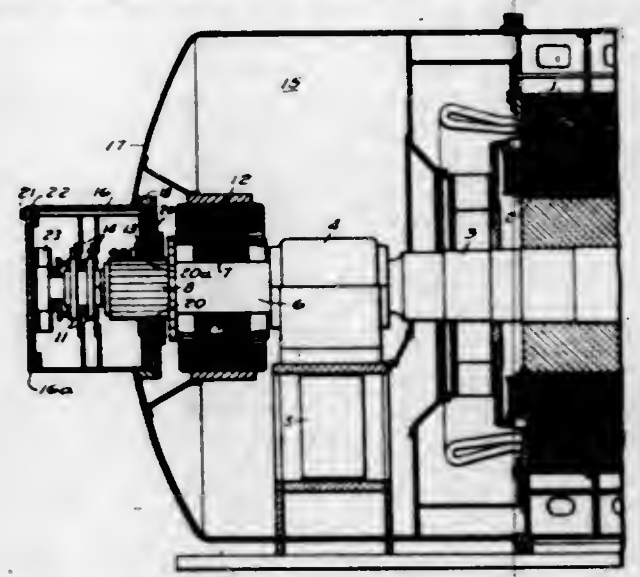
HYDROGEN COOLED MACHINE HAVING DIRECT CONNECTED EXCITER WITH SEPARATELY HOUSED BRUSH RIGGING

Ernest I. Pollard, Wilkinsburg, and Arthur M. Harrison, Swissvale, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application August 18, 1945, Serial No. 611,417

2 Claims. (Cl. 171—252)

1. A hydrogen-cooled synchronous dynamo-electric machine comprising a stationary armature-member, a rotating field-member having a rotatable shaft, a front bearing and a rear bearing supporting the respective ends of the shaft, said shaft having a front shaft-end extending in front of said front bearing, an exciter-armature mounted on said shaft-end adjacent to said front bearing, an exciter-commutator mounted on said shaft-end in front of said exciter-armature, said exciter-commutator having commutator-necks at the armature-end thereof, and a collector for said synchronous machine mounted on said shaft-end in front of said exciter-commutator, a stationarily supported exciter-field co-operating with said exciter-armature, stationarily supported brush-rigging for said commutator, and stationarily supported brush-rigging for said collector; a hydrogen-fillable gas-tight housing for said machine, enclosing said stationary armature-member, said exciter-field, and both of said brush-riggings, the portion of said housing near said brush-riggings being operable to provide access thereto, and auxiliary gas-tight housing-means including a gas-seal surrounding the exciter-commutator between the commutator-necks and the commutator brush-rigging for causing the exciter-field, the exciter-armature and the front bearing to be included in the main housing-chamber which encloses the synchronous machine, said gas-seal being of a type which is not gas-tight when the machine is running and which is arranged to be made gas-tight when the machine is shut down.



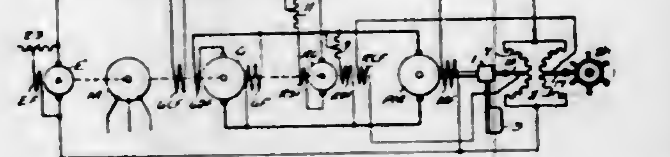
2,417,784

POSITION REGULATION SYSTEM

Walter Schaelchlin, Wilkinsburg, and Erling Frisch, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application March 25, 1944, Serial No. 528,138

10 Claims. (Cl. 172—282)

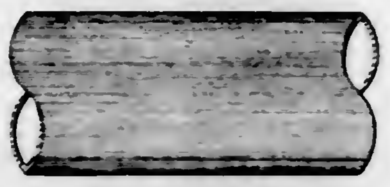


10. In a system of control for positioning an element in accordance with the position of a control member, the combination of, an electrical bridge circuit, a source of electrical energy for energizing the bridge circuit, means responsive to movements of the control member for electrically unbalancing the bridge circuit in an amount indicative of the position of the control member, means operable in conjunction with said element for electrically balancing the bridge circuit, a motor for operating the element, a first generator for supplying electrical energy to the motor, a second generator for controlling the electrical energy output of the first generator, a field winding for the second generator electrically related to the bridge circuit, a series field winding for the second generator, and adjustable resistance means in series with the series field winding for regulating the electrical current in the series

field circuit so that field ampere turns, as a function of the second generator voltage coincides with an initial straight portion of the second generator saturation curve.

2,417,785
LOW-LOSS CONDUCTOR FOR HIGH-FREQUENCY CURRENTS

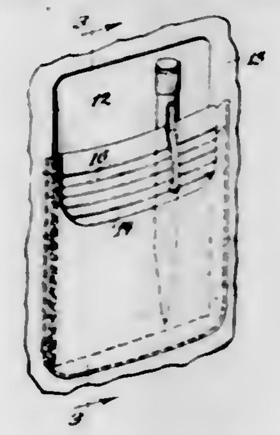
Joseph Slepian, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 8, 1943, Serial No. 486,189
9 Claims. (Cl. 178—44)



4. A conductor for high frequency alternating current having slots on its surface parallel to its longitudinal axis, the width of said slots being substantially 10 times the skin effect depth for said current, the depth of said slots being substantially 15 times said skin effect depth.

2,417,786
POCKET SHIELD OR PROTECTOR

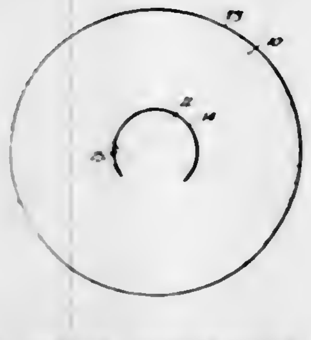
Hurley Smith, Buffalo, N. Y.
Application June 3, 1943, Serial No. 489,431
1 Claim. (Cl. 2—250)



A shield which is insertable into a pocket of a garment and which is formed of a single sheet of relatively stiff, thin material of a width slightly less than the width of said pocket and of a length substantially greater than double the depth of said pocket, said sheet of material being folded transversely with respect to its length to provide front and rear panels and form a bottom to protect the bottom of the pocket of the garment, the rear panel extending out of and above the pocket to cover and protect the portion of the garment adjacent and above the pocket opening and the upper end of the front panel being folded downwardly so that it may overlie the upper edge of the pocket to protect the upper portion of the outer side of the pocket of the garment and be engaged by the clips of pencils and the like inserted into the pocket, the material of said shield having a stiffness sufficient to cause said panels to remain upright without attachment to the garment, the side marginal edges of said front and rear panels being free with respect to one another, whereby said panels may lie flat against one another substantially throughout the length of the front panel when the shield is not in use and may readily separate with respect to one another when anything is inserted into the pocket.

2,417,787
ARTICLE OF WEARING APPAREL

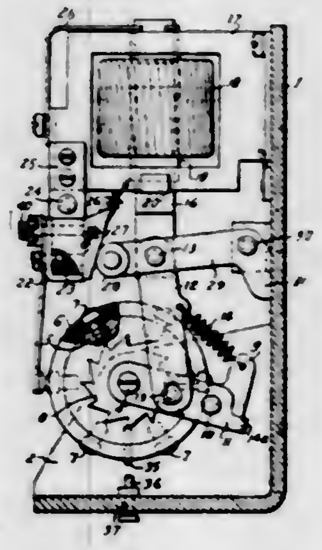
Helen E. Smith, New York, N. Y.
Application September 11, 1945, Serial No. 615,615
6 Claims. (Cl. 2—48)



1. An apron blank comprising a substantially circular member having a center portion partly cut out therefrom, and a peripheral portion which entirely surrounds said center portion, said center portion constituting a bib and said peripheral portion constituting a skirt.

2,417,788
ROTATING CONTACTOR RELAY

William F. Soffel, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 20, 1943, Serial No. 511,050
10 Claims. (Cl. 200—105)

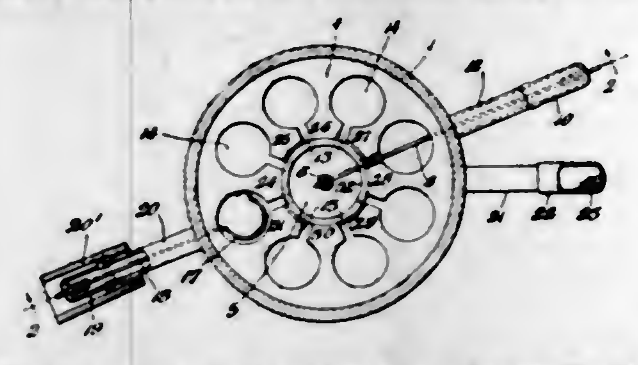


1. A contactor comprising, in combination, a rotary contact member, a contact assembly normally engaging said member and being movable away from the periphery of said member, drive means for imparting a stepwise rotation to said member, and means controlled in dependence upon said drive means and connected with said assembly for temporarily moving said assembly away from said member so as to disengage said assembly from said member during rotation of the latter.

2,417,789
MAGNETRON ANODE STRUCTURE

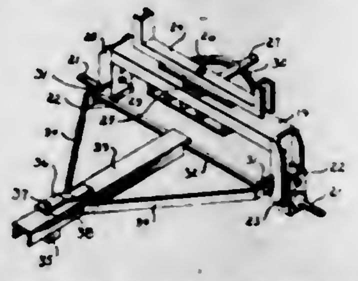
Percy L. Spencer, West Newton, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application December 1, 1941, Serial No. 421,145
5 Claims. (Cl. 315—39)

1. An electron-discharge device comprising an electrode structure including a cathode and an anode adjacent thereto and having a plurality of arms each pair of which bounds a cavity and forms an inductance, each of said pair of arms forming a capacitance, said inductances and capacitances forming tuned circuits which are adapted to have oscillations set up therein during operation, each of said arms having a groove therein, the grooves in alternate arms having a lesser depth than the grooves in intervening arms, and a conductor secured in each of said grooves of said alternate arms and passing through the grooves in said intervening arms free of contact therewith.



2,417,790
TRAILER

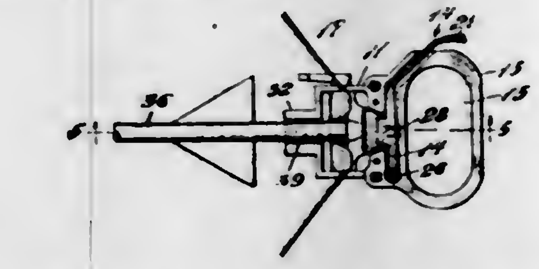
Fred L. Stockwell, Garner, Iowa
Application May 6, 1944, Serial No. 534,427
10 Claims. (Cl. 280—116)



1. In a trailer structure, a beam element, axle hanger members extending downwardly from each end of said beam element, a means for securing axle members to said axle hanger members, a draw-bar pivotally secured to the lower portions of said axle hanger members, a clevis on said draw-bar, a channel in said draw-bar, and a strap member over the channel portion of said draw-bar for permitting said draw-bar to receive a tongue or like.

2,417,791
ARCHERY DEVICE

Carl Tyszkiewicz, Cranston, R. I.; Stella Tyszkiewic, administratrix of said Carl Tyszkiewicz, deceased, assignor to Stella Tyszkiewic, Cranston, R. I.
Application June 7, 1944, Serial No. 539,149
8 Claims. (Cl. 124—35)



7. In an archery device, a body having a slot therein for the reception of a bow string and an opening for the reception of the fingers, a spring pressed trigger having a handle adjacent said finger opening, a member pivoted in said body having on one side of the pivot an abutment to be engaged by the bow string to move the member to be positioned on one side of said trigger and on the other side of the pivot spaced hook shaped portions between which an end portion of the arrow may extend to engage said bow string and prevent release thereof while force is applied to the device to flex the bow, said trigger being normally positioned in the path of movement of said member and manually moved out of said path for releasing said member for rocking about its pivot to release said string, and means for frictionally retaining an arrow in said body between the spaced hook shaped portions of said member.

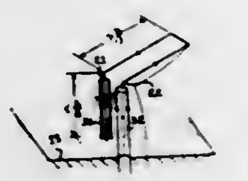
2,417,792
ADHESIVE COMPOSITIONS AND PROCESS

John J. Verbanc, Tuxedo Park, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 19, 1943, Serial No. 499,229
7 Claims. (Cl. 260—768)

1. An adhesive composition suitable for bonding textile reinforcing structures to elastomeric stock which comprises the reaction product of an organic diisocyanate and an elastic isoprene polymer dissolved in an organic solvent for said reaction product.

2,417,793
ANTENNA

Robert S. Wehner, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application August 1, 1944, Serial No. 547,548
8 Claims. (Cl. 250—33)



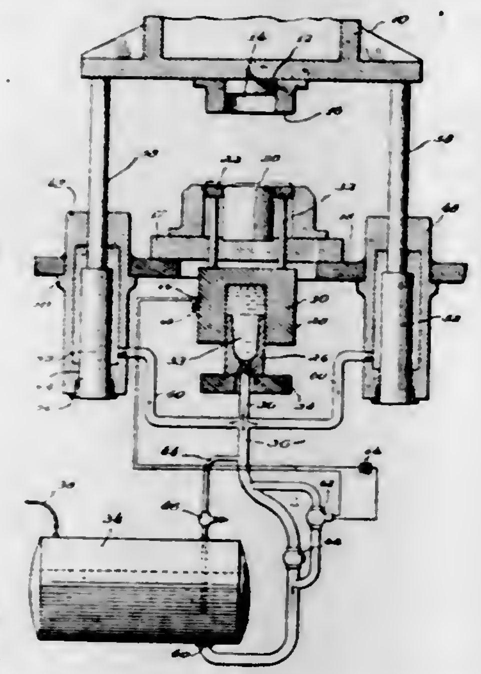
5. A broad-band antenna in the form of an inverted-L disposed over a conductive sheet forming a ground plane, said antenna including a pair of closely adjacent parallel conductors bent at substantially their midpoint, one pair of adjacent ends of said conductors being connected together, one of the remaining ends being connected to said conductive sheet, and the other passing through said sheet and being connected to a conductor of a transmission line, the vertical portion of each of said parallel conductors being surrounded by coaxially arranged sheaths connected at their lower ends to said conductive sheet.

2,417,794
PUNCH PRESS HAVING A DIE CUSHION

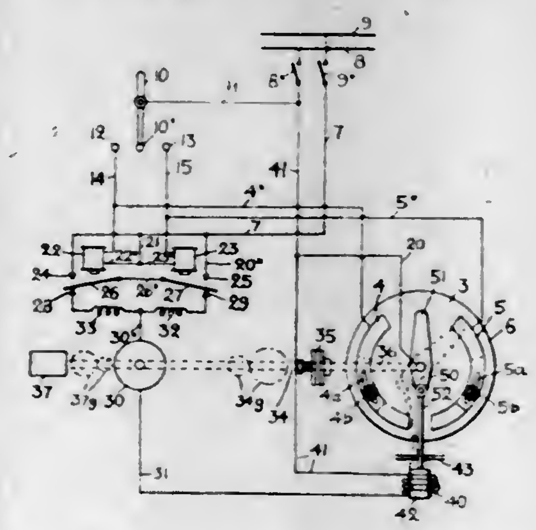
Herbert B. Werner, Chicago, Ill., assignor to Verson Allsteel Press Company, Chicago, Ill., a corporation of Delaware
Application November 30, 1942, Serial No. 467,428
5 Claims. (Cl. 113—45)

1. A die cushion arrangement for use with a punch press having a frame, a slide reciprocable therein, and means for reciprocating said slide, comprising: a die cushion having a variable volume fluid chamber and located within said frame for supporting a draw ring or similar element, recovery piston and cylinder means connected between the press slide and the frame for urging the slide downwardly when hydraulic fluid is forced into said piston and cylinder means, means including a closed fluid circuit extending between

said chamber and said piston and cylinder means hydraulically connecting said recovery piston and cylinder means to said die cushion so that fluid forced from said die cushion is communicated to said recovery piston and cylinder means, means including a source of fluid under pressure and a check valve enabling the fluid to flow from said source to said closed fluid circuit for filling said piston and cylinder means with fluid during that portion of the down stroke of a press cycle before said die cushion is acted upon by the press slide, said check valve remaining closed during the up stroke of the press cycle to confine the fluid to said closed circuit so that the fluid forced from said piston and cylinder means is communicated to said die cushion to restore it to its "rest" position, and hydraulic pressure relief means to permit the escape under restraint of hydraulic fluid from said closed fluid circuit when a predetermined pressure is reached in said circuit on both the down and up strokes of the press cycle.

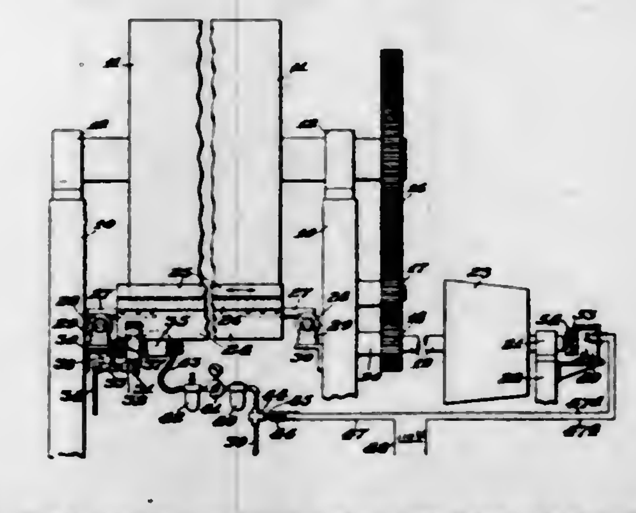


2,417,795
AUXILIARY DEVICE FOR STOPPING MOTORS
Michel N. Yardeny, Robert Bernas, and Leon Kardorff, New York, N. Y.; said Bernas and said Kardorff assignors to said Yardeny
Application April 27, 1945, Serial No. 590,638
4 Claims. (Cl. 172—179)



1. In a device for stopping a reversible electric motor, directional switch means comprising a pair of electrical conducting elements separated by a gap and electrically associated with the said motor, a lever adapted to be frictionally moved by the motor, an electro-magnetic means in the motor circuit having an armature articulated to the said lever and adapted, upon energization of the motor for rotation, to maintain the said lever in a mid-position in the said gap, the said lever being moved by the motor, upon de-energization thereof and the said solenoid, into engagement with one or the other of the said conducting elements depending upon the direction of motor rotation, said engagement causing the motor to rotate in the reverse direction to return the lever to mid-position and energizing the said solenoid to stop the lever at mid-position.

2,417,796
ELECTRICAL SYSTEM FOR DOCTOR BLADE CONTROL IN PAPER MAKING MACHINES
Edwin Lewis Happ, Brevard, N. C., assignor to Ecusta Paper Corporation, a corporation of Delaware
Application March 18, 1943, Serial No. 479,635
2 Claims. (Cl. 92—74)

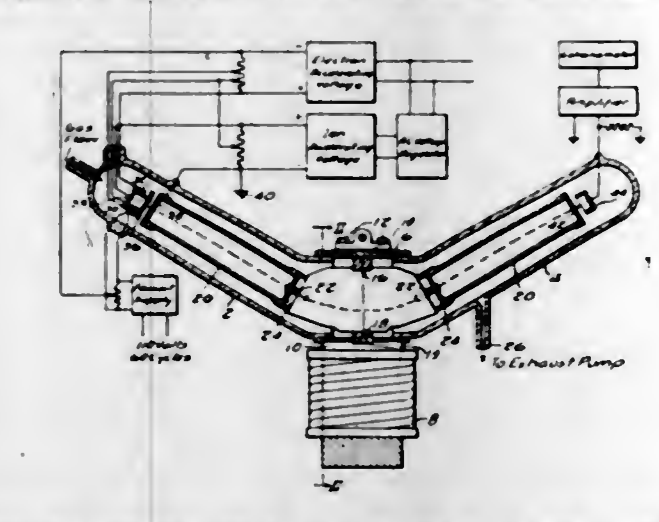


2. In a paper making machine having a roll for conveying the paper web and means for rotating said roll, a doctor blade associated with said roll, an air motor for moving said doctor back and forth transversely of the paper travel and in contact with said roll constantly during rotation of the roll and at a speed independent of the rotating speed of the roll, an electrically actuated valve element for stopping and starting said doctor motive element, said valve element being biased in stopping position, a normally open switch member arranged in relation to the rotating means for said roll for closing upon rotation of the roll, and an electric circuit including said valve element and said switch member, said electric circuit being connected to actuate said valve element to starting position when said switch member is closed, whereby back and forth movement of said doctor is automatically effected constantly during rotation of said roll at a speed independent of the rotating speed of the roll and movement of said doctor is automatically stopped when rotation of said roll ceases thereby avoiding scoring of said roll by said doctor.

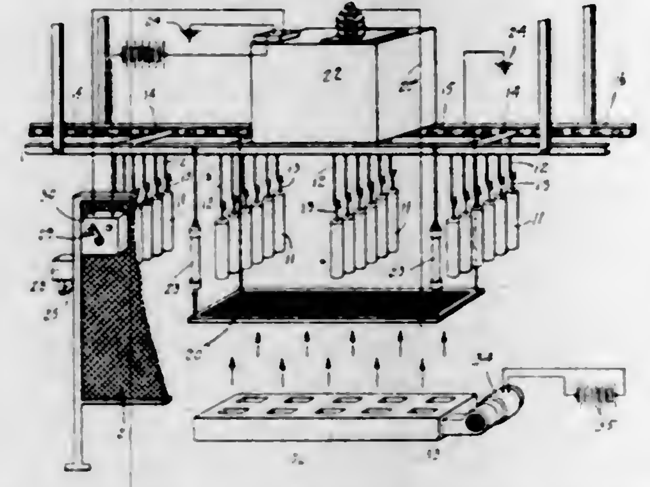
2,417,797
MASS SPECTROMETER
John A. Hipple, Jr., Verona, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 27, 1944, Serial No. 533,092
2 Claims. (Cl. 73—18)

1. In a mass spectrometer, a magnetic field producing magnet having two pole portions, a

cylindrical collar embraced between said pole portions, a pair of pole pieces of substantially semi-cylindrical shape mounted in said collar for cooperating with said pole portions and spaced to provide a slot therebetween, a pair of non-magnetic metallic tubes each having an end secured respectively to the ends of said pair of semi-cylindrical pole pieces to define a path communicating with said slot, a pair of open-ended tubes of insulating material enclosing said non-magnetic metallic tubes, and means for sealing the open ends thereof to the respective ends of said collar.

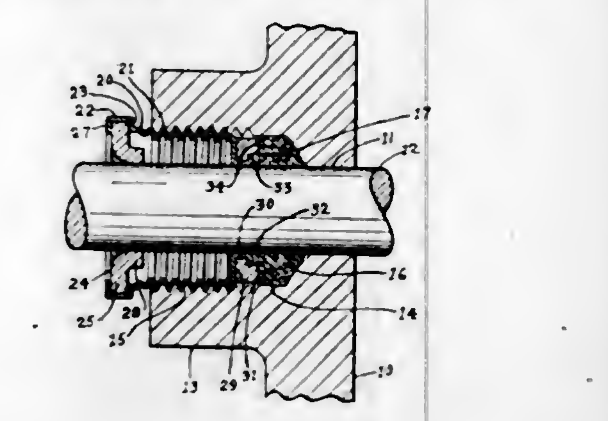


2,417,798
APPARATUS FOR COATING ARTICLES
Harold P. Ransburg and Richard E. Helmuth, Indianapolis, Ind., assignors to Harper J. Ransburg, H. Gregg Ransburg, Harold P. Ransburg, and Edwin M. Ransburg, co-partners doing business as Harper J. Ransburg Company
Application June 25, 1943, Serial No. 492,204
18 Claims. (Cl. 91—18)



18. Apparatus for coating a series of articles with a liquid coating material including a volatile solvent capable of producing explosive gases, said apparatus comprising an elongated electrode, means for establishing an electrostatic field between said article and electrode, a container for a supply of liquid coating material, a conveyor for carrying said articles through said supply of coating material into said electrostatic field and past said electrode in spaced relation thereto, an electric motor for driving said conveyor, an electric circuit including a switch for controlling said motor and the means for establishing said field, and a switch control member mounted at the entrance to said field in a plane of predetermined spaced relation to the plane of said electrode operable by any one of the articles extending beyond said plane to open said switch and render the apparatus inoperative.

2,417,799
GLAND NUT
Donald A. Seaver, West Cheshire, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application October 25, 1945, Serial No. 624,521
5 Claims. (Cl. 286—35)



1. A gland nut of the character described comprising a body shell of relatively thin sheet metal material, the major portion being provided with a rolled thread, a polygonal enlarged head at one end of said body shell, the opposite end provided with an inwardly formed base terminating in a cylindrical neck, a swivel washer member surrounding said neck, and a reinforcing member fitted into said enlarged head and having an opening of similar size to the interior diameter of the neck.

2,417,800
METHOD OF MAKING A BUFFING OR POLISHING BAR
Arthur H. Weisser, Jackson, Mich.
No Drawing. Application March 23, 1944, Serial No. 527,843
1 Claim. (Cl. 51—304)

A method of making polishing and buffing composition bars, sticks, cakes and the like, comprising the steps of breaking up a mass of grease into small discrete solidified particles mixing abrasives and the grease in a relatively dry granular or powdered state and thereafter molding the mixture into a dense, homogeneous mass, solely with the application of pressure.

2,417,801
FERMENTATION PROCESS
Charles Weizmann, London W. C. 1, England, assignor to Butacet Limited, London, England
No Drawing. Application March 2, 1942, Serial No. 433,093. In Great Britain April 11, 1941
8 Claims. (Cl. 195—33)

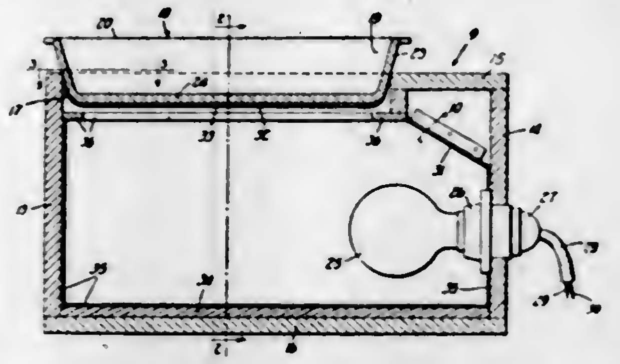
1. In the fermentation of carbohydrates, the process which comprises preparing a straw hydrolysate containing undissolved straw material without separation of the undissolved solid material from the liquid, inoculating this hydrolysate with a cereal mash, which is being actively fermented by bacteria of the class consisting of the butylicus and butyricus groups, said mash containing from about 0.5 to 2 times as much starch as the amount of sugar present in the straw hydrolysate, adding an excess of calcium carbonate to said liquid, allowing fermentation of the inoculated hydrolysate by means of the bacteria present in the cereal mash, at not above 43° C. until the fermentation of the mash is sufficiently accomplished, and until a portion of the insolubles in the straw hydrolysate has been fermented.

2,417,802

DEVICE TO FACILITATE MOUNTING SPECIMENS ON MICROSCOPE SLIDES

Arthur H. Longstreet, Brooklyn, N. Y.; Mirian Annette Longstreet, executrix of said Arthur H. Longstreet, deceased
Application February 5, 1944, Serial No. 521,280
1 Claim. (Cl. 88—40)

In a device to facilitate mounting of a specimen on a microscope slide, the combination of a casing having an open top, light and heat source means in said casing, a specimen-containing tray having a bottom with a light transmitting portion, said tray engaging the edges of the opening to assist in confining the heat of the source means in the casing to effect the transmission of heat through the bottom of the tray to warm a suitable liquid in said tray so that the specimen may be conditioned by the warm liquid for mounting, and heat-conducting, light-shielding means on said tray bottom, the shielding means having a window in alignment with the light transmitting portion, said window having a small area relative to the area of the tray bottom, whereby the light may pass from the source means through the window and tray bottom and a specimen may be manipulated over said window while mounting it on the slide.



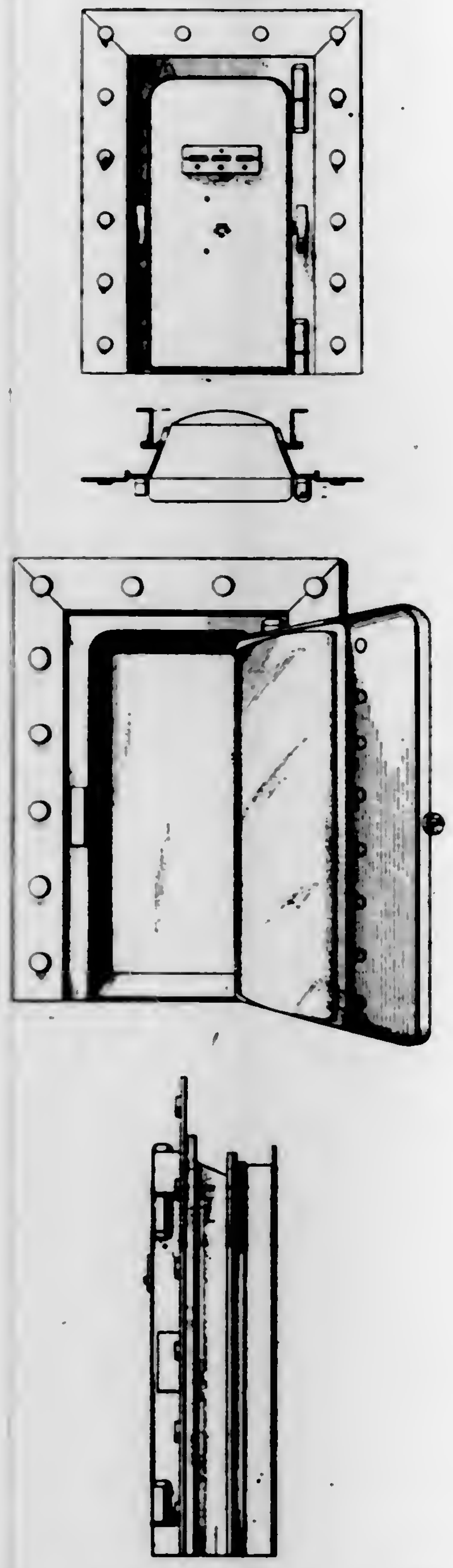
DESIGNS

MARCH 18, 1947

146,459

DESIGN FOR A COMBINED BANK VAULT DOOR AND FRAME

William E. Adams, Hamilton, Ohio, assignor to Herring-Hall-Marvin Safe Company, Hamilton, Ohio, a corporation of New York
Application September 6, 1945, Serial No. 121,896
Term of patent 14 years
(Cl. D69—1)

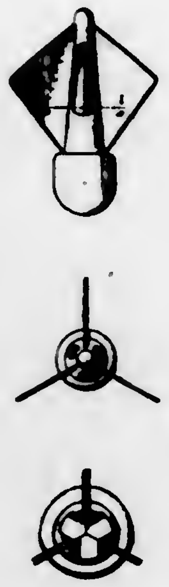


The ornamental design for a combined bank vault door and frame, as shown.

146,460

DESIGN FOR A SHUTTLECOCK

Fred Bentley, Lansing, Mich.
Application February 4, 1946, Serial No. 126,253
Term of patent 14 years
(Cl. D34—5)

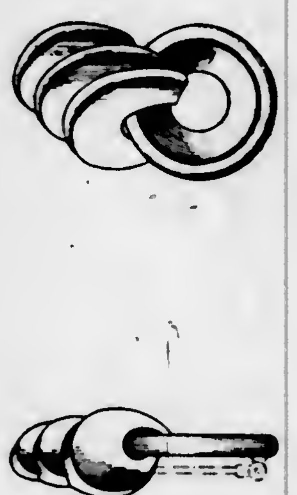


The ornamental design for a shuttlecock, as shown.

146,461

DESIGN FOR A BROOCH OR SIMILAR ARTICLE

Michael Chernow, New York, N. Y.
Application November 9, 1945, Serial No. 123,606
Term of patent 7 years
(Cl. D45—19)

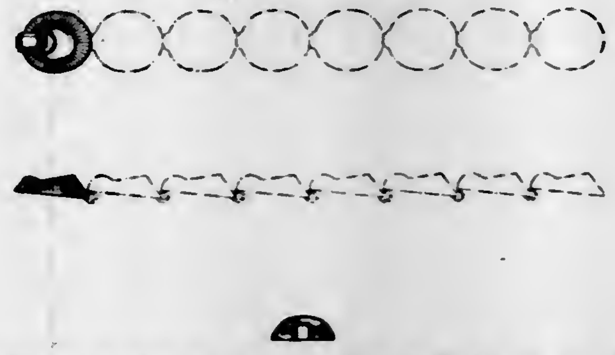


The ornamental design for a brooch or similar article, substantially as shown.

146,462

DESIGN FOR A LINK CHAIN FOR A BRACELET OR SIMILAR ARTICLE

Michael Chernow, New York, N. Y.
Application December 11, 1945, Serial No. 124,594
Term of patent 14 years
(Cl. D45—16)

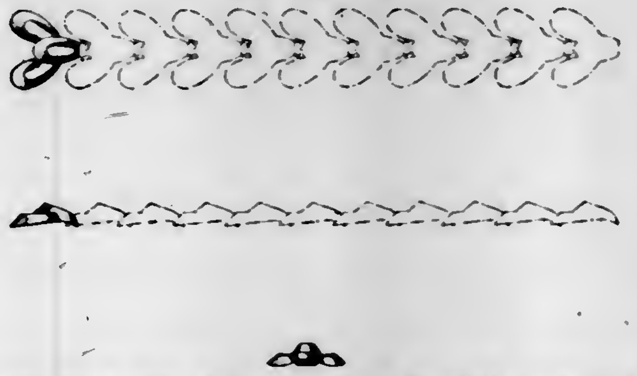


The ornamental design for a link chain for a bracelet or similar article, substantially as shown and described.

146,463

DESIGN FOR A LINK CHAIN FOR A BRACELET OR SIMILAR ARTICLE

Michael Chernow, New York, N. Y.
Application December 11, 1945, Serial No. 124,595
Term of patent 7 years
(Cl. D45—16)

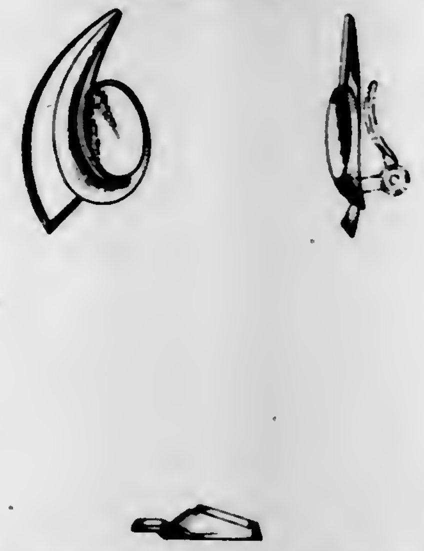


The ornamental design for a link chain for a bracelet or similar article, substantially as shown and described.

146,464

DESIGN FOR AN EARRING OR SIMILAR ARTICLE

Michael Chernow, New York, N. Y.
Application May 24, 1946, Serial No. 130,050
Term of patent 7 years
(Cl. D45—9)

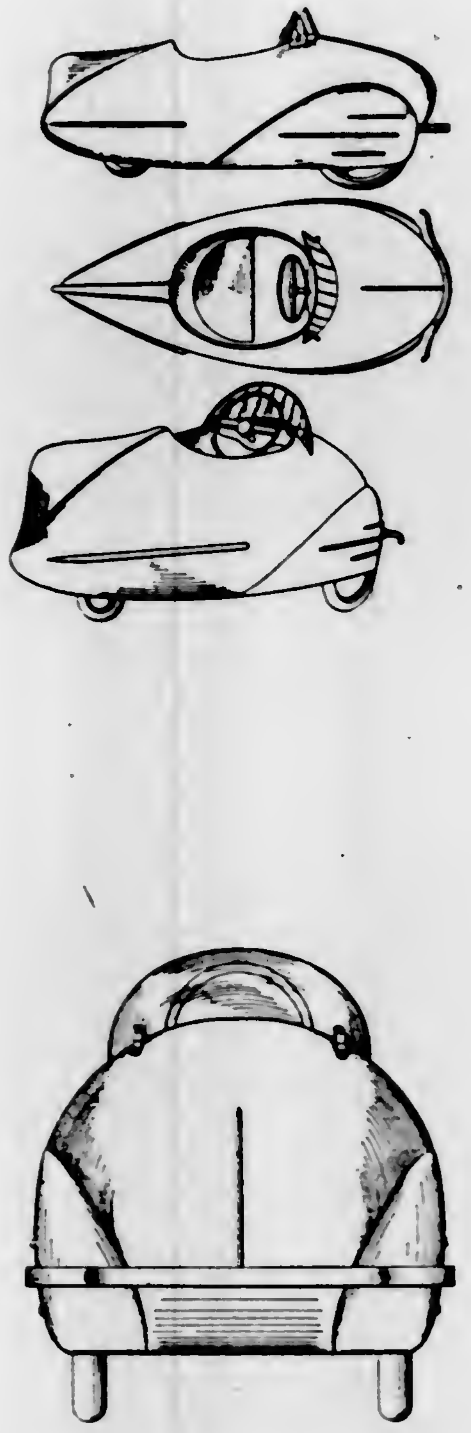


The ornamental design for an earring or similar article, substantially as shown.

146,465

DESIGN FOR A TOY AUTOMOBILE

Edmond R. Doak and Nelson E. Grace, Los Angeles, Calif., assignors to Doak Aircraft Co., Inc., Torrance, Calif., a corporation of California
Application June 18, 1945, Serial No. 120,186
Term of patent 14 years
(Cl. D34—15)

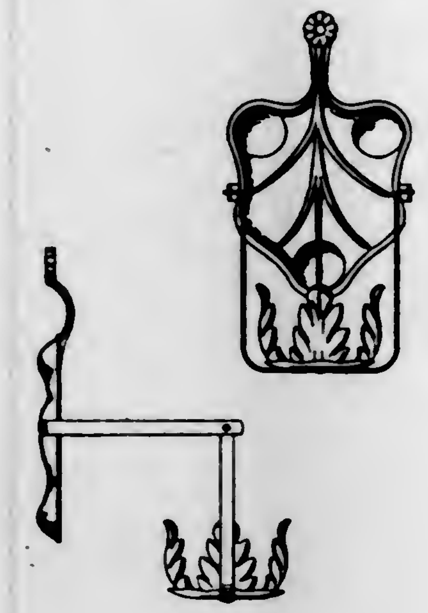


The ornamental design for a toy automobile, as shown.

146,466

DESIGN FOR A WALL FLOWERPOT HOLDER

Orin F. Evans, Cincinnati, Ohio, assignor to Evan G. Evans, Cincinnati, Ohio
Application February 1, 1946, Serial No. 126,144
Term of patent 7 years
(Cl. D35—3)

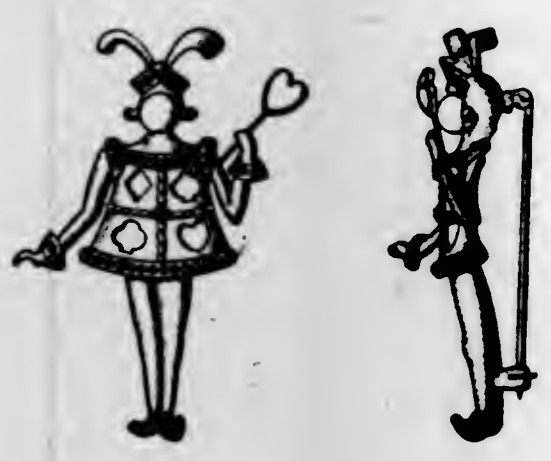


The ornamental design for a wall flowerpot holder, as shown.

146,467

DESIGN FOR A BROOCH OR SIMILAR ARTICLE

George E. Fearn, New York, N. Y., assignor to Hess-Appel, New York, N. Y., a firm composed of Lester L. Hess and Jack H. Appel
Application May 28, 1946, Serial No. 136,1
Term of patent 3½ years
(Cl. D45—19)

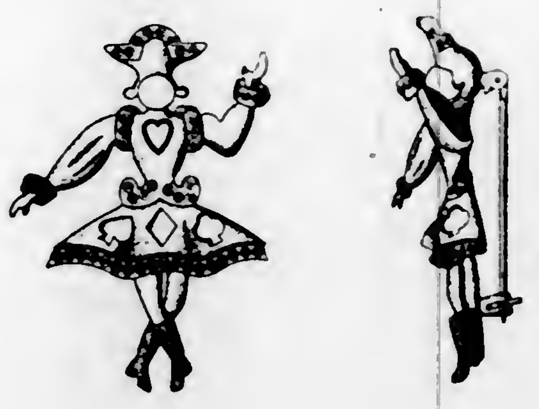


The ornamental design for a brooch or similar article, substantially as shown.

146,468

DESIGN FOR A BROOCH OR SIMILAR ARTICLE

George E. Fearn, New York, N. Y., assignor to Hess-Appel, New York, N. Y., a firm composed of Lester L. Hess and Jack H. Appel
Application May 28, 1946, Serial No. 130,186
Term of patent 3½ years
(Cl. D45—19)

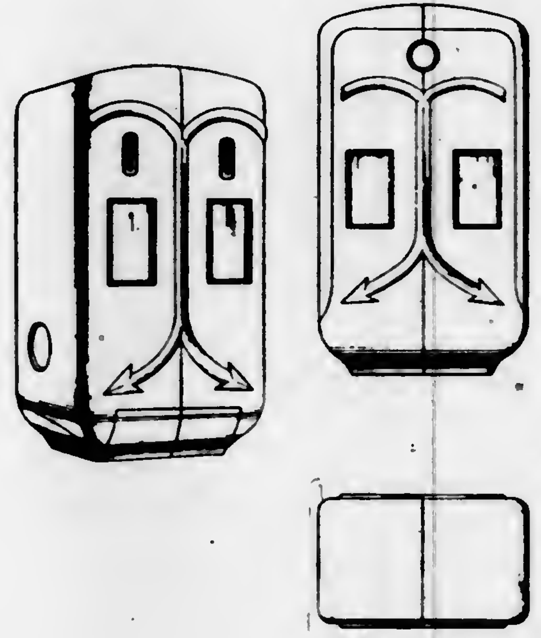


The ornamental design for a brooch or similar article, substantially as shown.

146,469

DESIGN FOR A PARKING METER CASING

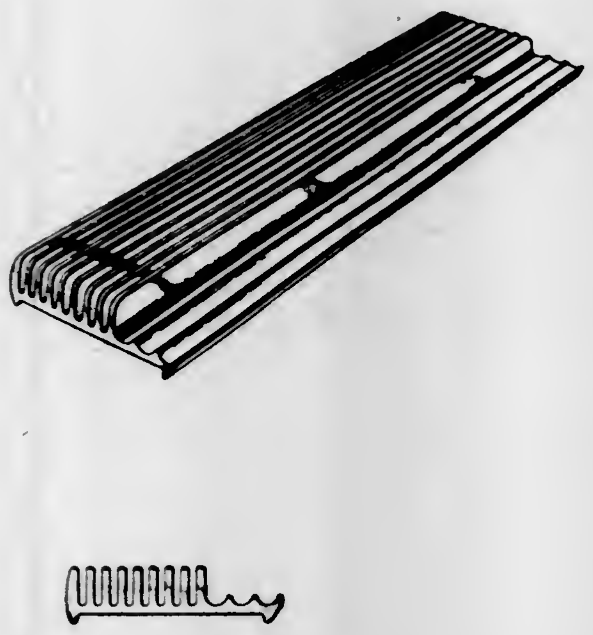
Louis F. Fink, New York, N. Y., assignor to International Meters, Inc., New York, N. Y., a corporation of New York
Application December 13, 1945, Serial No. 124,678
Term of patent 14 years
(Cl. D52—3)



The ornamental design for a parking meter casing, as shown.

146,470
DESIGN FOR A DRAFTSMAN'S INSTRUMENT RACK

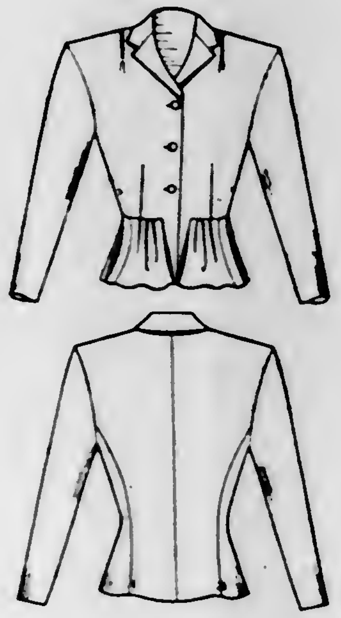
Jacque Fresco, Los Angeles, Calif.
Application April 2, 1946, Serial No. 128,179
Term of patent 14 years
(Cl. D74—13)



The ornamental design for a draftsman's instrument rack, substantially as shown.

146,471
DESIGN FOR A JACKET

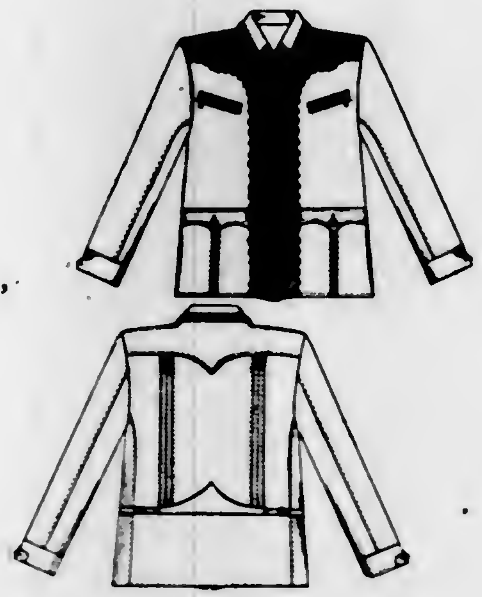
Zelma Golden, New York, N. Y.
Application July 23, 1946, Serial No. 131,848
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a jacket, substantially as shown.

146,472
DESIGN FOR A LEATHER JACKET

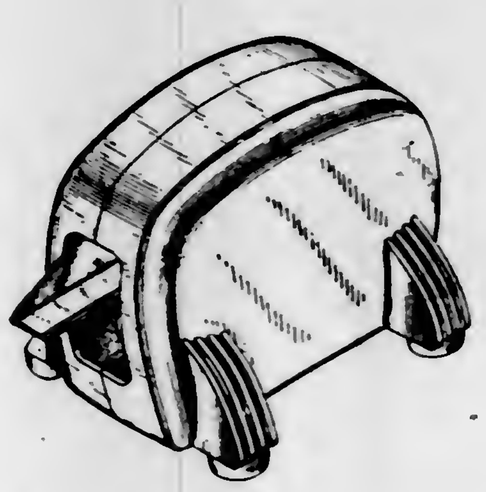
Jack Greenberg and Benjamin Fortgang, New York, N. Y.
Application October 19, 1946, Serial No. 134,091
Term of patent 14 years
(Cl. D3—4)



The ornamental design for a leather jacket, substantially as shown.

146,473
DESIGN FOR AN ADHESIVE TAPE DISPENSER

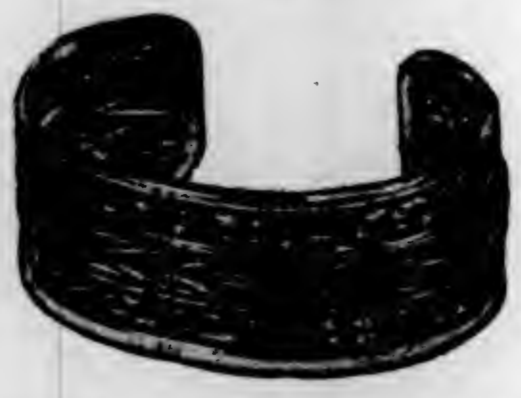
Theodore H. Krueger, Stratford, Conn., assignor to Better Packages Incorporated, Shelton, Conn., a corporation of New York
Application June 8, 1946, Serial No. 130,538
Term of patent 14 years
(Cl. D74—1)



The ornamental design for an adhesive tape dispenser, substantially as shown and described.

146,474
DESIGN FOR A BRACELET

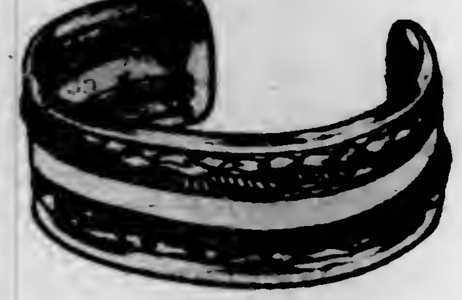
James C. Krutz, Charleroi, Pa., assignor to National Steel Fabric Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application May 11, 1946, Serial No. 129,624
Term of patent 7 years
(Cl. D45—4)



The ornamental design for a bracelet, as shown.

146,475
DESIGN FOR A BRACELET

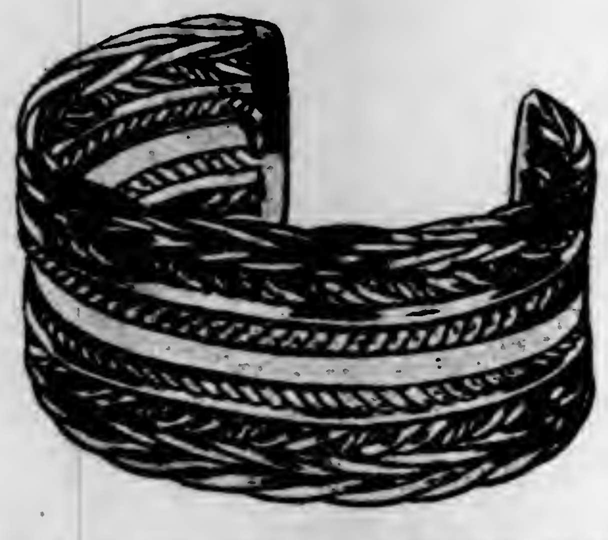
James C. Krutz, Charleroi, Pa., assignor to National Steel Fabric Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application May 11, 1946, Serial No. 129,625
Term of patent 3½ years
(Cl. D45—4)



The ornamental design for a bracelet, as shown.

146,476
DESIGN FOR A BRACELET

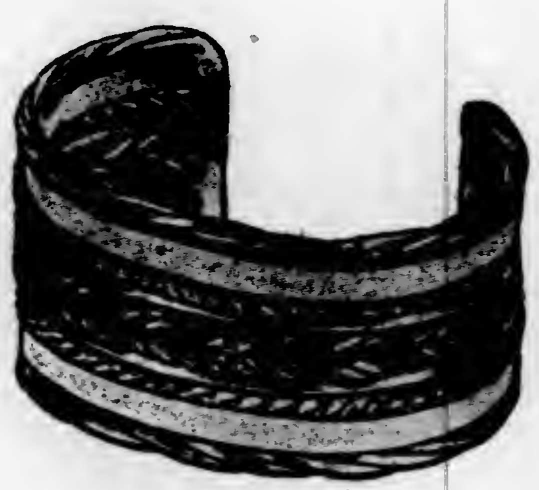
James C. Krutz, Charleroi, Pa., assignor to National Steel Fabric Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application May 11, 1946, Serial No. 129,628
Term of patent 3½ years
(Cl. D45—4)



The ornamental design for a bracelet, as shown.

146,477
DESIGN FOR A BRACELET

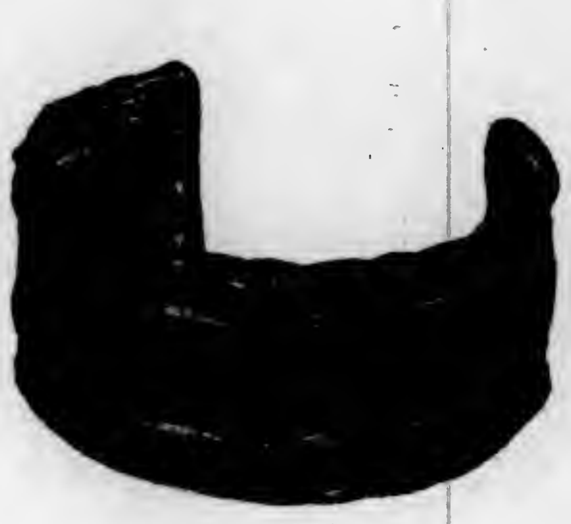
James C. Krutz, Charleroi, Pa., assignor to National Steel Fabric Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application May 11, 1946, Serial No. 129,629
Term of patent 3½ years
(Cl. D45—4)



The ornamental design for a bracelet, as shown.

146,478
DESIGN FOR A BRACELET

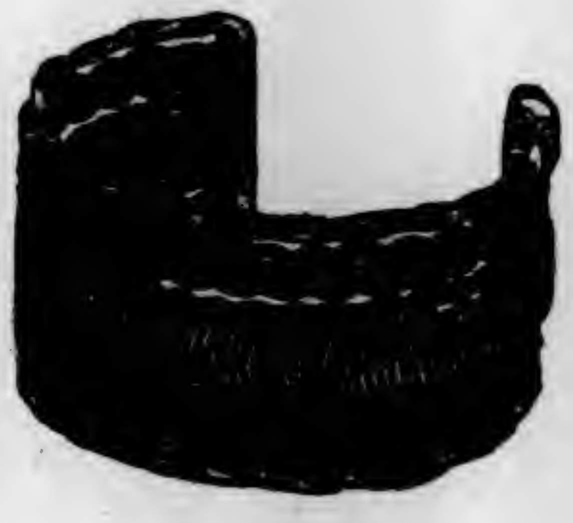
James C. Krutz, Charleroi, Pa., assignor to National Steel Fabric Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application May 11, 1946, Serial No. 129,630
Term of patent 7 years
(Cl. D45—4)



The ornamental design for a bracelet, as shown.

146,479
DESIGN FOR A BRACELET

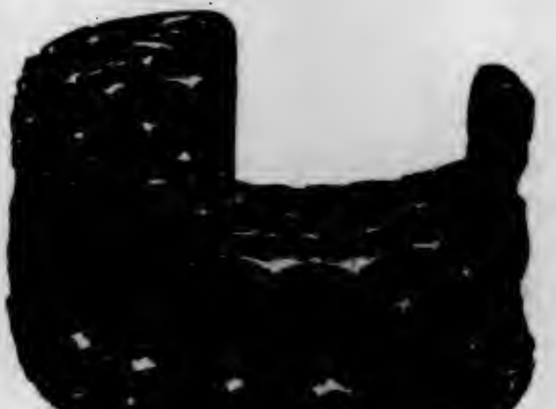
James C. Krutz, Charleroi, Pa., assignor to National Steel Fabric Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application May 11, 1946, Serial No. 129,632
Term of patent 7 years
(Cl. D45—4)



The ornamental design for a bracelet, as shown.

146,480
DESIGN FOR A BRACELET

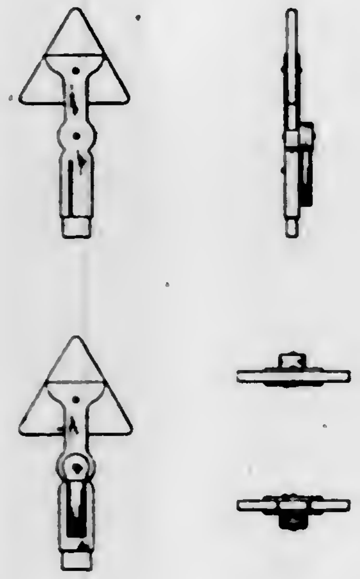
James C. Krutz, Charleroi, Pa., assignor to National Steel Fabric Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application May 11, 1946, Serial No. 129,633
Term of patent 7 years
(Cl. D45—4)



The ornamental design for a bracelet, as shown.

146,481
DESIGN FOR A COMBINED TYPEWRITER ERASER, BRUSH, AND CHALK HOLDER

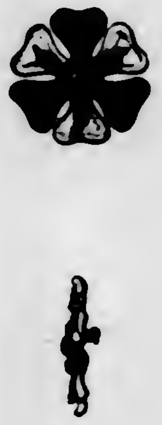
Olive C. Manheimer, Cleveland, Ohio
Application May 13, 1946, Serial No. 129,641
Term of patent 7 years
(Cl. D74—7)



The ornamental design for a combined typewriter eraser, brush, and chalk holder, substantially as shown.

146,482
DESIGN FOR A JEWELRY PIN OR SIMILAR ARTICLE

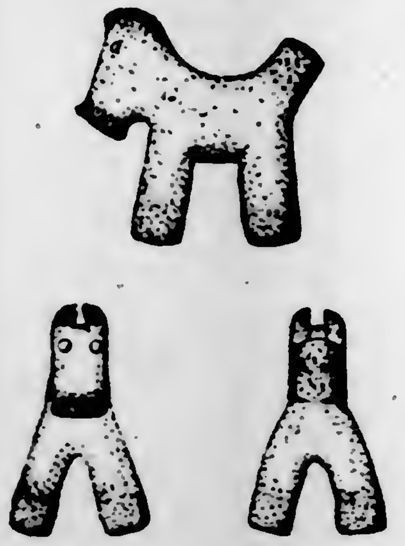
Julio Marsella, Providence, R. I.
Application May 14, 1946, Serial No. 129,697
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a jewelry pin or similar article, substantially as shown.

146,483
DESIGN FOR A TOY DOG OR THE LIKE

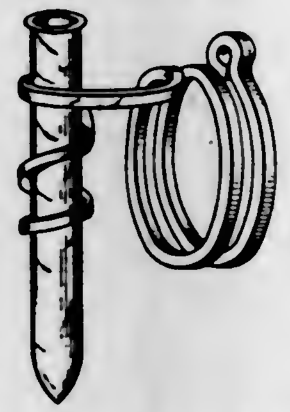
Horace A. Mauney, Lincolnton, N. C.
Application June 18, 1946, Serial No. 130,831
Term of patent 14 years
(Cl. D34—2)



The ornamental design for a toy dog or the like, as shown.

146,484
DESIGN FOR A FLOWER HOLDER

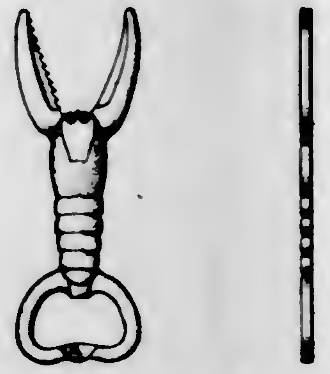
Frank N. Moore, Chicago, Ill.
Application January 18, 1946, Serial No. 125,701
Term of patent 3½ years
(Cl. D35—3)



The ornamental design for a flower holder, as shown and described.

146,485
DESIGN FOR A BOTTLE OPENER

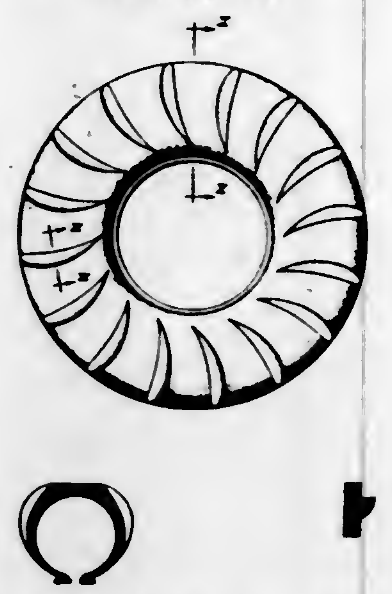
Frank Mossberg, Attleboro, Mass.
Application January 12, 1946, Serial No. 125,516
Term of patent 14 years
(Cl. D44—29)



The ornamental design for a bottle opener, substantially as shown.

146,486
DESIGN FOR AN AERODYNAMIC TIRE

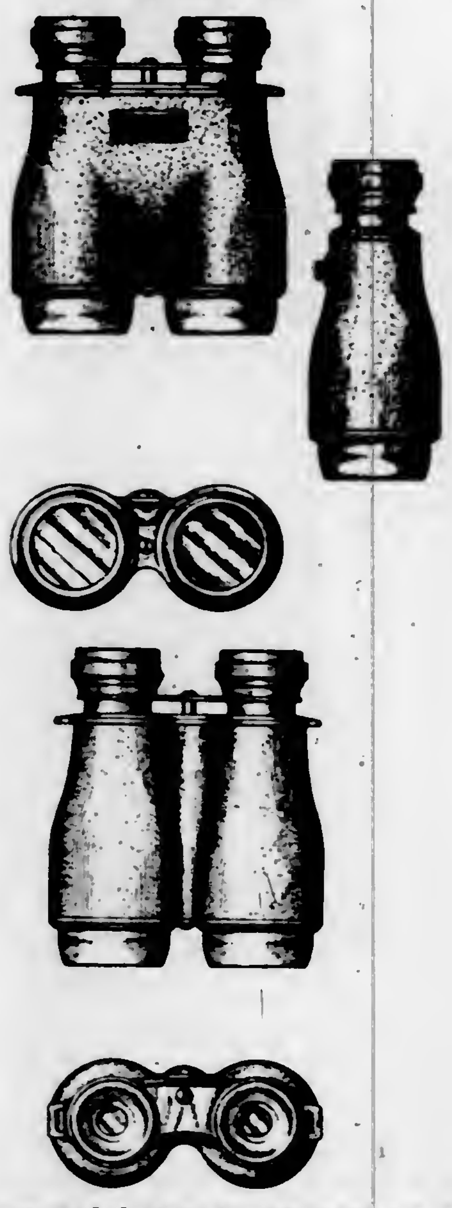
Albin K. Peterson, Redondo Beach, Calif.
Application January 21, 1946, Serial No. 125,817
Term of patent 14 years
(Cl. D90—20)



The ornamental design for an aerodynamic tire, substantially as shown.

146,487
DESIGN FOR BINOCULARS

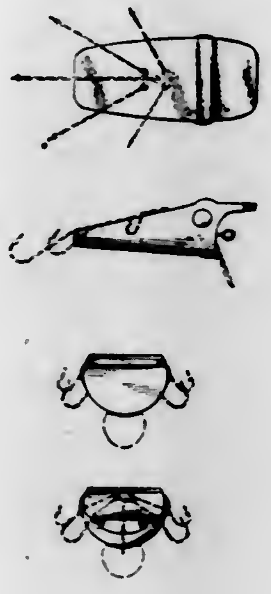
Robert W. Shields, Chicago, Ill., assignor to Century Scientific Products, Inc., Chicago, Ill., a corporation of Illinois
Application June 14, 1946, Serial No. 130,710
Term of patent 14 years
(Cl. D57—1)



The ornamental design for binoculars, as shown.

146,488
DESIGN FOR A FISH LURE

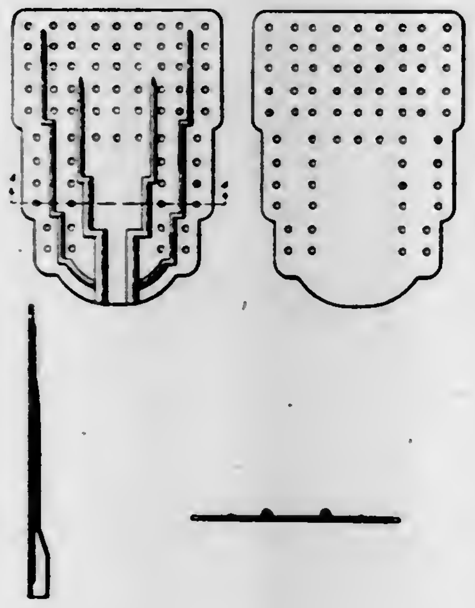
Jay E. Short, Delta, Ohio
Application February 12, 1946, Serial No. 126,516
Term of patent 7 years
(Cl. D31—4)



The ornamental design for a fish lure, substantially as shown and described.

146,489
DESIGN FOR A FLY-SWATTER BLADE

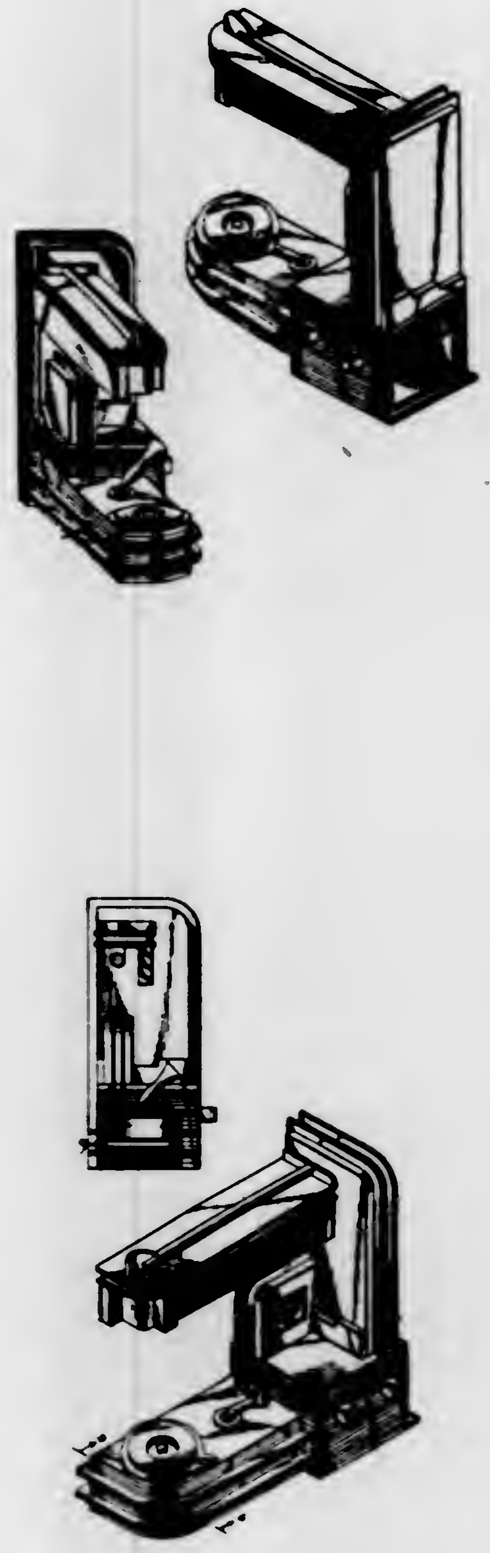
Charles A. Sivon, Painesville, Ohio
Application November 30, 1945, Serial No. 124,243
Term of patent 14 years
(Cl. D31—3)



The ornamental design for a fly-swatter blade, substantially as shown.

146,490
DESIGN FOR A COMBINATION DESK UNIT

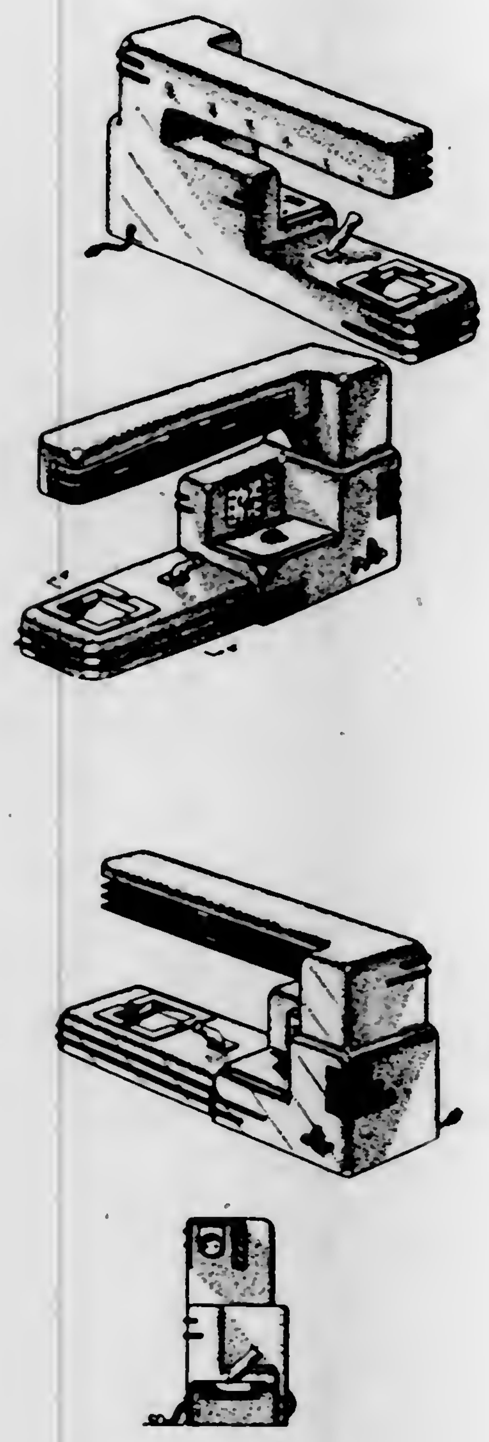
Joseph J. Swartzmiller, Carnegie, Pa.
Application June 29, 1945, Serial No. 120,397
Term of patent 14 years
(Cl. D48—20)



The ornamental design for a combination desk unit, substantially as shown.

146,491
DESIGN FOR A COMBINATION CLOCK AND DESK UNIT

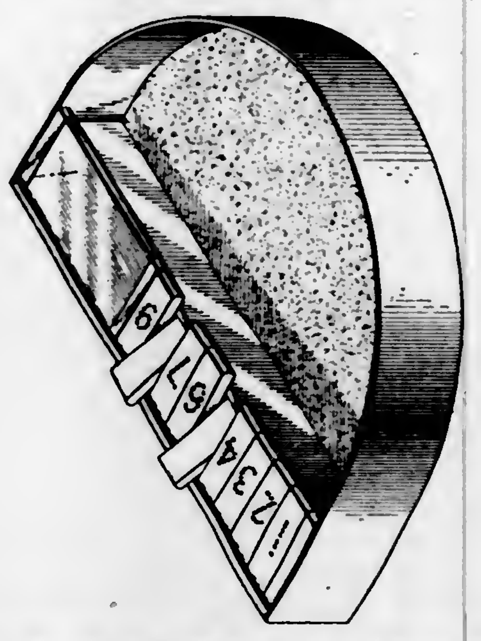
Joseph J. Swartzmiller, Carnegie, Pa.
Application June 24, 1946, Serial No. 130,988
Term of patent 3½ years
(Cl. D42—7)



The ornamental design for a combination clock and desk unit, substantially as shown.

146,492
DESIGN FOR A GAME APPARATUS

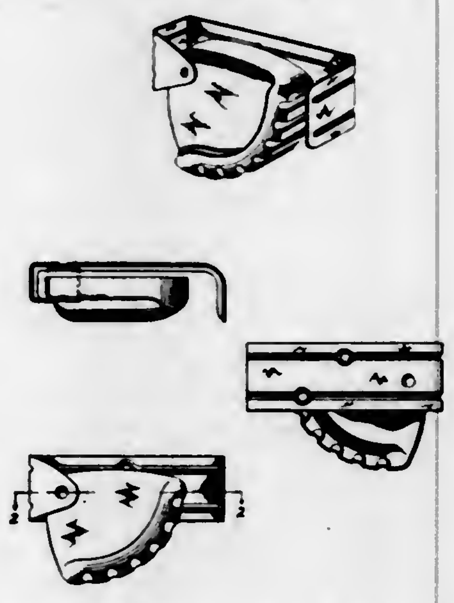
Wayne L. Thompson, Eightyfour, Pa., assignor to Toyad Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application July 30, 1945, Serial No. 121,066
Term of patent 14 years
(Cl. D34—5)



The ornamental design for a game apparatus, substantially as shown and described.

146,493
DESIGN FOR A TOOL AND IMPLEMENT HOLDER

Alfred W. Wickesberg and Edward C. Klotz, Jr., Milwaukee, Wis.; said Klotz assignor to said Wickesberg
Application November 28, 1945, Serial No. 124,150
Term of patent 7 years
(Cl. D44—29)



The ornamental design for a tool and implement holder, as shown.

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce
W. AVERELL HARRIMAN, *Secretary*

U. S. Patent Office
CASPER W. OOMS, *Commissioner*

PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

Contents

Page
Issue of March 25, 1947 441
Patents Expiring 441
Applications Under Examination 442

Decisions of the U. S. Courts

J. S. Ivins' Son, Inc. v. Lamont, Corliss & Company 443
In re Luxenberger et al. 444

Notices

Notice of Cancellation 446
Adverse Decisions in Interference 446
Disclaimer 447
Changes in Classification 447
Register of Patents Available for Licensing or Sale 456
Bulletin of Decisions of Patent Office on Trade-Marks 459
Trade-Marks Published (159 Applications) 463
Trade-Mark Registrations Granted 483
Trade-Mark Registrations Renewed 498
Reissues 503
Plant Patents 504
Patents Granted 505
Designs 580

March 25, 1947

Trade-Marks	260—No.	428,369	to No.	428,628, inclusive
T. M. Renewals. . . .	91			
Reissues	4—No.	22,855	to No.	22,858, inclusive
Plant Patents.	8—No.	725	to No.	732, inclusive
Patents	306—No.	2,417,803	to No.	2,418,108, inclusive
Designs	40—No.	146,494	to No.	146,533, inclusive
Total	709			

Patents expiring: Patent Numbers 1,751,461 to 1,752,284, inclusive, issued March 25, 1930, expire March 25, 1947

Condition of Applications Under Examination at Close of Business March 7, 1947

(Total number of applications awaiting action, excluding Trade-Mark Division, 142,542; Trade-Mark Division, 12,655. Oldest new case, June 27, 1945; oldest amended, June 11, 1945.)
(The dates given are 1945 except where * indicates 1946.)

Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action		No. of applications awaiting action
	New	Amended	
1. GOLDBERG, A. J., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	Aug. 10	Oct. 22	2634
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	Oct. 12	Oct. 8	3382
3. SCHIMMEL, J., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	Sept. 8	Oct. 5	2020
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Package and Article Carriers; Pneumatic Dispatch; Store Service; Mining, Quarrying, and Ice Harvesting.	Nov. 13	Nov. 2	2790
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	July 2	July 2	4289
6. GENIESSE, E. W., Carbon Chemistry (part)	*Jan. 11	*Feb. 2	1891
7. HANLIN, GEORGE, Optics, Photography	*Mar. 15	*Jan. 29	1921
8. IMUS, A. E., Furniture; Kitchen and Table Articles; Racks and Cabinets	Sept. 27	Sept. 21	3749
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	Sept. 25	Aug. 29	2256
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Modulators.	Nov. 27	Nov. 27	1468
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	*June 17	*June 6	784
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	Oct. 29	Oct. 30	2716
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	June 29	Aug. 6	2248
14. FREEHOF, H. B., Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	Nov. 21	Dec. 11	1504
15. HENKIN, B., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Heterocyclic Compounds (part); Plastics.	*Mar. 10	*Jan. 1	1261
16. LOVEWELL, N. N., Telegraphy; Telephony	*Jan. 29	*Jan. 30	1250
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Dec. 8	Nov. 10	1254
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	July 31	July 25	1924
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	*Jan. 7	Dec. 26	1768
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection: Safes.	Sept. 15	Aug. 28	2145
21. THOMPSON, T. J., Textiles	*Mar. 18	*May 31	915
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Nov. 2	Nov. 15	1941
23. LEWIS, J. B., Cash Registers; Calculators (part)	Dec. 1	Oct. 1	236
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	*July 2	*July 24	1530
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Sept. 13	Oct. 15	1681
26. YOUNG, R. R., Electricity—Generation and Motive Power	Oct. 31	Nov. 5	2112
27. JAMES, S., Brush, Broom, and Mop Making; Brushing, Scrubbing, Cleaning; Liquid Contact with Solids;	Nov. 28	Nov. 26	2318
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons	Oct. 16	Aug. 6	1604
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools	Sept. 28	Nov. 3	2477
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	Nov. 19	Nov. 23	2425
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	*Sept. 5	*Sept. 3	729
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Nov. 23	Nov. 13	2390
33. KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	Oct. 10	Oct. 10	3481
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators	Nov. 26	Dec. 14	1326
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Nov. 6	Dec. 22	2265
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	Aug. 10	Sept. 14	1882
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Nov. 14	*Jan. 5	1500
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part); Rubber (part); Ornamentation	*Jan. 21	*Jan. 19	1393
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	Aug. 17	Aug. 13	2567
40. DRUMMOND, E. J., Receptacles (part); Packages	Nov. 8	Dec. 18	2861
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Nov. 8	Nov. 1	875
42. MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters	*Mar. 26	*Apr. 11	1005
43. STONE, I. G., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	Dec. 13	Nov. 5	1070
44. HARVEY, L. P., Refrigeration; Preserving	July 12	Aug. 27	1368
45. LISANN, I., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Spring, Weight and Horsepower Motors.	Oct. 3	Sept. 20	2464
46. MUSHAKE, W. I., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Dec. 27	*Jan. 3	1657
47. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	Dec. 27	*Jan. 7	2850
48. BERNSTEIN, S., Electricity, General Applications; Electric Igniters	Aug. 25	Aug. 27	2031
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Nov. 19	Oct. 29	1561
50. LEVIN, SAMUEL, Synthetic Resins	*Jan. 26	*Jan. 26	2442
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae).	Oct. 19	Oct. 18	2203
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	Nov. 30	Nov. 23	3314
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	June 27	June 11	4127
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	Oct. 24	Nov. 14	2136
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	Sept. 14	Oct. 26	1881
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	Dec. 22	Dec. 12	1455
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Aug. 10	Oct. 3	3056
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	*Feb. 8	*Feb. 19	1407
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part)	Sept. 11	Sept. 13	2112
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	Sept. 26	Dec. 29	1938
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys and Ships.	Oct. 26	Oct. 12	2639
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	July 20	Aug. 1	4012
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	Nov. 20	Oct. 22	2003
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	*Aug. 10	*Aug. 9	1097
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	Sept. 12	Sept. 20	2303
TRADE-MARKS: MERCHANT, J. H.	*Mar. 30	*Oct. 3	12655
DESIGNS: BREHM, G. L., Acting	*Jan. 17	*Oct. 11	8449

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

A. P. W. Products Company, Inc., Albany, N. Y. Paper for toilet purposes. Serial No. 496,679; Mar. 25. Class 37.

Abalone Manufacturing Company, Hawthorne, Calif. Venetian blinds. Serial No. 502,361; Mar. 25. Class 32.

Abbott Laboratories, North Chicago, Ill. Multiple vitamin preparation. Serial No. 501,298; Mar. 25. Class 6.

Affiliated Engineering Products: *See*—
Ford, John R.

American Cyanamid & Chemical Corporation, assignor to American Cyanamid Company, New York, N. Y. Insecticides in liquid spray and dust form and ant poisons. Serial No. 503,412; Mar. 25. Class 6.

American Cyanamid Company, assignee: *See*—
American Cyanamid & Chemical Corporation.

American Cyanamid Company, New York, N. Y. Natural Florida phosphate. Serial No. 501,225; Mar. 25. Class 10.

American Engineering Company, Philadelphia, Pa. Pumps, hydraulic power transmissions, steering gears, etc. Serial No. 499,885; Mar. 25. Class 23.

Anchor Hocking Glass Corporation, Lancaster, Ohio. Closure caps. Serial No. 502,093; Mar. 25. Class 50.

Anheuser-Busch, Inc., St. Louis, Mo. Bouillon powder and food flavoring material. Serial No. 506,632; Mar. 25. Class 46.

Arkwright, Incorporated, New York, N. Y. Lawnmowers, lawn sprayers, spray-guns, etc. Serial No. 489,706; Mar. 25. Class 23.

Armstrong Cork Company, Manheim Township, Pa. Hard surfaced floor covering. Serial No. 504,732; Mar. 25. Class 20.

Arnold, Howard, Company, Chicago, Ill. Finger nail clippers, manicure scissors, manicure files, etc. Serial No. 497,097; Mar. 25. Class 44.

Associated Products, Inc., Chicago, Ill. Manicure implement sets, manicure scissors, nail files, etc. Serial No. 497,362; Mar. 25. Class 44.

Babcock & Wilcox Company, The, New York, N. Y. Firebrick; insulating firebrick; and refractory materials. Serial No. 493,474; Mar. 25. Class 12.

Balcrank, Inc., Cincinnati, Ohio. Hand operated grease pumps. Serial No. 492,417; Mar. 25. Class 23.

Bauer, Dave S., Chemical Co., The: *See*—
Izard, Henry.

Beard, Joseph D., doing business as Riverside Wood Products Company, Riverside, Calif. Playground equipment. Serial No. 489,788; Mar. 25. Class 22.

Belvedere Fabrics Inc., New York, N. Y. Piece goods of rayon, cotton, and mixtures of rayon and cotton, etc. Serial No. 400,916; Mar. 25. Class 42.

Bogen, David, Company, Inc., New York, N. Y. Sound equipment. Serial No. 481,938; Mar. 25. Class 21.

Bottled Gas Company of America, The, Westfield, N. J. Bottled gas. Serial Nos. 504,320–1; Mar. 25. Class 6.

Brainerd Bedding Co., Brainerd, Minn. Mattresses, inner springs, studio couches, and box springs. Serial No. 501,360; Mar. 25. Class 32.

Brenner-Bell, Inc., Columbus, Ohio. Portable cabinet. Serial No. 497,365; Mar. 25. Class 32.

Brown & Bigelow, St. Paul, Minn. Art prints and publications. Serial No. 487,763; Mar. 25. Class 38.

Bruce, E. L., Co., Memphis, Tenn. Combined brush and steel wool pad. Serial No. 503,631; Mar. 25. Class 29.

Buell, E. B., doing business as Vitagas Company, Jefferson City, Mo. Natural gas. Serial No. 501,633; Mar. 25. Class 6.

California Canners Associates, Los Angeles, Calif. Canned fruit juices. Serial No. 506,007; Mar. 25. Class 46.

Canter, George, doing business as Security Mfg. Co., New York, N. Y. Liquid cleaning preparation. Serial No. 495,861; Mar. 25. Class 4.

Celanese Corporation of America, New York, N. Y. Box covers, display boxes, containers and fronts for containers. Serial No. 497,702; Mar. 25. Class 2.

Chicago Printed String Company, Chicago, Ill. Tape and ribbon. Serial No. 485,524; Mar. 25. Class 7.

Chicago Printed String Company, Chicago, Ill. Wrapping string or tape. Serial No. 509,920; Mar. 25. Class 7.

Clarostat Mfg. Co. Inc., Brooklyn, N. Y. Resistors, fixed resistors, power resistors, etc. Serial Nos. 503,634–5; Mar. 25. Class 21.

Clemens, Charles W., Jr., South Bend, Ind. Shoulder supported infant carrying seats. Serial No. 505,390; Mar. 25. Class 19.

Consolidated Cosmetics, Chicago, Ill. Fountain pen ink, carbon paper, typewriter ribbon, tattooing ink. Serial No. 501,439; Mar. 25. Class 11.

Continental-United Industries Co., Inc., assignee: *See*—
Sullivan, J., & Sons Manufacturing Company.

Corona Mfg. Co.: *See*—
Elias, Senta.

Cosmos Dental Products, Inc., New York, N. Y. Powder for use in making artificial stones used in preparation of denture models. Serial No. 515,476; Mar. 25. Class 44.

Croasdale & De Angelis, Incorporated, Haverford Township, Delaware County, Pa. Floral vases, handkerchief boxes, face powder boxes, etc. Serial No. 486,937; Mar. 25. Class 2.

Culligan Zeolite Company, Northbrook, Ill. Base exchange material commonly known as carbonaceous or organic type zeolite. Serial No. 489,206; Mar. 25. Class 6.

Curran Cushion & Textile Co., Downers Grove, Ill. Dolls. Serial No. 492,763; Mar. 25. Class 22.

Daumit, Kay, Inc., Chicago, Ill. Body lotion. Serial No. 501,119; Mar. 25. Class 6.

Daviot Company, Los Angeles, Calif. Resilient, removable insoles. Serial No. 502,367; Mar. 25. Class 39.

De Kurowski, Julian B., London, England. Clocks. Serial No. 505,288; Mar. 25. Class 27.

Doehler-Jarvis Corporation, New York, N. Y. Non-ferrous metal alloy and castings. Serial No. 483,719; Mar. 25. Class 14.

Doho Chemical Corporation, New York, N. Y. Medicated preparation. Serial No. 501,833; Mar. 25. Class 6.

Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Gymnasium pads. Serial No. 490,364; Mar. 25. Class 22.

Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Cushions, mattresses, and mattress pads, etc. Serial No. 490,365; Mar. 25. Class 32.

Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Pads for operating tables, examining tables, and treatment tables. Serial No. 490,366; Mar. 25. Class 44.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Fertilizers. Serial No. 502,503; Mar. 25. Class 10.

Eggleton, Cecil E., Minneapolis, Minn. Liquid preparation for cleaning jewelry. Serial No. 491,071; Mar. 25. Class 4.

Electronic Water Treatment Corp., New York, N. Y., and Jersey City, N. J. Apparatus for the electrical treatment of water to prevent or diminish the effect of the hardness thereof. Serial No. 506,235; Mar. 25. Class 21.

Elias, Senta, doing business as Corona Mfg. Co., New York, N. Y. Simulated pearls and costume jewelry. Serial No. 506,742; Mar. 25. Class 28.

Erie Resistor Corporation, Erie, Pa. Electrical condenser assemblies and parts thereof. Serial No. 498,760; Mar. 25. Class 21.

Farquhar Furnace Company, The, Wilmington, Ohio. Coal, oil and gas burning furnaces. Serial No. 508,278; Mar. 25. Class 34.

Filcoolator Manufacturing Company, Culver City, Calif. Combination oil filter and heat exchanger. Serial No. 504,828; Mar. 25. Class 23.

Flexible File Company, Fremont, Ohio. Desk sets. Serial No. 502,281; Mar. 25. Class 50.

Ford, John R., doing business as Affiliated Engineering Products, Norfolk, Va. Preparation for removing grease. Serial No. 501,125; Mar. 25. Class 4.

General Machine Company, Inc., Emmaus, Pa. Automatic domestic coal burners and stokers. Serial No. 513,932; Mar. 25. Class 34.

General Shoe Corporation, Nashville, Tenn. Women's, misses', and children's shoes, slippers, mules, and pumps. Serial No. 502,890; Mar. 25. Class 39.

General Utilities Corporation, Philadelphia, Pa. Fuel oil-burning boilers and burners, and pumps and tanks. Serial No. 506,596; Mar. 25. Class 34.

General Utilities Corporation, Philadelphia, Pa. Oil burners, oil boilers, oil furnaces, etc. Serial No. 506,597; Mar. 25. Class 34.

Gilliam Candy Company, Paducah, Ky. Candy. Serial No. 504,547; Mar. 25. Class 46.

Gold Seal Co., Bismarck, N. Dak. Glass cleaner and polish. Serial No. 492,040; Mar. 25. Class 4.

Good-Mark Products Company, Grand Rapids, Mich. Cosmetics, specifically hand lotion, oral deodorant, and external deodorant. Serial No. 497,475; Mar. 25. Class 6.

Goodwins, Inc., Los Angeles, Calif. Men's shoes, slippers, and sport shoes. Serial No. 505,644; Mar. 25. Class 39.

Graf Company, Union City, N. J. Curtains, bed spreads, dressing table skirts, etc. Serial No. 478,684; Mar. 25. Class 42.

Grant Photo Products, Inc., New York, N. Y. Sensitized photographing paper. Serial No. 488,753; Mar. 25. Class 26.

Green, Albert T., & Co., New York, N. Y. Compound for washing dishes, glassware, silverware, etc. Serial No. 496,307; Mar. 25. Class 4.

Hallemite Manufacturing Company, The, Cleveland, Ohio. Fibrated and unfibrated asphalt mastic. Serial No. 507,393; Mar. 25. Class 12.

Hanson, Henry L., Company, North Attleboro, Mass. Threading tools. Serial No. 492,044; Mar. 25. Class 23.

Helfer & Co., Chicago, Ill. Finger rings and mountings therefor. Serial No. 501,846; Mar. 25. Class 28.

Hemphill, Edward C., doing business as Sleep Shade Co., San Francisco, Calif. Ear stops or plugs for deadening noises. Serial No. 514,474; Mar. 25. Class 44.

Hevener, Osborn F., Irvington, N. J. Humidity indicators. Serial No. 503,168; Mar. 25. Class 26.

Higgins, Inc., New Orleans, La. Prefabricated, plasticized bonded plywood, cabin units. Serial No. 505,650; Mar. 25. Class 19.

Holliday, L. B., & Company, Limited, Huddersfield, England. Dyes used for coloring textiles and other materials. Serial No. 494,746; Mar. 25. Class 6.

Hoppi-Copters, Inc., Seattle, Wash. Rotary wing aircraft. Serial No. 503,517; Mar. 25. Class 19.

Hukill, Harry E., doing business as Hukill Manufacturing Company, Hollywood, Calif. Foot exercising cushions in the nature of arch restorers. Serial No. 489,328; Mar. 25. Class 44.

Hukill Manufacturing Company: *See*—
Hukill, Harry E.

I. P. Container Corporation, Somerville, Mass. Boxes. Serial No. 497,665; Mar. 25. Class 2.

I. P. Container Corporation, Somerville, Mass. Boxes. Serial No. 497,716; Mar. 25. Class 2.

International Laboratories, Chicago, Ill. Dietetic medicinal preparation. Serial No. 502,825; Mar. 25. Class 6.

Izard, Henry, doing business as The Dave S. Bauer Chemical Co., Mobile, Ala. Medicated and antiseptic powder. Serial No. 499,414; Mar. 25. Class 6.

Janssen, Lee H., doing business as Michigan State Hatchery, Corunna, Mich. Live turkeys. Serial No. 500,393; Mar. 25. Class 46.

Johnson Laboratories, Chicago, Ill. Dishwashing powder. Serial No. 501,987; Mar. 25. Class 4.

Kalamazoo Sled Company, The, Kalamazoo, Mich. Hand sleds. Serial Nos. 511,395–6; Mar. 25. Class 22.

Knapp, Milton S., Haverton, Pa. Game. Serial No. 501,576; Mar. 25. Class 22.

Koester, E. H., Bakery Company, The, Baltimore, Md. Bakery products. Serial No. 487,783; Mar. 25. Class 46.

Les Laboratoires de la Jeunesse, S. A. R. L., Paris, France. Perfumes, toilet waters, and colognes, etc. Serial No. 502,904; Mar. 25. Class 6.

Lincoln Engineering Company, St. Louis, Mo. Portable and stationary lubricating apparatus. Serial No. 500,989; Mar. 25. Class 23.

Lindemann, A. J., & Hoverson Company, Milwaukee, Wis. Electric stoves and ranges and electrical ovens. Serial No. 505,966; Mar. 25. Class 21.

Littelfuse Incorporated, Chicago, Ill., and El Monte, Calif. Electrical fuses, electrical fuse mountings, electrical fuse clips, etc. Serial No. 489,916; Mar. 25. Class 21.

M & R Dietetic Laboratories, Inc., Columbus, Ohio. Condensed milk product. Serial No. 499,256; Mar. 25. Class 46.

Maas & Waldstein Company, Newark, N. J. Plastic substances sold in solid and in solution form. Serial No. 488,354; Mar. 25. Class 6.

Marcus, Morris L., Pittsburgh, Pa. Cloth or fabric bags. Serial No. 495,080; Mar. 25. Class 2.

Maryland Lime & Fertilizer Corp., Hagerstown, Md. Fertilizer. Serial No. 502,311; Mar. 25. Class 10.

McKesson & Robbins, Incorporated, New York, N. Y. Soap. Serial No. 503,109; Mar. 25. Class 4.

Metalite, Inc., Meriden, Conn. Friction pyrophoric and catalytic cigar, cigarette, and pipe lighters, and parts for such lighters. Serial No. 509,433; Mar. 25. Class 34.

Michigan State Hatchery: *Sc*—
Janssen, Lee H.

Midland Company, The, South Milwaukee, Wis. Seeders, combination seeders, and cultivators, etc. Serial No. 502,392; Mar. 25. Class 23.

Mid-West Popcorn Company, Omaha, Nebr. Popcorn. Serial No. 499,340; Mar. 25. Class 46.

Miles Laboratories, Inc., Elkhart, Ind. Analgesic product. Serial No. 505,221; Mar. 25. Class 6.

Monsanto Chemical Company, St. Louis, Mo. Synthetic resins for general use in the treatment of textiles. Serial No. 494,348; Mar. 25. Class 6.

Monsanto Chemical Company, St. Louis, Mo. Chemical products. Serial No. 505,765; Mar. 25. Class 6.

Mutual International Corporation, New York, N. Y. Toy phonographs. Serial No. 515,720; Mar. 25. Class 22.

Narf Company, The: *See*—
Schaefer, Frank J.

National Metal Products Company, Kansas City, Mo. Power driven mowing machine. Serial No. 504,504; Mar. 25. Class 23.

National Model Railroad Association, Detroit, Mich. Model miniature railroads and parts thereof and accessories therefor. Serial No. 486,327; Mar. 25. Class 22.

New England Confectionery Company, Cambridge, Mass. Candy. Serial No. 491,168; Mar. 25. Class 46.

New Haven Clock Company, The, assignor to New Haven Clock and Watch Company, New Haven, Conn. Clocks, watches, and parts thereof. Serial No. 501,269; Mar. 25. Class 27.

New Haven Clock and Watch Company, assignee: *See*—
New Haven Clock Company, The.

Ohio Chemical & Mfg. Co., The, Cleveland, Ohio. Sterilizers, appliances, and dressings. Serial No. 496,727; Mar. 25. Class 44.

Okonite Company, The, Passaic, N. J. Electrical insulating tape. Serial No. 501,588; Mar. 25. Class 21.

Osborn Manufacturing Company, The, Cleveland, Ohio. Wire brushes forming parts of industrial machines. Serial No. 490,441; Mar. 25. Class 23.

Page, E. C., doing business as Page Testing Laboratory, Ventura, Calif. Chemical compound. Serial No. 512,015; Mar. 25. Class 6.

Page Testing Laboratory: *See*—
Page, E. C.

Pal Blade Co., Inc., New York, N. Y. Razor blades. Serial No. 504,576; Mar. 25. Class 23.

Park, Tracy S., Houston, Tex. Golf clubs. Serial No. 506,765; Mar. 25. Class 22.

Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Insecticides. Serial No. 503,324; Mar. 25. Class 6.

Piper Aircraft Corporation, Lock Haven, Pa. Airplanes and structural parts thereof. Serial No. 500,123; Mar. 25. Class 19.

Plymouth Cordage Company, Plymouth, Mass. Binder twine. Serial No. 502,840; Mar. 25. Class 7.

Plystone Company: *See*—
Shelton, Carl M.

Pond Garden Tractor Company: *See*—
Pond, Harold E.

Pond, Harold E., doing businss as Pond Garden Tractor Company, Ravenna, Ohio. Rotary type garden tractors. Serial No. 489,676; Mar. 25. Class 23.

Power-Pak Products Inc., Buffalo, N. Y. Tire inflation and fire extinguishing unit. Serial No. 502,841; Mar. 25. Class 23.

Precision Tool and Gage Co., Monterey Park, Calif. Scissor sharpening abrasive stone and holder therefor. Serial No. 497,627; Mar. 25. Class 4.

Premier Popcorn Association, doing business as Premier Popcorn Co., Maple Park, Ill. Popcorn. Serial No. 488,773; Mar. 25. Class 46.

Premier Popcorn Co.: *See*—
Premier Popcorn Association.

Procter & Gamble Company, The, Cincinnati, Ohio. Shampoo. Serial No. 501,530; Mar. 25. Class 6.

Rabon Company, The, Tullahomo, Tenn. Buttons. Serial No. 508,821; Mar. 25. Class 40.

Republic Precision Mfg. Co., Chicago, Ill. Toy metal furniture sets. Serial No. 492,791; Mar. 25. Class 22.

Riverside Wood Products Company: *See*—
Beard, Joseph D.

Rosens, Edmond, Paris, France. Perfumes, toilet waters, rouge, etc. Serial Nos. 505,010–11; Mar. 25. Class 6.

Royal Knitting Mills, Inc., Chicago, Ill. Knitted wear. Serial No. 503,391; Mar. 25. Class 39.

S & S Heating Company, Detroit, Mich. Gas burners for space heaters. Serial No. 500,830; Mar. 25. Class 34.

Sanita Chemical & Supply Company, Indianapolis, Ind. Concentrated sprayable weed killer liquid. Serial No. 503,602; Mar. 25. Class 6.

Schaefer, Frank J., doing business under the name of The Narf Company, St. Louis, Mo. Solvents in the nature of chemical solvents. Serial No. 499,858; Mar. 25. Class 6.

Security Mfg. Co.: *See*—
Canter, George.

Shelton, Carl M., doing business as Plystone Company, Columbia, S. C. Semi-liquid floor resurfacing material. Serial No. 498,258; Mar. 25. Class 12.

Sherman Paper Products Corporation, Newton, Mass. Paperboard packaging tube. Serial No. 496,868; Mar. 25. Class 2.

Shurebite Inc., Bronson, Mich. Fish lures. Serial No. 511,248; Mar. 25. Class 22.

Silverman, Renée H., New York, N. Y. Dress patterns. Serial No. 462,858; Mar. 25. Class 26.

Sleep Shade Co.: *See*—
Hemphill, Edward C.

Sock-It Company, High Point, N. C. Toy tops. Serial No. 515,686; Mar. 25. Class 22.

Southern Advance Bag & Paper Co. Inc., Bangor, Maine, and Boston, Mass. Paper bags. Serial No. 501,415; Mar. 25. Class 2.

Standard Cap and Seal Corporation, Chicago, Ill. Flexible moisture proof composition bags. Serial No. 497,345; Mar. 25. Class 2.

Stanley Works, The, New Britain, Conn. Hand planes. Serial Nos. 486,223–4; Mar. 25. Class 23.

Stegle, Helen E., Elsa, Tex. Fresh citrus fruits. Serial No. 506,700; Mar. 25. Class 46.

Sturdimatic Tool Co., Detroit, Mich. Lathe centers. Serial No. 490,511; Mar. 25. Class 23.

Sullivan, J., & Sons Manufacturing Company, Philadelphia, Pa., assignor to Continental-United Industries Co., Inc., New York, N. Y. Tapes and bindings. Serial No. 503,771; Mar. 25. Class 39.

Sunbeam Anti-Corrosives Limited, London, England. Chemical compounds. Serial No. 489,367; Mar. 25. Class 6.

Taylor, Taylor & Hobson Limited, Leicester, England. Photographic lenses. Serial No. 498,735; Mar. 25. Class 26.

Taylor, Taylor & Hobson Limited, Leicester, England. Cinematograph projection lenses. Serial No. 498,736; Mar. 25. Class 26.

Taylor, Taylor & Hobson Limited, Leicester, England. Photographic lenses. Serial No. 499,739; Mar. 25. Class 26.

Taylor, Taylor & Hobson Limited, Leicester, England. Engineers' measuring instruments. Serial No. 499,741; Mar. 25. Class 26.

Taylor, Taylor & Hobson Limited, Leicester, England. Surface roughness measuring instruments. Serial No. 499,742; Mar. 25. Class 26.

Trossman, Albert, doing business as Twi-Lite Bedding Company, Chicago, Ill. Mattresses, studio couches, and box springs. Serial No. 501,423; Mar. 25. Class 32.

Twi-Lite Bedding Company: *See*—
Trossman, Albert.

United States News Publishing Corporation, Washington, D. C. Periodical publications. Serial No. 492,477; Mar. 25. Class 38.

United States News Publishing Corporation, Washington, D. C. Section of periodical publications. Serial No. 498,043; Mar. 25. Class 38.

United States News Publishing Corporation, Washington, D. C. Section of periodical publications. Serial No. 498,046; Mar. 25. Class 38.

Universal Mfg. Co. Inc., New York, N. Y. Boys' pajamas. Serial No. 505,461; Mar. 25. Class 39.

Vamos, Alfred, Inc., New York, N. Y. Laminated textile fabrics in the piece. Serial No. 497,280; Mar. 25. Class 42.

Village Green Trailer Company, The, Media, Pa. Trailers. Serial No. 503,403; Mar. 25. Class 19.

Vitagas Company: *See*—
Buell, E. B.

Wallace Laboratories, Inc., New Brunswick, N. J. Preparation in liquid form for impetigo, etc. Serial No. 504,228; Mar. 25. Class 6.

Wallace Laboratories, Inc., New Brunswick, N. J. Preparation in liquid form for ringworm, etc. Serial No. 504,229; Mar. 25. Class 6.

Weill, Raphael, & Company, doing business as The White House, San Francisco, Calif. Women's hats. Serial No. 501,796; Mar. 25. Class 39.

Westin New Haven Company, Inc., Mount Carmel, Conn. Kayaks. Serial No. 503,028; Mar. 25. Class 19.

White House, The: *See*—
Weill, Raphael, & Company.

Winthrop Chemical Company, Inc., New York, N. Y. Antiseptic, disinfectant mouthwash. Serial No. 501,890; Mar. 25. Class 6.

Zippo-Copter Company, Longmeadow, Mass. Toy. Serial No. 496,058; Mar. 25. Class 22.

Zippo-Coptor Company, Longmeadow, Mass. Toy. Serial No. 496,059; Mar. 25. Class 22.

LIST OF REGISTRANTS OF TRADE-MARKS

Abbott Laboratories, North Chicago, Ill. Brominated vegetable oil. 428,545; Mar. 25; Serial No. 503,542; published Dec. 31, 1946. Class 46.

Achterberg, John F., doing business as The Can-O-Vegetables Company, El Paso, Tex. Packaged hominy. 428,567; Mar. 25. Class 46.

Aktiebolaget Svensk Pakklinga, Sandviken, Sweden. Safety razors and safety-razor blades. 218,077; renewed Sept. 21, 1946. O. G. Mar. 25. Class 23.

Allied Control Valve Co. Inc., The, South Norwalk, Conn. Solenoid valves. 428,463; Mar. 25; Serial No. 495,942; published Dec. 24, 1946. Class 21.

American Brass Company, The, Waterbury, Conn. Copper wire and copper-alloy wire. 223,645; renewed Feb. 8, 1947. O. G. Mar. 25. Class 14.

American Glass Art Co., New York, N. Y. Glass figurines. 428,449; Mar. 25; Serial No. 494,808; published Dec. 24, 1946. Class 50.

American Numismatic Association, Baltimore, Md., to American Numismatic Association, Wichita, Kans. Monthly publication relating to mediums of exchange. 223,263; renewed Jan. 25, 1947. O. G. Mar. 25. Class 38.

American Radar Corporation, Brooklyn, N. Y. Educational game devices. 428,456–7; Mar. 25; Serial Nos. :495,434–5; published Jan. 14, 1947. Class 22.

Ameron Wallet & Leather Novelty Co., New York, N. Y. Wallets, key cases, pocket secretaries, etc. 428,450–1; Mar. 25; Serial Nos. 494,809–10; published Jan. 7, 1947. Class 3.

Ampco Metal, Inc., Milwaukee, Wis. Electrical terminals and contacts. 428,384; Mar. 25; Serial No. 479,410; published Dec. 24, 1946. Class 21.

Anaconda Wire and Cable Company, New York, N. Y. Electric wires and cables. 428,513; Mar. 25; Serial No. 501,152; published Dec. 24, 1946. Class 21.

Angler's Products Co.: *See*—
Brunner, Sam W.

Antoine de Paris, Inc.: *See*—
Cierplikowski, Antoine.

Ard Products Co.: *See*—
Davis, Arthur N.

Arena, A., and Co., Ltd., Los Angeles, Calif. Fresh vegetables. 428,582; Mar. 25. Class 46.

Arms, Leland J., San Francisco, Calif. Mechanically grooved phonograph records. 428,469; Mar. 25; Serial No. 496,755; published Jan. 7, 1947. Class 36.

Arnold, Schwinn & Co., Chicago, Ill. Bicycles. 428,626–7; Mar. 25. Class 19.

Artfred Mfg. Co., San Francisco, Calif. Collapsible clothes drying racks. 428,509; Mar. 25; Serial No. 500,934; published Dec. 31, 1946. Class 24.

Asher & Boretz, Inc., New York, N. Y. Woven cotton fabrics. 428,397; Mar. 25; Serial No. 485,854; published July 23, 1946. Class 42.

Asher & Boretz, Inc., New York, N. Y. Woven cotton fabrics in the greige, bleached or dyed, and coated etc. 428,426; Mar. 25; Serial No. 491,382; published Sept. 3, 1946. Class 42.

Auto Strop Safety Razor Co., New York, N. Y., to Gillette Safety Razor Company, Boston, Mass. Razors and razor-blades. 60,748; re-renewed Feb. 19, 1947. O. G. Mar. 25. Class 23.

Barrington Manufacturing Corporation, Billerica, Mass., to The Procter & Gamble Company, Cincinnati, Ohio. Washing compound. 219,215; renewed Oct. 12, 1946. O. G. Mar. 25. Class 4.

Barton Manufacturing Company, to Barton Manufacturing Company, St. Louis, Mo. Shoe cleaning and polishing preparations. 223,155; renewed Jan. 18, 1947. O. G. Mar. 25. Class 4.

Bemis Bro. Bag Company, St. Louis, Mo. Coated fabrics and tubing. 428,425; Mar. 25; Serial No. 490,993; published Dec. 17, 1946. Class 42.

Benson & Hedges, New York, N. Y. Cigars, cigarettes, and smoking tobacco. 428,435; Mar. 25; Serial No. 493,644; published Dec. 31, 1946. Class 17.

Binney & Smith Company, New York, N. Y. Animal fats, greases, waxes, etc. 223,027; renewed Jan. 11, 1947. O. G. Mar. 25. Class 15.

Birdsell, Harold J., doing business as Birdsell Mfg. Company, San Altos, Calif. Electrical equipment and material. 428,622; Mar. 25. Class 21.

Birdsell Mfg. Company: *See*—
Birdsell, Harold J.

Blackwell-Wielandy Book and Stationery Company, to Blackwell-Wielandy Company, St. Louis, Mo. Fountain pens. 223,433; renewed Feb. 1, 1947. O. G. Mar. 25. Class 37.

Blackwell-Wielandy Company: *See*—
Blackwell-Wielandy Book and Stationery Company.

Bloch, David, doing business as David Bloch Sales Co., New York, N. Y. Rust and stain remover. 428,586; Mar. 25. Class 4.

Bloch, David, Sales Co.: *See*—
Bloch, David.

Blue Streak Products Company: *See*—
Holman, Luella M.

Boott Mills, Lowell, Mass. Scrim sash curtains. 223,913; renewed Feb. 15, 1947. O. G. Mar. 25. Class 42.

Boston Varnish Company, to Boston Varnish Company, Everett, Mass. Varnish, japan, driers, and liquid fillers. 60,123; re-renewed Jan. 29, 1947. O. G. Mar. 25. Class 16.

Boston Varnish Company, to Boston Varnish Company, Everett, Mass. Varnish, japan, driers, and liquid fillers. 60,252; re-renewed Feb. 5, 1947. O. G. Mar. 25. Class 16.

Boyle Leather Goods Co. Inc., New York, N. Y. Pyrophoric cigarette lighters. 428,553; Mar. 25; Serial No. 507,294; published Dec. 31, 1946. Class 34.

Brach, E. J., & Sons, Chicago, Ill. Candies. 428,388; Mar. 25; Serial No. 482,134; published Jan. 7, 1947. Class 46.

Brady, John B., Jr., Washington, D. C. Inked ribbons for typewriters and printing telegraph transmitting and receiving apparatus. 428,401; Mar. 25; Serial No. 486,458; published Jan. 7, 1947. Class 11.

Branstrator Body Company: *See*—
Raker, Myron E.

Bremer, H. E., Mfg. Co.: *See*—
Bremer, Harry E.

Bremer, Harry E., doing business as H. E. Bremer Mfg. Co., Milwaukee, Wis. Semi-finished castings of aluminum, iron, and brass. 428,574; Mar. 25. Class 14.

Brunner, Sam W., doing business as Angler's Products Co., Elmhurst, Long Island, N. Y. Protectors in the nature of cuffs for the wrists and sleeves. 428,608; Mar. 25. Class 39.

Buxton, Incorporated, Springfield, Mass. Theft and loss prevention devices. 428,467; Mar. 25; Serial No. 496,369; published Jan. 7, 1947. Class 3.

Cabot, Samuel, Inc., Boston, Mass. Roofing felt and pitch. 224,165; renewed Feb. 22, 1947. O. G. Mar. 25. Class 12.

Cabot, Samuel, Inc., Boston, Mass. Wood and shingle stains, a paint or stain for preserving wood, etc. 224,166; renewed Feb. 22, 1947. O. G. Mar. 25. Class 16.

California Spray-Chemical Corporation, Wilmington, Del., and Richmond, Calif. Compounds which influence specific physiological processes in plants. 428,599; Mar. 25. Class 6.

Campe Corporation, The, to The Campe Corporation, New York, N. Y. Men's and children's textile-fabric underwear. 220,999; renewed Nov. 23, 1946. O. G. Mar. 25. Class 39.

Can-O-Vegetables Company, The: *See*—
Achterberg, John F.

Capewell Horse Nail Company, The, to The Capewell Manufacturing Company, Hartford, Conn. Horse-nails. 56,605; re-renewed Oct. 9, 1946. O. G. Mar. 25. Class 13.

Capewell Manufacturing Company, The: *See*—
Capewell Horse Nail Company, The.

Cardinali, Joseph, San Francisco, Calif. Card games. 428,408; Mar. 25; Serial No. 487,594; published Jan. 14, 1947. Class 22.

Carl-Ed Dress Co., Inc., New York, N. Y. Misses' and women's dresses. 428,577; Mar. 25. Class 39.

Carp, M., & Son, Inc., Boston and Charlestown, Mass. Potatoes. 428,413; Mar. 25; Serial No. 488,393; published June 18, 1946. Class 46.

Case-Swayne Company, Merced, to Case-Swayne Co., Inc., Santa Ana, Calif. Fruit products. 428,390; Mar. 25; Serial No. 483,052; published Dec. 24, 1946. Class 46.

Case-Swayne Co., Inc.: *See*—
Case-Swayne Company.

Chemical Service Company, The, Baltimore, Md. Laundry starch. 428,573; Mar. 25. Class 6.

Chicago Flexible Shaft Company, Chicago, Ill., now by change of name to Sunbeam Corporation. Electric clocks. 428,410; Mar. 25; Serial No. 488,195; published Jan. 7, 1947. Class 27.

Chicago Printed String Company: *See*—
Chicago Printed String Co., Inc.

Chicago Printed String Co., Inc., to Chicago Printed String Company, Chicago, Ill. Wrapping string or tape. 224,032; renewed Feb. 15, 1947. O. G. Mar. 25. Class 7.

Chipman Knitting Mills: *See*—
Chipman's, Chas., Sons.

Chipman's, Chas., Sons, Easton, Pa., to Chas. Chipman's Sons Co., Inc., New York, N. Y. Hosiery. 59,430–1; re-renewed Jan. 8, 1947. O. G. Mar. 25. Class 39.

Chipman's, Chas., Sons, to Chipman Knitting Mills, Easton, Pa. Hosiery. 60,787; re-renewed Feb. 19, 1947. O. G. Mar. 25. Class 39.

Chipman's, Chas., Sons Co., Inc.: *See*—
Chipman's, Chas., Sons.

Chrysler Corporation, Highland Park, Mich. Automobiles and their structural parts. 428,619; Mar. 25. Class 19.

Churchward & Company: *See*—
Churchward, Jack.

Churchward & Co., Inc., assignee: *See*—
Churchward, Jack.

Churchward, Jack, doing business as Churchward & Company, assignor to Churchward & Co., Inc., West Haven, Conn. Power boats, and parts thereof. 428,593–4; Mar. 25. Class 19.

Cierpilkowski, Antoine, Paris, France, to Antoine de Paris, Inc., New York, N. Y. Perfume, toilet water, face powder, etc. 222,849; renewed Jan. 11, 1947. O. G. Mar. 25. Class 6.

Cinderella Manufacturing Co., Jackson, Mich. Toy constructing and erecting sets. 428,558; Mar. 25; Serial No. 509,397; published Jan. 7, 1947. Class 22.

Coastal Neon Company, assignor to The Coastal Neon Company, Savannah, Ga. Electrical fixtures. 428,464; Mar. 25; Serial No. 496,068; published Jan. 7, 1947. Class 21.

Coastal Neon Company, The: *See*—
Coastal Neon Company.

Coinmaster Co., The: *See*—
Dale, Charles M.

Cole, Rex, Inc., Long Island City, N. Y. Thermostatically actuated control mechanisms. 428,482; Mar. 25; Serial No. 498,116; published Dec. 31, 1946. Class 26.

Colgate & Co., New York, N. Y., to Colgate-Palmolive-Peet Company, Jersey City, N. J. Soaps; also soap powders. 60,647; re-renewed Feb. 19, 1947. O. G. Mar. 25. Class 4.

Colgate & Co., New York., N. Y., to Colgate-Palmolive-Peet Company, Jersey City, N. J. Perfumery, talc-powder, and toilet water. 60,830; re-renewed Feb. 19, 1947. O. G. Mar. 25. Class 6.

Colgate-Palmolive-Peet Company: *See*—
Colgate & Co.

Columbus McKinnon Chain Corporation, Tonawanda, N. Y. Foot propelled cycles and motor propelled cycles. 428,400; Mar. 25; Serial No. 486,240; published Jan. 7, 1947. Class 19.

Commonwealth Publishing Company, Chicago, Ill. Blank books. 218,820; renewed Oct. 5, 1946. O. G. Mar. 25. Class 37.

Comptone Company, Ltd., New York, N. Y. Sunglasses, eyeglasses, spectacles, etc. 428,543–4; Mar. 25; Serial Nos. 502,950–1; published Jan. 7, 1947. Class 26.

Condon, John R., doing business as General Products Co., Reading, Mass. Corner mountings made of paper for photographs. 428,484; Mar. 25; Serial No. 498,271; published Jan. 7, 1947. Class 37.

Congoleum-Nairn Inc., Kearny, N. J. Dry, partly impregnated or fully impregnated with asphalt, natural or artificial felt. 428,522; Mar. 25; Serial No. 501,365; published Jan. 7, 1947. Class 50.

Conrad Shoe Company, North Abington, Mass. Men's shoes. 428,514; Mar. 25; Serial No. 501,165; published Dec. 31, 1946. Class 39.

Consolidated Cosmetics, Chicago, Ill. Cigarette holders and ash trays. 428,525; Mar. 25; Serial No. 501,438; published Dec. 31, 1946. Class 8.

Constant Traction Dressing Co., Inc., Providence, R. I. Surgical dressings. 428,431; Mar. 25; Serial No. 493,254; published Dec. 31, 1946. Class 44.

Continental Can Company, Inc., New York, N. Y. Metal cans. 428,569; Mar. 25. Class 2.

Continental Coffee Company, Chicago, Ill. Seasoning and coloring agent. 428,534; Mar. 25; Serial No. 502,193; published Dec. 24, 1946. Class 46.

Continental Optical Company, Inc., Indianapolis, Ind. Ophthalmic lens frames and mountings therefor. 428,528; Mar. 25; Serial No. 501,901; published Jan. 7, 1947. Class 26.

Cosmos Dental Products, Inc., New York, N. Y. Coating or lining composition for dental molds. 428,564; Mar. 25; Serial No. 512,163; published Dec. 31, 1946. Class 44.

Cosmos Dental Products, Inc., New York, N. Y. Synthetic resin denture base materials. 428,565; Mar. 25; Serial No. 512,164; published Dec. 31, 1946. Class 44.

Crescent Manufacturing Co., Seattle, Wash. Tea. 60,451; re-renewed Feb. 12, 1947. O. G. Mar. 25. Class 46.

Crise Manufacturing Company, Columbus, Ohio. Electrically actuated furnace controls, electric motors, electrically heated bed pads. 428,624; Mar. 25. Class 21.

Curran Artware Mfg. Co., Downers Grove, Ill. Toy cannons. 428,591; Mar. 25. Class 22.

Cushion Pad Co., The: *See*—
Hawkins, Marie E.

Cygnet Seacraft: *See*—
Morse, Charles L.

Cynthia Sweets Company, East Boston, Mass. Confectionery. 428,387; Mar. 25; Serial No. 480,277; published Dec. 24, 1946. Class 46.

Dale, Charles M., doing business as The Coinmaster Co., New York, N. Y. Toy coin banks. 428,458; Mar. 25; Serial No. 495,452; published Jan. 14, 1947. Class 22.

Dan River Mills, Incorporated: *See*—
Riverside & Dan River Cotton Mills, Inc.

Davis, Arthur N., doing business as Ard Products Co., assignor to P. Lasman, Chicago, Ill. Book marks. 428,520; Mar. 25; Serial No. 501,240; published Dec. 31, 1946. Class 37.

Davis, Murray J., South Arlington, Va. Ladies' skirts. 428,587; Mar. 25. Class 39.

De Amicis Cigar Company: *See*—
De Amicis Cigar Co.

De Amicis Cigar Co., doing business as De Amicis Cigar Company, Philadelphia, Pa. Cigars. 428,396; Mar. 25; Serial No. 485,815; published Jan. 7, 1947. Class 17.

Decker, James L., doing business as James L. Decker Products Co., Beverly Hills, Calif. Bandalore-type spinning toys. 428,602; Mar. 25. Class 22.

Decker, James L., Products Co.: *See*—
Decker, James L.

De Cody Corset Co., Inc., to De Cody-Idalia Corporation, Lowell, Mass. Corsets, knitted underwear, woven underwear, and hosiery. 223,610; renewed Feb. 8, 1947. O. G. Mar. 25. Class 39.

De Cody-Idalia Corporation: *See*—
De Cody Corset Co., Inc.

Delaney, Frank A., New York, N. Y. Linen piece goods. 428,392; Mar. 25; Serial No. 483,568; published Dec. 17, 1946. Class 42.

Dell Publishing Company, Inc., New York, N. Y. Magazines published monthly. 222,417; renewed Jan. 4, 1947. O. G. Mar. 25. Class 38.

Dewing Company, The, Los Angeles, Calif. Merchandise display racks. 428,562; Mar. 25; Serial No. 511,071; published Jan. 7, 1947. Class 32.

Dietz, R. E., Company, New York, N. Y. Oil-burning lamps and lanterns. 59,138; re-renewed Jan. 1, 1947. O. G. Mar. 25. Class 34.

Dietz, R. E., Company, New York, N. Y. Oil burning tubular lamps and lanterns. 59,139; re-renewed Jan. 1, 1947. O. G. Mar. 25. Class 34.

Dietz, R. E., Company, New York, N. Y. Globes for lamps and lanterns. 60,172–3; re-renewed Jan. 29, 1947. O. G. Mar. 25. Class 34.

Dietz, R. E., Company, New York, N. Y. Oil-burning lamps, lanterns, and burners. 60,282; re-renewed Feb. 5, 1947. O. G. Mar. 25. Class 34.

Di Giorgio Fruit Corporation, San Francisco, Calif. Canned fruit juices and fresh fruits and vegetables. 428,422; Mar. 25; Serial No. 489,903; published Dec. 24, 1946. Class 46.

Dixie Party Foods: *See*—
Krasner, Harold.

Doughboy Industries, Inc.: *See*—
Doughboy Mills, Inc.

Doughboy Mills, Inc., New Richmond, Wis., now by change of name Doughboy Industries, Inc. Breakfast cereals. 428,369; Mar. 25; Serial No. 451,411; published June 26, 1945. Class 46.

Dritz, John, & Sons, New York, N. Y. Plastic yarn and mixed rayon and cotton yarn. 428,617; Mar. 25. Class 43.

Drott Manufacturing Corporation, Milwaukee, Wis. Shovel attachment. 428,601; Mar. 25. Class 23.

Dudley, Carl, doing business as Carl Dudley Production, Beverly Hills, Calif. Series of motion picture films. 428,510; Mar. 25; Serial No. 500,969; published Jan. 7, 1947. Class 26.

Dudley, Carl, Production: *See*—
Dudley, Carl.

Dunn & McCarthy, Inc., Auburn, N. Y. Boots, shoes, and slippers. 218,131; renewed Sept. 21, 1946. O. G. Mar. 25. Class 39.

E-Z Walk Corporation, New York, N. Y. Arch supports. 428,382; Mar. 25; Serial No. 478,705; published Jan. 7, 1947. Class 44.

Eagle Stamp Company: *See*—
Eagle Trading Stamp Co.

Eagle Trading Stamp Co., to Eagle Stamp Company, St. Louis, Mo. Trading-stamps. 60,255; re-renewed Feb. 5, 1947. O. G. Mar. 25. Class 38.

Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y. Display folders. 428,479; Mar. 25; Serial No. 497,469; published Jan. 7, 1947. Class 37.

East Side Tool & Die Works: *See*—
Morand, Donald A.

Eckhardt-Berman Corp., Mount Vernon, N. Y. Bookends, breakfronts, coffee tables, etc. 428,374; Mar. 25; Serial No. 469,434; published Dec. 31, 1946. Class 32.

Edison Laboratories, The: *See*—
Edison, Sylvan M.

Edison, Sylvan M., doing business as The Edison Laboratories, Chicago, Ill., to Miles Laboratories, Inc., Elkhart, Ind. Dental plate cleanser. 217,453; renewed Aug. 31, 1946. O. G. Mar. 25. Class 4.

Edison, Thomas A., Incorporated, West Orange, N. J. Sound recording and reproducing apparatus. 428,385; Mar. 25; Serial No. 479,785; published Dec. 24, 1946. Class 21.

Electronic Laboratories, Inc., Indianapolis, Ind. Toys. 428,430; Mar. 25; Serial No. 493,108; published Jan. 7, 1947. Class 22.

Elgin National Watch Company, Elgin, Ill. Phonograph needles. 428,389; Mar. 25; Serial No. 482,316; published Jan. 7, 1947. Class 36.

Ellis Paint Company, Long Beach, Calif. Ready mixed paints, varnishes, and paint enamels. 428,607; Mar. 25. Class 16.

Elsinger, Louis S., doing business as Elsinger Sales Company, Tampa, Fla. Spool caps for fishing reels, tennis rackets, minnow-pails, etc. 428,452; Mar. 25; Serial No. 494,827; published Jan. 14, 1947. Class 22.

Elsinger Sales Company: *See*—
Elsinger, Louis S.

Empire Dehydrated Products, Inc., New York, N. Y. Concentrated soup bases. 428,538; Mar. 25; Serial No. 502,507; published Dec. 24, 1946. Class 46.

Empire State Cheese Company, Olean, N. Y. Cheese. 428,495; Mar. 25; Serial No. 499,701; published Dec. 24, 1946. Class 46.

Eppstein, Richard C., Toledo, Ohio. Plastic denture reliner. 428,552; Mar. 25; Serial No. 507,242; published Jan. 14, 1947. Class 44.

Essam Lamp Shade Company, Chicago, Ill. Electric lamp shades. 428,581; Mar. 25. Class 21.

Essley Shirt Company, Inc., assignee: *See*—
Trubenizing Process Corporation.

Fairchild Bros. & Foster, New York, N. Y., to Sterling Drug Inc., Wilmington, Del. Extract or preparation of the pancreas gland. 60,625; re-renewed Feb. 12, 1947. O. G. Mar. 25. Class 6.

Fant Milling Company, doing business as Sunglo Mills, Sherman, Tex. Mixed feed for livestock and poultry. 428,398; Mar. 25; Serial No. 486,032; published Jan. 7, 1947. Class 46.

Farmers Engineering & Manufacturing Co., Pittsburgh, Pa. Loudspeakers and amplifiers. 428,429; Mar. 25; Serial No. 491,966; published Dec. 24, 1946. Class 21.

Fashion Craft Jewelry Co., Inc., New York, N. Y. Imitation pearls, and the following made of precious and semi-precious metal: bracelets, brooches, chains, etc. 428,609; Mar. 25. Class 28.

Fashion Park, Inc.: *See*—
Stein Bloch Co., The.

Ferry-Morse Seed Co., Detroit, Mich. Seeds. 428,508; Mar. 25; Serial No. 500,869; published Jan. 7, 1947. Class 1.

Fleischmann Co., The, Cincinnati, Ohio, and New York, N. Y., to Standard Brands Incorporated, New York, N. Y. Compressed yeast. 60,274; re-renewed Feb. 5, 1947. O. G. Mar. 25. Class 46.

Food Specialties Company: *See*—
Gray, Edward E.

Formacraft Corporation, Barberton, Ohio. Toy model airplanes. 428,447; Mar. 25; Serial No. 494,666; published Jan. 7, 1947. Class 22.

Formulette Company, Brooklyn, N. Y. Baby kit, which consists of aluminum or white enamel sterilizer, and rack, nipple sterilizer, etc. 428,403; Mar. 25; Serial No. 486,946; published Jan. 7, 1947. Class 50.

Franklin Simon & Co., Inc., to Les Parfums Worth de Paris, Inc., New York, N. Y. Perfumes, and hygienic products. 216,668; renewed Aug. 17, 1946. O. G. Mar. 25. Class 6.

Fruen Milling Company, Minneapolis, Minn. Food products for human and animal consumption. 428,368; Mar. 25; Serial No. 480,269; published Jan. 7, 1947. Class 46.

Fulton Bag & Cotton Mills, Atlanta, Ga. Twine. 428,546; Mar. 25; Serial No. 503,563; published Jan. 7, 1947. Class 7.

Gadgets: *See*—
Siegel, Samuel M.

Gamble-Skogmo, Inc., Minneapolis, Minn. Juvenile and nursery furniture. 428,406; Mar. 25; Serial No. 487,320; published Dec. 31, 1946. Class 32.

Garvin, Robert C., New York, N. Y. Temple guards for eyeglasses. 428,427; Mar. 25; Serial No. 491,406; published Jan. 7, 1947. Class 26.

Gem Tire & Rubber Co., Philadelphia, Pa. Pneumatic tires and inner tubes. 428,476; Mar. 25; Serial No. 497,237; published Dec. 17, 1946. Class 35.

General Products Co.: *See*—
Condon, John R.

Gerda Footwear Co., New York, N. Y. Men's, women's, and children's shoes and sandals. 428,507; Mar. 25; Serial No. 500,651; published Dec. 31, 1946. Class 39.

Giant Grip Mfg. Co., Oshkosh, Wis. Pitching horse-shoes. 428,395; Mar. 25; Serial No. 484,837; published Jan. 7, 1947. Class 22.

Gibson Products Company, Cleveland, Ohio. Automotive brake shoe hold down parts. 428,470; Mar. 25; Serial No. 496,778; published Dec. 3, 1946. Class 19.

Gillette Safety Razor Company: *See*—
Auto Strop Safety Razor Co.

Girton Manufacturing Company: *See*—
Girton, Paul K.

Girton, Paul K., doing business as The Girton Manufacturing Company, Millville, Pa. Wash tanks. 428,575; Mar. 25. Class 2.

Golden Gate Bulb Co., Berkeley, Calif. Cut flowers and bulbs. 428,415; Mar. 25; Serial No. 488,957; published Dec. 31, 1946. Class 1.

Goldinger Fabrics Company, Los Angeles, Calif. Piece goods. 428,568; Mar. 25. Class 42.

Goodyear Tire & Rubber Company, Akron, Ohio. Hose. 428,560; Mar. 25; Serial No. 509,770; published Dec. 17, 1946. Class 35.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Adhesive cement. 428,561; Mar. 25; Serial No. 509,771; published Dec. 31, 1946. Class 5.

Gotham Specialty Mfg. Co., New York, N. Y. Suit-cases, cases for toilet articles, traveling bags, etc. 428,441; Mar. 25; Serial No. 494,061; published Jan. 7, 1947. Class 3.

Gray, Edward E., doing business as Food Specialties Company, Muskogee, Okla. Cookies. 428,418; Mar. 25; Serial No. 489,665; published Jan. 7, 1947. Class 46.

Green, Nat, Inc., New York, N. Y. Ladies', misses', and juniors' coats and suits. 428,590; Mar. 25. Class 39.

Greer Hydraulics, Inc., Brooklyn, N. Y. Propeller governor test machine. 428,445; Mar. 25; Serial No. 494,270; published Dec. 31, 1946. Class 26.

Gridley Farm Tool Co. Inc.: *See*—
Spartan Manufacturing Co.

Griffin Equipment Corporation, New York, N. Y. Electrical generators and parts thereof. 428,618; Mar. 25. Class 21.

Guerrieri, Philip A., Chicago, Ill. Liquid lip rouge. 428,603; Mar. 25. Class 6.

Hanscom Baking Corporation, Long Island City, N. Y. Cakes. 428,578–9; Mar. 25. Class 46.

Hartz Mountain Products: *See*—
Kaempfer, Frederick.

Harvey Machine Co., Inc., Los Angeles, Calif. Finished aircraft parts and assemblies. 428,414; Mar. 25; Serial No. 488,523; published Dec. 17, 1946. Class 19.

Harvey Manufacturing Corp., New York, N. Y. Electric motors. 428,541; Mar. 25; Serial No. 502,750; published Jan. 7, 1947. Class 21.

Hawkins, Marie E., doing business as The Cushion Pad Co., Sioux Falls, S. Dak. Recoil pads. 428,614; Mar. 25. Class 9.

Heddon's, James, Sons, Dowagiac, Mich. Fishing rods. 428,563; Mar. 25; Serial No. 511,086; published Jan. 7, 1947. Class 22.

Hellermann Electric Limited, Oxford, England. Rubber, artificial rubber, and synthetic rubber sleeves. 428,383; Mar. 25; Serial No. 478,955; published Jan. 7, 1947. Class 21.

Hirsch, Clement L., doing business as Packer Canning Company, also as Victory Canning Company, assignor to Victory Packing Co., Los Angeles, Calif. Canned dog and cat food. 428,595; Mar. 25. Class 46.

Hobby Hill, Chicago, Ill. Pull toys having boat-like characters. 428,393; Mar. 25; Serial No. 484,023; published Jan. 14, 1947. Class 22.

Holman, Luella M., doing business as Blue Streak Products Company, Hiawatha, Kans. Penetrating oil. 428,497; Mar. 25; Serial No. 499,838; published Dec. 24, 1946. Class 15.

Hoover Products, Inc., Youngstown, Ohio. Toy telephones. 428,623; Mar. 25. Class 22.

Horn, Sol, Inc., New York, N. Y. Electric lamps. 428,628; Mar. 25. Class 21.

Hudson American Corporation, New York, N. Y. Etching compound. 428,566; Mar. 25. Class 6.

Hyde Park Lumber Co., The, doing business as The Hyde Park Products Co., Cincinnati, Ohio. Kitchen cabinets, base units for kitchen cabinets, sink drains, etc. 428,416; Mar. 25; Serial No. 489,122; published Dec. 31, 1946. Class 32.

Hyde Park Products Co., The: *See*—
Hyde Park Lumber Co., The.

Ideas Unlimited, Los Angeles, Calif. Ceramic containers. 428,409; Mar. 25; Serial No. 487,953; published Dec. 31, 1946. Class 30.

Inderrieden Canning Co., to The J. B. Inderrieden Co., Chicago, Ill. Canned and dried fruits, canned vegetables, fruit preserves, etc. 221,321; renewed Nov. 30, 1946. O. G. Mar. 25. Class 46.

Inderrieden, J. B., Co., The: *See*—
Inderrieden Canning Co.

International Harvester Company, Chicago, Ill. Automotive trucks, farm wagons, tractor trailers, etc. 428,376–7; Mar. 25; Serial Nos. 474,904–5; published Jan. 7, 1947. Class 19.

International Silver Company, to The International Silver Company, Meriden, Conn. Plated flatware. 58,282; re-renewed Dec. 11, 1946. O. G. Mar. 25. Class 28.

International Silver Company, The: *See*—
International Silver Company.

International Worsted Mills, Methuen, Mass., and New York, N. Y., to Selden Worsted Mills, Methuen, Mass. Tropical worsteds in the piece. 223,671; renewed Feb. 8, 1947. O. G. Mar. 25. Class 42.

Iselin-Jefferson Company, assignor to Iselin-Jefferson Company, Inc., New York, N. Y. Cotton piece-goods. 428,500; Mar. 25; Serial No. 500,007; published Dec. 24, 1946. Class 42.

Iselin-Jefferson Company, Inc., assignee: *See*—
Iselin-Jefferson Company.

Jacob & Schey, New York, N. Y. Hosiery. 223,587; renewed Feb. 8, 1947. O. G. Mar. 25. Class 39.

Jacquin, L.: *See*—
Jacquin, Leon.

Jacquin, Leon, doing business as L. Jacquin, to Maison Jacquin, Paris, France. Chocolates. 217,675; renewed Sept. 7, 1946. O. G. Mar. 25. Class 46.

Jantzen Knitting Mills, Portland, Oreg. Skin lotion. 428,625; Mar. 25. Class 6.

Jenkins, Alfred B., New York, N. Y., and Boston, Mass., to Jenkins Bros., New York, N. Y., and Bridgeport, Conn. Rubber packing, rubber gaskets, rubber disks, etc. 56,612; re-renewed Oct. 9, 1946. O. G. Mar. 25. Class 35.

Jenkins Bros.: *See*—
Jenkins, Alfred B.

Johnson, S. C., & Son, to S. C. Johnson & Son, Inc., Racine, Wis. Varnish. 224,358; renewed Feb. 22, 1947. O. G. Mar. 25. Class 16.

Johnson, S. C., & Son, Inc.: *See*—
Johnson, S. C., & Son.

Kaempfer, Frederick, Chicago, Ill., to Hartz Mountain Products, New York, N. Y. Bird foods. 58,891; re-renewed Dec. 25, 1946. O. G. Mar. 25. Class 46.

Kargon Extracting Co., The, Cincinnati, Ohio., to Sterling Drug Inc., Wilmington, Del. Compounds to be used in connection with rheumatism, etc. 61,012; re-renewed Feb. 26, 1947. O. G. Mar. 25. Class 6.

Kellogg, P. P., & Co.: *See*—
United States Envelope Company.

Kellogg Switchboard and Supply Company, Chicago, Ill. Extensible electrical cords. 428,535; Mar. 25; Serial No. 502,378; published Jan. 7, 1947. Class 21.

Kennedy, D. S., & Co., Cohasset, Mass. Radar antennae and parts, directors, reflectors, etc. 428,421; Mar. 25; Serial No. 489,875; published Jan. 7, 1947. Class 21.

Kennedy Equipment Company, Los Angeles, Calif. Automobile tow bars. 428,494; Mar. 25; Serial No. 499,417; published Jan. 7, 1947. Class 19.

Kennerly, H. B., & Son, doing business as Roaring Point Oyster Co., Nanticoke, Md. Fresh canned oysters. 428,472; Mar. 25; Serial No. 496,968; published Dec. 24, 1946. Class 46.

Kessler, Milton, doing business as Kessler Products Company, Youngstown, Ohio. Flashlights. 428,448; Mar. 25; Serial No. 494,686; published Dec. 31, 1946. Class 21.

Kessler Products Company: *See*—
Kessler, Milton.

Kinney, H. W., and Sons, Inc., Columbus, Ind. Various yeast extracts and vitamin complex capsules. 428,572; Mar. 25. Class 6.

Klauber Wangenheim Co., San Diego, Calif. Canned fish and canned oysters. 60,259; re-renewed Feb. 5, 1947. O. G. Mar. 25. Class 46.

Klein, Philip, Maplewood, N. J. Combs. 428,615; Mar. 25. Class 40.

Klein, Samuel, Newark, N. J. Table salt substitute. 428,504; Mar. 25; Serial No. 500,395; published Jan. 7, 1947. Class 46.

Kono Manufacturing Company, The, Woodside, N. Y. Eyeglass and spectacle frames and parts therefor. 428,529; Mar. 25; Serial No. 501,912; published Dec. 31, 1946. Class 26.

Kranzberg, Max H., doing business as Radionic Equipment Company, New York, N. Y. Radio receiving sets and radio vacuum tubes. 428,527; Mar. 25; Serial No. 501,670; published Dec. 24, 1946. Class 21.

Krasner, Harold, doing business under the firm name of Dixie Party Foods, Belleville, N. J. Pretzels. 428,423; Mar. 25; Serial No. 489,913; published Dec. 31, 1946. Class 46.

Kratt, William, doing business as Wm. Kratt Co., Union, N. J. Harmonicas. 428,471; Mar. 25; Serial No. 496,914; published Dec. 24, 1946. Class 36.

Kratt, Wm., Co.: *See*—
Kratt, William.

Kropp, Roy A., Cicero, Ill. Animated toys in the form of dolls, manikins, and animals. 428,419; Mar. 25; Serial No. 489,742; published Jan. 14, 1947. Class 22.

Laco Products, Inc., Los Angeles, Calif. Disassembled parts for radio receiving sets. 428,539; Mar. 25; Serial No. 502,521; published Jan. 7, 1947. Class 21.

Lambert, Frank A., doing business as Sulfo-Styptic Co., Steubenville, Ohio. Medicinal preparation. 428,610; Mar. 25. Class 6.

Lane, W. C., Rutland, Vt. Clothespins. 428,404; Mar. 25; Serial No. 486,996; published Jan. 7, 1947. Class 24.

Lasater, Robert L., Evanston, Ill. Gum massagers. 428,551; Mar. 25; Serial No. 505,213; published Jan. 14, 1947. Class 44.

Laskin Brothers, to Laskin Brothers, Inc., Philadelphia, Pa. Waterproof clothing. 223,926; renewed Feb. 15, 1947. O. G. Mar. 25. Class 39.

Laskin Brothers, Inc.: *See*—
Laskin Brothers.

Lasman, Paul, assignee: *See*—
Davis, Arthur N.

Le Charm Trimmings, Inc., New York, N. Y. Spangles. 428,503; Mar. 25; Serial No. 500,313; published Jan. 7, 1947. Class 40.

Lee, Gertrude R., Roxbury, Mass. Soap preparations. 428,462; Mar. 25; Serial No. 495,893; published Dec. 17, 1946. Class 4.

Lee Rubber & Tire Corporation, Conshohocken, Pa. Pneumatic tires; inner tubes; repair kits for tires, tubes, and rubber footwear, etc. 428,485; Mar. 25; Serial No. 498,290; published Jan. 7, 1947. Class 35.

Lehn & Fink Products Corporation: *See*—
Lysol, Incorporated.

Lennox Furnace Company, The, Marshalltown, Iowa, and Syracuse, N. Y., to The Lennox Furnace Company, Marshalltown, Iowa. Steel warm-air furnaces. 222,885; renewed Jan. 11, 1947. O. G. Mar. 25. Class 34.

Lerner Brothers, Incorporated, Shelton, Conn., now by change of name Sue Shelton Incorporated. Ladies' and misses' sweaters, blouses, skirts, etc. 428,580; Mar. 25. Class 39.

Les Parfums Worth de Paris, Inc.: *See*—
Franklin Simon & Co., Inc.

Levitt, David D., Buffalo, N. Y. Coin-actuated amusement games. 428,555; Mar. 25; Serial No. 508,481; published Jan. 7, 1947. Class 22.

Levy, Herbert E., Jr., Houston, Tex. Ladies' and misses' shoes. 428,493; Mar. 25; Serial No. 499,244; published Dec. 31, 1946. Class 39.

Lilly, Eli, and Company, Indianapolis, Ind. Mixture of ipecac and calcium phosphate. 221,990; renewed Dec. 21, 1946. O. G. Mar. 25. Class 6.

Linda Dress Manufacturing Corporation, Boston, Mass. Dresses, blouses, skirts, etc., for women, misses, juniors, and children. 428,600; Mar. 25. Class 39.

Loblure, Incorporated, Hingham, Mass. Artificial lobster bait. 428,486; Mar. 25; Serial No. 498,352; published Jan. 14, 1947. Class 22.

Loeb & Hoch, Inc., New York, N. Y. Ladies', misses', and junior misses' coats and suits. 428,612; Mar. 25. Class 39.

Lufkin Rule Co., The, Saginaw, Mich. Measuring tapes. 428,428; Mar. 25; Serial No. 491,862; published Dec. 31, 1946. Class 26.

Lysol, Incorporated, to Lehn & Fink Products Corporation, Bloomfield, N. J. Shaving brushes. 222,426; renewed Jan. 4, 1947. O. G. Mar. 25. Class 29.

Madamoiselle Co., The, Philadelphia, Pa. Home permanent waving kit. 428,407; Mar. 25; Serial No. 487,425; published Dec. 31, 1946. Class 50.

Maison Jacquin: *See*—
Jacquin, Leon

Mallinckrodt Chemical Works, St. Louis, Mo. Paper cups. 428,576; Mar. 25. Class 2.

Maltine Company, The, New York, N. Y. Protein hydrolysate. 428,505; Mar. 25; Serial No. 500,549; published Jan. 7, 1947. Class 46.

Manville Fabrics, Inc.: *See*—
Manville Jenckes Company.

Manville Jenckes Company, Pawtucket, to Manville Jenckes Corporation, Manville, R. I. Cotton and cotton-and-silk draperies and upholsteries in the piece. 205,078; renewed Nov. 3, 1945. O. G. Mar. 25. Class 42.

Manville Jenckes Company, Pawtucket, to Manville Jenckes Corporation, Manville, R. I. Cotton and rayon draperies and upholsteries in the piece. 206,171; renewed Nov. 24, 1945. O. G. Mar. 25. Class 42.

Manville Jenckes Company, Pawtucket, to Manville Fabrics, Inc., Providence, R. I. Cotton and cotton and silk draperies and upholsteries in the piece. 216,612; renewed Aug. 17, 1946. O. G. Mar. 25. Class 42.

Manville Jenckes Corporation: *See*—
Manville Jenckes Company.

Marine Optical Mfg. Co., Roslindale, Boston, Mass. Sunglasses, spectacles, and lenses therefor. 428,405; Mar. 25; Serial No. 487,197; published Jan. 7, 1947. Class 26.

Mason, Beall and Horton, Inc., West Los Angeles, Calif. Games. 428,550; Mar. 25; Serial No. 503,989; published Jan. 14, 1947. Class 22.

Mayer, Jerome, New York, N. Y. Electric lamps. 428,530; Mar. 25; Serial No. 501,916; published Dec. 31, 1946. Class 21.

Mentone Heights Association, Mentone, Calif. Fresh citrus fruits. 428,605; Mar. 25. Class 46.

Mercury Aircraft, Inc., Hammondsport, N. Y. Gasoline tanks and oil tanks. 428,454; Mar. 25; Serial No. 494,976; published Sept. 3, 1946. Class 2.

Merz, F. O., & Co., Philadelphia, Pa. Pocketbooks, billfolds, wallets, etc. 428,501; Mar. 25; Serial No. 500,106; published Dec. 31, 1946. Class 3.

Miles Laboratories, Inc.: *See*—
Edison, Sylvan M.

Minnesota Mining & Manufacturing Company, St. Paul, Minn. Tympan covers, and sheets, comprising a cloth, paper, or other sheet material. 428,381; Mar. 25; Seral No. 478,639; published Jan. 7, 1947. Class 50.

Molded Insulation Company, Philadelphia, Pa. Toy trains, toy carriages, toy carts, etc. 428,424; Mar. 25; Serial No. 490,687; published Dec. 31, 1946. Class 22.

Moore, Samuel, & Company, Kent, Ohio. Stanchions, seat grab rails, arm rests, etc. 428,499; Mar. 25; Serial No. 499,958; published Dec. 3, 1946. Class 19.

Morand, Donald A., doing business as East Side Tool & Die Works, Portland, Oreg. Latches. 428,372; Mar. 25; Serial No. 467,977; published Dec. 31, 1946. Class 25.

Morse, Charles L., doing business as Cygnet Seacraft, Milford, Conn. Rowboats, sail boats, and motor-boats. 428,483; Mar. 25; Serial No. 498,162; published Dec. 3, 1946. Class 19.

Morton Sundour Fabrics Limited, Carlisle, England. Furniture slip-covers. 428,465; Mar. 25; Serial No. 496,323; published Jan. 7, 1947. Class 32.

Motor Products Corporation, Detroit, Mich. Automobile accessories. 218,521; renewed Sept. 28, 1946. O. G. Mar. 25. Class 19.

Motosacoche Société Anonyme, Geneva, Switzerland. Electrically driven machines. 428,375; Mar. 25; Serial No. 473,394; published Dec. 31, 1946. Class 21.

Nancy Ann Dressed Dolls, San Francisco, Calif. Dressed dolls. 428,592; Mar. 25. Class 22.

Nashua Manufacturing Company, Boston, Mass. Cotton blankets. 428,511; Mar. 25; Serial No. 501,084; published Dec. 31, 1946. Class 42.

National Pet Foods, Inc., Buffalo, N. Y. Cat food. 428,417; Mar. 25; Serial No. 489,343; published Mar. 26, 1946. Class 46.

National Tea Co., Chicago, Ill. Coffee and tea. 428,490; Mar. 25; Serial No. 498,856; published Jan. 7, 1947. Class 46.

New Era Canning Company, New Era, Mich. Canned vegetables and canned fruits. 428,378; Mar. 25; Serial No. 475,730; published Dec. 24, 1946. Class 46.

New Era Milling Company, The, Arkansas City, Kans. Wheat-flour. 57,225; re-renewed Nov. 6, 1946. O. G. Mar. 25. Class 46.

New Haven Clock Company, The, assignor to New Haven Clock and Watch Company, New Haven, Conn. Clocks, watches, and parts thereof. 428,506; Mar. 25; Serial No. 500,558; published Dec. 31, 1946. Class 27.

New Haven Clock and Watch Company, assignee: *See*—
New Haven Clock Company, The.

Noel & Cia. Ltda. Sociedad Argentina de Dulces y Conservas, Buenos Aires, Argentina. Pickles, spices, preserved vegetables, etc. 428,373; Mar. 25; Serial No. 468,469; published Dec. 24, 1946. Class 46.

Norcross, New York, N. Y. Greeting letter paper and greeting note paper. 428,436–7; Mar. 25; Serial Nos. 493,809–10; published Jan. 7, 1947. Class 37.

Norcross, New York, N. Y. Greeting letter paper and greeting note paper. 428,459; Mar. 25; Serial No. 495,686; published Jan. 7, 1947. Class 37.

North & Judd Manufacturing Company, The, New Britain, Conn., to United Shoe Machinery Corporation, Flemington, N. J., and Boston, Mass. Sole and heel protectors. 29,122; re-renewed Nov. 10, 1946. O. G. Mar. 25. Class 13.

Nu-Dell Manufacturing Company, Chicago, Ill. Baby feeding trays. 428,460; Mar. 25; Serial No. 495,758; published Jan. 14, 1947. Class 2.

Nu-Dell Manufacturing Company, Chicago, Ill. Toy baby rattles. 428,461; Mar. 25; Serial No. 495,759; published Jan. 14, 1947. Class 22.

Oneida Community Limited, Kenwood, to Oneida Ltd., Oneida, N. Y. Solid and plated precious-metal tableware, flat ware, and hollow ware, etc. 59,707; re-renewed Jan. 15, 1947. O. G. Mar. 25. Class 28.

Oneida Ltd.: *See*—
Oneida Community Limited.

Pacific Allied Products, Seattle, Wash. Cleaner of painted surfaces. 428,496; Mar. 25; Serial No. 499,797; published Dec. 31, 1946. Class 4.

Packer Canning Company: *See*—
Hirsch, Clement L.

Paramount Manufacturing Company, The, Baltimore, Md. Kitchen breakfast sets. 428,559; Mar. 25; Serial No. 509,720; published Jan. 7, 1947. Class 32.

Parfait, Incorporated, Chicago, Ill. Leg make-up and a depilatory. 428,616; Mar. 25. Class 6.

Parker Pen Company, The, Janesville, Wis. Fountain pens, mechanical pencils, and pen and pencil desk sets. 428,536; Mar. 25; Serial No. 502,453; published Dec. 31, 1946. Class 37.

Parsons & Baker Co., The, Phoenixville, Pa. One, two and three piece ladies' knitted underwear. 223,716; renewed Feb. 8, 1947. O. G. Mar. 25. Class 39.

Pennsylvania Rubber Company, Jeannette, Pa. Pneumatic rubber tires and the following tire repair materials: camel-back, tube repair gum, and cushion gum, etc. 428,549; Mar. 25; Serial No. 503,743; published Dec. 17, 1946. Class 35.

Physicists Research Company, Ann Arbor, Mich. Instruments for measuring and indicating or recording. 428,394; Mar. 25; Serial No. 484,319; published Jan. 7, 1947. Class 26.

Piver, L. T., & Cie., Paris, France, to L. T. Piver, Inc., New York, N. Y. Toilet-water. 29,580; re-renewed Feb. 23, 1947. O. G. Mar. 25. Class 6.

Piver, L. T., Inc.: *See*—
Piver, L. T., & Cie.

Placentia Orange Growers Association, Fullerton, Calif. Fresh citrous fruits. 224,144; renewed Feb. 22, 1947. O. G. Mar. 25. Class 46.

Planned Age Toys, Inc., New York, N. Y. Toys. 428,399; Mar. 25; Serial No. 486,220; published Dec. 31, 1946. Class 22.

Plastispec Incorporated, New York, N. Y. Spectacles and sunglasses. 428,540; Mar. 25; Serial No. 502,594; published Dec. 31, 1946. Class 26.

Plastispec Incorporated, New York, N. Y. Spectacles and sunglasses. 428,542; Mar. 25; Serial No. 502,919; published Jan. 7, 1947. Class 26.

Pointer, Robert W., doing business as Pointer-Willamette Company, Portland, Oreg. Trailers, structural parts for trailers and trucks, etc. 428,379; Mar. 25; Serial No. 476,115; published Dec. 31, 1946. Class 19.

Pointer-Willamette Company: *See*—
Pointer, Robert W.

Poole, Foster M., doing business as Poole Manufacturing Engineers, Dallas, Tex. Remote-reading micrometers. 428,411; Mar. 25; Serial No. 488,364; published Jan. 7, 1947. Class 26.

Poole Manufacturing Engineers: *See*—
Poole, Foster M.

Porterville Vegetable Growers Inc., Porterville, Calif. Fresh vegetables. 428,487; Mar. 25; Serial No. 498,453; published Dec. 24, 1946. Class 46.

Portsmouth Cotton Oil Refining Corporation, Portsmouth, Va., to The Procter & Gamble Company, Cincinnati, Ohio. Vegetable shortening. 218,925; renewed Oct. 5, 1946. O. G. Mar. 25. Class 46.

Powell Duffryn Limited, London, England. Coal briquettes. 428,402; Mar. 25; Serial No. 48[illegible],503; published Dec. 31, 1946. Class 1.

Preco Incorporated, Los Angeles, Calif. Convertible ice bunkers for refrigerator cars. 428,474; Mar. 25; Serial No. 497,197; published Dec. 3, 1946. Class 19.

Preco Incorporated, Los Angeles, Calif. Electric motors. 428,475; Mar. 25; Serial No. 497,199; published Jan. 7, 1947. Class 21.

Price, Joseph M., New York, N. Y. Coffee. 57,128; re-renewed Nov. 6, 1946. O. G. Mar. 25. Class 46.

Procter & Gamble Company, The: *See*—
Barrington Manufacturing Corporation.
Portsmouth Cotton Oil Refining Corporation.
Robertson, J. T., The, Company.
Waltke, William & Co.

Radionic Equipment Company: *See*—
Kranzberg, Max H.

Ragan-Maurice Mills, Inc., New York, N. Y. Hosiery. 428,585; Mar. 25. Class 39.

Raker, Myron E., doing business as Branstrator Body Company, Fort Wayne, Ind. Trailer. 428,570; Mar. 25. Class 19.

Raniville, F., Co., Grand Rapids, Mich. Belting. 428,439; Mar. 25; Serial No. 493,895; published Jan. 7, 1947. Class 35.

Rasmussen, Sverre, New York, N. Y. Electric fire alarms. 428,473; Mar. 25; Serial No. 497,130; published Jan. 7, 1947. Class 21.

Republic Aviation Corporation, Farmingdale, Long Island, N. Y. Airplanes. 428,466; Mar. 25; Serial No. 496,334; published Dec. 24, 1946. Class 19.

Richards, P. E., Company: *See*—
Richards, Paul E.

Richards, Paul E., doing business as P. E. Richards Company, Terrell, Tex. Ice refrigerators. 428,523; Mar. 25; Serial No. 501,408; published Dec. 31, 1946. Class 31.

Rieber, Frank, doing business as Rieber Research Laboratory, New York, N. Y. Electrical filters. 428,453; Mar. 25; Serial No. 494,923; published Jan. 7, 1947. Class 21.

Rieber Research Laboratory: *See*—
Rieber, Frank.

Rig-A-Lite Co., Houston, Tex. Electrical apparatus for use on well drilling equipment. 428,571; Mar. 25. Class 21.

Riverside & Dan River Cotton Mills, Inc., Danville, Va., now by change of name to Dan River Mills, Incorporated. Sheets, sheeting, and pillowcases. 428,515; Mar. 25; Serial No. 501,202; published Jan. 7, 1947. Class 42.

Riverside & Dan River Cotton Mills, Inc., Danville, Va., now by change of name to Dan River Mills, Incorporated. Sheets, sheeting, and pillowcases. 428,516; Mar. 25; Serial No. 501,204; published Jan. 7, 1947. Class 42.

Riverside & Dan River Cotton Mills, Inc., Danville, Va., now by change of name to Dan River Mills, Incorporated. Sheets, sheeting, and pillowcases. 428,517; Mar. 25; Serial No. 501,205; published Dec. 31, 1946. Class 42.

Riverside & Dan River Cotton Mills, Inc., Danville, Va., now by change of name to Dan River Mills, Incorporated. Sheets, sheeting, and pillowcases. 428,518; Mar. 25; Serial No. 501,206; published Jan. 7, 1947. Class 42.

Roaring Point Oyster Co.: *See*—
Kennerly, H. B., & Son.

Robertson, J. T., The, Company, Manchester, Conn., and Syracuse, N. Y., to The Procter & Gamble Company, Cincinnati, Ohio. Shaving and toilet soaps. 218,756; renewed Oct. 5, 1946. O. G. Mar. 25. Class 4.

Robins, G. S., & Company, St. Louis, Mo. Soap. 217,369; renewed Aug. 31, 1946. O. G. Mar. 25. Class 4.

Rock-Tred Corporation, Chicago, Ill. Cementitious surfacing and patching material. 428,547; Mar. 25; Serial No. 503,600; published Jan. 7, 1947. Class 12.

Rockwell Manufacturing Company, Pittsburgh and Homewood, Pittsburgh, Pa. Valve lubricating greases. 428,477; Mar. 25; Serial No. 497,336; published Jan. 7, 1947. Class 15.

Rockwell Manufacturing Company, Pittsburgh and Homewood, Pittsburgh, Pa. Liquid meters, gas meters, and meter recorders. 428,478; Mar. 25; Serial No. 497,337; published Dec. 31, 1946. Class 26.

Rome Cable Corporation, Rome, N. Y. Insulated electrical conductors, wires, and cables. 428,531; Mar. 25; Serial No. 501,928; published Dec. 31, 1946. Class 21.

Roseville Pottery, Inc., Zanesville, Ohio. Pottery articles. 428,455; Mar. 25; Serial No. 495,101; published Dec. 24, 1946. Class 30.

Ross, Sydney, Co., The, Newark, N. J. Toilet soap. 224,278; renewed Feb. 22, 1947. O. G. Mar. 25. Class 4.

Rueping, Fred, Leather Company, Fond du Lac, Wis. Leather. 222,199; renewed Dec. 28, 1946. O. G. Mar. 25. Class 1.

Rybke, Ben, Portland, Oreg. Knitted golf socks, knitted and textile golf knickers, and knitted and textile golf coats, etc. 223,642; renewed Feb. 8, 1947. O. G. Mar. 25. Class 39.

Safeway Stores, Incorporated, also doing business as Table Products Company, Baltimore, Md., and Oakland, Calif. Canned vegetables. 428,371; Mar. 25; Serial No. 459,136; published Jan. 7, 1947. Class 46.

Sayman Products Company, St. Louis, Mo. Stainless chest rub. 428,588; Mar. 25. Class 6.

Schleifer & Lubell, New York, N. Y. Children's and girls' dresses, blouses, outer skirts, etc. 428,489; Mar. 25; Serial No. 498,716; published Dec. 31, 1946. Class 39.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Arch supports. 428,380; Mar. 25; Serial No. 478,252; published Jan. 7, 1947. Class 44.

Schulmerich Electronics, Inc., Sellersville, Pa. Electronic amplifying apparatus; electrical sound-reproducing apparatus; microphones; etc. 428,412; Mar. 25; Serial No. 488,378; published Jan. 7, 1947. Class 21.

Schwanda & Bartleman Co. Inc., to Schwanda, Inc., New York, N. Y. Buttons, buckles, slides, and dress ornaments. 224,102; renewed Feb. 15, 1947. O. G. Mar. 25. Class 40.

Schwanda, Inc.: *See*—
Schwanda & Bartleman Co. Inc.

Selden Worsted Mills: *See*—
International Worsted Mills.

Shelton, Sue, Incorporated: *See*—
Lerner Brothers, Incorporated.

Sherman Novelty Co.: *See*—
Sherman, William.

Sherman, William, doing business as Sherman Novelty Co., New York, N. Y. Toys resembling canary birds. 428,598; Mar. 25. Class 22.

Sidaliis, Inc., New York, N. Y. Brassières. 428,512; Mar. 25; Serial No. 501,141; published Dec. 31, 1946. Class 39.

Siebe, Gorman & Company Limited, Tolworth, Surrey, England. Cylinders and capsules for compressed gas. 428,391; Mar. 25; Serial No. 483,119; published Dec. 31, 1946. Class 2.

Siegel, Samuel M., doing business as Gadgets, Jackson Heights, N. Y. Radio receiving sets. 428,442; Mar. 25; Serial No. 494,133; published Jan. 7, 1947. Class 21.

Silver, Irving, doing business as Silver Vogue Auto Seat Cover Co., Brooklyn, N. Y. Automobile seat covers. 428,521; Mar. 25; Serial No. 501,345; published Dec. 17, 1946. Class 19.

Silver Vogue Auto Seat Cover Co.: *See*—
Silver, Irving.

Simon Mattress Manufacturing Co., San Francisco, Calif. Bed comforters. 428,468; Mar. 25; Serial No. 496,481; published Jan. 7, 1947. Class 42.

Singer's Jewelers, Alexandria, Va. Jewelry for personal adornment, precious stones, sterling silver, etc. 428,621; Mar. 25. Class 28.

Smidth, F. L., & Co., New York, N. Y. Crushing and grinding machines and parts thereof. 223,150; renewed Jan. 18, 1947. O. G. Mar. 25. Class 23.

Smidth, F. L., & Co., New York, N. Y. Driving and reduction gearing. 223,174; renewed Jan. 18, 1947. O. G. Mar. 25. Class 23.

Somis Lemon Association, Oxnard, Calif. Fresh citrus fruits. 428,548; Mar. 25; Serial No. 503,609; published Dec. 24, 1946. Class 46.

South Coast Fisheries, Inc.: *See*—
Van Landingham Co., The.

Spartan Aircraft Company, Wilmington, Del., and Tulsa, Okla. Automotive trailer coaches. 428,491; Mar. 25; Serial No. 499,167; published Jan. 7, 1947. Class 19.

Spartan Manufacturing Co., Galesburg, to Gridley Farm Tool Co. Inc., Gridley, Ill. Feed grinders. 60,987; re-renewed Feb. 26, 1947. O. G. Mar. 25. Class 23.

Special Chemicals Co., The, Cleveland, Ohio. Bulk commercial synthetic resins. 428,420; Mar. 25; Serial No. 489,772; published Dec. 31, 1946. Class 1.

Standard Brands Incorporated: *See*—
Fleischmann Co., The.

Standard Register Company, The, Dayton, Ohio. Carbon paper. 428,370; Mar. 25; Serial No. 459,092; published Jan. 7, 1947. Class 11.

Stedfast Rubber Co., Inc., Mattapan, Mass. Artificial leather binding tape. 428,533; Mar. 25; Serial No. 502,165; published Jan. 7, 1947. Class 40.

Stein Bloch Co., The, to Fashion Park, Inc., Rochester, N. Y. Men's, youth's, and children's coats, overcoats, vests, etc. 60,573; re-renewed Feb. 12, 1947. O. G. Mar. 25. Class 39.

Sterling Drug Inc.: *See*—
Fairchild Bros. & Foster.
Kargon Extracting Co., The.

Stockmar, Albert H., doing business as Stockmar Industries, Villa Rica, Ga. Concrete building blocks. 428,554; Mar. 25; Serial No. 507,602; published Jan. 7, 1947. Class 12.

Stockmar Industries: *See*—
Stockmar, Albert H.

Sulfo-Styptic Co.: *See*—
Lambert, Frank A.

Sunbeam Corporation: *See*—
Chicago Flexible Shaft Company.

Sunglo Mills: *See*—
Fant Milling Company.

Sunrise Produce Co., San Francisco, Calif. Fresh vegetables. 428,537; Mar. 25; Serial No. 502,472; published Dec. 24, 1946. Class 46.

Swan, James, Company, The, Seymour, Conn. Augers, bits, bung-bores, etc. 60,102; re-renewed Jan. 29, 1947. O. G. Mar. 25. Class 23.

T-A-G Brokerage & Warehouse Company, Atlanta, Ga. Small row, sail, and motor boats. 428,519; Mar. 25; Serial No. 501,213; published Dec. 24, 1946. Class 19.

Table Products Company: *See*—
Safeway Stores, Incorporated.

Tallman Company, University City, Mo. Hot water heaters. 428,526; Mar. 25; Serial No. 501,484; published Jan. 7, 1947. Class 34.

Tanglefoot Company, The, Grand Rapids, Mich. Electrically heated atomizer. 428,532; Mar. 25; Serial No. 502,036; published Dec. 31, 1946. Class 21.

Teca Corporation, New York, N. Y. Electro-therapeutic devices and equipment. 428,446; Mar. 25; Serial No. 494,525; published Jan. 14, 1947. Class 44.

Temkin, A., Co.: *See*—
Temkin, Abraham.

Temkin, Abraham, doing business as A. Temkin Co., New York, N. Y. Pillow cases, tickings, table cloths, etc. 428,606; Mar. 25. Class 42.

Terrell, Reta, Chicago, Ill. Perfumes, face powder, bath powder, etc. 428,604; Mar. 25. Class 6.

Tong, Mee Wah, Billings, Mont. Medicinal preparation. 428,611; Mar. 25. Class 6.

Trubenizing Process Corporation, assignor to Essley Shirt Company Inc., New York, N. Y. Outer shirts, collars, and cuffs. 428,492; Mar. 25; Serial No. 499,175; published Dec. 31, 1946. Class 39.

Tynietoy, Inc., Providence, R. I. Toy doll houses, toy furniture, and toy doll house fixtures. 428,596–7; Mar. 25. Class 22.

United Paper Company, Atlanta, Ga., to United Paper Company, Tampa, Fla. Wrapping paper. 219,403; renewed Oct. 19, 1946. O. G. Mar. 25. Class 37.

United Shoe Machinery Corporation: *See*—
North & Judd Manufacturing Company, The.

United States Envelope Company, doing business as P. P. Kellogg & Co., Springfield, Mass. Correspondence paper and envelopes. 428,432; Mar. 25; Serial No. 493,298; published Dec. 31, 1946. Class 37.

United States Envelope Company, doing business as P. P. Kellogg & Co., Springfield, Mass. Correspondence paper and envelopes. 428,433; Mar. 25; Serial No. 493,301; published Dec. 31, 1946. Class 37.

United States Envelope Company, doing business as P. P. Kellogg & Co., Springfield, Mass. Correspondence paper and envelopes. 428,438; Mar. 25; Serial No. 493,856; published Dec. 31, 1946. Class 37.

United States Envelope Company, doing business as P. P. Kellogg & Co., Springfield, Mass. Correspondence paper and envelopes. 428,440; Mar. 25; Serial No. 493,904; published Dec. 31, 1946. Class 37.

United States Envelope Company, doing business as P. P. Kellogg & Co., Springfield, Mass. Correspondence paper and envelopes. 428,443; Mar. 25; Serial No. 494,169; published Dec. 31, 1946. Class 37.

United States Envelope Company, Springfield, Mass. Paper for printing and engraving purposes, etc. 428,444; Mar. 25; Serial No. 494,171; published Dec. 31, 1946. Class 37.

U. S. Sanitary Specialties Corporation, Chicago, Ill. Deodorizing material. 221,576; renewed Dec. 7, 1946. O. G. Mar. 25. Class 6.

U. S. Sanitary Specialties Corporation, Chicago, Ill. Cleansing compound. 222,022; renewed Dec. 21, 1946. O. G. Mar. 25. Class 4.

United States Time Corporation, The, Waterbury, Conn. Watches and clocks, and parts therefor. 428,589; Mar. 25. Class 27.

Valpo Company, Berwyn, Ill. Perfumes. 220,922; renewed Nov. 16, 1946. O. G. Mar. 25. Class 6.

Van Landingham Co., The, Los Angeles, to South Coast Fisheries, Inc., Terminal Island, Calif. Canned fish. 221,448; renewed Nov. 30, 1946. O. G. Mar. 25. Class 46.

Van Pelt & Brown, to Van Pelt & Brown, Inc., Richmond, Va. Medicine. 214,045; renewed June 8, 1946. O. G. Mar. 25. Class 6.

Van Pelt and Brown, to Van Pelt & Brown, Inc., Richmond, Va. Medicine in tablet form. 215,276; renewed July 13, 1946. O. G. Mar. 25. Class 6.

Van Pelt and Brown, to Van Pelt & Brown, Inc., Richmond, Va. Capsules. 215,278; renewed July 13, 1946. O. G. Mar. 25. Class 6.

Van Pelt & Brown, to Van Pelt & Brown, Inc., Richmond, Va. Liquid analgesic. 217,501; renewed Aug. 31, 1946. O. G. Mar. 25. Class 6.

Van Pelt & Brown, to Van Pelt & Brown, Inc., Richmond, Va. Emulsion of mineral oil, agar, and phenolphthalein. 217,502; renewed Aug. 31, 1946. O. G. Mar. 25. Class 6.

Van Pelt & Brown, Inc.: *See*—
Van Pelt & Brown.
Van Pelt and Brown.

Victory Canning Company: *See*—
Hirsch, Clement L.

Victory Packing Co., assignee: *See*—
Hirsch, Clement L.

Viking Manufacturing Corporation, Cleveland, Ohio. Refrigerated display cases, beverage and water coolers, refrigerating equipment, etc. 428,556; Mar. 25; Serial No. 508,760; published Jan. 7, 1947. Class 31.

Viking Manufacturing Corporation, The, Cleveland, Ohio. Mechanical refrigerating units for year-around air conditioning apparatus, space coolers, etc. 428,557; Mar. 25; Serial No. 508,761; published Jan. 7, 1947. Class 34.

Vogue Wear, Inc., Womelsdorf, Pa. Women's, misses', and children's knitted and woven underwear. 428,584; Mar. 25. Class 39.

Wabash Manufacturing Company, Chicago, Ill. Accumulators, capillary tubes, and heat exchangers. 428,434; Mar. 25; Serial No. 493,635; published Dec. 31, 1946. Class 31.

Waltke, William, & Co., St. Louis, Mo., to The Procter & Gamble Company, Cincinnati, Ohio. Laundry soap. 56,982; re-renewed Oct. 30, 1946. O. G. Mar. 25. Class 4.

Washington Creamery Company, Seattle, Wash. Canned boned turkey and broth. 428,613; Mar. 25. Class 46.

Weber, F., Co., Philadelphia, Pa. Artists' brushes, draftsmen's brushes, painters' brushes. 224,175; renewed Feb. 22, 1947. O. G. Mar. 25. Class 29.

Weill, Charles, Inc.: *See*—
Weill & Hartmann.

Weill & Hartmann, to Charles Weill, Inc., New York, N. Y. Ladies' and misses' hats, dresses, coats, etc. 216,954; renewed Aug. 24, 1946. O. G. Mar. 25. Class 39.

Weissman, Beth, New York, N. Y. China and earthenware. 428,524; Mar. 25; Serial No. 501,425; published Jan. 7, 1947. Class 30.

West Disinfecting Company, Long Island City, N. Y. Sweeping compound. 428,498; Mar. 25; Serial No. 499,930; published Dec. 31, 1946. Class 4.

Western Fashions, Los Angeles, Calif. Women's suits, dresses, slacks, etc. 428,583; Mar. 25. Class 39.

Westfield Manufacturing Company, The, Westfield, Mass. Bicycles. 428,480–1; Mar. 25; Serial Nos. 497,906–7; published Jan. 7, 1947. Class 19.

Wilkins, E. J., Company, Gloversville, N. Y. Bill folds. 428,620; Mar. 25. Class 3.

Williams', Bill, Chicken House: *See*—
Williams, James A.

Williams, James A., doing business as Bill Williams' Chicken House, Houston, Tex. Fried chicken. 428,502; Mar. 25; Serial No. 500,155; published Jan. 7, 1947. Class 46.

Wittliff Furniture Brace Company, The, Cleveland, Ohio. Metal furniture braces. 223,817; renewed Feb. 8, 1947. O. G. Mar. 25. Class 13.

Wolf, Arthur W., Kansas City, Mo. Monthly magazine. 217,486; renewed Aug. 31, 1946. O. G. Mar. 25. Class 38.

Wolfe & Lang, Inc., New York, N. Y. Girdles, corsets, and brassières. 428,488; Mar. 25; Serial No. 498,673; published Dec. 31, 1946. Class 39.

Woodville Lime Products Company, The, Toledo, Ohio. Lime. 223,356; renewed Feb. 1, 1947. O. G. Mar. 25. Class 12.

Woodville Lime Products Company, The, Toledo, Ohio. Lime. 223,416; renewed Feb. 1, 1947. O. G. Mar. 25. Class 12.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal briquettes. Powell Duffryn Limited. 428,402; Mar. 25; Serial No. 486,503; published Dec. 31, 1946.

Flowers and bulbs, Cut. Golden Gate Bulb Co. 428,415; Mar. 25; Serial No. 488,957; published Dec. 31, 1946.

Leather. Fred Rueping Leather Company. 222,199; renewed Dec. 28, 1946. O. G. Mar. 25.

Resins, Bulk commercial synthetic. Special Chemicals Co. 428,420; Mar. 25; Serial No. 489,772; published Dec. 31, 1946.

Seeds. Ferry-Morse Seed Co. 428,508; Mar. 25; Serial No. 500,869; published Jan. 7, 1947.

CLASS 2

Cans, Metal. Continental Can Company, Inc. 428,569; Mar. 25.

Cups, Paper. Mallinckrodt Chemical Works. 428,576; Mar. 25.

Cylinders and capsules for compressed gas. Siebe, Gorman & Company Limited. 428,391; Mar. 25; Serial No. 483,119; published Dec. 31, 1946.

Tanks and oil tanks, Gasoline. Mercury Aircraft, Inc. 428,454; Mar. 25; Serial No. 494,976; published Sept. 3, 1946.

Tanks, Wash. P. K. Girton. 428,575; Mar. 25.

Trays, Baby feeding. Nu-Dell Manufacturing Company. 428,460; Mar. 25; Serial No. 495,758; published Jan. 14, 1947.

CLASS 3

Bill folds. E. J. Wilkins Company. 428,620; Mar. 25.

Pocketbooks, billfolds, wallets, etc. F. O. Merz & Co. 428,501; Mar. 25; Serial No. 500,106; published Dec. 31, 1946.

Suit-cases, cases for toilet articles, traveling cases, etc. Gotham Specialty Mfg. Co. 428,441; Mar. 25; Serial No. 494,061; published Jan. 7, 1947.

Theft and loss prevention devices. Buxton, Incorporated. 428,467; Mar. 25; Serial No. 496,369; published Jan. 7, 1947.

Wallets, key cases, pocket secretaries. Ameron Wallet & Leather Novelty Co. 428,450–1; Mar. 25; Serial Nos. 494,809–10; published Jan. 7, 1947.

CLASS 4

Cleaner of painted surfaces. Pacific Allied Products. 428,496; Mar. 25; Serial No. 499,797; published Dec. 31, 1946.

Cleaning and polishing preparations, Shoe. Barton Manufacturing Company. 223,155; renewed Jan. 18, 1947. O. G. Mar. 25.

Cleanser, Dental plate. S. M. Edison. 217,453; renewed Aug. 31, 1946. O. G. Mar. 25.

Cleansing compound. U. S. Sanitary Specialties Corporation. 222,022; renewed Dec. 21, 1946. O. G. Mar. 25.

Rust and stain remover. D. Bloch. 428,586; Mar. 25.

Soap. G. S. Robins & Company. 217,369; renewed Aug. 31, 1946. O. G. Mar. 25.

Soap, Laundry. William Waltke & Co. 56,982; re-renewed Oct. 30, 1946. O. G. Mar. 25.

Soap preparations. G. R. Lee. 428,462; Mar. 25; Serial No. 495,893; published Dec. 17, 1946.

Soap, Toilet. Sydney Ross Co. 224,278; renewed Feb. 22, 1947. O. G. Mar. 25.

Soaps; also soap powders. Colgate & Co. 60,647; re-renewed Feb. 19, 1947. O. G. Mar. 25.

Soaps, Shaving and toilet. J. T. Robertson. 218,756; renewed Oct. 5, 1946. O. G. Mar. 25.

Sweeping compound. Wst Disinfecting Company. 428,498; Mar. 25; Serial No. 499,930; published Dec. 31, 1946.

Washing compound. Barrington Manufacturing Corporation. 219,215; renewed Oct. 12, 1946. O. G. Mar. 25.

CLASS 5

Cement, Adhesive. Goodyear Tire & Rubber Company. 428,561; Mar. 25; Serial No. 509,771; published Dec. 31, 1946.

CLASS 6

Analgesic, Liquid. Van Pelt & Brown. 217,501; renewed Aug. 31, 1946. O. G. Mar. 25.

Capsules. Van Pelt and Brown. 215,278; renewed July 13, 1946. O. G. Mar. 25.

Chest rub. Stainless. Sayman Products Company. 428,588; Mar. 25.

Compounds to be used in connection with rheumatism, etc. Kargon Extracting Co. 61,012; re-renewed Feb. 26, 1947. O. G. Mar. 25.

Compounds which influence specific physiological processes in plants. California Spray-Chemical Corporation. 428,599; Mar. 25.

Deodorizing material. U. S. Sanitary Specialties Corporation. 221,576; renewed Dec. 7, 1946. O. G. Mar. 25.

Emulsion of mineral oil, agar, and phenolphthalein. Van Pelt & Brown. 217,502; renewed Aug. 31, 1946. O. G. Mar. 25.

Etching compound. Hudson American Corporation. 428,566; Mar. 25.

Extract or preparation of the pancreas gland. Fairchild Bros. & Foster. 60,625; re-renewed Feb. 12, 1947. O. G. Mar. 25.

Ipecac and calcium phosphate, Mixture of. Eli Lilly and Company. 221,990; renewed Dec. 21, 1946. O. G. Mar. 25.

Liquid lip rouge. P. A. Guerrieri. 428,603; Mar. 25.

Lotion, Skin. Jantzen Knitting Mills. 428,625; Mar. 25.

Make-up and depilatory, Leg. Parfait, Incorporated. 428,616; Mar. 25.

Medicinal preparation. F. A. Lambert. 428,610; Mar. 25.

Medicinal preparation. Mee Wah Tong. 428,611; Mar. 25.

Medicine. Van Pelt & Brown. 214,045; renewed June 8, 1946. O. G. Mar. 25.

Medicine in tablet form. Van Pelt and Brown. 215,276; renewed July 13, 1946. O. G. Mar. 25.

Perfume, toilet water, face powder, etc. A. Cierplikowski. 222,849; renewed Jan. 11, 1947. O. G. Mar. 25.

Perfumery, talc-powder, and toilet water. Colgate & Co. 60,830; re-renewed Feb. 19, 1947. O. G. Mar. 25.

Perfumes. Valpo Company. 220,922; renewed Nov. 16, 1946. O. G. Mar. 25.

Perfumes and hygienic products. Franklin Simon & Co., Inc. 216,668; renewed Aug. 17, 1946. O. G. Mar. 25.

Perfumes, face powder, bath powder, etc. R. Terrell. 428,604; Mar. 25.

Starch, Laundry. Chemical Service Company. 428,573; Mar. 25.

Toilet-water. L. T. Piver & Cie. 29,580; re-renewed Feb. 23, 1947. O. G. Mar. 25.

Yeast extracts and vitamin complex capsules, Various. H. W. Kinney and Sons, Inc. 428,572; Mar. 25.

CLASS 7

String or tape, Wrapping. Chicago Printed String Co., Inc. 224,032; renewed Feb. 15, 1947. O. G. Mar. 25.

Twine. Fulton Bag & Cotton Mills. 428,546; Mar. 25; Serial No. 503,563; published Jan. 7, 1947.

CLASS 8

Holders and ash trays, Cigarette. Consolidated Cosmetics. 428,525; Mar. 25; Serial No. 501,438; published Dec. 31, 1946.

CLASS 9

Pads, Recoil. M. E. Hawkins. 428,614; Mar. 25.

CLASS 11

Carbon paper. Standard Register Company. 428,370; Mar. 25; Serial No. 459,092; published Jan. 7, 1947.

Inked ribbons for typewriters and printing telegraph transmitting and receiving apparatus. J. B. Brady, Jr. 428,401; Mar. 25; Serial No. 486,458; published Jan. 7, 1947.

CLASS 12

Cementitious surfacing and patching material. Rock-Tred Corporation. 428,547; Mar. 25; Serial No. 503,600; published Jan. 7, 1947.

Concrete building blocks. A. H. Stockmar. 428,554; Mar. 25; Serial No. 507,602; published Jan. 7, 1947.

Lime. Woodville Lime Products Company. 223,356; renewed Feb. 1, 1947. O. G. Mar. 25.

Lime. Woodville Lime Products Company. 223,416; renewed Feb. 1, 1947. O. G. Mar. 25.

Roofing felt and pitch. Samuel Cabot, Inc. 224,165; renewed Feb. 22, 1947. O. G. Mar. 25.

CLASS 13

Horse-nails. Capewell Horse Nail Company. 56,605; re-renewed Oct. 9, 1946. O. G. Mar. 25.

Metal furniture braces. Wittliff Furniture Brace Company. 223,817; renewed Feb. 8, 1947. O. G. Mar. 25.

Protectors, Sole and heel. North & Judd Manufacturing Company. 29,122; re-renewed Nov. 10, 1946. O. G. Mar. 25.

CLASS 14

Castings of aluminum, iron, and brass, Semi-finished. H. E. Bremer. 428,574; Mar. 25.

Copper wire and copper-alloy wire. American Brass Company. 223,645; renewed Feb. 8, 1947. O. G. Mar. 25.

CLASS 15

Fats, greases, waxes, etc., Animal. Binney & Smith Company. 223,027; renewed Jan. 11, 1947. O. G. Mar. 25.

Greases, Valve lubricating. Rockwell Manufacturing Company. 428,477; Mar. 25; Serial No. 497,336; published Jan. 7, 1947.

Oil, Penetrating. L. M. Holman. 428,497; Mar. 25; Serial No. 499,838; published Dec. 24, 1946.

CLASS 16

Paints, varnishes, and paint enamels, Ready mixed. Ellis Paint Company. 428,607; Mar. 25.

Stains, a paint or stain for preserving wood, etc., Wood and shingle. Samuel Cabot, Inc. 224,166; renewed Feb. 22, 1947. O. G. Mar. 25.

Varnish. S. C. Johnson & Son. 224,358; renewed Feb. 22, 1947. O. G. Mar. 25.

Varnish, japan, driers, and liquid fillers. Boston Varnish Company. 60,123; re-renewed Jan. 29, 1947. O. G. Mar. 25.

Varnish, japan, driers, and liquid fillers. Boston Varnish Company. 60,252; re-renewed Feb. 5, 1946. O. G. Mar. 25.

CLASS 17

Cigars. De Amicis Cigar Co. 428,396; Mar. 25; Serial No. 485,815; published Jan. 7, 1947.

Cigars, cigarettes and smoking tobacco. Benson & Hedges. 428,435; Mar. 25; Serial No. 493,644; published Dec. 31, 1946.

CLASS 19

Aircraft parts and assemblies, Finished. Harvey Machine Co., Inc. 428,414; Mar. 25; Serial No. 488,523; published Dec. 17, 1946.

Airplanes. Republic Aviation Corporation. 428,466; Mar. 25; Serial No. 496,334; published Dec. 24, 1946.

Automobile accessories. Motor Products Corporation. 218,521; renewed Sept. 28, 1946. O. G. Mar. 25.

Automobile seat covers. I. Silver. 428,521; Mar. 25; Serial No. 501,345; published Dec. 17, 1946.

Automobile tow bars. Kennedy Equipment Company. 428,494; Mar. 25; Serial No. 499,417; published Jan. 7, 1947.

Automobiles and their structural parts. Chrysler Corporation. 428,619; Mar. 25.

Bicycles. Arnold, Schwinn & Co. 428,626–7; Mar. 25.

Bicycles. Westfield Manufacturing Company. 428,480–1; Mar. 25; Serial Nos. 497,906–7; published Jan. 7, 1947.

Boats and parts thereof, Power. J. Churchward. 428,593–4; Mar. 25.

Boats, Small row, sail, and motor. T-A-G Brokerage & Warehouse Company. 428,519; Mar. 25; Serial No. 501,213; published Dec. 24, 1946.

Brake shoe hold down parts, Automotive. Gibson Products Company. 428,470; Mar. 25; Serial No. 496,778; published Dec. 3, 1946.

Bunkers for refrigerator cars, Convertible ice. Preco Incorporated. 428,474; Mar. 25; Serial No. 497,197; published Dec. 3, 1946.

Coaches, Automotive trailer. Spartan Aircraft Company. 428,491; Mar. 25; Serial No. 499,167; published Jan. 7, 1947.

Cycles, and motor propelled cycles, Foot propelled. Columbus McKinnon Chain Corporation. 428,400; Mar. 25; Serial No. 486,240; published Jan. 7, 1947.

Rowboats, sail boats, and motor-boats. C. L. Morse. 428,483; Mar. 25; Serial No. 498,162; published Dec. 3, 1946.

Stanchions, seat grab rails, arm rests, etc. Samuel Moore & Company. 428,499; Mar. 25; Serial No. 499,958; published Dec. 3, 1946.

Trailer. M. E. Raker. 428,570; Mar. 25.

Trailers, structural parts for trailers and trucks, etc. R. W. Pointer. 428,379; Mar. 25; Serial No. 476,115; published Dec. 31, 1946.

Trucks, farm wagons, tractor trailers, etc., Automotive. International Harvester Company. 428,376–7; Mar. 25; Serial Nos. 474,904–5; published Jan. 7, 1947.

CLASS 21

Amplifying apparatus; electrical sound-reproducing apparatus; microphones; etc., Electronic. Schulmerich Electronics, Inc. 428,412; Mar. 25; Serial No. 488,378; published Jan. 7, 1947.

Antennae and parts, directors, reflectors, etc., Radar. D. S. Kennedy & Co. 428,421; Mar. 25; Serial No. 489,875; published Jan. 7, 1947.

Atomizer. Electrically heated. Tanglefoot Company. 428,532; Mar. 25; Serial No. 502,036; published Dec. 31, 1946.

Conductors, wires and cables, Insulated electrical. Rome Cable Corporation. 428,531; Mar. 25; Serial No. 501,928; published Dec. 31, 1946.

Disassembled parts for radio receiving sets. Laco Products, Inc. 428,539; Mar. 25; Serial No. 502,521; published Jan. 7, 1947.

Electric lamps. Sol Horn, Inc. 428,628; Mar. 25.

Electrical apparatus for use on well drilling equipment. Rig-A-Lite Co. 428,571; Mar. 25.

Electrical cords, Extensible. Kellogg Switchboard and Supply Company. 428,535; Mar. 25; Serial No. 502,378; published Jan. 7, 1947.

Electrical equipment and material. H. J. Birdsell. 428,622; Mar. 25.

Electrical fixtures. Coastal Neon Company. 428,464; Mar. 25; Serial No. 496,068; published Jan. 7, 1947.

Electrical generators and parts thereof. Griffin Equipment Corporation. 428,618; Mar. 25.

Electrically actuated furnace controls, electric motors, electrically heated bed pads. Crise Manufacturing Company. 428,624; Mar. 25.

Electrically driven machines. Motosacoche Société Anonyne. 428,375; Mar. 25; Serial No. 473,394; published Dec. 31, 1946.

Filters, Electrical. F. Rieber. 428,453; Mar. 25; Serial No. 494,923; published Jan. 7, 1947.

Fire alarms, Electric. S. Rasmussen. 428,473; Mar. 25; Serial No. 497,130; published Jan. 7, 1947.

Flashlights. M. Kessler. 428,448; Mar. 25; Serial No. 494,686; published Dec. 31, 1946.

Lamp shades, Electric. Essam Lamp Shade Company. 428,581; Mar. 25.

Lamps, Electric. J. Mayer. 428,530; Mar. 25; Serial No. 501,916; published Dec. 31, 1946.

Loudspeakers and amplifiers. Farmers Engineering & Manufacturing Co. 428,429; Mar. 25; Serial No. 491,966; published Dec. 24, 1946.

Motors, Electric. Harvey Manufacturing Corp. 428,541; Mar. 25; Serial No. 502,750; published Jan. 7, 1947.

Motors, Electric. Preco Incorporated. 428,475; Mar. 25; Serial No. 497,199; published Jan. 7, 1947.

Radio receiving sets. S. M. Siegel. 428,442; Mar. 25; Serial No. 494,133; published Jan. 7, 1947.

Radio receiving sets and radio vacuum tubes. M. H. Kranzberg. 428,527; Mar. 25; Serial No. 501,670; published Dec. 24, 1946.

Recording and reproducing apparatus, Sound. Thomas A. Edison, Incorporated. 428,385; Mar. 25; Serial No. 479,785; published Dec. 24, 1946.

Rubber, artificial rubber and synthetic rubber sleeves. Hellermann Electric Limited. 428,383; Mar. 25; Serial No. 478,955; published Jan. 7, 1947.

Terminals and contacts, Electric. Ampco Metal, Inc. 428,384; Mar. 25; Serial No. 479,410; published Dec. 24, 1946.

Valves, Solenoid. Allied Control Valve Co. Inc. 428,463; Mar. 25; Serial No. 495,942; published Dec. 24, 1946.

Wires and cables, Electric. Anaconda Wire and Cable Company. 428,513; Mar. 25; Serial No. 501,152; published Dec. 24, 1946.

CLASS 22

Bait, Artificial lobster. Loblure, Incorporated. 428,486; Mar. 25; Serial No. 498,352; published Jan. 14, 1947.

Dolls, Dressed. Nancy Ann Dressed Dolls. 428,592; Mar. 25.

Fishing rods. James Heddon's Sons. 428,563; Mar. 25; Serial No. 511,086; published Jan. 7, 1947.

Game devices, Educational. American Radar Corporation. 428,456–7; Mar. 25; Serial Nos. 495,434–5; published Jan. 14, 1947.

Games. Mason, Beall and Horton, Inc. 428,550; Mar. 25; Serial No. 503,989; published Jan. 14, 1947.

Games, Card. J. Cardinali. 428,408; Mar. 25; Serial No. 487,594; published Jan. 14, 1947.

Games, Coin-actuated amusement. D. D. Levitt. 428,555; Mar. 25; Serial No. 508,481; published Jan. 7, 1947.

Horse-shoes, Pitching. Giant Grip Mfg. Co. 428,395; Mar. 25; Serial No. 484,837; published Jan. 7, 1947.

Spool caps for fishing reels, tennis rackets, minnow-pails, etc. L. S. Elsinger. 428,452; Mar. 25; Serial No. 494,827; published Jan. 14, 1947.

Toy baby rattles. Nu-Dell Manufacturing Company. 428,461; Mar. 25; Serial No. 495,759; published Jan. 14, 1947.

Toy cannons. Curran Artware Mfg. Co. 428,591; Mar. 25.

Toy coin banks. C. M. Dale. 428,458; Mar. 25; Serial No. 495,452; published Jan. 14, 1947.

Toy constructing and erecting sets. Cinderella Manufacturing Co. 428,558; Mar. 25; Serial No. 509,397; published Jan. 7, 1947.

Toy doll houses, toy furniture, and toy doll house fixtures. Tynietoy, Inc. 428,596–7; Mar. 25.

Toy model airplanes. Formacraft Corporation. 428,447; Mar. 25; Serial No. 494,666; published Jan. 7, 1947.

Toy telephones. Hoover Products, Inc. 428,623; Mar. 25.

Toy trains, toy carriages, toy carts, etc. Molded Insulation Company. 428,424; Mar. 25; Serial No. 490,687; published Dec. 31, 1946.

Toys. Electronic Laboratories, Inc. 428,430; Mar. 25; Serial No. 493,108; published Jan. 7, 1947.

Toys. Planned Age Toys, Inc. 428,399; Mar. 25; Serial No. 486,220; published Dec. 31, 1946.

Toys, Bandalore-type spinning. J. L. Decker. 428,602; Mar. 25.

Toys having boat-like characters, Pull. Hobby Hill. 428,393; Mar. 25; Serial No. 484,023; published Jan. 14, 1947.

Toys in the form of dolls, manikins, and animals, Animated. R. A. Kropp. 428,419; Mar. 25; Serial No. 489,742; published Jan. 14, 1947.

Toys resembling canary birds. W. Sherman. 428,598; Mar. 25.

CLASS 23

Augers, bits, bung-borers, etc. James Swan Company. 60,102; re-renewed Jan. 29, 1947. O. G. Mar. 25.

Crushing and grinding machines and parts thereof. F. L. Smidth & Co. 223,150; renewed Jan. 18, 1947. O. G. Mar. 25.

Gearing, Driving and reduction. F. L. Smidth & Co. 223,174; renewed Jan. 18, 1947. O. G. Mar. 25.

Grinders, Feed. Spartan Manufacturing Co. 60,987; re-renewed Feb. 26, 1947. O. G. Mar. 25.

Razors and razor-blades. Auto Strop Safety Razor Co. 60,748; re-renewed Feb. 19, 1947. O. G. Mar. 25.

Razors and safety-razor blades, Safety. Aktiebolaget Svensk Pakklinga. 218,077; renewed Sept. 21, 1946. O. G. Mar. 25.

Shovel attachment. Drott Manufacturing Corporation. 428,601; Mar. 25.

CLASS 24

Clothespins. W. C. Lane. 428,404; Mar. 25; Serial No. 486,996; published Jan. 7, 1947.

Drying racks, Collapsible clothes. Artfred Mfg. Co. 428,509; Mar. 25; Serial No. 500,934; published Dec. 31, 1946.

CLASS 25

Latches. D. A. Morand. 428,372; Mar. 25; Serial No. 467,977; published Dec. 31, 1946.

CLASS 26

Control mechanisms, Thermostatically actuated. Rex Cole, Inc. 428,482; Mar. 25; Serial No. 498,116; published Dec. 31, 1946.

Eyeglass and spectacle frames and parts therefor. Kono Manufacturing Company. 428,529; Mar. 25; Serial No. 501,912; published Dec. 31, 1946.

Glasses, eye glasses, spectacles, etc., Sun. Comptone Company, Ltd. 428,543–4; Mar. 25; Serial Nos. 502,950–1; published Jan. 7, 1947.

Governor test machine, Propeller. Greer Hydraulics, Inc. 428,445; Mar. 25; Serial No. 494,270; published Dec. 31, 1946.

Guards for eyeglasses, Temple. R. C. Garvin. 428,427; Mar. 25; Serial No. 491,406; published Jan. 7, 1947.

Instruments for measuring and indicating or recording. Physicists Research Company. 428,394; Mar. 25; Serial No. 484,319; published Jan. 7, 1947.

Lens frames and mountings therefor, Opthalmic. Continental Optical Company, Inc. 428,528; Mar. 25; Serial No. 501,901; published Jan. 7, 1947.

Meters, gas meters, and meter recorders, Liquid. Rockwell Manufacturing Company. 428,478; Mar. 25; Serial No. 497,337; published Dec. 31, 1946.

Micrometers, Remote-reading. F. M. Poole. 428,411; Mar. 25; Serial No. 488,364; published Jan. 7, 1947.

Series of motion picture films. C. Dudley. 428,510; Mar. 25; Serial No. 500,969; published Jan. 7, 1947.

Spectacles and sunglasses. Plastispec Incorporated. 428,540; Mar. 25; Serial No. 502,594; published Dec. 31, 1946.

Spectacles and sunglasses. Plastispec Incorporated. 428,542; Mar. 25; Serial No. 502,919; published Jan. 7, 1947.

Sunglasses, spectacles, and lenses therefor. Marine Optical Mfg. Co. 428,405; Mar. 25; Serial No. 487,197; published Jan. 7, 1947.

Tapes, Measuring. Lufkin Rule Co. 428,428; Mar. 25; Serial No. 491,862; published Dec. 31, 1946.

CLASS 27

Clocks, Electric. Chicago Flexible Shaft Company. 428,410; Mar. 25; Serial No. 488,195; published Jan. 7, 1947.

Clocks, watches, and parts thereof. New Haven Clock Company. 428,506; Mar. 25; Serial No. 500,558; published Dec. 31, 1946.

Watches and clocks, and parts therefor. United States Time Corportion. 428,589; Mar. 25.

CLASS 28

Flatware, Plated. International Silver Company. 58,282; re-renewed Dec. 11, 1946. O. G. Mar. 25.

Jewelry for personal adornment, precious stones, sterling silver, etc. Singer's Jewelers. 428,621; Mar. 25.

Pearls, and the following made of precious and semiprecious metal; bracelets, brooches, chains, etc., Imitation. Fashion Craft Jewelry Co., Inc. 428,609; Mar. 25.

Tableware, flat ware, and hollow ware, etc., Solid and plated precious-metal. Oneida Community Limited. 59,707; re-renewed Jan. 17, 1947. O. G. Mar. 25.

CLASS 29

Brushes, draftsmen's brushes, painters' brushes, Artists'. F. Weber Co. 224,175; renewed Feb. 22, 1947. O. G. Mar. 25.

Brushes, Shaving. Lysol, Incorporated. 222,426; renewed Jan. 4, 1947. O. G. Mar. 25.

CLASS 30

China and earthenware. B. Weissman. 428,524; Mar. 25; Serial No. 501,425; published Jan. 7, 1947.

Containers, Ceramic. Ideas Unlimited. 428,409; Mar. 25; Serial No. 487,953; published Dec. 31, 1946.

Pottery articles. Roseville Pottery, Inc. 428,455; Mar. 25; Serial No. 495,101; published Dec. 24, 1946.

CLASS 31

Accumulators, capillary tubes and heat exchangers. Wabash Manufacturing Company. 428,434; Mar. 25; Serial No. 493,635; published Dec. 31, 1946.

Cases, beverage and water coolers, refrigerating equipment, etc., Refrigerated display. Viking Manufacturing Corporation. 428,556; Mar. 25; Serial No. 508,760; published Jan. 7, 1947.

Refrigerators, Ice. P. E. Richards. 428,523; Mar. 25; Serial No. 501,408; published Dec. 31, 1946.

CLASS 32

Bookends; breakfronts; coffee tables, etc. Eckhardt-Berman Corp. 428,374; Mar. 25; Serial No. 469,434; published Dec. 31, 1946.

Breakfast sets, Kitchen. Paramount Manufacturing Company. 428,559; Mar. 25; Serial No. 509,720; published Jan. 7, 1947.

Cabinets, base units for kitchen cabinets, sink drains, etc., Kitchen. Hyde Park Lumber Co. 428,416; Mar. 25; Serial No. 489,122; published Dec. 31, 1946.

Furniture, Juvenile and nursery. Gamble-Skogmo, Inc. 428,406; Mar. 25; Serial No. 487,320; published Dec. 31, 1946.

Racks, Merchandise display. Dewing Company. 428,562; Mar. 25; Serial No. 511,071; published Jan. 7, 1947.

Slip-covers, Furniture. Morton Sundour Fabrics Limited. 428,465; Mar. 25; Serial No. 496,323; published Jan. 7, 1947.

CLASS 34

Furnaces, Steel warm-air. Lennox Furnace Company. 222,885; renewed Jan. 11, 1947. O. G. Mar. 25.

Globes for lamps and lanterns. R. E. Dietz Company. 60,172–3; re-renewed Jan. 29, 1947. O. G. Mar 25

Heaters, Hot water. Tallman Company. 428,526; Mar. 25; Serial No. 501,484; published Jan. 7, 1947.

Lamps and lanterns, Oil-burning. R. E. Dietz Company. 59,138; re-renewed Jan. 1, 1947. O. G. Mar. 25.

Lamps and lanterns, Oil burning tubular. R. E. Dietz Company. 59,139; re-renewed Jan. 1, 1947. O. G. Mar. 25.

Lamps, lanterns and burners, Oil-burning. R. E. Dietz Company. 60,282; re-renewed Feb. 5, 1947. O. G. Mar. 25.

Lighters, Pyrophoric cigarette. Boyle Leather Goods Co. Inc. 428,553; Mar. 25; Serial No. 507,294; published Dec. 31, 1946.

Refrigerating units for year-around air conditioning apparatus, space coolers, etc. Viking Manufacturing Corporation. 428,557; Mar. 25; Serial No. 508,761; published Jan. 7, 1947.

CLASS 35

Belting. F. Raniville Co. 428,439; Mar. 25; Serial No. 493,895; published Jan. 7, 1947.

Hose. Goodyear Tire & Rubber Company. 428,560; Mar. 25; Serial No. 509,770; published Dec. 17, 1946.

Packing, rubber gaskets, rubber disks, etc., Rubber. A. B. Jenkins. 56,612; re-renewed Oct. 9, 1946. O. G. Mar. 25.

Tires and inner tubes, Pneumatic. Gem Tire & Rubber Co. 428,476; Mar. 25; Serial No. 497,237; published Dec. 17, 1946.

Tires and the following tire repair materials, Camel-back, tube repair gum and cushion gum, etc., Pneumatic rubber. Pennsylvania Rubber Company. 428,549; Mar. 25; Serial No. 503,743; published Dec. 17, 1946.

Tires; inner tubes; repair kits for tires, tubes and rubber footwear, etc., Pneumatic. Lee Rubber & Tire Corporation. 428,485; Mar. 25; Serial No. 498,290; published Jan. 7, 1947.

CLASS 36

Harmonicas. W. Kratt. 428,471; Mar. 25; Serial No. 496,914; published Dec. 24, 1946.

Needles, Phonograph. Elgin National Watch Company. 428,389; Mar. 25; Serial No. 482,316; published Jan. 7, 1947.

Records, Mechanically grooved phonograph. L. J. Arms. 428,469; Mar. 25; Serial No. 496,755; published Jan. 7, 1947.

CLASS 37

Blank books. Commonwealth Publishing Company. 218,820; renewed Oct. 5, 1946. O. G. Mar. 25.

Book marks. A. N. Davis. 428,520; Mar. 25; Serial No. 501,240; published Dec. 31, 1946.

Folders, Display. Eastman Kodak Company. 428,479; Mar. 25; Serial No. 497,469; published Jan. 7, 1947.

Mountings made of paper for photographs, Corner. J. R. Condon. 428,484; Mar. 25; Serial No. 498,271; published Jan. 7, 1947.

Paper and envelopes, Correspondence. United States Envelope Company. 428,432; Mar. 25; Serial No. 493,298; published Dec. 31, 1946.

Paper and envelopes, Correspondence. United States Envelope Company. 428,433; Mar. 25; Serial No. 493,301; published Dec. 31, 1946.

Paper and envelopes, Correspondence. United States Envelope Company. 428,438; Mar. 25; Serial No. 493,856; published Dec. 31, 1946.

Paper and envelopes, Correspondence. United States Envelope Company. 428,440; Mar. 25; Serial No. 493,904; published Dec. 31, 1946.

Paper and envelopes, Correspondence. United States Envelope Company. 428,443; Mar. 25; Serial No. 494,169; published Dec. 31, 1946.

Paper and greeting note paper, Greeting letter. Norcross. 428,436–7; Mar. 25; Serial Nos. 493,809–10; published Jan. 7, 1947.

Paper and greeting note paper, Greeting letter. Norcross. 428,459; Mar. 25; Serial No. 495,686; published Jan. 7, 1947.

Paper for printing and engraving purposes, etc. United States Envelope Company. 428,444; Mar. 25; Serial No. 494,171; published Dec. 31, 1946.

Paper, Wrapping. United Paper Company. 219,403; renewed Oct. 19, 1946. O. G. Mar. 25.

Pens, Fountain. Blackwell-Wielandy Book and Stationery Company. 223,433; renewed Feb. 1, 1947. O. G. Mar. 25.

Pens, mechanical pencils, and pen and pencil desk sets, Fountain. Parker Pen Company. 428,536; Mar. 25; Serial No. 502,453; published Dec. 31, 1946.

CLASS 38

Magazine, Monthly. A. W. Wolf. 217,486; renewed Aug. 31, 1946. O. G. Mar. 25.

Magazines published monthly. Dell Publishing Company, Inc. 222,417; renewed Jan. 4, 1947. O. G. Mar. 25.

Publication relating to mediums of exchange, Monthly. American Numismatic Association. 223,263; renewed Jan. 25, 1947. O. G. Mar. 25.

Trading-stamps. Eagle Trading Stamp Co. 60,255; re-renewed Feb. 5, 1947. O. G. Mar. 25.

CLASS 39

Boots, shoes, and slippers. Dunn & McCarthy, Inc. 218,131; renewed Sept. 21, 1946. O. G. Mar. 25.

Brassières. Sidallis, Inc. 428,512; Mar. 25; Serial No. 501,141; published Dec. 31, 1946.

Clothing, Waterproof. Laskin Brothers. 223,926; renewed Feb. 15, 1947. O. G. Mar. 25.

Coats and suits, Ladies', misses' and junior misses'. Loeb & Hoch, Inc. 428,612; Mar. 25.

Coats and suits, Ladies', misses' and juniors'. Nat Green, Inc. 428,590; Mar. 25.

Coats, overcoats, vests, etc., Men's, youth's, and children's. Stein Bloch Co. 60,573; re-renewed Feb. 12, 1947. O. G. Mar. 25.

Corsets, knitted underwear, woven underwear, and hosiery. De Cody Corset Co., Inc. 223,610; renewed Feb. 8, 1947. O. G. Mar. 25.

Dresses, blouses, outer skirts, etc., Children's and girls'. Schleifer & Lubbell. 428,489; Mar. 25; Serial No. 498,716; published Dec. 31, 1946.

Dresses, blouses, skirts, etc., for women, misses, juniors, and children. Linda Dress Manufacturing Corporation. 428,600; Mar. 25.

Dresses, Misses' and women's. Carl-Ed Dress Co., Inc. 428,577; Mar. 25.

Girdles, corsets, and brassières. Wolfe & Lang, Inc. 428,488; Mar. 25; Serial No. 498,673; published Dec. 31, 1946.

Hats, dresses, coats, etc., Ladies' and misses'. Weill & Hartmann. 216,954; renewed Aug. 24, 1946. O. G. Mar. 25.

Hosiery. Chas. Chipman's Sons. 59,430–1; re-renewed Jan. 8, 1947. O. G. Mar. 25.

Hosiery. Chas. Chipman's Sons. 60,787; re-renewed Feb. 19, 1947. O. G. Mar. 25.

Hosiery. Jacob & Schey. 223,587; renewed Feb. 8, 1947. O. G. Mar. 25.

Hosiery. Ragan-Maurice Mills, Inc. 428,585; Mar. 25.

Protectors in the nature of cuffs for the wrists and sleeves. S. W. Brunner. 428,608; Mar. 25.

Shirts, collars, and cuffs, Outer. Trubenizing Process Corporation. 428,492; Mar. 25; Serial No. 499,175; published Dec. 31, 1946.

Shoes and sandals, Men's, women's, and children's. Gerda Footwear Co. 428,507; Mar. 25; Serial No. 500,651; published Dec. 31, 1946.

Shoes, Ladies' and misses'. H. E. Levy, Jr. 428,493; Mar. 25; Serial No. 499,244; published Dec. 31, 1946.

Shoes, Men's. Conrad Shoe Company. 428,514; Mar. 25; Serial No. 501,165; published Dec. 31, 1946.

Skirts, Ladies'. M. J. Davis. 428,587; Mar. 25.

Socks, knitted and textile golf knickers, knitted and textile golf coats etc., Knitted golf. B. Rybke. 223,642; renewed Feb. 8, 1947. O. G. Mar. 25.

Suits, dresses, slacks, etc., Women's. Western Fashions. 428,583; Mar. 25.

Sweaters, blouses, skirts, etc., Ladies' and misses'. Lerner Brothers, Incorporated. 428,580; Mar. 25.

Underwear, Men's and children's textile-fabric. Campe Corporation. 220,999; renewed Nov. 23, 1946.. O. G. Mar. 25.

Underwear, Misses' and children's knitted and woven. Vogue Wear, Inc. 428,584; Mar. 25.

Underwear, One, two, and three piece ladies' knitted. Parsons & Baker Co. 223,716; renewed Feb. 8, 1947. O. G. Mar. 25.

CLASS 40

Buttons, buckles, slides, and dress ornaments. Schwanda & Bartleman Co. Inc. 224,102; renewed Feb. 15, 1947. O. G. Mar. 25.

Combs. P. Klein. 428,615; Mar. 25.

Spangles. Le Charm Trimmings, Inc. 428,503; Mar. 25; Serial No. 500,313; published Jan. 7, 1947.

Tape, Artificial leather binding. Stedfast Rubber Co., Inc. 428,533; Mar. 25; Serial No. 502,165; published Jan. 7, 1947.

CLASS 42

Comforters, Bed. Simon Mattress Manufacturing Co. 428,468; Mar. 25; Serial No. 496,481; published Jan. 7, 1947.

Cotton blankets. Nashua Manufacturing Company. 428,511; Mar. 25; Serial No. 501,084; published Dec. 31, 1946.

Cotton fabrics, Woven. Asher & Boretz, Inc. 428,397; Mar. 25; Serial No. 485,854; published July 23, 1946.

Cotton piece-goods. Iselin-Jefferson Company. 428,500; Mar. 25; Serial No. 500,007; published Dec. 24, 1946.

Curtains, Scrim sash. Boott Mills. 223,913; renewed Feb. 15, 1947. O. G. Mar. 25.

Draperies and upholsteries in the piece, Cotton and cotton-and-silk. Manville Jenckes Company. 205,078; renewed Nov. 3, 1945. O. G. Mar. 25.

Draperies and upholsteries in the piece, Cotton and cotton and silk. Manville Jenckes Company. 216,612; renewed Aug. 17, 1946. O. G. Mar. 25.

Draperies and upholsteries in the piece, Cotton and rayon. Manville Jenckes Company. 206,171; re-renewed Nov. 24, 1945. O. G. Mar. 25.

Fabrics and tubing, Coated. Bemis Bro. Bag Company. 428,425; Mar. 25; Serial No. 490,993; published Dec. 17, 1946.

Fabrics in the greige, bleached or dyed, and coated, etc., Woven cotton. Asher & Boretz, Inc. 428,426; Mar. 25; Serial No. 491,382; published Sept. 3, 1946.

Linen piece goods. F. A. Delaney. 428,392; Mar. 25; Serial No. 483,568; published Dec. 17, 1946.

Piece goods. Goldinger Fabrics Company. 428,568; Mar. 25.

Pillow cases, tickings, table cloths, etc. A. Temkin. 428,606; Mar. 25.

Sheets, sheeting, and pillowcases. Riverside & Dan River Cotton Mills, Inc. 428,515; Mar. 25; Serial No. 501,202; published Jan. 7, 1947.

Sheets, sheeting, and pillowcases. Riverside & Dan River Cotton Mills, Inc. 428,516; Mar. 25; Serial No. 501,204; published Jan. 7, 1947.

Sheets, sheeting, and pillowcases. Riverside & Dan River Cotton Mills, Inc. 428,517; Mar. 25; Serial No. 501,205; published Dec. 31, 1946.

Sheets, sheeting, and pillowcases. Riverside & Dan River Cotton Mills, Inc. 428,578; Mar. 25; Serial No. 501,206; published Jan. 7, 1947.

Worsted in the piece, Tropical. International Worsted Mill. 223,671; renewed Feb. 8, 1947. O. G. Mar. 25.

CLASS 43

Yarn, and mixed rayon and cotton yarn, Plastic. John Dritz & Sons. 428,617; Mar. 25.

CLASS 44

Arch supports. E-Z Walk Corporation. 428,382; Mar. 25; Serial No. 478,705; published Jan. 7, 1947.

Arch supports. Scholl Mfg. Co., Inc. 428,380; Mar. 25; Serial No. 478,252; published Jan. 7, 1947.

Coating or lining composition for dental mold. Cosmos Dental Products, Inc. 428,564; Mar. 25; Serial No. 512,163; published Dec. 31, 1946.

Denture reliner, Plastic. R. C. Eppstein. 428,552; Mar. 25; Serial No. 507,242; published Jan. 14, 1947.

Electro-therapeutic devices, and equipment. Teca Corporation. 428,446; Mar. 25; Serial No. 494,525; published Jan. 14, 1947.

Gum massagers. R. L. Lasater. 428,551; Mar. 25; Serial No. 505,213; published Jan. 14, 1947.

Resin denture base materials, Synthetic. Cosmos Dental Products, Inc. 428,565; Mar. 25; Serial No. 512,164; published Dec. 31, 1946.

Surgical dressings. Constant Traction Dressing Co., Inc. 428,431; Mar. 25; Serial No. 493,254; published Dec. 31, 1946.

CLASS 46

Cakes. Hanscom Baking Corporation. 428,578–9; Mar. 25.

Candies. E. J. Brach & Sons. 428,388; Mar. 25; Serial No. 482,134; published Jan. 7, 1947.

Canned and dried fruits, canned vegetables, fruit preserves, etc. Inderrieden Canning Co. 221,321; renewed Nov. 30, 1946. O. G. Mar. 25.

Canned boned turkey and broth. Washington Creamery Company. 428,613; Mar. 25.

Canned dog and cat food. C. L. Hirsch. 428,595; Mar. 25.

Canned fish. Van Landingham Co. 221,448; renewed Nov. 30, 1946. O. G. Mar. 25.

Canned fish and canned oysters. Klauber Wangenheim Co. 60,259; re-renewed Feb. 5, 1947. O. G. Mar. 25.

Canned fruit juices and fresh fruits and vegetables. Di Giorgio Fruit Corporation. 428,422; Mar. 25; Serial No. 489,903; published Dec. 24, 1946.

Canned oysters, Fresh. H. B. Kennerly & Son. 428,472; Mar. 25; Serial No. 496,968; published Dec. 24, 1946.

Canned vegetables. Safeway Stores, Incorporated. 428,371; Mar. 25; Serial No. 459,136; published Jan. 7, 1947.

Canned vegetables and canned fruits. New Era Canning Company. 428,378; Mar. 25; Serial No. 475,730; published Dec. 24, 1946.

Cereals, Breakfast. Doughboy Mills, Inc. 428,369; Mar. 25; Serial No. 451,411; published June 26, 1945.

Cheese. Empire State Cheese Company. 428,495; Mar. 25; Serial No. 499,701; published Dec. 24, 1946.

Chicken, Fried. J. A. Williams. 428,502; Mar. 25; Serial No. 500,155; published Jan. 7, 1947.

Chocolates. L. Jacquin. 217,675; renewed Sept. 7, 1946. O. G. Mar. 25.

Coffee. J. M. Price. 57,128; re-renewed Nov. 6, 1946. O. G. Mar. 25.

Coffee and tea. National Tea Co. 428,490; Mar. 25; Serial No. 498,856; published Jan. 7, 1947.

Confectionery. Cynthia Sweets Company. 428,387; Mar. 25; Serial No. 480,277; published Dec. 24, 1946.

Cookies. E. E. Gray. 428,418; Mar. 25; Serial No. 489,665; published Jan. 7, 1947.

Feed for livestock and poultry, Mixed. Fant Milling Company. 428,398; Mar. 25; Serial No. 486,032; published Jan. 7, 1947.

Food, Bird. F. Kaempfer. 58,891; re-renewed Dec. 25, 1946. O. G. Mar. 25.

Food, Cat. National Pet Foods, Inc. 428,417; Mar. 25; Serial No. 489,343; published Mar. 26, 1946.

Food prdoucts for human and animal consumption. Fruen Milling Company. 428,386; Mar. 25; Serial No. 480,269; published Jan. 7, 1947.

Fruits, Fresh citrous. Placentia Orange Growers Association. 224,144; renewed Feb. 22, 1947. O. G. Mar. 25.

Fruit products. Case-Swayne Company. 428,390; Mar. 25; Serial No. 483,052; published Dec. 24, 1946.

Fruits, Fresh citrus. Mentone Heights Association. 428,605; Mar. 25.

Fruits, Fresh citrus. Somis Lemon Association. 428,548; Mar. 25; Serial No. 503,609; published Dec. 24, 1946.

Hominy, Packaged. J. F. Acheterberg. 428,567; Mar. 25.

Pickles, spices, preserved vegetables, etc. Noel & Cia., Ltda. Sociedad Argentina de Dulces y Conservas. 428,373; Mar. 25; Serial No. 468,469; published Dec. 24, 1946.

Potatoes. M. Carp & Son, Inc. 428,413; Mar. 25; Serial No. 488,393; published June 18, 1946.

Pretzels. H. Krasner. 428,423; Mar. 25; Serial No. 489,913; published Dec. 31, 1946.

Protein hydrolysate. Maltine Company. 428,505; Mar. 25; Serial No. 500,549; published Jan. 7, 1947.

Salt substitute, Table. S. Klein. 428,504; Mar. 25; Serial No. 500,395; published Jan. 7, 1947.

Seasoning and coloring agent. Continental Coffee Company. 428,534; Mar. 25; Serial No. 502,193; published Dec. 24, 1946.

Soup bases, Concentrated. Empire Dehydrated Products, Inc. 428,538; Mar. 25; Serial No. 502,507; published Dec. 24, 1946.

Tea. Crescent Manufacturing Co. 60,451; re-renewed Feb. 12, 1947. O. G. Mar. 25.

Vegetables, Fresh. A. Arena and Co., Ltd. 428,582; Mar. 25.

Vegetable oil, Brominated. Abbott Laboratories. 428,545; Mar. 25; Serial No. 503,542; published Dec. 31, 1946.

Vegetable shortening. Portsmouth Cotton Oil Refining Corporation. 218,925; renewed Oct. 5, 1946. O. G. Mar. 25.

Vegetables, Fresh. Porterville Vegetable Growers Inc. 428,487; Mar. 25; Serial No. 498,453; published Dec. 24, 1946.

Vegetables, Fresh. Sunrise Produce Co. 428,537; Mar. 25; Serial No. 502,472; published Dec. 24, 1946.

Wheat-flour. New Era Milling Company. 57,225; re-renewed Nov. 6, 1946. O. G. Mar. 25.

Yeast, Compressed. Fleischmann Co. 60,274; re-renewed Feb. 5, 1947. O. G. Mar. 25.

CLASS 50

Felt, dry, partly impregnated or fully impregnated with asphalt, Natural or artificial. Congoleum-Nairn Inc. 428,522; Mar. 25; Serial No. 501,365; published Jan. 7, 1947.

Figurines, Glass. American Glass Art Co. 428,449; Mar. 25; Serial No. 494,808; published Dec. 24, 1946.

Kit, which consists of aluminum or white enamel sterilizer and rack, nipple, sterilizer, etc., Baby. Formulette Company. 428,403; Mar. 25; Serial No. 486,946; published Jan. 7, 1947.

Tympan covers, and sheets, comprising a cloth, paper or other sheet material. Minnesota Mining & Manufacturing Company. 428,381; Mar. 25; Serial No. 478,639; published Jan. 7, 1947.

Waving kit, Home permanent. Madamoiselle Co. 428,407; Mar. 25; Serial No. 487,425; published Dec. 31, 1946.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 25TH DAY OF MARCH, 1947

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Andersen, Thomas K., Port Richmond, N. Y. Digging attachment for tractors or the like. Re. 22,855; Mar. 25.

Arrow-Hart & Hegeman Electric Co., The, assignee: *See*—
Johnson, David W.

Brown, Leo C.: *See*—
Roth, Warren D., Brown, and Phelps.

Industrial Patents Corporation, assignee: *See*—
Roth, Warren D., Brown, and Phelps.

Johnson, David W., New Britain, assignor to The Arrow-Hart & Hegeman Electric Co., Hartford, Conn. Electric switch. Re. 22,856; Mar. 25.

Ogburn, Bobbie G., assignee, et al.: *See*—
Ogburn, Herbert H.

Ogburn, Herbert H., assignor of one-half to B. G. Ogburn, one-fourth to J. Ogburn, and one-fourth to S. Ogburn, Greensboro, N. C. Suturing instrument. Re. 22,857; Mar. 25.

Ogburn, Jean, assignee, et al.: *See*—
Ogburn, Herbert H.

Ogburn, Sally, assignee, et al.: *See*—
Ogburn, Herbert H.

Phelps, Guy W.: *See*—
Roth, Warren D., Brown, and Phelps.

Roth, Warren D., L. C. Brown, and G. W. Phelps, Chicago, Ill., assignors to Industrial Patents Corporation. Method of manufacturing ice cream and the product thereof. Re. 22,858; Mar. 25.

LIST OF PLANT PATENTEES

Conard-Pyle Company, The, assignee: *See*—
Mallerin, Charles.
Meilland, Francis.

Denoyel, Marguerite, Venissieux, near Lyon, France, assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 725; Mar. 25.

De Ruiter, Gerrit, Hazerswoude, Netherlands, assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 726; Mar. 25.

Gaujard, Jean Feyzin, France, assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 727; Mar. 25.

Greiner, Charles A., Marlboro, N. Y. Pear tree. 728; Mar. 25.

Jackson & Perkins Company, assignee: *See*—
Denoyel, Marguerite.
De Ruiter, Gerrit.
Gaujard, Jean.
Van Rossem, Gerard A.

Mallerin, Charles, Varces, France, assignor to The Conard-Pyle Company, West Grove, Pa. Rose plant. 729; Mar. 25.

Mallerin, Charles, Varces, France, assignor to The Conard-Pyle Company, West Grove, Pa. Rose plant. 730; Mar. 25.

Meilland, Francis, Tassin-les-Lyon, France, assignor to The Conard-Pyle Company, West Grove, Pa. Rose plant. 731; Mar. 25.

Van Rossem, Gerard A., Naarden, Netherlands, assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 732; Mar. 25.

LIST OF DESIGN PATENTEES

American Type Founders, Incorporated, assignee: *See*—
Hacker, Fred A.

Blake, Charles B., Pelham Manor, N. Y., assignor to Tiffany & Company. Spoon or analogous article. 146,494; Mar. 25.

Chernow, Michael, New York, N. Y. Earring or similar article. 146,495; Mar. 25.

Chernow, Michael, New York, N. Y. Earring or similar article. 146,496; Mar. 25.

Coro Inc., assignee: *See*—
Katz, Adolph.

Derham, Philip A., Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Container cap. 146,497; Mar. 25.

Dietze, George E., assignor of one-half to H. J. and L. Wald, Pittsburgh, Pa. Font of type or similar article. 146,498; Mar. 25.

Ellmore Silver Co., Inc., The, assignee: *See*—
Malinowski, Harry A.

Finn, John F., Burbank, assignor, by mesne assignments, to F. K. Storm, Jr., Los Angeles, Calif. Molded handle for sweepers, vacuum cleaners and similar articles. 146,499; Mar. 25.

Freel, Albert E., Tallahassee, Fla. Global time dial or similar article. 146,500; Mar. 25.

Hacker, Fred A., Cranford, assignor, by mesne assignments, to American Type Founders, Incorporated, Elizabeth, N. J. Vibrating jogger for paper sheets or the like. 146,501; Mar. 25.

Hawkridge Brothers Company, assignee: *See*—
Shaw, Edward L.

Hooper, Wallace C., Los Angeles, Calif. Toy gun. 146,502; Mar. 25.

Katz, Adolph, Providence, R. I., assignor to Coro Inc., New York, N. Y. Brooch or similar article. 146,503; Mar. 25.

Kavenagh, William E., Windsor, Vt., assignor to Wingfoot Corporation, Akron, Ohio. Shoe sole. 146,504; Mar. 25.

Kavenagh, William E., Windsor, Vt., assignor to Wingfoot Corporation, Akron, Ohio. Shoe sole. 146,505; Mar. 25.

Kenny, Mary O., San Bernardino, Calif. Nightgown. 146,506; Mar. 25.

Larsen, Olai F., Jr., Demarest, N. J., assignor to Noma Electric Corporation, New York, N. Y. Multiple wheeled pull toy. 146,507; Mar. 25.

Larsen, Olai F., Jr., Demarest, N. J., assignor to Noma Electric Corporation, New York, N. Y. Toy dump truck. 146,508; Mar. 25.

Larsen, Olai F., Jr., Demarest, N. J., assignor to Noma Electric Corporation, New York, N. Y. Toy ferryboat. 146,509; Mar. 25.

Larsen, Olai F., Jr., Demarest, N. J., assignor to Noma Electric Corporation, New York, N. Y. Toy trailer. 146,510; Mar. 25.

Lederer, George J., Providence, R. I. Bracelet. 146,511; Mar. 25.

Lederer, George J., Providence, R. I. Bracelet. 146,512; Mar. 25.

Lederer, George J., Providence, R. I. Bracelet. 146,513; Mar. 25.

Malinowski, Harry A., assignor to The Ellmore Silver Co., Inc., Meriden, Conn. Plate or similar article. 146,514; Mar. 25.

Matuzoff, Batrisha, Hollywood, Calif. Display stand or similar article. 146,515; Mar. 25.

Matuzoff, Batrisha, Hollywood, Calif. Display stand or similar article. 146,516; Mar. 25.

Meyercord Co., The, assignee: *See*—
Westrate, Ada.

Nieboer, Hendrik A., London, England. Electric iron. 146,517; Mar. 25.

Noma Electric Corporation, assignee: *See*—
Larsen, Olai F., Jr.

Ramsthal, Alfred F., assignor to West Bend Aluminum Company, West Bend, Wis. Handle for cooking vessels and the like. 146,518; Mar. 25.

Ramsthal, Alfred F., assignor to West Bend Aluminum Company, West Bend, Wis. Platter or similar article. 146,519; Mar. 25.
Ramsthal, Alfred F., assignor to West Bend Aluminum Company, West Bend, Wis. Sauce pan or similar article. 146,520; Mar. 25.
Reggie, Christy, Waynesville, N. C. Shoe. 146,521; Mar. 25.
Ressinger, Paul M., Chicago, Ill. Merchandise showcase or the like. 146,522; Mar. 25.
Reynolds, Lauren R., Joplin, Mo. Stove. 146,523; Mar. 25.
Robbins, Celia, New York, N. Y. Finger ring or similar article. 146,524; Mar. 25.
Scheemaeker, Emile, Blackstone, Mass. Bottle. 146,525; Mar. 25.
Shaw, Edward L., Brookline, assignor to Hawkridge Brothers Company, Boston, Mass. Holder for tableware or other articles. 146,526; Mar. 25.
Shetlin, Emil, Los Angeles, Calif. Draftsman's pencil. 146,527; Mar. 25.
Shimotori, Takeo, Wahiawa, Hawaii. Perfume container or the like. 146,528; Mar. 25.
Storm, Frederick K., Jr., assignee: *See—*
  Finn, John F.
Suraci, Anthony, Scranton, Pa. Cigar package. 146,529; Mar. 25.
Swartzmiller, Joseph J., Carnegie, Pa. Picture stand. 146,530; Mar. 25.
Tiffany & Company, assignee: *See—*
  Blake, Charles B.
Tomarin, Harry A., Cincinnati, Ohio. Clock figure toy. 146,531; Mar. 25.
Victor Metal Products Corporation, assignee: *See—*
  Derham, Philip A.
Wald, Harry J., assignee, et al.: *See—*
  Dietze, George E.
Wald, Leon, assignee, et al.: *See—*
  Dietze, George E.
West Bend Aluminum Company, assignee: *See—*
  Ramsthal, Alfred F.
Westrate, Ada, assignor to The Meyercord Co., Chicago, Ill. Wallpaper border or similar article. 146,532; Mar. 25.
Westrate, Ada, assignor to The Meyercord Co., Chicago, Ill. Wallpaper border or similar article. 146,533; Mar. 25.
Wingfoot Corporation, assignee: *See—*
  Kavenagh, William E

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 25TH DAY OF MARCH, 1947

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrahamson, William, Chicago, Ill. Refrigerated display cabinet. 2,418,062; Mar. 25.
Adams, Clyde S., Yellow Springs, assignor to The National Cash Register Company, Dayton, Ohio. 3.3 bis (4 dimethylaminophenyl) 6-dimethylaminophenyl phthalide. 2,417,897; Mar. 25.
Adler, Howard, Flossmoor, Ill., assignor to Victor Chemical Works. Stable iodized calcium phosphate. 2,417,804; Mar. 25.
Agriculture, United States of America, as represented by the Secretary of: *See—*
  Goldthwait, Charles F., Smith, and Barnes.
  Stamm, Alfred J., and Tarkow.
Alling, E. Roy, Kenmore, N. Y., and H. A. Trebler, Baltimore, Md., assignors to Rice & Adams Corporation, Buffalo, N. Y. Removing and concentrating residue from containers. 2,418,063; Mar. 25.
Allmänna Svenska Elektriska Aktiebolaget, assignee: *See—*
  Widèn, Erik, and Lindahl.
American Brake Shoe Company, assignee: *See—*
  Browne, Lindsay H.
American Cyanamid Company, assignee: *See—*
  Kuh, Erwin, Dhein and Ebel.
American Pipe and Construction Co., assignee: *See—*
  Munger, Charles G.
American Steel Foundries, assignee: *See—*
  Flesch, Norman.
  Tack, Carl E., and Helsten.
Andrew, John P.: *See—*
  Ledin, Charles, and Andrew.
Andrews, Nadejda V., assignee: *See—*
  Kingsley, Joseph F.
Angell, Charles H., assignor to Universal Oil Products Company, Chicago, Ill. Catalytic conversion of fluid reactants. 2,418,003; Mar. 25.
Armistead, William H., assignor to Corning Glass Works, Corning, N. Y. Alabaster glass. 2,417,898; Mar. 25.
Armstrong, Ernest, Camden, N. J. Dust guard well closure. 2,417,853; Mar. 25.
Armstrong, Gordon, Cleveland, Ohio. Portable baby incubator. 2,417,962; Mar. 25.
Ashman, Herbert W., Hale, England. Roof and roofing sheets for use therein. 2,417,899; Mar. 25.
Askania Regulator Company, assignee: *See—*
  Glass, Paul.
Attias, Joshua, New York, N. Y. Gas heated soldering iron. 2,418,004; Mar. 25.
Austin, Harold T., Seattle, Wash. Wheel revolving means. 2,418,064; Mar. 25.
Automatic Control Corporation, assignee: *See—*
  Bower, George D.
Automatic Electric Laboratories, Inc., assignee: *See—*
  Giannini, Gabriel M.
Badham, William T., Birmingham, Ala. Subliming chamber. 2,417,900; Mar. 25.
Bagsar, Aaron B., Drexel Hill, assignor to Sun Oil Company, Philadelphia, Pa. Valve construction. 2,417,901; Mar. 25.
Baker, John H., and P. J. Schwarzhaupt, Schenectady, N. Y., assignors to General Electric Company. Electric switch. 2,418,005; Mar. 25.
Bangert, Charles, Jr., Ballston Spa, N. Y., assignor to General Electric Company. Circuit breaker. 2,418,006; Mar. 25.
Barish, Thomas, University Park, assignor to Engineering and Research Corporation, Riverdale, Md. Airplane wheel and brake. 2,417,854; Mar. 25.
Barish, Thomas, University Park, assignor to Engineering and Research Corporation, Riverdale, Md. Disc brake. 2,417,855; Mar. 25.
Barish, Thomas, Cheverly, assignor to Engineering and Research Corporation, Riverdale, Md. Disc brake. 2,417,856; Mar. 25.
Barish, Thomas, Cheverly, assignor to Engineering and Research Corporation, Riverdale, Md. Disc brake. 2,417,857; Mar. 25.
Barnard, Roy M., and A. Cooper, London, W. C. 2, England, assignors to International Standard Electric Corporation, New York, N. Y. Electric oscillation generator and amplifier. 2,417,805; Mar. 25.
Barnes, Joseph T., and W. A. Collins, Columbus, Ohio, assignors to Curtiss-Wright Corporation. Method of reproducing templets or patterns. 2,418,007; Mar. 25.
Barnes, Larry B.: *See—*
  Goldthwait, Charles F., Smith, and Barnes.
Barnhart, Edgar W., assignor to The General Excavator Company, Marion, Ohio. Steering mechanism for portable hoists and excavators. 2,417,963; Mar. 25.
Barrows, Stephen S., Minneapolis, Minn. Magnifying attachment for measuring instruments and the like. 2,417,902; Mar. 25.
Bauer, Charles A., Newburg, assignor to Hoosier Cardinal Corporation, Evansville, Ind. Ice-cube tray. 2,418,008; Mar. 25.
Bauer, Hans F., and E. F. Glabe, Chicago, Ill., assignors, by mesne assignments, to Stein, Hall & Co., Inc. Inhibition or retardation of the growth of micro-organisms in meat. 2,417,806; Mar. 25.
Becker, John S., Rochelle Park, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind. Rotary hydraulic clutch. 2,417,964; Mar. 25.
Becker, Walter, Dayton, Ohio, assignor to The Hydraulic Development Corporation, Inc., Wilmington, Del. Control system for hydraulic presses. 2,417,858; Mar. 25.
Bell Telephone Laboratories, Incorporated, assignee: *See—*
  Keller, Arthur C.
  Kinkead, Fullerton S.
Bendix Aviation Corporation, assignee: *See—*
  Becker, John S.
  Miles, John R.
  Nardone, Romeo M.
Bendix Home Appliances, Inc., assignee: *See—*
  Bowen, Myron W.
Bennett, Walter, assignor to Utility Trailer Manufacturing Company, Los Angeles, Calif. Drop leg and coupler interlock for trailers. 2,417,903; Mar. 25.
Bennett, Walter, assignor to Utility Trailer Manufacturing Company, Los Angeles, Calif. Interlock for couplings and supports for trailers. 2,417,904; Mar. 25.
Beresin, Morris, Philadelphia, Pa. Artificial tooth. 2,417,965; Mar. 25.
Berman, Hyman, Bronx, N. Y. Back-protective surgical suspender vest. 2,418,009; Mar. 25.
Biddle, William P., Jr.: *See—*
  Sanford, Hugh W., and Biddle.
Bigelow-Sanford Carpet Co., Inc., assignee: *See—*
  Dow, James N.
Binckley, George S., deceased, by S. W. Binckley, executor, Los Angeles, Calif. Integrating linkage. 2,417,966; Mar. 25.
Binckley, William, executor: *See—*
  Binckley, George S.
Blaydes, Frederick T., Canton, Ill., assignor to International Harvester Company. Peanut harvester. 2,417,905; Mar. 25.
Bobst, Henri, Lausanne, Switzerland. Blank feeding means. 2,418,065; Mar. 25.
Boivin, Odilon, Montreal, Quebec, Canada. Shoe heel and attaching the same. 2,417,906; Mar. 25.
Booe, James M., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Contact element. 2,417,967; Mar. 25.
Bowen, Hugh S., Sr., Fairfield, and J. A. Smith, Jr., Birmingham, Ala. Electric arc welding apparatus. 2,417,907; Mar. 25.
Bowen, Myron W., Niles, Mich., assignor to Bendix Home Appliances, Inc., South Bend, Ind. Tub having a water inlet provided with a vacuum breaker. 2,417,908; Mar. 25.
Bower, George D., University City, assignor to Automatic Control Corporation, St. Louis, Mo. Cyclic safety control for burners and the like. 2,417,909; Mar. 25.
Browall, Bert H., assignor to Svenska Aktiebolaget Bromsregulator, Malmo, Sweden. Load gear equipment for vehicle brakes. 2,417,859; Mar. 25.
Brown Instrument Company, The, assignee: *See—*
  Side, Frederick W.
Browne, Lindsay H., Westport, Conn., assignor to American Brake Shoe Company. Check valve. 2,417,968; Mar. 25.
Bruegger, Robert D., Chicago, Ill. Internal-combustion engine. 2,417,910; Mar. 25.
Bruelheide, Louis B., Bedford, Ohio. Mail box. 2,418,010; Mar. 25.
Bruker, Hobart W., Bordentown, N. J. Paperboard slitting and scoring mechanism. 2,418,066; Mar. 25.
Brunner, Mary M., administratrix: *See—*
  Brunner, Reed R.
Brunner, Reed R., deceased, by M. M. Brunner, administratrix, Baltimore, Md. Radio beacon. 2,417,807; Mar. 25.
Bucyrus-Erie Company, assignee: *See—*
  Hoar, Roger S.
  Stevens, Paul S.
Budd Company, The, assignee: *See—*
  Strickland, Harold A., Jr.
  Watter, Michael.
  Weightman, William A.
  Wohler, Stanley A.
Byard Manufacturing Company, Limited, assignee: *See—*
  Marder, Estella P., and Green.

- Caesar, George V., Staten Island, N. Y., and T. D. Thompson, North Branch, N. J., assignors to Stein, Hall & Company, Inc., New York, N. Y. Dissociated starch and making the same. 2,417,969 ; Mar. 25.
- Campbell, Lyman L. : *See*—
  - Hodson, George F., and Campbell.
- Carbide and Carbon Chemicals Corporation, assignee : *See*—
  - Powell, George M., 3d, and Carlston.
- Carlson, Harold A., University City, assignor to Carter Carburetor Corporation, St. Louis, Mo. Antipercolator structure for carburetor. 2,418,011 ; Mar. 25.
- Carlson, John T., Dayton, Ohio, assignor to The Master Electric Company. Switch for air conditioning apparatus. 2,417,911 ; Mar. 25.
- Carlston, Earl F. : *See*—
  - Powell, George M., 3d, and Carlston.
- Carpenter, Owen G., Sr., Pelham, N. Y. Camera and light support. 2,418,067 ; Mar. 25.
- Carter Carburetor Corporation, assignee : *See*—
  - Carlson, Harold A.
- Carter, Philip S., Rocky Point, N. Y., assignor to Radio Corporation of America. Antenna system. 2,417,808 ; Mar. 25.
- Chester, Thomas, Detroit, Mich. Impeller for centrifugal apparatus. 2,418,012 ; Mar. 25.
- Clark Equipment Company, assignee : *See*—
  - Williams, Alfred O.
- Clark, Harry F., Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Split-phase motor thermal starting switch. 2,417,912 ; Mar. 25.
- Clayton Manufacturing Company, assignee : *See*—
  - Cline, Edwin L.
- Cline, Edwin L., Pasadena, assignor to Clayton Manufacturing Company, Alhambra, Calif. Thermostatic switch. 2,417,860 ; Mar. 25.
- Cluett Peabody & Co., Inc., assignee : *See*—
  - Touloumis, Simon.
- Codet, Howard G. : *See*—
  - Hill, Ralph M., and Codet.
- Coleman, Gerald H., and W. D. Schroeder, assignors to The Dow Chemical Company, Midland, Mich. Amine salts of polychloro-2-hydroxydiphenyl. 2,417,809 ; Mar. 25.
- Collins, William A. : *See*—
  - Barnes, Joseph T., and Collins.
- Comber, Francis W., Philadelphia, Pa. Antirattle device for window sash. 2,417,970 ; Mar. 25.
- Consolidated Vultee Aircraft Corporation, assignee : *See*—
  - Schmidt, Howard F.
- Continental Oil Company, assignee : *See*—
  - Jones, William A.
  - Lincoln, Bert H., and Hersh.
- Cook, Earle S., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Variable load brake. 2,418,013 ; Mar. 25.
- Cooper, Albert : *See*—
  - Barnard, Roy M., and Cooper.
- Cornelius, Anders E. A. S., Stockholm, Sweden, assignor to Y. R. E. Cornelius, Portland, Oreg. Electric glass furnace. 2,417,913 ; Mar. 25.
- Cornelius, Richard T., Minneapolis, Minn. Switch. 2,418,068 ; Mar. 25.
- Cornelius, Yngve R. E., assignee : *See*—
  - Cornelius, Anders E. A. S.
- Corning Glass Works, assignee : *See*—
  - Armistead, William H.
- Costello, Francis G., Los Angeles, Calif. Variable speed transmission device. 2,417,914 ; Mar. 25.
- Creed and Company Limited, assignee : *See*—
  - Thompson, Alfred E.
- Crompton & Knowles Looms Works, assignee : *See*—
  - Turner, Richard G.
- Crossman, Fred, and E. A. Southam, assignors to Lindsay Wire Weaving Company, Cleveland, Ohio. Needle grinder for fine die drilling machines. 2,417,810 ; Mar. 25.
- Crossman, Fred, E. A. Southam, and G. J. Ruhl, assignors to The Lindsay Wire Weaving Company, Cleveland, Ohio. Diamond die driller. 2,417,811 ; Mar. 25.
- Culp, Lide C., El Dorado, Ark. Grinding valves. 2,417,971 ; Mar. 25.
- Curren, Paul G., U. S. Navy. Wax bite rim former. 2,417,812 ; Mar. 25.
- Curtis, Henry C., Vallejo, Calif. Cutting tool. 2,417,813 ; Mar. 25.
- Curtiss-Wright Corporation, assignee : *See*—
  - Barnes, Joseph T., and Collins.
  - Hirsch, Harold.
- Curved Plywood Products Co., assignee : *See*—
  - Stewart, James S.
- Daab, Elmer L., University City, Mo. Window construction. 2,418,014 ; Mar. 25.
- Dahlberg, Arthur O., Scarsdale, N. Y. Fountain pen. 2,417,861 ; Mar. 25.
- Dale, Clark H., Lewiston, N. Y., assignor, by mesne assignments, to United States Vanadium Corporation. Dehydration of acetonitrile by decantation and distillation. 2,417,862 ; Mar. 25.
- Dale, Colin B., Oak Park, assignor to Webster-Chicago Corporation, Chicago, Ill. Phonograph needle guard. 2,417,814 ; Mar. 25.
- D'Arcy, James M., Brooklyn, N. Y. Cymbal beating device. 2,417,972 ; Mar. 25.
- Deady, Emmett F., Arlington, Va., assignor to Engineering and Research Corporation, Riverdale, Md. Disc brake. 2,417,863 ; Mar. 25.
- Degnen, William J., Westfield, assignor to The M. W. Kellogg Company, Jersey City, N. J. Catalytic conversion of hydrocarbon oils. 2,417,973 ; Mar. 25.
- Delano, Richard, Inc., assignee : *See*—
  - Delano, William R. P.
- Delano, William R. P., Syosset, assignor to Richard Delano, Inc., Setauket, N. Y. Head gear. 2,418,069 ; Mar. 25.
- De Mar, Michael, assignor to J. White, New York, N. Y. Dog's garment. 2,417,803 ; Mar. 25.
- Dhein, Leonard H. : *See*—
  - Kuh, Erwin, Dhein, and Ebel.
- Dinsmore, Clarence B., Flint, Mich. Magnetic compass compensating field device. 2,417,864 ; Mar. 25.
- Dodge Manufacturing Corporation, assignee : *See*—
  - Fast, Marion L.
- Donald, Archibald, Prospect Park, and J. Jacobstein, Crumn Lynne, Pa. Heating apparatus. 2,418,015 ; Mar. 25.
- Douglas, James L., Cleveland Heights, Ohio. Marking device. 2,417,865 ; Mar. 25.
- Dow Chemical Company, The, assignee : *See*—
  - Coleman, Gerald H., and Schroeder.
  - Perkins, Ralph P., and Rigterink.
- Dow, James N., Longmeadow, Mass., assignor to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Mothproofing pile fabrics. 2,417,916 ; Mar. 25.
- Downs, George W., Pasadena, and D. A. Kelly, Los Angeles, assignors to William Miller Corporation, Pasadena, Calif. Demodulator circuit. 2,417,974 ; Mar. 25.
- Dreisin, Alexander, Chicago, Ill., assignor to International Harvester Company. Fuel pump with automatic timer. 2,417,915 ; Mar. 25.
- Du Pont, E. I., de Nemours & Company, assignee : *See*—
  - Ernsberger, Maurice L., and Pinkney.
  - Paggi, Louis.
  - Walker, Joseph F.
- Duval, Fernand C., New York, N. Y. Coat hanger for chairs. 2,417,866 ; Mar. 25.
- Earp, Charles W., London, W. C. 2, assignor to Standard Telephones and Cables Limited, London, England. Radio distance meter. 2,417,815 ; Mar. 25.
- Ebel, Robert H. : *See*—
  - Kuh, Erwin, Dhein, and Ebel.
- Ebers, Earl S., Nutley, N. J., assignor to United States Rubber Company, New York, N. Y. Composition containing alkaline latex and resorcinol-formaldehyde-amine resin. 2,417,975 ; Mar. 25.
- Eddy, William R. : *See*—
  - St. Clair, Theodore A., and Eddy.
- Edelston, Murray G., Chicago, Ill. Brassière. 2,418,016 ; Mar. 25.
- Ellicock, Albert B., assignor to James R. Kearney Corporation, St. Louis, Mo. Electrical protective device. 2,418,017 ; Mar. 25.
- Ellison, Leslie J. : *See*—
  - Richards, Edward A., Ellison, and Gray.
- Engineering and Research Corporation, assignee : *See*—
  - Barish, Thomas.
  - Deady, Emmett F.
- Ernsberger, Maurice L., and P. S. Pinkney, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Methyl methacrylate polymer laminated to a polyvinyl butyral by means of silicic adhesive. 2,418,018 ; Mar. 25.
- Everel Propeller Corporation, assignee : *See*—
  - Everts, Walter W.
- Everts, Walter W., assignor to Everel Propeller Corporation, Baltimore, Md. Variable pitch propeller. 2,417,917 ; Mar. 25.
- Falk Corporation, The, assignee : *See*—
  - Schmitter, Walter P., and Wellauer.
- Fallon, Wilmer S., Cleveland, Ohio. Fluid pump or motor. 2,417,816 ; Mar. 25.
- Fast, Gustave : *See*—
  - Mulholland, David E., Fast, and Lawrence.
- Fast, Marion L., South Bend., assignor to Dodge Manufacturing Corporation, Mishawaka, Ind. Clutch and brake mechanism. 2,418,019 ; Mar. 25.
- Fatur, James L., Culver City, Calif. Household utility truck. 2,417,918 ; Mar. 25.
- Fieser, Louis F., Belmont, Mass., assignor to Research Corporation, New York, N. Y. Substituted naphthoquinones and producing the same. 2,417,919 ; Mar. 25.
- Filter Media Corporation, assignee : *See*—
  - Teale, Harold A.
- Filtrol Corporation, assignee : *See*—
  - Gary, Wright W.
- Finlayson, Frank E., Ontario, Calif., assignor to General Electric Company. Flatiron. 2,418,020 ; Mar. 25.
- Finn, Thomas J., West Roxbury, Mass. Stapling machine. 2,417,817 ; Mar. 25.
- Finn, Thomas J., West Roxbury, Mass. Unwinder control mechanism. 2,417,818 ; Mar. 25.
- First Bank and Trust Company, assignee, et al. : *See*—
  - Graham, Warren C.
- Flaxman, Marcellus T. : *See*—
  - Kollen, Myron H., and Flaxman.

- Fleischer, John, Van Dyke, Mich. Gun drill. 2,418,021 ; Mar. 25.
- Flesch, Norman, assignor to American Steel Foundries, Chicago, Ill. Brake head balancing device. 2,418,022 ; Mar. 25.
- Flink, John H., Watertown, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for applying coating material to a series of objects. 2,417,920 ; Mar. 25.
- Food Machinery Corporation, assignee : *See*—
  - Fox, Richard D.
  - Kalmar, Arthur F.
  - Krueger, Frank W.
- Ford, Ian A. M. : *See*—
  - Parkes, Deric W., and Ford.
- Fox, Richard D., assignor to Food Machinery Corporation, San Jose, Calif. Flexibly suspended ball means for advancing articles over transverse assorting rollers. 2,417,921 ; Mar. 25.
- Franklin, Godfrey, Vallejo, Calif. Float valve for air filters. 2,417,976 ; Mar. 25.
- Frazer, John E., Burbank, Calif., assignor, by mesne assignments, to Lockheed Aircraft Corporation. Mounting means for fabric and like covering sheets. 2,417,922 ; Mar. 25.
- French, Jeannette, Kew Gardens, N. Y. Cook stove and range. 2,417,977 ; Mar. 25.
- Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Catalytic reconstruction of hydrocarbons. 2,418,023 ; Mar. 25.
- Frisk, Nils P. W., Stockholm, assignor, by mesne assignments, to Telefon Aktiebolaget L. M. Ericsson Midsommarkransen, near Stockholm, Sweden. Thermopile for measuring air temperature. 2,417,923 ; Mar. 25.
- Fulton, Stewart C., Elizabeth, C. O. Tongberg, Westfield, and E. D. Reeves, Cranford, N. J., assignors to Standard Oil Development Company. Cracking hydrocarbon oils. 2,417,867 ; Mar. 25.
- Gaines, Orville C., Auburn, Wash. Weeding implement. 2,418,024 ; Mar. 25.
- Garvey, Benjamin S., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Composite product and making the same. 2,418,025 ; Mar. 25.
- Gary, Wright W., assignor to Filtrol Corporation, Los Angeles, Calif. Desiccant paper. 2,417,924 ; Mar. 25.
- Geiger, Aaron, Brooklyn, N. Y. Smoking pipe. 2,417,978 ; Mar. 25.
- General Electric Company, assignee : *See*—
  - Baker, John H., and Schwarzhaupt.
  - Bangert, Charles, Jr.
  - Finlayson, Frank E.
  - Jewell, Richard G.
  - Lord, Harold W.
  - Scott, Donald.
  - Smith, Cleveland S., Jr., and Seder.
- General Electric X-Ray Corporation, assignee : *See*—
  - Kizaur, Arthur J.
- General Excavator Company, The, assignee : *See*—
  - Barnhart, Edgar W.
- General Motors Corporation, assignee : *See*—
  - Clark, Harry F.
  - Haines, John F.
  - Rataiczak, Francis I.
- Gerster-Seiler, Jakob, Jegenstorf, Bern, Switzerland. Adjustable eraser. 2,417,925 ; Mar. 25.
- Ghiglieri, Lloyd, Oakland, Calif. Wrench for waterproof watch cases. 2,417,926 ; Mar. 25.
- Giannini, Gabriel M., North Hollywood, Calif., assignor, by mesne assignments, to Automatic Electric Laboratories, Inc. Sound direction finder. 2,417,927 ; Mar. 25.
- Gilliver, Gilbert, assignor to Standard Telephones and Cables Limited, London, England. Apparatus for joining wires and the like by fusion. 2,417,819 ; Mar. 25.
- Gilmore, Roy E., Portland, Oreg. Metal-lined portable wooden tank. 2,417,979 ; Mar. 25.
- Ginzton, Edward L., Garden City, N. Y., assignor to Sperry Gyroscope Company, Inc. Power-measuring bridge. 2,417,820 ; Mar. 25.
- Glabe, Elmer F. : *See*—
  - Bauer, Hans F., and Glabe.
- Glass, Paul, Chicago, Ill., assignor to Askania Regulator Company. Electric motor speed control circuits. 2,417,868 ; Mar. 25.
- Goldschmidt, Victor M., Craigiebuckler, Aberdeen, Scotland. Refractory fused forsterite. 2,418,026 ; Mar. 25.
- Goldthwait, Charles F., H. O. Smith, and L. B. Barnes, New Orleans, La., assignors to the Secretary of Agriculture of the United States of America. Application of cellulose ethers to textiles. 2,417,869 ; Mar. 25.
- Goodrich, B. F., Company, The, assignee : *See*—
  - **Flink, John H.**
  - Garvey, Benjamin S.
  - Harper, Thomas C.
  - Sloan, Arthur W.
- Gorton, George, Machine Co., assignee : *See*—
  - Klema, Walter E., and Sorenson.
- Goss, Worth C., Seattle, Wash. Demolition bomb. 2,417,980 ; Mar. 25.
- Graham, Warren C., assignor to First Bank and Trust Company, Perth Amboy, N. J., and Reconstruction Finance Corporation, New York, N. Y. Portable flame thrower. 2,417,981 ; Mar. 25.
- Gray, Frank : *See*—
  - Richards, Edward A., Ellison, and Gray.
- Green, Edward A., assignor to Security Machine Products Company, Chicago, Ill. Manufacturing nuts. 2,418,070 ; Mar. 25.
- Green, William N. : *See*—
  - Marder, Estella P., and Green.
- Guardite Corporation, The, assignee : *See*—
  - Schaffner, Robert M.
- Gubelmann, William S., Convent, N. J. Printing and feeding means for cash registers. 2,418,027 ; Mar. 25.
- Guernsey, Max M., Steilacoom, Wash. Electric plug. 2,417,928 ; Mar. 25.
- Haensel, Vladimir, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Condensation of hydrocarbons. 2,418,028 ; Mar. 25.
- Haines, John F., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Propeller control. 2,417,870 ; Mar. 25.
- Halpert, Percy : *See*—
  - Harcum, William M., and Halpert.
- Hanson, Dagfrid, Fairfield, Conn., assignor of two-thirds to J. N. Ledbetter, Jr., New York, N. Y. Rotary head oil burner. 2,417,929 ; Mar. 25.
- Harcum, William M., Mineola, and P. Halpert, Kew Gardens, N. Y., assignors to Sperry Gyroscope Company, Inc. Automatic pilot for dirigible craft. 2,417,821 ; Mar. 25.
- Harper, Thomas C., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Ice removing device for airplanes. 2,417,930 ; Mar. 25.
- Harris, Milton, Bethesda, Md., and W. I. Patterson, Chagrin Falls, Ohio, assignors to Textile Foundation, Washington, D. C. Treating animal fibers and products thereof. 2,418,071 ; Mar. 25.
- Hartbauer, August W. L., Chicago, Ill. Gasket and construction. 2,418,072 ; Mar. 25.
- Hawley Products Company, assignee : *See*—
  - Young, Serenus H. A.
- Hazeltine Research, Inc., assignee : *See*—
  - Wheeler, Harold A.
- Helsten, Wesley A. : *See*—
  - Tack, Carl E., and Helsten.
- Hersh, Joseph M. : *See*—
  - Lincoln, Bert H., and Hersh.
- Heuerman, Henry H., Winter Haven, Fla. Vehicle tow bar. 2,417,871 ; Mar. 25.
- Hill, Ralph M., and H. G. Codet, Mountainside, N. J., assignors to Standard Oil Development Company. Preparing a dimethyl butene from propylene. 2,417,872 ; Mar. 25.
- Hillier, James, Cranbury, N. J., assignor to Radio Corporation of America. Electron probe analysis employing X-ray spectrography. 2,418,029 ; Mar. 25.
- Hipple, James L., Canton, Ill., assignor to International Harvester Company. Tractor mounted planter. 2,417,931 ; Mar. 25.
- Hirsch, Harold, Buffalo, N. Y., assignor to Curtiss-Wright Corporation. Helicopter rotor pitch control mechanism. 2,418,030 ; Mar. 25.
- Histed, George B., Rochester, N. Y. Greeting card. 2,417,982 ; Mar. 25.
- Hoag, Wilton F : *See*—
  - Sloan, Edward C., and Hoag.
- Hoar, Roger S., assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Wheeled scraper. 2,417,822 ; Mar. 25.
- Hodson, George F., Altus, Okla., and L. L. Campbell, Riverdale, Ill., assignors to Wilson & Company, Inc. Egg feeding device. 2,417,823 ; Mar. 25.
- Holman, Arthur T., Chyverton, near Truro, England, and T. Thomson, Kilmarnock, Scotland. Ordnance. 2,417,983 ; Mar. 25.
- Hoosier Cardinal Corporation, assignee : *See*—
  - Bauer, Charles A.
- Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Window control for motor vehicles. 2,418,031 ; Mar. 25.
- Houghton, Leslie W. : *See*—
  - Scully, Charles T., and Houghton.
- Huber, Matthew W., Watertown, N. Y., assignor to The New York Air Brake Company. Accumulator. 2,417,873 ; Mar. 25.
- Hydraulic Development Corporation, Inc., The, assignee : *See*—
  - Becker, Walter.
- Independent Lock Company, assignee : *See*—
  - Nehls, Charles H.
- Industrial Patent Corporation, assignee : *See*—
  - Wales, Nathaniel B.
- International Harvester Company, assignee : *See*—
  - Blaydes, Frederick T.
  - Dreisin, Alexander.
  - Hipple, James L.
  - Selzer, John, and Johnson.
- International Standard Electric Corporation, assignee : *See*—
  - Barnard, Roy M., and Cooper.
  - Richards, Edward A., Ellison, and Gray.
  - Scully, Charles T., and Houghton.

Jacobson, James H., Chicago, Ill. Load transfer unit. 2,417,824; Mar. 25.

Jacobstein, Julius: *See—*
Donald, Archibald, and Jacobstein.

Janke, Edward F., Sr., Washington, D. C. Bridge structure. 2,417,825; Mar. 25.

Jewell, Richard G., Swampscott, Mass., assignor to General Electric Company. Erecting device for gyroscopes. 2,418,032; Mar. 25.

Johnson, Samuel G.: *See—*
Selzer, John, and Johnson.

Jones, William A., assignor to Continental Oil Company, Ponca City, Okla. Lubricating composition. 2,417,826; Mar. 25.

Jones, William A., assignor to Continental Oil Company, Ponca City, Okla. Lubricating composition. 2,417,827; Mar. 25.

Joy, Joseph F., Washington, D. C. Fluid seal. 2,417,828; Mar. 25.

Kalmar, Arthur F., Riverside, assignor to Food Machinery Corporation, San Jose, Calif. Potato treating process. 2,417,932; Mar. 25.

Kalmar, Arthur F., Riverside, assignor to Food Machinery Corporation, San Jose, Calif. Treating potatoes. 2,417,933; Mar. 25.

Kamlet, Jonas, New York, N. Y., assignor to Miles Laboratories, Inc., Elkhart, Ind. Diagnostic compositions. 2,418,033; Mar. 25.

Kartridg-Pak Machine Co., assignee: *See—*
Sloan, Edward C., and Hoag.

Kawecki, Henry C., Temple, Pa. Ore treatment process. 2,418,073; Mar. 25.

Kawecki, Henry C., Temple, Pa. Ore treatment process. 2,418,074; Mar. 25.

Kearney, James R., Corporation, assignee: *See—*
Ellicock, Albert B.

Kehl, Howard A., Detroit, Mich. Toothbrush and dentifrice container. 2,417,874; Mar. 25.

Keller, Arthur C., Bronxville, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Compressional wave signaling device. 2,417,829; Mar. 25.

Keller, Arthur C., Bronxville, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Compressional wave signaling device. 2,417,830; Mar. 25.

Kellogg, M. W., Company, The, assignee: *See—*
Degnen, William J.

Kelly, Dunford A.: *See—*
Downs, George W., and Kelly.

Kennedy, Donald S., assignee: *See—*
Newman, John E.

Kennelly, Jeremiah D., Oak Park, Ill. Oscillating light signal device. 2,417,934; Mar. 25.

Kingsley, Joseph F., Burbank, assignor to N. V. Andrews, Los Angeles, Calif. Retractile marking implement. 2,417,984; Mar. 25.

Kinkead, Fullerton S., deceased, New York, by R. S. Kinkead, administratrix, Trudeau, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Counting relay system. 2,417,831; Mar. 25.

Kinkead, Rita S., administratrix: *See—*
Kinkead, Fullerton S.

Kiser, Fred H., Los Angeles, Calif. Memorandum pad holder. 2,417,935; Mar. 25.

Kizaur, Arthur J., Cicero, assignor to General Electric X-Ray Corporation, Chicago, Ill. Respiration apparatus. 2,418,034; Mar. 25.

Klema, Walter E., and H. Sorenson, assignors to George Gorton Machine Co., Racine, Wis. Automatic screw machine, automatic lathe, and allied automatic machine tool. 2,417,936; Mar. 25.

Knox, Samuel S., Long Beach, Calif. Power rotation of aircraft wheels. 2,417,937; Mar. 25.

Kollen, Myron H., Ferndale, Mich., and M. T. Flaxman, Whittier, assignors to Union Oil Company of California, Los Angeles, Calif. Rust-preventive composition. 2,418,075; Mar. 25.

Koonz, John C., L. E. Quinnell, and R. H. Severance, assignors to The Magnavox Company, Fort Wayne, Ind. Solenoid. 2,417,832; Mar. 25.

Kridler, Phillip W., Detroit, Mich. Roofing clip. 2,418,076; Mar. 25.

Krueger, Frank W., Atherton, assignor to Food Machinery Corporation, San Jose, Calif. Cap feeder. 2,417,938; Mar. 25.

Kuh, Erwin, New Brunswick, L. H. Dhein, Bound Brook, and R. H. Ebel, Martinsville, N. J., assignors to American Cyanamid Company, New York, N. Y. Purification of sulfonamide derivatives. 2,417,939; Mar. 25.

Kyrides, Lucas P., Webster Groves, and F. B. Zienty, assignors to Monsanto Chemical Company, St. Louis, Mo. 1,2-disubstituted-4,5-dihydroimidazoles. 2,418,077; Mar. 25.

Lachapelle, Henri, Montreal, Quebec, Canada. Envelope moistener. 2,418,035 Mar. 25.

Ladd, Elbert C., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. N,N^1-dibenzylidene-ethylene-diamine as arachnicides. 2,417,985; Mar. 25.

Lambert Brake Corporation, The, assignee: *See—*
Parrett, Dent.

Lane, Edwin R., Bexley, Ohio. Dispensing casing with valve operating means for a cartridge with a dispensing valve. 2,418,036; Mar. 25.

Larson, Arthur G., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Stabilizing device. 2,418,037; Mar. 25.

Lauzon, Delor W., Lynn, Mass. Heel. 2,418,078; Mar. 25.

Lawrence, Kirk S.: *See—*
Mulholland, David E., Fast, and Lawrence.
Mulholland, David E., and Lawrence.

Leake, Joseph E., Fall River, Mass. Bobbin holder. 2,418,079; Mar. 25.

Ledbetter, John N., Jr., assignee: *See—*
Hanson, Dagfrid.

Ledin, Charles, Stamford, Conn., and J. P. Andrew, New Rochelle, N. Y. Removable cylinder. 2,418,080; Mar. 25.

Lehman, Stanley, Madison, Wis. Pressure drop alarm. 2,417,940; Mar. 25.

Leonard, Ancel B., Phillips, Tex., assignor to Phillips Petroleum Company. Removal of hydrogen fluoride from water. 2,417,875; Mar. 25.

Lersch, Emil W., Pensacola, Fla. Wheel runner. 2,418,038; Mar. 25.

Lewis, Arthur W., Plainfield, N. J., and J. E. Schott, New York, N. Y., assignors to Tide Water Associated Oil Company, Bayonne, N. J. Inhibited oil. 2,417,876; Mar. 25.

Lewis, Elton R., Roselle Park, N. J., assignor to Standard Oil Development Company. Automatic oxygen indicator. 2,417,877; Mar. 25.

Lincoln, Bert H., and J. M. Hersh, assignors to Continental Oil Company, Ponca City, Okla. Lubricant. 2,417,833; Mar. 25.

Lindahl, Gunnar: *See—*
Widèn, Erik, and Lindahl.

Lindsay Wire Weaving Company, The, assignee: *See—*
Crossman, Fred, and Southam.
Crossman, Fred, Southam, and Ruhl.

Lockheed Aircraft Corporation, assignee: *See—*
Frazer, John E.

Loos, Robert J., Sterling, assignor to Reynolds Wire Co., Dixon, Ill. Shuttle bobbin take-up mechanism. 2,417,941; Mar. 25.

Lord, Harold W., Schenectady, N. Y., assignor to General Electric Company. Self-pulsing oscillator. 2,417,834; Mar. 25.

Luce, Stewart B.: *See—*
Webber, Charles S., Luce, and Murdock.

Luzietti, Armand: *See—*
Luzietti, Celestino and A., and Marini.

Luzietti, Celestino and A., and F. A. Marini, Chicago, Ill.: said A. Luzietti and Marini assignors to said C. Luzietti. Conveyor with air nozzle sorting apparatus. 2,417,878; Mar. 25.

Magnavox Company, assignee: *See—*
Koonz, John C., Quinnell, and Severance.

Mallory, P. R., & Co., Inc., assignee: *See—*
Booe, James M.

Mann, Cecil A., Dayton, assignor to H. C. Smith, Cincinnati, Ohio. Spherical fluid operated rotary motor of the axially moving sliding vane type. 2,418,081; Mar. 25.

Marasko, Edward J., assignor to The Weatherhead Company, Cleveland, Ohio. Chucking fixture. 2,418,082; Mar. 25.

Marder, Estella P., Nottingham, and W. N. Green, West Bridgford, Nottingham, assignors to Byard Manufacturing Company, Limited, Nottingham, England. Cap for wear. 2,417,986; Mar. 25.

Marini, Frank A.: *See—*
Luzietti, Celestino and A., and Marini.

Master Electric Company, The, assignee: *See—*
Carlson, John T.

Mayer, Julius, Forest Hills, N. Y. Adjustable trouser display form. 2,418,083; Mar. 25.

Mays, Wilburt W., Philadelphia, Pa. Bottle closure retainer. 2,418,039; Mar. 25.

McFarland, Donald L., Milford, assignor to United Aircraft Corporation, East Hartford, Conn. Foldable step. 2,417,987; Mar. 25.

McGreal, Martin E.: *See—*
Niederl, Joseph B. and V., and McGreal.

Merritt, Charles E., Columbia, Mo. Clip board. 2,417,879; Mar. 25.

Meyer, Edward, Sioux Falls, and T. J. Poppe, Parker, S. Dak.: said Poppe assignor to said Meyer. Earth moving scraper. 2,418,041; Mar. 25.

Milburn, Guy, and W. H. Schnacke, Evansville, Ind. High-frequency generator. 2,417,880; Mar. 25.

Miles, John R., West Englewood, assignor to Bendix Aviation Corporation, Teterboro, N. J. Triplet objective lens. 2,417,942; Mar. 25.

Miles Laboratories, Inc., assignee: *See—*
Kamlet, Jonas.

Miller, George W., Sapulpa, Okla. Jack connector for power transmission lines. 2,418,040; Mar. 25.

Miller, William, Corporation, assignee: *See—*
Downs, George W., and Kelly.

Monsanto Chemical Company, assignee: *See—*
Kyrides, Lucas P., and Zienty.
Webber, Charles S., Luce, and Murdock.

Montgomery, Bruce E., Berwyn, assignor to United Air lines, Inc., Chicago, Ill. Antenna. 2,418,084; Mar. 25.

Mooney, Melvin, Lake Hiawatha, N. J., assignor to United States Rubber Company, New York, N. Y. Apparatus for measuring surface roughness. 2,417,988; Mar. 25.

Moore, Harry H., Washington, D. C. Combustion device. 2,417,835; Mar. 25.

Moore, Ralph G. D., Dedham, and J. K. Sanford, Wellesley, Mass., assignors to United States Rubber Company, New York, N. Y. Manufacture of sulfenamides. 2,417,989; Mar. 25.

Mosshart, Donald J., Ardmore, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Spreader stoker apparatus. 2,418,042; Mar. 25.

Mulholland, David E., Fort Myers, Fla., and K. S. Lawrence, West Reading; said D. E. Mulholland assignor to W. S. Mulholland, Reading, Pa. Surfacing machine. 2,418,085; Mar. 25.

Mulholland, David E., Reading, Pa., G. Fast, Salisbury, Md., and K. S. Lawrence, West Reading, Pa. Lens surfacing machine. 2,418,086; Mar. 25.

Mulholland, Walter S., assignee, et al.: *See—*
Mulholland, David E., and Lawrence.

Muller, John H., New Rochelle, N. Y. Paint remover. 2,417,943; Mar. 25.

Munger, Charles G., San Gabriel, Calif., assignor to American Pipe and Construction Co. Making plastic-metal pipe. 2,417,881; Mar. 25.

Murdock, Frederick M.: *See—*
Webber, Charles S., Luce, and Murdock.

Myers, Lewis C., Freeport, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine frame. 2,418,043; Mar. 25.

Nachtman, John S., Youngstown, Ohio. Heat-treating electroplated material. 2,418,087; Mar. 25.

Nachtman, John S., Youngstown, Ohio. Heat-treatment of electroplated strip metal. 2,418,088; Mar. 25.

Nardone, Romeo M., assignor to Bendix Aviation Corporation, Teterboro, N. J. Solenoid. 2,417,990; Mar. 25.

National Cash Register Company, The, assignee: *See—*
Adams, Clyde S.

Neary, Leonard J., Los Angeles, Calif. Composition for removing unwanted hair. 2,417,882; Mar. 25.

Nehls, Charles H., Detroit, Mich., assignor to Independent Lock Company, Fitchburg, Mass. Night latch. 2,418,044; Mar. 25.

Neider, Joseph H., Struthers, Ohio. Apparatus for cleaning open hearth checker work and the like. 2,418,045; Mar. 25.

Nelson, Homer B.: *See—*
Walters, Frank J., and Nelson.

Nesson, Israel, assignor to M. Zaiger, Swampscott, Mass. Windshield wiper arm. 2,417,991; Mar. 25.

Newman, John E., Cirencester, assignor of two-thirds to D. S. Kennedy, Andover, England. Grass drying apparatus. 2,418,089; Mar. 25.

New York Air Brake Company, The, assignee: *See—*
Huber, Matthew W.

Niederl, Joseph B. and V., and M. E. McGreal, Brooklyn, N. Y. N,N-dialkyl morpholinium alkyl-sulfates. 2,417,992; Mar. 25.

Niederl, Victor; *See—*
Niederl, Joseph B. and V., and McGreal.

Nunes, Harry C., Honolulu, Hawaii. Trailer steering mechanism. 2,418,090; Mar. 25.

Obeeny, John T., Los Angeles, Calif. Collet. 2,417,836; Mar. 25.

Oberfield, Louis, Brooklyn, N. Y. Key indicator. 2,418,046; Mar. 25.

Ohio-Kentucky Manufacturing Company, assignee: *See—*
Stobbe, Benjamin B.

Osborne, William B., Muncie, Ind. Speed varying gearing. 2,417,944; Mar. 25.

Oschin, Samuel, Detroit, Mich. Welding shield. 2,417,883; Mar. 25.

Overstreet, John T., South Antonio, Tex. Piston ring. 2,417,884; Mar. 25.

Packard Motor Car Company, assignee: *See—*
Vincent, Jesse G.

Paggi, Louis, Belleville, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Laminating plastic sheets. 2,417,837; Mar. 25.

Pandoff, William S., Canton, Ohio. Bloom turning apparatus. 2,418,091; Mar. 25.

Paris, August F., Brockway, Pa. Garment finishing apparatus. 2,417,838; Mar. 25.

Parker, Will D., Bartlesville, Okla., assignor to Phillips Petroleum Company. Hydraulically controlled cowling ring for aircraft. 2,417,945; Mar. 25.

Parkes, Deric W., and I. A. M. Ford, West Bromwich, assignors to Robinson Brothers Limited, Oldbury, Birmingham, England. Removal of carbon disulphide from a hydrocarbon liquid. 2,418,047; Mar. 25.

Parrett, Dent, assignor, by mesne assignments, to The Lambert Brake Corporation, St. Joseph, Mich. Brake control. 2,418,048; Mar. 25.

Passel, Morris J., Yonkers, N. Y. Furniture arm protector. 2,418,092; Mar. 25.

Patterson, Wilbur I.: *See—*
Harris, Milton, and Patterson.

Perkins, Ralph P., and R. H. Rigterink, assignors to The Dow Chemical Company, Midland, Mich. Reaction between hydrogen chloride and isobutylene. 2,418,093; Mar. 25.

Phillips Petroleum Company, assignee: *See—*
Frey, Frederick E.
Leonard, Ancel B.
Parker, Will D.
St. Clair, Theodore A., and Eddy.

Pinkney, Paul S.: *See—*
Ernsberger, Maurice L., and Pinkney.

Poppe, Ted J.: *See—*
Meyer, Edward, and Poppe.

Porter, Robert D., Klamath Falls, Oreg. Impact switch. 2,417,993; Mar. 25.

Powell, George M., 3d, South Charleston, W. Va., and E. F. Carlson, Arlington, Va., assignors to Carbide and Carbon Chemicals Corporation. Coating copper with vinyl resins. 2,417,885; Mar. 25.

Prentice, William G., Indianapolis, Ind. Tool handle. 2,417,946; Mar. 25.

Quinnell, L. E.: *See—*
Koonz, John C., Quinnell, and Severance.

Radio Corporation of America, assignee: *See—*
Carter, Philip S.
Hillier, James.

Rataiczak, Francis I., assignor to General Motors Corporation, Dayton, Ohio. Breech bolt latching mechanism. 2,418,094; Mar. 25.

Reconstruction Finance Corporation, assignee, et al.: *See—*
Graham, Warren C.

Redcay, Aaron K., Baton Rouge, La., assignor to Standard Oil Development Company. Distillation of crude xylidine. 2,417,886; Mar. 25.

Reedy, Charles H., assignor to M. B. Reedy, Cincinnati, Ohio. Hydraulically operated elevator. 2,417,947; Mar. 25.

Reedy, Mary B., assignee: *See—*
Reedy, Charles H.

Reeves, Edward D.: *See—*
Fulton, Stewart C., Tongberg, and Reeves.

Reimuller, Paul E., Chicago, Ill. Power transmission mechanism. 2,417,948; Mar. 25.

Republic Steel Corporation, assignee: *See—*
Schwartz, Elmer A.

Research Corporation, assignee: *See—*
Fieser, Louis F.

Reynolds Wire Co., assignee: *See—*
Loos, Robert J.

Riblet, Robert M., assignor to The Timken Roller Bearing Company, Canton, Ohio. Double row roller bearing and cup spacer therefor. 2,418,095; Mar. 25.

Rice & Adams Corporation, assignee: *See—*
Alling, E. Roy, and Trebler.

Richards, Edward A., L. J. Ellison, and F. Gray, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Manufacture of rectified discs. 2,417,839; Mar. 25.

Rigterink, Raymond H.: *See—*
Perkins, Ralph P., and Rigterink.

Riveroll, Elfego, Hermosa Beach, Calif. Recovery of iron from ore. 2,417,949; Mar. 25.

Robinson Brothers Limited, assignee: *See—*
Parkes, Deric W., and Ford.

Robinson, Harry C., Chattanooga, Tenn. Bar buckle. 2,418,096; Mar. 25.

Rodgers, Lester W., and S. H. Simpson, Evanston, Ill. Packing ring. 2,417,840; Mar. 25.

Rothwell, Ernest, Rochdale, assignor to Chas. F. Thackray, Limited, Leeds, England. Continuous sterile water supply system. 2,417,950; Mar. 25.

Royal Typewriter Company, Inc., assignee: *See—*
Myers, Lewis C.

Ruff, Alonzo W., assignor to York-Shipley, Inc., York, Pa. Engine warming apparatus. 2,418,097; Mar. 25.

Ruff, Alonzo W., assignor to York-Shipley, Inc., York, Pa. Fuel control mechanism for fog generating machines. 2,418,098; Mar. 25.

Ruhl, George J.: *See—*
Crossman, Fred, Southam, and Ruhl.

Ruskin, Frances R., assignee: *See—*
Ruskin, Simon L.

Ruskin, Simon L., New York, N. Y., assignor to F. R. Ruskin. Nucleotide compounds of components of vitamin B complex. 2,417,841; Mar. 25.

St. Clair, Theodore A., and W. R. Eddy, Bartlesville, Okla., assignors to Phillips Petroleum Company. Lockable pipe connection. 2,417,955; Mar. 25.

St. Paul Foundry Company, assignee: *See—*
Sheets, Herman E.

Sanford, Hugh W., and W. P. Biddle, Jr., Knoxville, Tenn.; said Biddle assignor to said Sanford. Cooking stove. 2,417,842; Mar. 25.

Sanford, Janet K.: *See—*
Moore, Ralph G. D., and Sanford.

Schaffner, Robert M., Chicago, Ill., assignor to The Guardite Corporation. Drying of moist food products. 2,417,843; Mar. 25.

Schild, Arthur A., Farmington, Mo. Trimmer. 2,418,049; Mar. 25.

Schmidt, Howard F., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Piston and cylinder construction. 2,417,887; Mar. 25.

Schmitter, Walter P., and E. J. Wellauer, Wauwatosa, assignors to The Falk Corporation, Milwaukee, Wis. Clutch facing. 2,418,099; Mar. 25.

Schnacke, Walter H.: *See—*
Milburn, Guy, and Schnacke.

Schroeder, Wesley D.: *See—*
Coleman, Gerald H., and Schroeder.

- Schuster, Clarence A., Dayton, Ohio. Garment. 2,417,888; Mar. 25.
- Schwartz, Elmer A., Shaker Heights, assignor to Republic Steel Corporation, Cleveland, Ohio. Operating open hearth furnaces. 2,417,951; Mar. 25.
- Schwarzhaupt, Paul J.: *See*—
  - Baker, John H., and Schwarzhaupt.
- Scott, Donald W., Schenectady, N. Y., assignor to General Electric Company. Polycyclic methylpolysiloxanes. 2,418,051; Mar. 25.
- Scott, John E.: *See*—
  - Lewis, Arthur W., and Schott.
- Scully, Charles T., and L. W. Houghton, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Radio receiver. 2,417,844; Mar. 25.
- Security Machine Products Company, assignee: *See*—
  - Green, Edward A.
- Seder, Leonard A.: *See*—
  - Smith, Cleveland S., Jr., and Seder.
- Selzer, John, and S. G. Johnson, Fort Wayne, Ind., assignors to International Harvester Company. Tire carrier. 2,417,952; Mar. 25.
- Severance, Ralph H.: *See*—
  - Koonz, John C., Quinnell, and Severance.
- Shank, Betty M., Minneapolis, Minn. Child's garment. 2,418,050; Mar. 25.
- Sheets, Herman E., assignor to St. Paul Foundry Company, St. Paul, Minn. Valve. 2,417,994; Mar. 25.
- Side, Frederick W., assignor to The Brown Instrument Company, Philadelphia, Pa. Measuring and controlling apparatus. 2,418,052; Mar. 25.
- Simmon, Alfred, Jackson Heights, assignor to Simmon Brothers, Inc., Long Island City, N. Y. Camera view and range finder. 2,418,107; Mar. 25.
- Simmon, Alfred, Jackson Heights, assignor to Simmon Brothers, Inc., Long Island City, N. Y. Camera view and range finder. 2,418,108; Mar. 25.
- Simmon Brothers, Inc., assignee: *See*—
  - Simmon, Alfred.
- Simpson, Stanley H.: *See*—
  - Rodgers, Lester W., and Simpson.
- Sinclair Refining Company, assignee: *See*—
  - Teter, John W.
- Sipe, Martin E., Denver, Colo. Piston skirt expander. 2,418,053; Mar. 25.
- Sloan, Arthur W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preparation of N-thioamines. 2,417,954; Mar. 25.
- Sloan, Edward C., Geneva, and W. F. Hoag, Batavia, assignors, by mesne assignments, to Kartridg-Pak Machine Co., Chicago, Ill. Banding machine. 2,418,054; Mar. 25.
- Smith, Cleveland S., Jr., Bartlett, Tenn., and L. A. Seder, Lynn, Mass., assignors to General Electric Company. Apparatus for treating selenium rectifiers. 2,418,055; Mar. 25.
- Smith, H. Christa, assignee: *See*—
  - Mann, Cecil A.
- Smith, Herbert O.: *See*—
  - Goldthwait, Charles F., Smith, and Barnes.
- Smith, James A., Jr.: *See*—
  - Bowen, Hugh S., and Smith.
- Soderberg, Carl R., Weston, Mass., assignor to United Aircraft Corporation, East Hartford, Conn. Turbine construction. 2,417,845; Mar. 25.
- Sorenson, Harry: *See*—
  - Klema, Walter E., and Sorenson.
- Southam, Earl A.: *See*—
  - Crossman, Fred, and Southam.
  - Crossman, Fred, Southam, and Ruhl.
- Sperry Gyroscope Company, Inc., assignee: *See*—
  - Ginzton, Edward L.
  - Harcum, William M., and Halpert.
- Stamm, Alfred J., and H. Tarkow, Madison, Wis., assignors to United States of America, as represented by the Secretary of Agriculture. Acetylation of lignocellulosic board materials. 2,417,995; Mar. 25.
- Stammelman, Mortimer J., New York, N. Y. Preserving foodstuffs. 2,417,889; Mar. 25.
- Standard Oil Development Company, assignee: *See*—
  - Fulton, Stewart C., Tongberg, and Reeves.
  - Hill, Ralph M., and Codet.
  - Lewis, Elton R.
  - Redcay, Aaron K.
- Standard Telephones and Cables Limited, assignee: *See*—
  - Earp, Charles W.
  - Gilliver, Gilbert.
- Staufenbiel, Jacob L., Affton, Mo. Poultry decapitator. 2,417,890; Mar. 25.
- Stein, Hall & Co., Inc., assignee: *See*—
  - Bauer, Hans F., and Glabe.
  - Caesar, George V., and Thompson.
- Stevens, Paul S., assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Dumping device for wheel excavators. 2,417,846; Mar. 25.
- Stewart, James S., assignor to Curved Plywood Products Co., Portland, Oreg. Machine for making plywood in curved shapes. 2,418,100; Mar. 25.
- Stoble, Benjamin B., assignor to Ohio-Kentucky Manufacturing Company, Ada, Ohio. Baseball glove. 2,417,996; Mar. 25.
- Stout, Walter W., Turney, Mo. Animal trap. 2,417,891; Mar. 25.
- Strickland, Harold A., Jr., Detroit, Mich., assignor, by mesne assignments, to The Budd Company, Philadelphia, Pa. Induction heating coil, energizing means therefor, and work-release means. 2,418,056; Mar. 25.
- Strom, Ernest, St. Paul, Minn. Hydraulic jack. 2,417,956; Mar. 25.
- Stuer, Joseph, Lawrence, Mass. Stationary magazine loom. 2,418,101; Mar. 25.
- Stupakoff Ceramic Manufacturing Co., assignee: *See*—
  - Stupakoff, Semon H.
- Stupakoff, Semon H., assignor to Stupakoff Ceramic Manufacturing Co., Latrobe, Pa. High temperature electrically-heated furnace. 2,417,953; Mar. 25.
- Sun Oil Company, assignee: *See*—
  - Bagsar, Aaron B.
- Svenska Aktiebolaget Bromsregulator, assignee: *See*—
  - Browall, Bert H.
- Tack, Carl E., and W. A. Helsten, assignors to American Steel Foundries, Chicago, Ill. Clasp brake. 2,418,057; Mar. 25.
- Tarkow, Harold: *See*—
  - Stamm, Alfred J., and Tarkow.
- Taylor, Robert S., Seattle, Wash. Planetary transmission. 2,417,957; Mar. 25.
- Teale, Harold A., Brooklyn, assignor to Filter Media Corporation, Irvington-on-Hudson, N. Y. Apparatus for reducing the fluid content of a fluid-solid intermixture. 2,417,958; Mar. 25.
- Telefon Aktiebolaget L. M. Ericsson Midsommarkransen, assignee: *See*—
  - Frisk, Nils P. W.
- Teter, John W., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Production of amines and nitriles. 2,417,892; Mar. 25.
- Teter, John W., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Production of nitriles and amines. 2,417,893; Mar. 25.
- Textile Foundation, assignee: *See*—
  - Harris, Milton, and Patterson.
- Thackray, Chas. F., Limited, assignee: *See*—
  - Rothwell, Ernest.
- Thompson, Alfred E., assignor to Creed and Company Limited, Croydon, England. Telegraph system. 2,417,847; Mar. 25.
- Thompson, Thomas D.: *See*—
  - Caesar, George V., and Thompson.
- Thomson, Thomas: *See*—
  - Holman, Arthur T., and Thomson.
- Tide Water Associated Oil Company, assignee: *See*—
  - Lewis, Arthur W.
- Timken Roller Bearing Company, The, assignee: *See*—
  - Riblet, Robert M.
- Tongberg, Carl O.: *See*—
  - Fulton, Stewart C., Tongberg, and Reeves.
- Touloumis, Simon, assignor to Cluett Peabody & Co., Inc., Troy, N. Y. Convertible shirt collar. 2,418,058; Mar. 25.
- Trebler, Henning A.: *See*—
  - Alling, E. Roy, and Trebler.
- Trico Products Corporation, assignee: *See*—
  - Horton, Erwin C.
- Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Electric weft detector for looms. 2,417,997; Mar. 25.
- Union Oil Company of California, assignee: *See*—
  - Kollen, Myron H., and Flaxman.
- United Aircraft Corporation, assignee: *See*—
  - McFarland, Donald I.
  - Soderberg, Carl R.
- United Airlines, Inc., assignee: *See*—
  - Montgomery, Bruce E.
- United States Rubber Company, assignee: *See*—
  - Ebers, Earle S.
  - Ladd, Elbert C.
  - Mooney, Melvin.
  - Moore, Ralph G. D., and Sanford.
- United States Vanadium Corporation, assignee: *See*—
  - Dale, Clark H.
- Universal Oil Products Company, assignee: *See*—
  - Angell, Charles H.
  - Haensel, Vladimir.
- Utility Trailer Manufacturing Company, assignee: *See*—
  - Bennett, Walter.
- Varcoe, Charles W., Danbury, Conn. Angle plate clamping bracket. 2,418,059; Mar. 25.
- Victor Chemical Works, assignee: *See*—
  - Adler, Howard.
- Vincent, Jesse G., Grosse Pointe Park, assignor to Packard Motor Car Company, Detroit, Mich. Internal-combustion engine. 2,418,102; Mar. 25.
- Waite, Amory H., Jr., Long Branch, N. J. Antenna. 2,417,848; Mar. 25.
- Wales, Nathaniel B., assignor, by mesne assignments, to Industrial Patent Corporation, New York, N. Y. Automatic hydraulic clothes washing machine. 2,417,998; Mar. 25.

- Walker, Joseph F., Lewiston, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of N,N′-methylene bis hydantoins. 2,417,999; Mar. 25.
- Walker, Joseph F., Lewiston, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing methylene derivatives of hydantoin. 2,418,000; Mar. 25.
- Walters, Frank J., and H. B. Nelson, U. S. Navy. Roller finder for pontoons. 2,417,849; Mar. 25.
- Warmisham, Arthur, and C. G. Wynne, Leicester, England. Optical objective. 2,418,001; Mar. 25.
- Watter, Michael, assignor to The Budd Company, Philadelphia, Pa. Aircraft control mechanism. 2,418,060; Mar. 25.
- Wayland, Glenn J., Ottumwa, Iowa. Rotary Diesel engine. 2,417,894; Mar. 25.
- Weatherhead Company, The, assignee: *See*—
  - Marasko, Edward J.
- Webber, Charles S., and S. B. Luce, Loudonville, N. Y., and F. M. Murdock, Springfield, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo. Manufacture of cast phenolic resin. 2,417,959; Mar. 25.
- Webster-Chicago Corporation, assignee: *See*—
  - Dale, Colin B.
- Weightman, William A., assignor to The Budd Company, Philadelphia, Pa. Bent corrugated web and making same. 2,417,960; Mar. 25.
- Weinberger, George S., San Francisco, Calif. Centrifugal air separator and screening device for comminuted material. 2,418,061; Mar. 25.
- Wellauer, Edward J.: *See*—
  - Schmitter, Walter P., and Wellauer.
- Wells, Clint G., Galveston, Tex. Adjustable stirrup suspension for saddles. 2,418,103; Mar. 25.
- Westinghouse Air Brake Company, The, assignee: *See*—
  - Cook, Earle S.
  - Larson, Arthur G.
- Westinghouse Electric Corporation, assignee: *See*—
  - Mosshart, Donald J.
- Wheeler, Harold A., Great Neck, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Balanced to unbalanced circuit connector. 2,417,895; Mar. 25.
- White, Jack, assignee: *See*—
  - DeMar, Michael.
- Widèn, Erik, Angby, and G. Lindahl, assignors to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Signaling arrangement in a cable system. 2,418,104; Mar. 25.
- Wiley, Max R., Wichita, Kans. Clothing guard for office furniture. 2,417,961; Mar. 25.
- Williams, Alfred O., Battle Creek, assignor to Clark Equipment Company, Buchanan, Mich. Wheel. 2,418,002; Mar. 25.
- Wilson & Company, Inc., assignee: *See*—
  - Hodson, George F., and Campbell.
- Winslow, Willis M., Wheatridge, Colo. Translating electrical impulses into mechanical force. 2,417,850; Mar. 25.
- Wohler, Stanley A., Lansdale, assignor to The Budd Company, Philadelphia, Pa. Fairlead. 2,418,105; Mar. 25.
- Wynne, Charles G.: *See*—
  - Warmisham, Arthur, and Wynne.
- York-Shipley, Inc., assignee: *See*—
  - Ruff, Alonzo W.
- Young, Serenus H. A., Geneva, Ill., assignor, by mesne assignments, to Hawley Products Company. Selective impregnation of accreted fibrous plastic articles. 2,417,851; Mar. 25.
- Zaiger, Max, assignee: *See*—
  - Nesson, Israel.
- Zerkle, Lawrence C., Cleveland, Ohio. Foot corrector. 2,417,852; Mar. 25.
- Zienty, Ferdinand B.: *See*—
  - Kyrides, Lucas P., and Zienty.
- Zimmerman, Charles H., Nichols, Conn. Helicopter flying apparatus. 2,417,896; Mar. 25.
- Zimmermann, Hans J., Canton, Ohio. Pants hanger. 2,418,106; Mar. 25.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 25TH DAY OF MARCH, 1947

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Digging attachment for tractors or the like. T. K. Andersen. Re. 22,855 ; Mar. 25.
Electric switch. D. W. Johnson. Re. 22,856 ; Mar. 25.
Ice Cream and the product thereof, Manufacturing. W. D. Roth, L. C. Brown, and G. W. Phelps. Re. 22,858 ; Mar. 25.
Suturing instrument. H. H. Ogburn. Re. 22,857 ; Mar. 25.

LIST OF PLANT INVENTIONS

Pear tree. C. A. Greiner. 728 ; Mar. 25.
Rose plant. M. Denoyel. 725 ; Mar. 25.
Rose plant. G. de Ruiter. 726 ; Mar. 25.
Rose plant. J. Gaujard. 727 ; Mar. 25.
Rose plant. C. Mallerin. 729–730 ; Mar. 25.
Rose plant. F. Meilland. 731 ; Mar. 25.
Rose plant. G. A. van Rossem. 732 ; Mar. 25.

LIST OF DESIGN INVENTIONS

Border or similar article, Wallpaper. A. Westrate. 146,532–33 ; Mar. 25.
Bottle. E. Scheemaeker. 146,525 ; Mar. 25.
Bracelet. G. J. Lederer. 146,511–13 ; Mar. 25.
Brooch or similar article. A. Katz. 146,503 ; Mar. 25.
Cap, Container. P. A. Derham. 146,497 ; Mar. 25.
Cigar Package. A. Suraci. 146,529 ; Mar. 25.
Container or the like, Perfume. T. Shimotori. 146,528 ; Mar. 25.
Dial or similar article, Global time. A. E. Freel. 146,500 ; Mar. 25.
Earring or similar article. M. Chernow. 146,495–6 ; Mar. 25.
Font or type or similar article. G. E. Dietze. 146,498 ; Mar. 25.
Handle for cooking vessels and the like. A. F. Ransthal. 146,518 ; Mar. 25.
Handle for sweepers, vacuum cleaners, and similar articles, Molded. J. F. Finn. 146,499 ; Mar. 25.
Holder for tableware or other articles. E. L. Shaw. 146,526 ; Mar. 25.
Iron, Electric. H. A. Nieboer. 146,517 ; Mar. 25.
Jogger for paper sheets or the like, Vibrating. F. A. Hacker. 146,501 ; Mar. 25.
Nightgown. M. O. Kenny. 146,506 ; Mar. 25.
Pan or similar article, Sauce. A. F. Ransthal. 146,520 ; Mar. 25.
Pencil, Draftsman's. E. Shetlin. 146,527 ; Mar. 25.
Plate or similar article. H. A. Malinowski. 146,514 ; Mar. 25.
Platter or similar article. A. F. Ransthal. 146,519 ; Mar. 25.
Ring or similar article, Finger. C. Robbins. 416,524 ; Mar. 25.
Shoe. C. Reggie. 146,521 ; Mar. 25.
Show case or the like, Merchandise. P. M. Ressinger. 146,522 ; Mar. 25.
Sole, Shoe. W. E. Kavenagh. 146,504–5 ; Mar. 25.
Spoon or analogous article. C. B. Blake. 146,494 ; Mar. 25.
Stand or similar article, Display. B. Matuzoff. 146,515–16 ; Mar. 25.
Stand, Picture. J. J. Swartzmiller. 146,530 ; Mar. 25.
Stove. L. R. Reynolds. 146,523 ; Mar. 25.
Toy, Clock figure. H. A. Tomarin. 146,531 ; Mar. 25.
Toy dump truck. O. F. Larsen, Jr. 146,508 ; Mar. 25.
Toy ferryboat. O. F. Larsen, Jr. 146,509 ; Mar. 25.
Toy gun. W. C. Hooper. 146,502 ; Mar. 25.
Toy, Multiple wheeled pull. O. F. Larsen, Jr. 146,507 ; Mar. 25.
Toy trailer. O. F. Larsen, Jr. 146,510 ; Mar. 25.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 25TH DAY OF MARCH, 1947

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Accumulator. M. W. Huber. 2,417,873 ; Mar. 25.
Acetonitrile by decantation and distillation, Dehydration of. C. H. Dale. 2,417,862 ; Mar. 25.
Acetylation of lignocellulosic board materials. A. J. Stamm and H. Tarkow. 2,417,995 ; Mar. 25.
Aircraft control mechanism. M. Watter. 2,418,060 ; Mar. 25.
Aircraft wheels, Power rotation of. S. S. Knox. 2,417,937 ; Mar. 25.
Alarm, Pressure drop. S. Lehman. 2,417,940 ; Mar. 25.
Amine salts of polychloro-2-hydroxy-deipenyl. G. H. Coleman and W. D. Schroeder. 2,417,809 ; Mar. 25.
Amines and nitriles, Production of. J. W. Teter. 2,417,892 ; Mar. 25.
Angle plate clamping bracket. C. W. Varcoe. 2,418,059 ; Mar. 25.
Animal fibers and products thereof, Treating. M. Harris and W. I. Patterson. 2,418,071 ; Mar. 25.
Animal trap. W. W. Stout. 2,417,891 ; Mar. 25.
Antenna. B. E. Montgomery. 2,418,084 ; Mar. 25.
Antenna. A. H. Waite, Jr. 2,417,848 ; Mar. 25.
Antenna system. P. S. Carter. 2,417,808 ; Mar. 25.
Apparatus for applying coating material to a series of objects. J. H. Flink. 2,417,920 ; Mar. 25.
Apparatus for cleaning open hearth checker work and the like. J. H. Neider. 2,418,045 ; Mar. 25.
Apparatus for joining wires and the like by fusion. G. Gilliver. 2,417,819 ; Mar. 25.
Apparatus for measuring surface roughness. M. Mooney. 2,417,988 ; Mar. 25.
Apparatus for reducing the fluid content of a fluid-solid intermixture. H. A. Teale 2,417,958 ; Mar. 25.
Apparatus for treating selenium rectifiers. C. S. Smith, Jr., and L. A. Seder. 2,418,055 ; Mar. 25.
Arm, Windshield wiper. I. Nesson. 2,417,991 ; Mar. 25.
Artificial tooth. M. Beresin. 2,417,965 ; Mar. 25.
Automatic hydraulic clothes washing machine. N. B. Wales. 2,417,998 ; Mar. 25.
Automatic oxygen indicator. E. R. Lewis. 2,417,877 ; Mar. 25.
Automatic pilot for dirigible craft. W. M. Harcum and P. Halpert. 2,417,821 ; Mar. 25.
Automatic screw machine, automatic lathe, and allied automatic machine tool. W. E. Klema and H. Sorenson. 2,417,936 ; Mar. 25.
Balanced to unbalanced circuit connector. H. A. Wheeler. 2,417,895 ; Mar. 25.
Balancing device, Brake head. N. Flesch. 2,418,022 ; Mar. 25.
Ball means for advancing articles over transverse assorting rollers, Flexibly suspended. R. D. Fox. 2,417,921 ; Mar. 25.
Banding machine. E. C. Sloan and W. F. Hoag. 2,418,054 ; Mar. 25.
Bar : *See*—
  Vehicle tow bar.
Blank feeding means. H. Bobst. 2,418,065 ; Mar. 25.
Bloom turning apparatus. W. S. Pandoff. 2,418,091 ; Mar. 25.
Board : *See*—
  Clip board.
Bobbin holder. J. E. Leake. 2,418,079 ; Mar. 25.
Bomb, Demolition. W. C. Goss. 2,417,980 ; Mar. 25.
Box : *See*—
  Mail box.
Bracket : *See*—
  Angle plate clamping bracket.
Brake : *See*—
  Clasp brake.
  Disc brake.
Brake control. D. Parrett. 2,418,048 ; Mar. 25.
Brassière. M. G. Edelston. 2,418,016 ; Mar. 25.
Breech bolt latching mechanism. F. I. Rataiczak. 2,418,094 ; Mar. 25.
Bridge, Power-measuring. E. L. Ginzton. 2,417,820 ; Mar. 25.
Bridge structure. E. F. Janke, Sr. 2,417,825 ; Mar. 25.
Buckle, Bar. H. C. Robinson. 2,418,096 ; Mar. 25.
Burner : *See*—
  Rotary head oil burner.
Cabinet : *See*—
  Refrigerated display cabinet.
Calcium phosphate, Stable iodized. H. Adler. 2,417,804 ; Mar. 25.
Camera and light support. O. G. Carpenter, Sr. 2,418,067 ; Mar. 25.
Camera view and range finder. A. Simmon. 2,418,107–8 ; Mar. 25.
Cap feeder. F. W. Krueger. 2,417,938 ; Mar. 25.
Cap for wear. E. P. Marder and W. N. Green. 2,417,986 ; Mar. 25.
Carbon disulphide from a hydrocarbon liquid, Removal of. D. W. Parkes and I. A. M. Ford. 2,418,047 ; Mar. 25.
Card, Greeting. G. B. Histed. 2,417,982 ; Mar. 25.
Carrier : *See*—
  Tire carrier.
Casing with valve operating means for a cartridge with a dispensing valve, Dispensing. E. R. Lane. 2,418,036 ; Mar. 25.
Cellulose ethers to textile, Application of. C. F. Goldthwait, H. O. Smith, and L. B. Barnes. 2,417,869 ; Mar. 25.
Chamber, Subliming. W. T. Badham. 2,417,900 ; Mar. 25.
Check valve. L. H. Browne. 2,417,968 ; Mar. 25.
Circuit : *See*—
  Demodulator circuit.
Circuit breaker. C. Bangert, Jr. 2,418,006 ; Mar. 25.
Circuits, Electric motor speed control. P. Glass. 2,417,868 ; Mar. 25.
Clasp brake. C. E. Tack and W. A. Helsten. 2,418,057 ; Mar. 25.
Clip : *See*—
  Roofing clip
Clip board. C. E. Merritt. 2,417,879 ; Mar. 25.
Closure, Dust guard well. E. Armstrong. 2,417,853 ; Mar. 25.
Clutch : *See*—
  Rotary hydraulic clutch.
Clutch and brake mechanism. M. L. Fast. 2,418,019 ; Mar. 25.
Clutch facing. W. P. Schmitter and E. J. Wellauer. 2,418,099 ; Mar. 25.
Collar, Convertible shirt. S. Touloumis. 2,418,058 ; Mar. 25.
Collet. J. T. Obecny. 2,417,836 ; Mar. 25.
Combustion device. H. H. Moore. 2,417,835 ; Mar. 25.
Composite product and making the same. B. S. Garvey. 2,418,025 ; Mar. 25.
Composition containing alkaline latex and resorcinol-formaldehyde-amine resin. E. S. Ebers. 2,417,975 ; Mar. 25.
Composition for removing unwanted hair. L. J. Neary. 2,417,882 ; Mar. 25.
Connecter : *See*—
  Balanced to unbalanced circuit connecter.
Connector : *See*—
  Balanced to unbalanced circuit connector.
Connector for power transmission lines, Jack. G. W. Miller. 2,418,040 ; Mar. 25.
Contact element. J. M. Booe. 2,417,967 ; Mar. 25.
Container : *See*—
  Toothbrush and dentifrice container.
Control for burners and the like, Cyclic safety. G. D. Bower. 2,417,909 ; Mar. 25.
Control for motor vehicles, Window. E. C. Horton. 2,418,031 ; Mar. 25.
Control mechanism for fog generating machines, Fuel. A. W. Ruff. 2,418,098 ; Mar. 25.
Control mechanism, Helicopter rotor pitch. H. Hirsch. 2,418,030 ; Mar. 25.
Control mechanism, Unwinder. T. J. Finn. 2,417,818 ; Mar. 25.
Control system for hydraulic presses. W. Becker. 2,417,858 ; Mar. 25.
Conveyor with air nozzle sorting apparatus. C. and A. Luzietti and F. A. Marini. 2,417,878 ; Mar. 25.
Copper with vinyl resins, Coating. G. M. Powell, 3d, and E. F. Carlston. 2,417,885 ; Mar. 25.
Cutting tool. H. C. Curtis. 2,417,813 ; Mar. 25.
Cylinder, Removable. C. Ledin and J. P. Andrew. 2,418,080 ; Mar. 25.
Cymbal beating device. J. M. D'Arcy. 2,417,972 ; Mar. 25.
Decapitator, Poultry. J. L. Staufenbiel. 2,417,890 ; Mar. 25.
Demodulator circuit. G. W. Downs and D. A. Kelly. 2,417,974 ; Mar. 25.
Detector for looms, Electric weft. R. G. Turner. 2,417,997 ; Mar. 25.
Device for airplanes, Ice removing. T. C. Harper. 2,417,930 ; Mar. 25.
Device for comminuted material, Centrifugal air separator and screening. G. S. Weinberger. 2,418,061 ; Mar. 25.
Device for gyroscopes, Erecting. R. G. Jewell. 2,418,032 ; Mar. 25.

Device for wheel excavators, Dumping. P. S. Stevens. 2,417,846; Mar. 25.
Device for window sash, Antirattle. F. W. Comber. 2,417,970; Mar. 25.
Diagnostic compositions. J. Kamlet. 2,418,033; Mar. 25.
Dimethyl butene from propylene, Preparing a. R. M Hill and H. G. Codet. 2,417,872; Mar. 25.
Disc brake. T. Barish. 2,417,855–7; Mar. 25.
Disc brake. E. F. Deady. 2,417,863; Mar. 25.
Discs, Manufacture of rectifier. E. A. Richards, L. J. Ellison, and F. Gray. 2,417,839; Mar. 25.
Display form, Adjustable trouser. J. Mayer. 2,418,083; Mar. 25.
Drill: *See*—
  Gun drill.
Driller, Diamond die. F. Crossman, E. A. Southam, and G. J. Ruhl. 2,417,811; Mar. 25.
Electric arc welding apparatus. H. S. Bowen, Sr., and J. A. Smith, Jr. 2,417,907; Mar. 25.
Electric glass furnace. A. E. A. S. Cornelius. 2,417,913; Mar. 25.
Electric plug. M. M. Guernsey. 2,417,928; Mar. 25.
Electric switch. J. H. Baker and P. J. Schwarzhaupt. 2,418,005; Mar. 25.
Electrical impulses into mechanical force, Translating. W. M. Winslow. 2,417,850; Mar. 25.
Electrical protective device. A. B. Ellicock. 2,418,017; Mar. 25.
Electron probe analysis employing X-ray spectrography. J. Hillier. 2,418,029; Mar. 25.
Elevator, Hydraulically operated. C. H. Reedy. 2,417,947; Mar. 25.
Engine: *See*—
  Internal-combustion engine.
  Rotary Diesel engine.
Engine warming apparatus. A. W. Ruff. 2,418,097; Mar. 25.
Envelope moistener. H. Lachapelle. 2,418,035; Mar. 25.
Equipment for vehicle brakes, Load gear. B. H. Browall. 2,417,859; Mar. 25.
Eraser, Adjustable. J. Gerster-Seller. 2,417,925; Mar. 25.
Fairlead. S. A. Wohler. 2,418,105; Mar. 25.
Feeder: *See*—
  Cap feeder.
Feeding device, Egg. G. F. Hudson and L. L. Campbell. 2,417,823; Mar. 25.
Fibrous plastic articles, Selective impregnation of accreted. S. H. A. Young. 2,417,851; Mar. 25.
Fixture, Chucking. E. J. Marasko. 2,418,082; Mar. 25.
Flame thrower, Portable. W. C. Graham. 2,417,981; Mar. 25.
Flatiron. F. E. Finlayson. 2,418,020; Mar. 25.
Fluid reactants, Catalytic conversion of. C. H. Angell. 2,418,003; Mar. 25.
Foldable step. D. L. McFarland. 2,417,987; Mar. 25.
Food products, Drying of moist. R. M. Schaffner. 2,417,843; Mar. 25.
Foodstuffs, Preserving. M. J. Stammelman. 2,417,889; Mar. 25.
Foot corrector. L. C. Zerkle. 2,417,852; Mar. 25.
Forsterite, Refractory fused. V. M. Goldschmidt. 2,418,026; Mar. 25.
Frame: *See*—
  Typewriting machine frame.
Furnace: *See*—
  Electric glass furnace.
  High temperature electrically-heated furnace.
Furnaces, Operating open-hearth. E. A. Schwartz. 2,417,951; Mar. 25.
Furniture arm protector. M. J. Passel. 2,418,092; Mar. 25.
Garment. C. A. Schuster. 2,417,888; Mar. 25.
Garment, Child's. B. M. Shank. 2,418,050; Mar. 25.
Garment, Dog's. M. De Mar. 2,417,803; Mar. 25.
Garment finishing apparatus. A. F. Paris. 2,417,838; Mar. 25.
Gas heated soldering iron. J. Attias. 2,418,004; Mar. 25.
Gasket and construction. A. W. L. Hartbauer. 2,418,072; Mar. 25.
Gear: *See*—
  Head gear.
Generator: *See*—
  High-frequency generator.
Generator and amplifier, Electric oscillation. R. M. Barnard and A. Cooper. 2,417,805; Mar. 25.
Glass, Alabaster. W. H. Armistead. 2,417,898; Mar. 25.
Glove, Baseball. B. B. Stobbe. 2,417,996; Mar. 25.
Grass drying apparatus. J. E. Newman. 2,418,089; Mar. 25.
Grinder for fine die drilling machines, Needle. F. Crossman and E. A. Southam. 2,417,810; Mar. 25.
Guard for office furniture, Clothing. M. R. Wiley. 2,417,961; Mar. 25.
Guard, Phonograph needle. C. B. Dale. 2,417,814; Mar. 25.
Gun drill. J. Fleischer. 2,418,021; Mar. 25.
Handle: *See*—
  Tool handle.
Hanger: *See*—
  Pants hanger.
Hanger for chairs, Coat. F. C. Duval. 2,417,866; Mar. 25.
Harvester, Peanut. F. T. Blaydes. 2,417,905; Mar. 25.
Head gear. W. R. P. Delano. 2,418,069; Mar. 25.
Heat-treating Electroplated material. J. S. Nachtman. 2,418,087; Mar. 25.
Heat-treatment of electroplated strip metal. J. S. Nachtman. 2,418,088; Mar. 25.
Heating apparatus. A. Donald and J. Jacobstein. 2,418,015; Mar. 25.
Heel. D. W. Lauzon. 2,418,078; Mar. 25.
Helicopter flying apparatus. C. H. Zimmerman. 2,417,896; Mar. 25.
High-frequency generator. G. Milburn and W. H. Schnacke. 2,417,880; Mar. 25.
High temperature electrically-heated furnace. S. H. Stupakoff. 2,417,953; Mar. 25.
Holder: *See*—
  Bobbin holder.
  Memorandum pad holder.
Hydraulic jack. E. Strom. 2,417,956; Mar. 25.
Hydrocarbon oils, Catalytic conversion of. W. J. Degnen. 2,417,973; Mar. 25.
Hydrocarbon oils, Cracking. S. C. Fulton, C. O. Tongberg, and E. D. Reeves. 2,417,867; Mar. 25.
Hydrocarbons, Catalytic reconstruction of. F. E. Frey. 2,418,023; Mar. 25.
Hydrocarbons, Condensation of. V. Haensel. 2,418,028; Mar. 25.
Hydrogen chloride and isobutylene, Reaction between. R. P. Perkins and R. H. Rigterink. 2,418,093; Mar. 25.
Hydrogen fluoride from water, Removal of. A. B. Leonard. 2,417,875; Mar. 25.
Impact switch. R. D. Porter. 2,417,993; Mar. 25.
Impeller for centrifugal apparatus. T. Chester. 2,418,012; Mar. 25.
Implement, Retractile marking. J. F. Kingsley. 2,417,984; Mar. 25.
Implement, Weeding. O. C. Gaines. 2,418,024; Mar. 25.
Incubator, Portable baby. G. Armstrong. 2,417,962; Mar. 25.
Indicator: *See*—
  Automatic oxygen indicator.
  Key indicator.
Induction heating coil, energizing means therefor and work-release means. H. A. Strickland, Jr. 2,418,056; Mar. 25.
Interlock for couplings and supports for trailers. W. Bennett. 2,417,904; Mar. 25.
Interlock for trailers, Drop leg and coupler. W. Bennett. 2,417,903; Mar. 25.
Internal-combustion engine. R. D. Bruegger. 2,417,910; Mar. 25.
Internal-combustion engine. J. G. Vincent. 2,418,102; Mar. 25.
Iron: *See*—
  Gas heated soldering iron.
Iron from ore, Recovery of. E. Riveroll. 2,417,949; Mar. 25.
Jack: *See*—
  Hydraulic jack.
Key indicator. L. Oberfield. 2,418,046; Mar. 25.
Latch: *See*—
  Night latch.
Lens surfacing machine. D. E. Mulholland, G. Fast, and K. S. Lawrence. 2,418,086; Mar. 25.
Lens, Triplet objective. J. R. Miles. 2,417,942; Mar. 25.
Linkage, Integrating. G. S. Binckley. 2,417,966; Mar. 25.
Load transfer unit. J. H. Jacobson. 2,417,824; Mar. 25.
Loom: *See*—
  Stationary magazine loom.
Lubricant. B. H. Lincoln and J. M. Hersh. 2,417,833; Mar. 25.
Lubricating composition. W. A. Jones. 2,417,826–7; Mar. 25.
Machine for making plywood in curved shapes. J. S. Stewart. 2,418,100; Mar. 25.
Magnetic compass compensating field device. C. B. Dinsmore. 2,417,864; Mar. 25.
Magnifying attachment for measuring instruments and the like. S. S. Barrows. 2,417,902; Mar. 25.
Mailbox. L. B. Bruelheide. 2,418,010; Mar. 25.
Marking device. J. L. Douglass. 2,417,865; Mar. 25.
Measuring and controlling apparatus. F. W. Side. 2,418,052; Mar. 25.
Mechanism for portable hoists and excavators, Steering. E. W. Barnhart. 2,417,963; Mar. 25.
Memorandum pad holder. F. H. Kiser. 2,417,935; Mar. 25.
Metal-lined portable wooden tank. R. E. Gilmore. 2,417,979; Mar. 25.
Meter: *See*—
  Radio distance meter.
Methyl methacrylate polymer laminated to a polyvinyl butyral by means of silicic adhesive. M. L. Ernsberger and P. S. Pinkney. 2,418,018; Mar. 25.
Methylene derivatives of hydantoin, Preparing. J. F. Walker. 2,418,000; Mar. 25.
Micro-organisms in meat, Inhibition or retardation of the growth of. H. F. Bauer and E. F. Glabe. 2,417,806; Mar. 25.

Motor of the axially moving sliding vane type, Spherical fluid operated rotary. C. A. Mann. 2,418,081; Mar. 25.
Mounting means for fabric and like covering sheets. J. E. Frazer. 2,417,922; Mar. 25.
N,N-dialkyl morpholinium alkyl-sulfates. J. B. and V. Niederl and M. E. McGreal. 2,417,992; Mar. 25.
N,N¹-dibenzylidene-ethylene-diamine as arachnicides. E. C. Ladd. 2,417,985; Mar. 25.
N,N′-methylene bis hydantoins, Preparation of. J. F. Walker. 2,417,999; Mar. 25.
N-thioamines, Preparation of. A. W. Sloan. 2,417,954; Mar. 25.
Naphthoquinones, and producing the same, Substituted. L. F. Fieser. 2,417,919; Mar. 25.
Night latch. C. H. Nehls. 2,418,044; Mar. 25.
Nitriles and amines, Production of. J. W. Teter 2,417,893; Mar. 25.
Nucleotide compounds of components of vitamin B complex. S. L. Ruskin. 2,417,841; Mar. 25.
Nuts, Manufacturing. E. A. Green. 2,418,070; Mar. 25.
Oil, Inhibited. A. W. Lewis and J. E. Schott. 2,417,876; Mar. 25.
1,2-disubstituted-4,5-dihydroimidazoles. L. P. Kurides and F. B. Zienty. 2,418,077; Mar. 25.
Optical objective. A. Warmisham and C. G. Wynne. 2,418,001; Mar. 25.
Ordnance. A. T. Holman and T. Thomson. 2,417,983; Mar. 25.
Ore treatment process. H. C. Kawecki. 2,418,073–4; Mar. 25.
Oscillator, Self-pulsing. H. W. Lord. 2,417,834; Mar. 25.
Packing ring. L. W. Rodgers and S. H. Simpson 2,417,840; Mar. 25.
Paint remover. J. H. Muller. 2,417,943; Mar. 25.
Pants hanger. H. J. Zimmermann. 2,418,106; Mar. 25.
Paper, Desiccant. W. W. Gary. 2,417,924; Mar. 25.
Pen, Fountain. A. O. Dahlberg. 2,417,861; Mar. 25.
Pile fabrics, Mothproofing. J. N. Dow. 2,417,916; Mar. 25.
Pipe: *See*—
  Smoking pipe.
Pipe connection, Lockable. T. A. St. Clair and W. R. Eddy. 2,417,955; Mar. 25.
Pipe, Making plastic-metal. C. G. Munger. 2,417,881; Mar. 25.
Piston and cylinder construction. H. F. Schmidt. 2,417,887; Mar. 25.
Piston ring. J. T. Overstreet. 2,417,884; Mar. 25.
Piston skirt expander. M. E. Sipe. 2,418,053; Mar. 25.
Plastic sheets, Laminating. L. Paggi. 2,417,837; Mar. 25.
Plug: *See*—
  Electric plug.
Polycyclic methylpolysiloxanes. D. W. Scott. 2,418,051; Mar. 25.
Potato treating process. A. F. Kalmar. 2,417,932; Mar. 25.
Potatoes, Treating. A. F. Kalmar. 2,417,933; Mar. 25.
Printing and feeding means for cash registers. W. S. Gubelmann. 2,418,027; Mar. 25.
Propeller control. J. F. Haines. 2,417,870; Mar. 25.
Propeller, Variable pitch. W. W. Everts. 2,417,917; Mar. 25.
Protector: *See*—
  Furniture arm protector.
Pump or motor, Fluid. W. S. Fallon. 2,417,816; Mar. 25.
Pump with automatic timer, Fuel. A. Dreisin. 2,417,915; Mar. 25.
Radio beacon. R. R. Brunner. 2,417,807; Mar. 25.
Radio distance meter. C. W. Earp. 2,417,815; Mar. 25.
Radio receiver. C. T. Scully and L. W. Houghton. 2,417,844; Mar. 25.
Refrigerated display cabinet. W. Abrahamson. 2,418,062; Mar. 25.
Relay system, Counting. F. S. Kinkead. 2,417,831; Mar. 25.
Residue from containers, Removing and concentrating. E. R. Alling and H. A. Trebler. 2,418,063; Mar. 25.
Resin, Manufacture of cast phenolic. C. S. Webber, S. B. Luce, and F. M. Murdock. 2,417,959; Mar. 25.
Respiration apparatus. A. J. Kizaur. 2,418,034; Mar. 25.
Retainer, Bottle closure. W. W. Mays. 2,418,039; Mar. 25.
Ring: *See*—
  Packing ring.
  Piston ring.
Ring for aircraft, Hydraulically controlled cowling. W. D. Parker. 2,417,945; Mar. 25.
Roller bearing and cup spacer, Double row. R. M. Riblet. 2,418,095; Mar. 25.
Roller finder for pontoons. F. J. Walters and H. B. Nelson. 2,417,849; Mar. 25.
Roof and roofing sheets for use therein. H. W. Ashman. 2,417,899; Mar. 25.
Roofing clip. P. W. Kridler. 2,418,076; Mar. 25.
Rotary Diesel engine. G. J. Wayland. 2,417,894; Mar. 25.
Rotary head oil burner. D. Hanson. 2,417,929; Mar. 25.
Rotary hydraulic clutch. J. S. Becker. 2,417,964; Mar. 25.

Rust-preventive composition. M. H. Kollen and M. T. Flaxman. 2,418,075; Mar. 25.
Scraper, Earth moving. E. Meyer and T. J. Poppe. 2,418,041; Mar. 25.
Scraper, Wheeled. R. S. Hoar. 2,417,822; Mar. 25.
Seal, Fluid. J. F. Joy. 2,417,828; Mar. 25.
Shield, Welding. S. Oschin. 2,417,883; Mar. 25.
Shoe heel and means for attaching the same. O. Boivin. 2,417,906; Mar. 25.
Shuttle bobbin take-up mechanism. R. J. Loos. 2,417,941; Mar. 25.
Signal device, Oscillating light. J. D. Kennelly. 2,417,934; Mar. 25.
Signaling arrangement in a cable system. E. Widèn and G. Lindahl. 2,418,104; Mar. 25.
Slitting and scoring mechanism, Paperboard. H. W. Bruker. 2,418,066; Mar. 25.
Smoking pipe. A. Geiger. 2,417,978; Mar. 25.
Solenoid. J. C. Koonz, LaV. E. Quinnell, and R. H. Severance. 2,417,832; Mar. 25.
Solenoid. R. M. Nardone. 2,417,990; Mar. 25.
Sound direction finder. G. M. Giannini. 2,417,927; Mar 25.
Speed varying gearing. W. B. Osborne. 2,417,944; Mar. 25.
Split-phase motor thermal starting switch. H. F. Clark. 2,417,912; Mar. 25.
Spreader stoker apparatus. D. J. Mosshart. 2,418,042; Mar. 25.
Stabilizing device. A. G. Larson. 2,418,037; Mar. 25.
Stapling machine. T. J. Finn. 2,417,817; Mar. 25.
Starch and making the same, Dissociated. G. V. Caesar and T. D. Thompson. 2,417,969; Mar. 25.
Stationary magazine loom. J. Stuer. 2,418,101; Mar. 25.
Stove and range, Cook. J. French. 2,417,977; Mar. 25.
Stove, Cooking. H. W. Sanford and W. P. Biddle, Jr. 2,417,842; Mar. 25.
Structure for carburetor, Anti-percolator. H. A. Carlson. 2,418,011; Mar. 25.
Sulfenamides, Manufacture of. R. G. D. Moore and J. K. Sanford. 2,417,989; Mar. 25.
Sulfonamide derivatives, Purification of. E. Kuh, L. H. Dhein, and R. H. Ebel. 2,417,939; Mar. 25.
Support: *See*—
  Camera and light support.
Surfacing machine. D. E. Mulholland and K. S. Lawrence. 2,418,085; Mar. 25.
Suspension for saddles, Adjustable stirrup. C. G. Wells. 2,418,103; Mar. 25.
Switch: *See*—
  Electric switch.
  Impact switch.
  Split-phase motor thermal starting switch.
  Thermostatic switch.
Switch. R. T. Cornelius. 2,418,068; Mar. 25.
Switch for air conditioning apparatus. J. T. Carlson. 2,417,911; Mar. 25.
Tank: *See*—
  Metal-lined portable wooden tank.
Telegraph system. A. E. Thompson. 2,417,847; Mar. 25.
Templets or patterns, Reproducing. J. T. Barnes and W. A. Collins. 2,418,007; Mar. 25.
Thermopile for measuring air temperature. N. P. W. Frisk. 2,417,923; Mar. 25.
Thermostatic switch. E. L. Cline. 2,417,860; Mar. 25.
3,3 bis(4 dimethylaminophenyl) 6-dimethylamino-phenyl phthalide. C. S. Adams. 2,417,897; Mar. 25.
Tire carrier. J. Selzer and S. G. Johnson. 2,417,952; Mar. 25.
Tool: *See*—
  Cutting tool.
Tool handle. W. G. Prentice. 2,417,946; Mar. 25.
Toothbrush and dentifrice container. H. A. Kehl. 2,417,874; Mar. 25.
Tractor mounted planter. J. L. Hipple. 2,417,931; Mar. 25.
Trailer steering mechanism. H. C. Nunes. 2,418,090; Mar. 25.
Transmission device, Variable-speed. F. G. Costello. 2,417,914; Mar. 25.
Transmission mechanism, Power. P. E. Reimuller. 2,417,948; Mar. 25.
Transmission, Planetary. R. S. Taylor. 2,417,957; Mar. 25.
Trap: *See*—
  Animal trap.
Tray, Ice-cube. C. A. Bauer. 2,418,008; Mar. 25.
Trimmer. A. A. Schild. 2,418,049; Mar. 25.
Truck, Household utility. J. I. Fatur. 2,417,918; Mar. 25.
Tub having a water inlet provided with a vacuum breaker. M. W. Bowen. 2,417,908; Mar. 25.
Turbine construction. C. R. Soderberg. 2,417,845; Mar. 25.
Typewriting machine frame. L. C. Myers. 2,418,043; Mar. 25.
Valve: *See*—
  Check valve.
Valve. H. E. Sheets. 2,417,994; Mar. 25.

Valve construction. A. B. Bagsar. 2,417,901; Mar. 25.
Valve for air filters, Float. G. Franklin. 2,417,976; Mar. 25.
Valves, Grinding. L. C. Culp. 2,417,971; Mar. 25.
Variable load brake. E. S. Cook. 2,418,013; Mar. 25.
Vehicle tow bar. H. H. Heuerman. 2,417,871; Mar. 25.
Vest, Back-protective surgical suspender. H. Berman. 2,418,009; Mar. 25.
Water supply system, Continuous sterile. E. Rothwell. 2,417,950; Mar. 25.
Wave signaling device, Compressional. A. C. Keller. 2,417,829–30; Mar. 25.
Wax bite rim former. P. G. Curren. 2,417,812; Mar. 25.
Web and making same, Bent corrugated. W. A. Weightman. 2,417,960; Mar. 25.
Wheel. A. O. Williams. 2,418,002; Mar. 25.
Wheel and brake, Airplane. T. Barish. 2,417,854; Mar. 25.
Wheel revolving means. H. T. Austin. 2,418,064; Mar. 25.
Wheel runner. E. W. Lersch. 2,418,038; Mar. 25.
Window construction. E. L. Daab. 2,418,014; Mar. 25.
Wrench for waterproof watch cases. L. Ghiglieri. 2,417,926; Mar. 25.
Xylidine, Distillation of crude. A. K. Redcay. 2,417,886; Mar. 25.

CLASSIFICATION OF PATENTS

ISSUED MARCH 25, 1947

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

Note.—First number—class, second number—subclass, third number—patent number

1— 2: 2,417,817
2— 7: 2,418,069
8: 2,417,883
19: 2,417,996
42: 2,418,016
44: 2,418,009
104: 2,417,888
131: 2,418,058
198: 2,417,986
227: 2,418,050
8— 128: 2,418,071
10— 86: 2,418,070
13— 6: 2,417,913
20: 2,417,953
14— 3: 2,417,825
15— 133: 2,418,035
17— 12: 2,417,890
18— 34.1: 2,417,812
20— 69: 2,418,072
74: 2,417,922
23— 18: 2,418,073
2,418,074
255: 2,417,877
264: 2,417,900
24— 178: 2,418,096
30— 299: 2,418,024
32— 8: 2,417,965
33— 225: 2,417,864
34— 206: 2,418,089
36— 34: 2,418,078
42: 2,417,906
71: 2,417,852
37— 118: Re.22,855
126: 2,417,822
2,418,041
190: 2,417,846
38— 79: 2,418,020
43— 81.5: 2,417,891
45— 137: 2,417,961
47— 61: Pl.Pt.725
Pl.Pt.726
Pl.Pt.727
Pl.Pt.729
Pl.Pt.730
Pl.Pt.731
Pl.Pt.732
62: Pl.Pt.728
51— 28: 2,417,971
97: 2,418,085
2,418,086
217: 2,418,059
54— 44: 2,418,103
79: 2,417,803

55— 9: 2,417,905
60— 45: 2,417,835
52: 2,417,858
2,417,947
2,417,956
54: 2,417,964
62— 89.6: 2,418,062
106.5: 2,418,008
68— 12: 2,417,998
58: 2,417,908
70— 369: 2,418,080
395: 2,418,046
73— 37: 2,417,988
74— 1: 2,417,966
5: 2,418,032
24: 2,417,948
44: 2,417,910
115: 2,417,944
230.17: 2,417,914
290: 2,417,957
593: 2,418,040
75— 34: 2,417,949
43: 2,417,951
77— 68: 2,418,021
81— 6: 2,417,926
82— 30: 2,417,936
84— 422: 2,417,972
88— 39: 2,417,902
57: 2,417,942
2,418,001
89— 1: 2,417,983
27: 2,418,094
91— 18: 2,418,055
46: 2,417,920
92— 55: 2,417,851
93— 2: 2,418,054
94— 8: 2,417,824
95— 44: 2,418,107
2,418,108
99— 136: Re.22,858
143: 2,417,804
156: 2,417,932
2,417,933
157: 2,417,806
207: 2,417,843
225: 2,417,889
101— 7: 2,417,865
93: 2,418,027
426: 2,418,007
102— 2: 2,417,980
103— 41: 2,417,915
42: 2,417,870
115: 2,418,012

103— 162: 2,417,816
106— 14: 2,418,075
53: 2,417,898
59: 2,418,026
108— 13: 2,417,899
33: 2,418,076
110— 115: 2,418,042
111— 59: 2,417,931
114— 220: 2,417,849
117— 111: 2,417,916
118: 2,417,995
138.5: 2,417,869
152: 2,417,924
120— 38: 2,417,925
49: 2,417,984
50: 2,417,861
121— 1: 2,417,887
89: 2,418,081
122— 32: 2,418,015
123— 43: 2,417,894
119: 2,418,102
171: 2,417,945
125— 30: 2,417,810
2,417,811
126— 1: 2,417,842
127— 32: 2,417,969
128— 1: 2,417,962
142: 2,418,034
340: Re.22,857
131— 184: 2,417,978
132— 84: 2,417,874
134— 23: 2,418,063
167: 2,418,045
136— 4: 2,417,923
137— 68: 2,417,976
139: 2,417,994
138— 31: 2,417,873
139— 197: 2,417,941
232: 2,418,101
251: 2,418,079
273: 2,417,997
144— 254: 2,418,100
145— 61: 2,417,946
148— 6: 2,417,885
154— 82: 2,417,881
139: 2,417,837
2,418,018
2,418,025
155— 182: 2,418,092
158— 26: 2,418,004
28: 2,417,909
2,417,981
36: 2,418,098

158— 77: 2,417,929
164— 33: 2,417,813
41: 2,418,049
61: 2,418,066
167— 30: 2,417,985
81: 2,417,841
89: 2,417,882
170— 162: 2,417,917
171— 95: 2,417,820
252: 2,417,880
172— 239: 2,418,052
274: 2,417,868
279: 2,417,912
173— 361: 2,417,928
175— 320: 2,417,850
341: 2,417,832
2,417,990
366: 2,417,839
177— 329: 2,417,934
353: 2,417,831
386: 2,417,829
2,417,830
2,417,927
178— 22: 2,417,847
44: 2,417,895
179— 2: 2,418,104
180— 18: 2,418,048
79.2: 2,417,963
79.4: 2,418,090
82: 2,418,031
188— 18: 2,417,854
59: 2,418,057
71: 2,417,856
2,417,857
2,417,863
72: 2,417,855
98: 2,418,037
195: 2,417,859
230: 2,418,022
189— 34: 2,417,960
72: 2,418,014
192— 18: 2,418,019
107: 2,418,099
196— 32: 2,418,047
52: 2,417,867
2,417,973
2,418,003
197— 186: 2,418,043
198— 20: 2,417,823
200— 52: 2,417,993
58: 2,417,940
67: 2,418,005
2,418,068

200— 116: Re.22,856
118: 2,418,017
138: 2,417,911
140: 2,417,860
166: 2,417,967
172: 2,418,006
202— 3: 2,417,886
62: 2,417,862
204— 36: 2,418,087
2,418,068
206— 1: 2,418,067
209— 21: 2,418,061
90: 2,417,878
106: 2,417,921
210— 188: 2,417,958
211— 7: 2,417,866
214— 1: 2,418,091
65.4: 2,417,918
215— 98: 2,418,039
219— 4: 2,417,819
13: 2,418,056
21: 2,417,943
35: 2,417,977
220— 1.5: 2,417,979
222— 3: 2,418,036
223— 63: 2,418,063
70: 2,417,838
95: 2,418,106
224— 29: 2,417,952
226— 88.1: 2,417,938
229— 92.8: 2,417,982
232— 17: 2,418,010
242— 1: 2,417,818
244— 17: 2,417,896
2,418,030
77: 2,417,821
87: 2,418,060
103: 2,417,937
2,418,064
129: 2,417,987
134: 2,417,930
250— 1.68: 2,417,815
11: 2,417,807
2,417,808
20: 2,417,844
27: 2,417,974
33: 2,417,848
2,418,084
36: 2,417,805
2,417,834
49.5: 2,418,029
251— 29: 2,417,901
122: 2,417,968

252— 32.7: 2,417,826
2,417,876
33.6: 2,417,833
49: 2,417,827
408: 2,418,033
253— 39: 2,417,845
254— 190: 2,418,105
257— 10: 2,417,950
260— 3: 2,417,975
57: 2,417,959
239.6: 2,417,939
247: 2,417,992
306.6: 2,417,989
309.5: 2,417,999
2,418,000
309.6: 2,418,077
344.6: 2,417,897
396: 2,417,919
464: 2,417,892
2,417,893
567.5: 2,417,809
583: 2,417,954
607: 2,418,051
663: 2,418,093
671: 2,418,028
683.15: 2,417,872
683.4: 2,417,875
683.5: 2,418,023
261— 41: 2,418,011
263— 19: 2,418,097
271— 45: 2,418,065
274— 23: 2,417,814
279— 4: 2,418,082
54: 2,417,836
280— 13: 2,418,038
33.1: 2,417,903
2,417,904
33.14: 2,417,871
281— 1: 2,417,935
44: 2,417,879
285— 1: 2,417,955
286— 6: 2,417,853
287— 53: 2,417,991
288— 5: 2,417,828
2,417,840
292— 169: 2,418,044
342: 2,417,970
295— 11: 2,418,002
303— 22: 2,418,013
308— 214: 2,418,095
309— 12: 2,418,053
44: 2,417,884
315— 289: 2,417,907

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,417,804: 99—143
2,417,805: 250—36
2,417,815: 250—1.68
2,417,843: 99—207
2,417,870: 103—42
2,417,887: 121—1
2,417,901: 251—29
2,417,915: 103—41
2,417,922: 20—74
2,417,932: 99—156
2,417,949: 75—34
2,417,960: 189—34
2,418,025: 154—139
2,418,026: 106—59
2,418,067: 206—1
2,418,090: 180—79.4

CLASSIFICATION OF DESIGNS

D 3—26: Des. 146,506
D 7— 5: Des. 146,504
Des. 146,505
7: Des. 146,521
D 9— 2: Des. 146,499
D29—20: Des. 146,530
D34—15: Des. 146,502

D34—15: Des. 146,507
Des. 146,508
Des. 146,509
Des. 146,510
Des. 146,531
D42—10: Des. 146,500
D44— 1: Des. 146,520

D44—15: Des. 146,514
Des. 146,519
24: Des. 146,526
29: Des. 146,518
D45— 4: Des. 146,511
Des. 146,512
Des. 146,513

D45— 9: Des. 146,495
Des. 146,496
10: Des. 146,524
19: Des. 146,503
D49— 6: Des. 146,517
D54—12: Des. 146,494
D58— 6: Des. 146,525

D58— 8: Des. 146,528
26: Des. 146,497
D59—10: Des. 146,532
Des. 146,533
D64—11: Des. 146,501
12: Des. 146,498
D74—24: Des. 146,527

D80— 5: Des. 146,529
9: Des. 146,515
Des. 146,516
11: Des. 146,522
D81—19: Des. 146,523

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DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

J. S. IVINS' SON, INC.
v.
LAMONT, CORLISS & COMPANY

No. 5,205. Decided December 9, 1946

[158 F.(2d) 399; 72 USPQ 120]

TRADE-MARKS—CONFUSING SIMILARITY.

Applicant's trade-mark, "Gate House Cookies by Ivins" accompanied by the picture of a gate and a house at the side, for use upon cookies, *Held* confusingly similar to the notation "Toll House" registered by opposer as a trade-mark for chocolate and for cookies.

APPEAL from the Patent Office. Affirmed.

Mr. Benj. T. Rauber (*Mr. Joseph H. Milans* of counsel) for J. S. Ivins' Son, Inc.

Mr. Ray T. Ernst for Lamont, Corliss & Company.

BLAND, *J.*:

The appellant filed its application in the United States Patent Office for the registration of its trade-mark, "Gate House Cookies by Ivins" accompanied by the picture of a gate and a house at the side, for use upon cookies. The words, "Cookies by Ivins" were disclaimed except in combination with the other features.

The appellee filed notice of opposition to such registration, basing the same upon its registered trade-marks, "Toll House" for chocolate and the same notation for cookies. Appellee's seniority of use is not questioned.

The Examiner of Trade-mark Interferences held there was confusing similarity between the marks when applied to the goods involved and sustained the notice of opposition, which holding, upon appeal to the Commissioner of Patents, was affirmed.

Appellant has appealed here from the Commissioner's decision, 65 USPQ 51, and, as below, stresses the contention that there is no possibility of confusion between "Toll House" and "Gate House." It calls attention to the fact that numerous so-called "House" trade-marks have already been registered and are in use, such as "White House," "Doll House," "Kent House," etc., and argues that to refuse registration is equivalent to holding that the appellee has the exclusive right to use the word "House" in the sale of goods of the character here involved. Appellant stresses the fact that by reason of its frequent use in this connection the "House" feature of the mark is not the portion which would indicate origin of the goods and urges that there is no similarity between "Toll" and "Gate."

It is our view that appellant's contention is without merit.

If registrations in the Patent Office of the word "House" have been improperly allowed, it does not help the situation any to further confuse the purchaser by registering such a mark as appellant here seeks to register. Whether or not appellant has the right to use its mark is not before us. The statute under which we are operating makes likelihood of confusion the test for registration.

The Commissioner, in his decision, stated:

> Applicant's mark as a whole differs considerably from opposer's mark in appearance and in sound. The dominant feature of applicant's mark, however, is the expression "Gate House." As pointed out by the Examiner of Interferences, this expression may have precisely the same meaning as "Toll House"; and it is thus quite probable "that to many purchasers, at least, both notations would give rise to the same mental picture." In view of the character and identity of the merchandise to which the marks are applied, it therefore seems reasonably likely that confusion would result from their concurrent use in trade, and that opposer would be damaged by the proposed registration.

The Examiner had held as follows:

> While it is true that applicant's mark is a composite one having a quite elaborate picture of a house and gate, it nevertheless seems to the Examiner that the notation "Gate House" is the dominant feature of this mark since this is the name by which the goods will be called by prospective purchasers and would probably be the only name by which the goods would be known in the case of radio advertising and word of mouth recommendation. Both this notation and opposer's mark are identical in the use of the word "house", and further it seems to the Examiner that when viewed in their entireties they are susceptible of very similar significances.
>
> Webster's New International Dictionary, edition of 1939, defines tollhouse as "a house where a tollgatherer is stationed, esp. such a house at a toll-gate or at the end of a toll bridge." Funk & Wagnalls New Standard Dictionary, edition of 1930, defines tollhouse as "a toll-collector's lodge adjoining a toll-gate." Furthermore, the same dictionary defines gate-house as "a house beside, over, or at a gate, as a tollhouse." It seems to the Examiner therefore that to many purchasers, at least, both notations would give rise to the same mental picture; and under such circumstances where, as here, the marks are applied to identical goods, confusion in trade is deemed reasonably likely.

We agree with the position of the Examiner and the Commissioner that there is an association of ideas between "Toll House" and "Gate House" that would be likely to promote confusion.

As we have so frequently said, one who really wishes to distinguish his goods from those of another has a wide field to select from without going into disputed territory.

The decision of the Commissioner is affirmed.

Affirmed.

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U. S. Court of Customs and Patent Appeals

IN RE LUXENBERGER ET AL.

No. 5,219. Decided December 9, 1946

[— F.(2d) —; 72 USPQ 132]

1. PATENTABILITY—AGGREGATION.

In affirming the rejection by the Board of Appeals of certain claims as merely defining aggregations of independent elements, *Held* that "the Board's statement that the references 'are not in themselves suggestive of combining the various kinds of apparatus of the claims' is immaterial so far as the question of patentability is concerned."

2. SAME—APPARATUS TO PRODUCE SPONGE RUBBER ARTICLES.

All the claims in appellants' application on apparatus to produce sponge rubber articles *Held* properly rejected.

APPEAL from the Patent Office. Affirmed.

Mr. Lester G. Budlong (*Mr. Chas. C. Wilson* and *Mr. Elmer Stewart* of counsel) for Luxenberger et al.

Mr. W. W. Cochran (*Mr. E. L. Reynolds* of counsel) for the Commissioner of Patents.

HATFIELD, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office rejecting all of the claims (Nos. 14 and 45 to 54, inclusive) in appellants' application for a patent for an alleged invention relating to apparatus for the production of vulcanized sponge rubber articles, such as cushions, mattresses and other articles.

Appellants' apparatus is designed to produce sponge rubber articles from "foamed" latex. The latex is first subjected to ammonia and air to produce latex foam. By means of appellants' apparatus the latex foam is transferred by an overhead conveyor from a supply source to molds where the articles are formed. The articles so formed are then vulcanized, removed from the molds, transferred by means of another overhead conveyor to a washing station where they are washed to remove non-rubber constituents, thence to a wringing or compressing device to remove the washing fluid, and thence to a drying apparatus.

In its decision, the Board affirmed the decision of the Primary Examiner of Division 27 rejecting claims 45, 46, and 47, and the decision of the Primary Examiner of Division 15 rejecting claims 14 and 48 to 54, inclusive.

In rejecting claims 45, 46, and 47, which are directed particularly to washing apparatus designed to wash vulcanized sponge rubber articles by alternately compressing the articles and permitting them to expand in a washing bath so as to remove undesirable materials therefrom, the Primary Examiner of Division 27 relied upon the following references: Berger, 983,530, February 7, 1911; Berger, 1,071,022, August 26, 1913; Hayes-Gratze, 1,914,599, June 20, 1933.

Except as hereinafter noted, claim 45 is illustrative of that group of claims. It reads:

> 45. In apparatus for finishing vulcanised sponge rubber articles, washing apparatus comprising a tank adapted to contain liquid, a plurality of pairs of opposed pressure rolls beneath the level of the liquid means for yieldingly urging the rolls together, an idler roll between adjacent pairs of pressure rolls and out of alignment with the pressure rolls of such pairs, a pair of continuous conveying elements passing between the pressure rolls of each pair, one of said conveying elements being passed around the idler roll to separate the conveying elements between adjacent pairs of pressure rolls and means for moving the conveying elements at the same linear speed.

In addition to the elements called for by quoted claim 45, claim 46 includes a statement as to the degree of separation of the conveying elements—belts, and claim 47 calls for "means for simultaneously adjusting the resistance of all the pressure rolls * * *."

Appealed claims 14 and 48 to 54, inclusive, were rejected by the Primary Examiner of Division 15 on the following references: Berthel, 1,382,948, June 28, 1921; Pade, 1,677,868, July 17, 1928; Fischer, 2,948,344, February 20, 1934; Abbott et al., 2,112,513, March 29, 1938; Brown, 2,208,536, July 16, 1940; Bryen, 1,510,580, October 7, 1924; Honderich, 2,309,-590, January 26, 1943; Spooner, 1,500,776, July 8, 1924.

Appealed claim 14, and appealed claim 48 which, except as hereinafter noted, is illustrative of claims 49 to 54, inclusive, read:

> 14. Apparatus for treating vulcanized sponge rubber articles comprising a washing station including a tank, means for feeding an article through said tank, means associated with said feeding means for successively compressing and relaxing said article during its travel through said tank, a compressing station comprising a pair of opposed endless articulated belts, means for coordinately driving opposed surfaces of the belts, means for adjusting the distance between said surfaces, a receptacle beneath said belts for receiving washing liquid removed thereby and means cooperating with said stations for automatically conveying an article from one to the other.
>
> 48. In an apparatus for producing vulcanized sponge rubber articles, in combination, an endless conveyor, an article support on the conveyor, a washer, a feeding conveyor disposed below the first conveyor for delivering articles to the washer, means responsive to the arrival of the support above the feeding conveyor for releasing an article carried thereby onto the feeding conveyor, means for continuously conveying articles through the washer, and means for conveying washing articles from the washer.

In addition to the apparatus called for by appealed claim 48, appealed claim 51 calls for a plurality of article supports on the endless conveyor, a pair of washers, a pair of feeding conveyors for delivering articles to the washers, and means for releasing articles carried by some of the supports on to one feeding conveyor, and means for releasing articles carried by the remaining supports on to another feeding conveyor.

Claims 52 and 53 differ from quoted claim 48 in that they call for means for releasing articles at a predetermined point so that they may be delivered to the washer and thence through the washer to the compressor.

Claim 54 differs from claim 48 in that it calls for a drier in addition to the other elements called for by that claim.

In the apparatus disclosed in appellants' application, the "foamed" rubber latex is delivered from a source of supply to a container which is suspended from a trolley movable along an overhead track. The container is moved into position adjacent any one of a series of molds, and is tilted to discharge the latex into the mold. The mold is then closed and heated to vulcanize the latex, thus forming a sponge rubber cushion. The cushion is removed by hand from the mold and placed on the supporting arm of an overhead conveyor. The conveyor moves the cushion to a point above the end of a conveyor belt, and the arm is then tripped so that the cushion falls on to the belt, and is conveyed by the belt to a washer.

The washer comprises two belts which receive the cushions between them and move them through a body of cleaning liquid. At spaced points the belts pass between pairs of rollers which hold them close together, thus squeezing the liquid from the cushions and, at points between the pairs of squeezing rollers, one belt passes over an idler roller which pulls it away from the other belt, thus allowing the cushions to expand and absorb liquid. From the washer the cushions pass to a compressor consisting of two traveling belts which squeeze the cushions between them and then pass them between the rolls of a wringer. From the wringer the cushions are moved through a drier, after which they are placed on the carriage of another overhead conveyor and transported to the finishing station where they may be trimmed, stamped or otherwise manipulated.

Appellants also provide two washers arranged side by side, each provided with its own belt conveyor, compressor, wringer, and drier. Cushions may be delivered from the molds to either of those washers, thus increasing the capacity of the assembly.

The patent to Abbott et al. discloses an apparatus for producing latex tubes. In the patentees' apparatus the mandrels on which the tubes are to be formed are moved by a conveyor through a washer to a latex tank, where they are dipped, so that the latex is deposited on the mandrel in the desired form. The conveyor then moves the rubber articles thus formed on the mandrels to a station where they are dipped in glycerine and thence to a vulcanizing station and finally to the point where the articles are stripped from the mandrels.

The patent to Pade relates to the production of inner tubes for tires. The tubes are formed from rubber sheets which are cut to size and rolled into tube form. The tubes are placed on hooks depending from an overhead conveyor and carried to a wrapping station. After being wrapped they are transported by another conveyor to carriages on which they are taken to vulcanizers. After vulcanization the tubes are moved on the carriages to an unwrapping station and thence to a finishing station.

The patent to Brown discloses an apparatus for forming rubber articles in which latex is poured into molds which are carried by a conveyor through a vulcanizer and then to a device which removes the articles from the molds.

The patent to Berthel discloses an apparatus for vulcanizing automobile tires in which the tires pass through the vulcanizing oven on a conveyor. An overhead conveyor is provided for transporting the tire molds to the position where they are to be used.

The patent to Fischer discloses an apparatus in which rubber heels are moved by a conveyor to and through a vulcanizing device and then to an unloading station.

The patents to Bryen, Spooner, and Honderich disclose conveyor devices which are designed to be tripped automatically and caused to drop their load at the desired point. In the Bryen and Honderich devices the articles carried are rubber tires.

The patent to Hayes-Gratze relates to a device for "washing or cleaning yarns, textile fabrics or the like." In one form of the apparatus disclosed by the patentee the material to be cleaned is delivered by a conveyor to the space between two traveling belts. The belts move below the surface of a cleaning liquid and pass, at intervals, between pairs of spring pressed rollers which force them together to squeeze liquid from the material. So-called "stream lined guide plates * * * arranged at the sides of and between the belts" and between the pairs of rollers force the belts apart.

The patent to Berger, No. 983,530, discloses an apparatus for dyeing loose material in which the material is transported between two belts which are first forced close to each other by pressure rollers and then separated by means of an idler roller which moves one belt away from the other. After passing over the idler roller, the first belt is again forced into a position close to the other belt by means of another roller.

The patent to Berger, No. 1,071,022, discloses a different arrangement for separating two belts which have been passed together over squeezing rollers. This patent, in our opinion, is not as pertinent as the patent to Berger, No. 983,530.

Claims 45, 46, and 47, which are directed to appellants' washing apparatus, have been rejected on the patent to Hayes-Gratze in view of either of the patents to Berger, No. 983,530 or No. 1,071,022. Each of those claims, in its introductory clause, states that the apparatus is "for finishing sponge rubber articles." Although the Hayes-Gratze patent does not mention such articles, it does mention "yarns, textile fabrics or the like." The apparatus disclosed in the patent is clearly adapted to the cleaning of a wide variety of compressible materials and, in our opinion, invention would not be involved merely in applying the patentee's apparatus to such a well known compressible material as sponge rubber.

The only structural distinction presented by claim 45 over the Hayes-Gratze patent is the statement that the belts between the pressure rollers are separated by passing one of them over an idler roller. As hereinbefore noted, in Hayes-Gratze patent, the separation is effected by guide plates at the edges of the belts. The guide plates serve the same purpose as appellants' idler roller and, moreover, the use of an idler roller for separating a similar pair of belts is disclosed in the patent to Berger, No. 983,530. We are of opinion that the substitution of such an idler roller for the guide plates disclosed in the patent to Hayes-Gratze would not involve invention.

Claim 46 adds to the combination of claim 45 the statement that the conveying elements—belts—are separated to an extent greater than the maximum free thickness of the articles being cleaned. The Hayes-Gratze patent does not specify that degree of separation but, since the purpose of the separation is to allow the material between the belts to expand and absorb liquid, it would be obvious to separate the belts to an extent at least equal to the free thickness of the material, in order to permit the greatest possible expansion and absorption. Moreover, the exact amount of separation of the belts is merely a matter of degree and does not involve invention.

Claim 47 adds to the combination of claim 45 "means for simultaneously adjusting the resistance of all of the pressure rolls." Although the patent to Hayes-Gratze does not show such an arrangement in one form of his washing apparatus in which two belts are employed, he does disclose, in another form of his device, means for simultaneously adjusting the pressure on two pairs of pressure rollers. We are of opinion that the use of such an expedient on the pressure rollers of the form of the Hayes-Gratze device in which two belts are employed would not involve invention.

Claim 14 calls for a washing device, a compressing device, and means for moving sponge rubber articles being treated, from the washer to the compressing device. That claim was rejected by the Primary Examiner on the patent to Hayes-Gratze in view of the common practice of associating wringers with washing apparatus of various kinds. The Examiner stated that "even if applicants' wringing apparatus was new, it would not amount to invention to attach it to a washing apparatus as it would be the expected thing to do."

The Board of Appeals affirmed the Primary Examiner's decision holding claim 14 unpatentable for the reasons assigned by him.

It is evident, we think, that neither the washer nor the compressor called for by claim 14 performs any new or different function by reason of the fact that it is associated with the other. The operation of the washer is not affected in any new or different way by the fact that the washed articles, after leaving it, go to appellants' specific compressor. Furthermore, the compressor performs exactly the same drying operation as in the prior art, whether the wet articles which it receives are delivered from the particular washer claimed or from some other source. We are of opinion that the tribunals of the Patent Office reached the right conclusion and that the apparatus defined in claim 14 does not involve invention.

[1] The Board of Appeals held that the various elements called for by claims 48 to 54, inclusive, did not depend upon each other in such manner as to produce a patentable combination. The Board pointed out that each of those elements was old individually, as disclosed by the prior art, and that each element merely performed its separate, old, and well known function and that those claims, therefore, merely defined aggregations of independent elements.

We are of opinion that there is no patentable coaction between the elements called for by claims 48 to 54, inclusive. Accordingly, the Board's statement that the references "are not in themselves suggestive of combining the various kinds of apparatus of the claims" is immaterial so far as the question of patentability is concerned. See *Grinnell Washing Mach. Co.* v. *Johnson Co.*, 247 U. S. 426, 254 O. G. 225.

Although the Board of Appeals rejected claims 48 to 54, inclusive, on other grounds, it is unnecessary, in view of our holding in respect to those claims, that we consider those grounds of rejection. We have given careful consideration to the issues presented by counsel for appellants but are unable to concur in their views that the appealed claims involve patentable subject matter.

[2] For the reasons stated, the decision of the Board of Appeals is affirmed.

Affirmed.

NOTICES

Notice of Cancellation

U. S. PATENT OFFICE, *Washington, D. C., Mar. 4, 1947.*

Georges Gay, his assigns or legal representatives, take notice:

A cancellation proceeding has been instituted by this Office upon the application of John T. Stanley Co., Inc., 642 West 30th St., New York, N. Y., to effect the cancellation of trade-mark registration of Georges Gay, No. 294,685, dated June 7, 1932. The assignment records of this Office show a transfer of title to this registration to Maurice Levy, 120 West 42nd St., New York, N. Y., who has been substituted for said Gay to defend the registration concerned. It is indicated upon the record on behalf of the assignee that M. Dunan, 56 Rue de L'Universite, Paris, France, is the present owner of registration No. 294,685. The Office has been unable to procure service upon said M. Dunan. Notice is hereby given that unless said Gay, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed.

Pat. 2,235,601, M. B. Andreassen, Method of shaping the skin planking of vessels, decided Feb. 12, 1947, claims 1 and 2.

Pat. 2,370,388, R. H. Herrick, Transmission system, decided Dec. 12, 1946, claims 1, 3, 4, 11, 12, and 13.

Disclaimer

2,300,157.—*George R. Hunt*, Akron, Ohio. FEATHER-PICKING APPARATUS FOR FOWLS AND THE LIKE. Patent dated Oct. 27, 1942. Disclaimer filed Feb. 26, 1947, by the inventor; the licensee, *Conrad B. Mueller*, assenting.

Hereby disclaims claim 16 of said patent.

Changes in Classification

Order No. 5207, February 7, 1947, directs:

The following changes in the classification of inventions are hereby directed to take place immediately:

IN THE MANUAL OF CLASSIFICATION:

ABOLISH SUBCLASS

In *class 148, Metal Treatment* (Division 3):

	Solid metal
	Coating
6.5	Iron
7	With heat
	Heat treatment
21.1	Aluminum and its alloys
21.2	Copper and its alloys
21.3	Magnesium and its alloys
21.4	Lead and its alloys

In *class 154, Laminated Fabric and Analogous Manufactures* (Divisions 20 and 55):

	Fabric coating and uniting
40	Processes

In *class 222, Dispensing* (Division 35):

458	**Supply containers with traps**

CHANGE SUBCLASS TITLE

In *class 68, Textiles, Fluid Treating Apparatus* (Divisions 2 and 27), the title of subclass 24 should read:

"Horizontal or non-vertical axis tumbler and centrifuge"

In *class 102, Ammunition and Explosive Devices* (Division 30), the title of subclass 26 should read:

"Plug type"

In *class 148, Metal Treatment* (Division 3), the title of subclass 21.55 should read:

"Quench hardening"

In *class 222, Dispensing* (Division 35) the title of subclass 74 should read:

"Hose or other movable discharge guide interlocks and interconnections"

the title of subclass 82 should read:

"With discharge assistant (e. g., gas pressure)"

the title of subclass 114 should read:

"With receptacle or funnel requiring separation from supply container for use."

the title of subclass 124 should read:

"Discharge assistant and coupling"

the title of subclass 135 should read:

"With discharge assistant for each source"

the title of subclass 204 should read:

"Siphon combined with discharge assistant"

the title of subclass 251 should read:

"With discharge assistant (e. g., impeller, pump, conveyor, movable trap chamber, etc.)"

the title of subclass 285 should read:

"Source and assistant relatively adjustable axially of source outlet"

the title of subclass 288 should read:

"Interchangeable, removable or selectively usable discharge assistant or element thereof"

the title of subclass 328 should read:

"With material discharge guide on container side of discharge assistant"

the title of subclass 377 should read:

"Inlet trap (e. g., sump)"

the title of subclass 466 should read:

"Plural handles"

In *class 254, Pushing and Pulling Implements* (Division 61), the title of subclass 89 should read:

"Multiple lifters (e. g., vehicle lifts)"

ESTABLISH SUBCLASSES

In *class 2, Apparel* (Division 24):

	Body garments
69.5	**Bag type (insert before Union type)**

In *class 12, Boot and Shoe Making* (Division 11):

1.5	**Lasting combined with laying and/or leveling**

In *class 69, Leather Manufactures* (Division 11):

	Machines
7.5	Searing

In *class 148, Metal Treatment* (Division 3):

	Solid metal
	Coating
6.10	Utilizing organic dyestuff
6.11	Fused bath
6.14	Liquid bath
6.15	Phosphorus containing
6.16	Chromium containing
6.17	S, Se, or Te containing
6.20	Chromium containing
6.21	S, Se or Te containing
6.24	S, Se or Te containing
6.27	Al or Mg or their alloys
6.30	Gaseous or vaporous medium
6.35	Iron or its alloys
	Cutting by heat
9.5	Desurfacing or gouging
9.6	Nicking or transverse cutting of rods or tubes
	Electrical
10.5	Surface quench hardening of iron alloys
	Working and heat treatment
	Iron and its alloys
12.1	With special compositions
12.3	With aging
12.4	With quench hardening
12.5	Silicon steel
12.7	Including age hardening
	Heat treatment
	With special compositions
	Iron and its alloys
	Fused
15.5	Case hardening
	Gaseous
16.5	Case hardening with a gas containing C
16.6	Case hardening with a gas containing N
16.7	Neutral atmosphere
	Iron and its alloys
21.54	Aging
	Quench hardening
21.56	Surface hardening
21.90	Age hardening
21.91	Aluminum alloys
21.92	Copper alloys
	Stock
31.5	Coated
	Nonferrous
32.5	Age hardened

In *class 154, Laminated Fabric and Analogous Manufactures* (Division 20):

	Miscellaneous apparatus
1.1	Pile fabric making apparatus
1.2	Plasterboard making apparatus
1.25	With cutting, perforating, surface deformation or edge treatment
1.6	Non-coextensive laminae uniting apparatus
1.7	Strand or filament laminating apparatus
1.75	Weftless fabric type
1.76	With means to apply intersecting or zig-zag strands to web
1.8	With winding, wrapping or folding means

In *class 174, Electricity, Conductors and Insulators* (Division 65):

	Conduits, cables and conductors
101.5	Buoyant

In *class 175, Electricity, General Applications* (Division 48):

381	**Timing (to follow subclass 379)**

In *class 222, Dispensing* (Division 35):

424.5	**Supply containers with traps**

MISCELLANEOUS CHANGES

On pages 253*c* (1944) and 253*d* (1944) change the column headings: "With non-gravity discharge assistant or movable trap chamber" to: *With discharge assistant (e. g., impeller, pump, conveyor, movable trap chamber, etc.)*

On page 253*d* (1944) indent subclass 425 under subclass 424.5 (established in this order) and move subclasses 426 through 457 one step of indentation to the right.

PRINCIPAL DISPOSITION OF ART FROM ABOLISHED SUBCLASSES

Abolished		Disposition	
Class	*Subclass*	*Class*	*Subclass*
148	6.5, 7, 21.1 to 21.4	148	6+ 13, 21.90 to 21.92
154	40	154	75 to 142
222	458	222	424.5

PRINCIPAL SOURCES OF PATENTS IN ESTABLISHED SUBCLASSES

Established		Sources	
Class	*Subclass*	*Class*	*Subclass*
2	69.5	2	114
		5	336. 343
12	1.5	12	1, 4, 7, 14
69	7.5	69	1
148	6.10 to 6.35	148	6, 6.5, 7
	9.5, 9.6		9
	10.5		10
	12.1 to 12.5		12
	12.7		11.5
	15.5		15
	16.6 to 16.7		16
	21.54, 21.56		21.5+
	21.90 to 21.92		21.1 to 21.4
	31.5		6+, 31, 32
	32.5		32
154	1.1	154	1
154	1.2+	154	1
154	1.6	154	1
154	1.7+	154	1
154	1.8	154	1
174	101.5	174	110+
175	381	161	1, 15
222	424.5	222	458

IN THE DEFINITIONS:

2, Apparel (Division 24)

in subclass 50, add:

Search this class, subclass—

174—for eye, ear or face shields.

establish the following subclass definition:

69.5. Garments under subclass 69 of bag form or having means to close the lower part to form a bag.

Search Class—

5—Beds, subclass 343, for sleeping bags having bed adjuncts, as a mattress, pillow, or canopy, or tent features, as windows or framework.

in subclass 209, add:

Search this class, subclass—

174—for ear shields worn during toilet operations, such as hair cutting, shampooing, etc.

5, Beds (Division 8)

in subclass 336, cancel the definition and substitute:

336. Sheetlike devices having means engaging the bed to keep them in position on the bed or to keep the sleeper covered.

under "Search this class, subclass", cancel the reference to subclass 343, and substitute:

343—for sleeping bags having bed adjuncts or features pertaining to tents or canopies.

and, under "Search Class", cancel the reference to class 128, and substitute:

2—Apparel, subclass 69.5, for sleeping bags and bag type garments including those combined with sheetlike devices, and subclass 114, for other garments combined with sheetlike devices.

128—Surgery, subclass 134, for sheetlike devices having means positively engaging the body of the sleeper and the bed also, and for sleeping bags secured to the bed.

in subclass 343, cancel the definition only and substitute:

343. A baglike structure having bed or tent adjuncts and being adapted to enclose a person in sleeping position.

(1) Note.—This subclass includes combinations of a sleeping bag with a mattress or pillow or means for receiving them, and with tent or canopy features as framework or windows.

and add:

Search Class—

2—Apparel, subclass 69.5, for other sleeping bags and bag-like garments.

128—Surgery, subclass 134, for sleeping bags having claimed means for securing them to a bed.

12, Boot and Shoe Making (Division 11):

establish the following subclass definition:

1.5 Apparatus under the class definition in which means for stretching the upper over a last is combined with (1) means for placing outsoles in position preparatory to securing and/or (2) means for pressing, shaping, or securing the outsole subsequent to positioning.

Search this class, subclass—

2+, 6, 7+—for lasting operations per se or combined with insole securing.

19.2—for sole fastening, laying and leveling.

33+—for laying and leveling per se.

in subclass 19.2 add:

Search this class, subclass—

1.5—for securing, laying and leveling combined with lasting means.

33+—for laying and leveling per se.

in subclass 33, cancel the Search Note to subclass 19.2, and substitute:

Search this class, subclass—

1.5—for laying and leveling combined with lasting means.

19.2—for laying and leveling combined with fastener inserting.

13, Electric Furnaces (Division 60)

in the main class definition, under "Search Class" in the reference to class 148, change "10" to *10+*.

15, Brushing, Scrubbing, and General Cleaning (Division 27)

in subclass 104.03 under "(3) Search Classes" add in numerical order:

134—Cleaning and Liquid Contact with Solids, subclass 166+, for hollow work cleaners there provided for.

in subclass 256.5, under "Search Class" in the reference to class 267, after "subclasses" add *1,*.

16, Miscellaneous Hardware (Division 20)

in subclass 110, add the following:

(0.5) Note.—The inclusion of the structure of a handle shaft will not exclude a patent from classification in this subclass.

and under "(14) Search Class" add:

306—Tool-Handle Fastenings, appropriate subclasses, for the joint between a handle shaft and its connection with a named hand manipulable tool.

in subclass 112, after "hand-grips." insert:

or bars which are swingably mounted.

17, Butchering (Division 2)

in subclass 8, add:

Search Class—

294—Handling, Hand and Hoist-Line Implements, appropriate subclasses, for hand manipulable devices of general application for holding fish to be scaled.

21, Preserving, Disinfecting and Sterilizing (Division 44)

in the main class definition, section III of the notes, in the reference to class 148, after "Metal Treatment," insert *subclass 6+,*.

23, Chemistry (Division 59)

in subclass 293, under "(3) Search Classes" cancel the reference to class 83, Mills.

29, Metal Working (Divisions 13, 14)

in subclass 180, under "Search Class" in the reference to class 109, Safes, Bank Protection and Related Devices, change "85" to *78+*,

in subclass 191, add:

Search Class—

109—Safes, Bank Protection and Related Devices, subclass 85, for penetration resistant wall structures which have been fabricated by joining a plurality of component stock materials.

in subclass 284, under "Search Class" in the reference to class 214, Material or Article Handling, add:

See the main class definition of class 214, Note (18).

30, Cutlery (Division 53)

in the main class definition, under "(4) Cutting by Heat" in the reference to class 148, Metal Treatment, change "9" to *9+*.

in subclass 126, add:

Search Class—

164—Cutting and Punching Sheets and Bars, subclass 84.5, and the notes thereto, for mechanisms for tearing tapes wound in roll form.

33, Geometrical Instruments (Division 62)

in subclass 125, under "Search Class" add in numerical order:

73—Measuring and Testing, subclass 36, for measuring devices in which fluid pressure or fluid flow is used in the measurement or test.

36, Boots, Shoes and Leggings (Division 11)

in subclass 22, cancel "16, 17, 18 and 19." and substitute:

12, 14 and 16 to 19.5 for prepared soles associated with structure of shoe uppers.

in subclass 30, cancel the notes and substitute:

Search this class, subclass—

26—for soles lined with fleece as in the ordinary house slipper.

44—for innersoles made up of several layers of material.

in subclass 44, add:

Search this class, subclass—

26—for soles lined with fleece as in the ordinary house slipper.

30—for soles made up of several layers of material.

in subclass 78, in the note, cancel "17." and substitute:

12+ for welts combined with structure of the upper, particularly subclass 17 for Goodyear welt shoes.

62, Refrigeration (Division 44)

in subclass 8, add:

Search this class, subclass—

126 and 127—for expanders.

68, Textiles, Fluid Treating Apparatus (Divisions 2, 27)

in subclass 24, after "horizontal" insert: *or non-vertical*

69, Leather Manufactures (Division 11)

establish the following subclass definition:

7.5 Machines for searing leather.

(1) Note.—This subclass includes machines which sear leather for the purpose of causing the edge of the leather to shrink and curl to produce a finished edge.

Search Class—

219—Electric Heating, for electric heaters.

263—Heating, for miscellaneous heating apparatus and methods in general.

75, Metallurgy (Division 3)

in subclass 59, in the Note, change "16" to *16+*,

in subclass 136, in "(1) Note" change "6" to *6+*.

81, Tools (Division 29)

in subclass 54, add:

Search Class—

255—Earth Boring, subclass 35, for machine wrenches specially adapted for gripping and turning sections of well casing or well tools.

86, Ammunition and Explosive-Charge Making (Division 35)

in subclass 20, cancel the definition and search note and substitute:

20. Apparatus and processes for (1) filling and ramming fireworks, (2) placing the bursting charge in projectiles, or (3) placing, tamping and/or priming charges in blast holes, to be fired as blasts.

Search Class—

102—Ammunition and Explosive Devices, subclasses 21.4, for well torpedoes with tamping means, and 22+, for apparatus and processes for blasting, including plugs for closing blast holes.

in subclass 21, cancel the definition and substitute:

21. Hand supported and operated devices under subclass 20.

88, Optics (Division 7)

in subclass 14, cancel (3) Note, and substitute:

(3) Note.—Search class 250, Radiant Energy, subclass 41.5, for apparatus having a photo-electric cell and means to hold a sample or device between the photo-electric cell and a source of light, and subclass 42 for testing instruments for various purposes utilizing X-ray or other invisible radiant energy rays.

101, Printing (Division 17)

in subclass 127, under "Search Classes" in the reference to class 41, before the period insert: ***and subclass 46 for mechanical negatives.***

102, Ammunition and Explosive Devices (Division 30)

in the main class definition, insert:

(0.5) Note.—For guns, and gun-ammunition combinations, see classes 42, Firearms, and 89, Ordnance.

in subclass 21.4, under "Search this class, subclass" cancel the matter and substitute:

26—for plug-type blasting cartridges.

30—for plugs used to close blast holes.

in subclass 22, in (1) Note, cancel "tamps" and substitute: ***plugs***

also cancel (2) Note and (3) Note, and substitute:

Search this class, subclass—

8+—for mines.

20+—for well torpedoes.

Search Class—

37—Excavating, subclass 18, for railway snow excavators of blasting type.

86—Ammunition and Explosive-Charge Making, subclass 20+, for apparatus and processes for placing, tamping, and/or priming charges in blast holes to be fired as blasts.

in subclass 23, cancel (2) Note.

in subclass 30, in (1) Note, insert before "blasting", ***plug type***

and cancel "having plug means".

108, Roofs (Division 33)

in subclass 26 add:

Search Class—

72—Masonry and Concrete Structures, subclass 127, for through wall flashings.

109, Safes, Bank Protection and Related Devices (Division 20)

in subclass 78, add:

Search Class—

29—Metal Working, subclass 180+, for metal stock.

in subclass 82, add:

Search Class—

29—Metal Working, subclass 195, for composite metal stock comprising two or more adjacent metallic layers having an additional non-metallic layer.

in subclass 85, add:

Search Class—

29—Metal Working, subclasses 191+ and 194+ for compound metal stock in which the several component parts are fused, welded or otherwise attached along a common continuous inter-face.

110, Furnaces (Division 19)

in subclass 22, insert the following note:

(2.5) Note.—This subclass includes, for example, torches which burn both solid and fluid fuels.

and under "(3) Search Classes" in the reference to class 158, after "subclasses" add:

and subclass 27.4, in particular, for cutting torches utilizing a fluid adjuvant material.

also add in numerical order:

266—Metallurgical Apparatus, subclass 23, for organizations for cutting metal involving more than a mere burner.

in subclass 184, under "(2) Search Classes" in the reference to class 72, change "16" to *90* and cancel: "and large metal stacks."

117, Coating; Processes and Miscellaneous Products (Division 38)

in the main class definition, Section I of the notes, in the reference to class 148, change "subclasses 6 and 7" to *subclass 6+* and cancel the second sentence,

in subclass 49, cancel (4) Note, and substitute:

(4) Note.—See class 148, Metal Treatment, subclass 6+, and the definitions thereof for reactive treatment of a metal base.

128, Surgery (Division 55)

in subclass 134, at the end of the definition add:

Garments and sleeping bags having means to secure them to a fixed support, as a bed, and bed covers having means secured to the body and to the bed are included.

Search Class—
- **2**—Apparel, subclass 69.5, for sleeping bags and baglike garments.
- **5**—Beds, subclass 336, for sheets secured to the bed but not secured to the body, and subclass 343, for sleeping bags having bed adjuncts.

134, Cleaning and Liquid Contact with Solids (Division 27)

in the main class definition, in the notes, "(5) Index to Preceding Notes and", under "Search Class" cancel the reference to class 83, Mills,

in subclass 137, add:

Search Class—
- **51**—Abrading, subclass 163 + and see the reference to class 51 in (5) Note of the main class definition of this class (134).

in subclass 166, under "Search Class" add in numerical order:
- **15**—Brushing, Scrubbing, and General Cleaning, subclass 104.03 +, for pipe and tube cleaners there provided for.

148, Metal Treatment (Division 3)

in subclass 6, rewrite the subclass definition and notes as follows:

6. Processes and compositions for producing a reactive coating on solid metal. The coating is a metallic compound in which an element of the same is supplied by the solid metal.

(1) Note.—This and the indented subclasses include processes for reactively coating a metal base even though the base is itself a metal coating on a metal or non-metal base.

(2) Note.—This and the indented subclasses do not include case hardening i. e., carburizing or nitriding compositions or processes.

(3) Note.—This subclass includes processes and compositions employing solid materials.

Search this class, subclass—
- **15.5**—for case hardening processes utilizing a fused bath.
- **16.5**—for carburizing with gaseous material.
- **16.6**—for nitriding with gaseous material.
- **27, 28**—for nitriding compositions.
- **30**—for carburizing compositions.
- **31.5**—and the notes thereto for metal stock resulting from the processes of or treatment with the compositions of this and the indented subclasses.

Search Class—
- **106**—Compositions, Coating or Plastic, appropriate subclasses and the notes of the main class definition for coating compositions in general.
- **117**—Coating; Processes and Miscellaneous Products, appropriate subclasses 49 +, 74, 75, 79, 89, 97, 99, 114, and 127 + for coating processes applied to metal where the metal base does not react to supply an ingredient of the coating.
- **204**—Chemistry, Electrical and Wave Energy, subclass 14 +, for the electrolytic formation of coatings on metals and subsequent reactive treatment after coating.

abolish the definition of subclass 6.5,

establish the following subclass definitions:

6.10. Processes or compositions under subclass 6 utilizing an organic dyestuff.

(1) Note.—In many of these patents the dyestuff is applied simultaneously with the reactive coating material.

Search Class—
- **8**—Bleaching and Dyeing; Fluid Treatment and Chemical Modification of Textiles and Fibers, for dyeing in general.

6.11. Processes or compositions under subclass 6 wherein the reactive material is employed in the molten state.

Search this class, subclass—
- **15 +**—for heat treating or case hardening processes utilizing a fused bath and subclasses 27, 28 and 30 for heat treating or case hardening fused baths.

6.14. Processes or compositions under subclass 6 wherein the reactive material is employed in a liquid condition.

6.15. Processes or compositions under subclass 6.14 wherein the liquid bath contains phosphorus.

6.16. Processes or compositions under subclass 6.15 wherein the liquid bath also contains chromium.

(1) Note.—For example, chromic acid sealing baths with phosphate coatings may be found here.

6.17. Processes or compositions under subclass 6.15 wherein the liquid bath also contains sulphur, selenium or tellurium.

(1) Note.—In many of the patents sulphuric acid is added to the bath. Some of the patents include a sulphur containing wetting agent.

6.20. Processes or compositions under subclass 6.14 wherein the liquid bath contains chromium.

Search this class, subclass—
- **6.16**—for compositions containing both chromium and phosphorus.

6.21. Processes or compositions under subclass 6.20 wherein the liquid bath also contains sulphur, selenium or tellurium.

6.24. Processes or compositions under subclass 6.14 wherein the liquid bath contains sulphur, selenium or tellurium.

Search this class, subclass—
- **6.17** and **6.21**—for other compositions containing S, Se or Te.

6.27. Processes or compositions under subclass 6.14 wherein the liquid bath reacts with a metal base which is aluminum or magnesium or their alloys.

6.30. Processes or compositions under subclass 6 wherein the reactive material is applied to the metal base in a gaseous or vaporous condition.

Note.—This subclass includes, for example, the heating of a metal in air or other atmosphere whereby a compound of the metal, e. g., oxide, is formed.

Search this class, subclass—
- **16 +**—for heat or case hardening treatments of metal wherein a gaseous or vaporous treating agent is employed.

6.35. Processes or compositions under subclass 6.30 wherein the metal base is iron or an alloy thereof.

abolish the definition and notes of subclass 7,

in subclass 9, add:

Search Class—
- **266**—Metallurgical Apparatus, subclass 23, for corresponding apparatus.

establish the following subclass definitions

9.5. Processes under subclass 9 for gouging or removing a surface or portion thereof.

9.6. Processes under subclass 9 directed to the nicking or transverse cutting of rods or tubes.

10.5. Processes under subclass 10 for surface hardening of an iron alloy wherein the surface of the metal is heated by electrical means, e. g., induction heating means.

(1) Note.—for the definition of "quench hardening," see the definition of subclass 21.55.

Search this class, subclass—
- **21.56**—for other surface quench hardening processes.

12.1. Processes under subclass 12 wherein the heat treatment utilizes a special composition.

Search this class, subclass—
- **14 +**—for heat treatment per se utilizing special compositions.

12.3. Processes under subclass 12 which include aging.

(1) Note.—For a definition of "aging" see the third sentence of Note (1) to the definition of subclass 21.90.

12.4. Processes under subclass 12 which include quench hardening.

(1) Note.—For the definition of "quench hardening", see the definition of subclass 21.55.

12.5. Processes under subclass 12 wherein the iron alloy is a silicon steel.

12.7. Processes under subclass 11.5 which include "age hardening."

(1) Note.—For the definition of "age hardening", see the notes to the definition of subclass 21.90.

in subclass 13, note 1, change "11.5 and 12" to: *and 11.5 +*, and add the following note.

(4) Note.—See subclass 21.90 + for solution heat treatment whether or not combined with aging.

in subclass 13.1 cancel: "for effecting some change . . . . thereof."

establish the following subclass definitions:

15.5. Processes under subclass 15 which are directed to case hardening.

(1) Note.—By "case hardening" is meant a process wherein carbon and/or nitrogen is introduced into the metal.

16.5. Processes under subclass 16 for case hardening with a gas containing carbon.

16.6. Processes under subclass 16 for case hardening with a gas containing nitrogen.

16.7. Processes under subclass 16 wherein protective atmospheres are employed such as those which are neutral in character or merely exert a reducing action on the scale, e. g., bright annealing.

in subclass 18, cancel the note,

abolish the definitions and the notes of subclasses 21.1, 21.2, 21.3 and 21.4,

establish the following subclass definitions:

21.54. Processes under subclass 21.5 which include aging.

(1) Note.—For the definition of "aging" see the third sentence of note 1 to the definition of subclass 20.1.

Search this class, subclass—
- **12.3**—for the aging of iron alloys combined with metal working.
- **21.55 +**—for processes wherein the hardening is effected solely on cooling by transforming austenite directly to harder forms (martensite, bainite, etc.).

rewrite the definition and notes of subclass 21.55 as follows:

21.55. Processes under subclass 21.5 in which the metal is hardened, on cooling, solely by transforming austenite directly into harder forms, e. g., martensite, bainite, etc. This is usually effected by quenching the metal with a conventional medium, e. g., oil broadly, air or water in some particular way.

Search this class, subclass—
- **12.1** and **14 +**—for processes employing a particular quenching medium.
- **12.3** and **21.54**—for aging of iron alloys whether or not combined with quench hardening.
- **12.4**—for quench hardening combined with metal working.

establish the following subclass definitions:

21.56. Processes under subclass 21.55 for surface quench hardening. Usually the surface to be hardened is heated by direct contact with a flame.

Search this class, subclass—
- **10.5**—for surface quench hardening process utilizing electrical heating means.

21.90. Processes under subclass 13 which include age hardening.

(1) Note.—Age hardening consists of a solution heat treatment followed by aging. By "solution heat treatment" is meant a heat treatment of an age hardenable alloy to produce a solid solution of the hardening constituent generally followed by quenching to retain the solid solution. By "aging" is meant a process wherein the alloy in the solid solution state is maintained for a considerable length of time at a given temperature or temperature range in order to develop hardness therein and additionally includes those processes wherein the heat treatment is continued beyond the point of maximum hardness, as, for example, spheroidization treatments.

(2) Note.—This subclass also includes patents limited to solution heat treatment or aging.

Search this class, subclass—
- **12.7**—for age hardening combined with metal working.

21.91. Processes under subclass 21.90 applied to aluminum alloys.

21.92. Processes under subclass 21.90 applied to copper alloys.

in subclass 27, cancel the note and add:

Search this class, subclass—
- **13.1 +**—for heat treatment processes utilizing special compositions.

Search Class—
- **252**—Compositions, for heat exchange compositions per se not involving a chemical action on the metal base.

in subclass 28, singularize "subclasses" and cancel: "and 21."

in subclass 31, insert the following note:

(1) Note.—The line between the metal stock in this and the indented subclasses and the alloys in class 75, Metallurgy, is governed by the alloy rule stated in subclass 122 of class 75. In other words, a stock defined in terms of physical or chemical properties is regarded as being an article for purposes of classification so that patents containing a claim to an alloy per se and a claim to such an alloy which additionally claims physical or chemical properties, e. g., age hardness, are originally classified in class 75 and cross referenced to the appropriate stock subclass in class 148. Also as between classes 75 and 148, patents containing a claim to an alloy classifiable in class 75 and a claim to a class 148 process for treating the alloy, are also classified as originals in class 75, whether or not there is a claim present to the metal stock resulting from such process, and cross referenced appropriately.

establish the following subclass definitions:

31.5. Stock under subclass 31 having a coating thereon.

Search this class, subclass—
- **6 +**—for compositions specialized for reaction with a metal base or processes utilizing the same.

Search Class—
- **29**—Metal Working, subclasses 191 + and 194 + for metal stock including two adjacent metal layers.
- **117**—Coating; Processes and Miscellaneous Products, appropriate subclasses, for other coated metal stock.

32.5. Stock under subclass 32 which has been subjected to age hardening.

(1) Note.—For the definition of "age hardening", see the notes to the definition of subclass 20.1.

150, Cloth, Leather, and Rubber Receptacles (Division 29)

in subclass 28, add:

Search Class—
- **41**—Ornamentation, subclass 34, for ornamental structures there provided for, some of which are disclosed as used as handbag fabrics.

152, Resilient Tires and Wheels (Division 45)

in subclass 217, in the definition, cancel: "a device, generally"

154, Laminated Fabric and Analogous Manufactures (Divisions 20, 55)

establish the following subclass definitions:

1.1. Apparatus under subclass 1 for preparing products surfaced with pile, tufts, or projecting filaments or strands.

Search this class, subclass—
- **1.7 +**—for other strands and filament laminating apparatus.
- **76 +**—for corresponding processes.

Search Class—
- **26**, Textiles, Cloth Finishing; **28**, Textiles; **39**, Gates; **57**, Textiles, Spinning, Twisting and Twining; **66**, Textiles, Knitting—appropriate subclasses for pile fabric making apparatus in which the strands or filaments are attached to the backing by some means other than adhesive.
- **91**—Coating, subclass 8, for apparatus for the random application of fibers to a base.

1.2. Apparatus under subclass 1 for making laminated bodies having a lamina or interlayer of inorganic cementitious material.

Search this class, subclass—
- **86 +**—for corresponding processes.

Search Class—
- **18**—Plastics, appropriate subclasses, particularly subclasses 10, 12 +, 19 and 35, for similar molding apparatus involving no laminating.
- **25**—Plastic Block and Earthenware Apparatus, subclass 41 +, for plasterboard molding apparatus including no significant laminating means.
- **34**—Drying and Gas or Vapor Contact with Solids, appropriate subclasses, for plasterboard drying apparatus.
- **91**—Coating, for apparatus for making plasterboard by coating means and not including molding or laminating means.
- **92**—Paper Making and Fiber Liberation, appropriate subclasses, for apparatus for forming sheets of fibrous material by operations of the type therein provided for.

1.25. Apparatus under subclass 1.2 including means to (1) cut, (2) perforate, (3) deform the surface of, or (4) treat the edge portions of, the plasterboard.

Search this class, subclass—
- **87**—for plasterboard making processes including surface deformation or edge treatment.

Search Class—
- **164**—Cutting and Punching Sheets and Bars, appropriate subclasses, for plasterboard cutting and punching apparatus per se.

1.6. Apparatus under subclass 1 comprising means for uniting laminae of non-coextensive area.

Search this class, subclass—
  36—for similar devices but in which the laminae are flexible.
  41—for fabric covering affixing.
  118—for corresponding processes.

1.7. Apparatus under subclass 1 for associating strands together or to a base.

Search this class, subclass—
  1.1—for pile fabric making apparatus involving strand or filament lamination.
  16 +—for ball making apparatus involving strand lamination.
  76 +—for pile fabric making processes involving adhering projecting filaments or strands to a base.
  90—and the notes thereto, for corresponding processes.

1.75. Apparatus under subclass 1.7 for adhesively associating unwoven substantially parallel strands to form a fabric.

Search this class, subclass—
  92—for corresponding processes.

1.76. Apparatus under subclass 1.7 provided with means to apply strands to a web in such a manner that individual strands follow a zig-zag path or intersect the paths of other strands.

1.8. Apparatus under subclass 1 including a significant means to laminate by winding, wrapping, or folding operations.

Search this class, subclass—
  117—for corresponding processes.

in subclass 2.21, (6) Note, change "84, 90, 95 and 155.41" to: *90, 95, 25.10, 148, 155.41, 200, and 284,*
and change "84", last occurrence, to read *203,*
abolish subclass 40,
in subclass 76, add the following:

Search this class, subclass—
  1.1—for corresponding apparatus.

in subclass 86, under "Search this class, subclass" add in numerical order:
  1.2 +—for corresponding apparatus.

in subclass 90, under "Search this class, subclass" add in numerical order:
  1.7 +—for corresponding apparatus.

in subclass 92, add:

Search this class, subclass—
  1.75—for corresponding apparatus.

in subclass 117, under "Search this class, subclass" add in numerical order:
  1.8—for corresponding apparatus.

in subclass 118, under "Search this class, subclass" add in numerical order:
  1.6—for corresponding apparatus.

158, Liquid and Gaseous Fuel Burners (Division 19)

in subclass 27.4, under "(2) Search Class" add in numerical order:
  110—Furnaces, subclass 22, for torches which burn both solid and fluid fuels.

160, Closures, Partitions and Panels, Flexible and Portable (Division 53)

in subclass 34, cancel "130" and substitute *166*, and add:

Note.—The hood, canopy, shield or storage chamber must house more than the mere operating or adjusting means to justify classification in this subclass.

161, Time-Controlling Mechanism (Division 61)

in the main class definition, under "Search Class" add in numerical order:
  172—Electricity, Motive Power, subclass 245, for electrical timing apparatus where phase difference in electrical circuits is measured as angular phase difference, or the like (e. g., power factor).
  175—Electricity, General Applications, subclass 381, for electrical time controlling apparatus and systems where the time intervals are measured solely by electrical means. In class 175, the sensing means which controls the operation of the timing apparatus or system may be mechanical, electrical, optical or acoustical, if the timing means is solely electrical. If the timing apparatus is not solely electrical, the patent will be classified in class 161, even though the sensing means which controls the operation of the timing apparatus is electrical. Where the time interval measuring means is broadly recited, the patent is classified in class 161, even though the sensing means is electrical. Subclass 381 of class 175 includes electrical timing apparatus for measuring phase difference in electrical circuits by electrical means where the phase is indicated in horologcial units, i. e., in micro-seconds or the like, rather than merely as angular phase difference, or the like.
  250—Radiant Energy, subclass 1.50 + and the classes specified in the notes to the definition of those subclasses for radiant energy systems having means to transmit radiant energy to a distant object and to receive the energy reflected from the object, the system including means to measure the time interval between the transmission and the reception of the energy.

164, Cutting and Punching Sheets and Bars (Division 57)

in subclass 84.5 add:

Search Class—
  206—Special Receptacles and Packages, subclasses 52 to 55, inclusive.

174, Electricity, Conductors and Insulators (Division 65)

in subclass 8, insert:

(4.5) Note.—See this class, subclass 101.5 for gas filled or vacuum spaces to merely make conduit or cable structures buoyant.

in subclass 24, insert:

(5.5) Note.—See this class, subclass 101.5, for buoyant conduits, cables and conductors.

in subclass 50, under "(7) Search Classes" add at the end of the reference to class 175:

"the switchboard subclasses in class 175 are the miscellaneous subclasses for panels, boxes and mounting means for miscellaneous electrical apparatus where no characteristics of the apparatus, such as the circuit connections, are claimed limiting the apparatus to a particular art. Where a box or housing is claimed containing a plurality of diverse types of apparatus, even though the apparatus is recited by name only, the patent is excluded from class 174 and will be found in class 175."

establish the following subclass definition:

101.5. Structures under subclass 68 constructed to float on water.

(1) Note.—Structures herein usually include tubes or cells filled with a light weight fluid or a vacuum.

Search this class, subclass—
  8 +—for structures utilizing a fluid or vacuum for other purposes.
  126 +—for mere hollow conductors.

in subclass 131, add:

Search this class, subclass—
  101.5—for buoyant cable structures having interior wall supports.

188, Brakes (Division 47)

in subclass 172, add:

Search Class—
  192—Clutches and Power-Stop Control, subclass 2, for other types of combined electric motor and brake combinations.

192, Clutches and Power-Stop Control (Division 12)

in subclass 2, under "Search Class" add:
  188—Brakes, subclass 172, for spring pressed, electrically released electrical motor brakes so arranged that the motor and brake have a common circuit.

204, Chemistry, Electrical and Wave Energy (Division 56)

in the main class definition, (14) Note, change "10" to *10 +*,
in subclass 140, in the Note, change "10" to *10 +*.

206, Special Receptacles and Packages (Division 40)

in subclass 34, in the note, change "27 and 32" to read: *29 and 33.5,*
in subclass 41.1, under (3) Note, change "221" to read: *222.*

210, Liquid Separation or Purification (Division 49)

in subclass 24, rewrite (4) Note as follows:

(4) Note.—For the exchange material per se, see the appropriate compound or composition class providing therefor, particularly class 23, Chemistry, subclass 110, for zeolites and class 252, Compositions, subclass 175 + for water-softening compositions (subclass 179 being limited to those containing a base exchange material), subclass 189 + for anion exchange material not limited to use with water and subclass 193 for base exchange material not limited to use with water.

214, Material or Article Handling (Division 4)

in the main class definition, under "(16) Search Classes" add in numerical order:
  29—Metal Working, subclasses 284 +.

and add as follows:

(18) Note.—For handling where manipulation during the progress of manual work is involved or for handling including the engagement of more than one part to aid in manual assembly of such parts, see class 29, Metal Working, subclasses 284 +. The fact that the article handled is assembled manually with an abutting receiver will not exclude a handling mechanism from class 214.

219, Electric Heating (Division 60)

in subclass 1, under "Search Class" in the reference to class 148, change "10" to *10 +*.

220, Metallic Receptacles (Division 40)

in subclass 36, add:

Search Class—
  268—Closure Operators, for combined closure operators and fasteners, when no receptacle structure is claimed beyond that necessary to locate the operating and latching means.

in subclass 47, under "Search Class" add:
  268—Closure Operators, for combined closure operators and fasteners, when no receptacle structure is claimed beyond that necessary to locate the operating and latching means.

222, Dispensing (Division 35)

in the main class definition under "Explanation of Main Class Definitions and Notes:" change: "10: Non-gravity discharge assistants and movable trap chambers" to: *10: Discharge assistants (e. g., impellers, pumps, conveyors, movable trap chambers, etc.).*
in Section 5, (II) Magazine Type, under "Search Class" in the reference to class 206, change "57 +,". to *57 and 58,*,
in Section 10, change the title to read:

"Discharge assistants (e. g., impellers, pumps, conveyors, movable trap chambers, etc.)"

in the first paragraph cancel "non-gravity" and also cancel the last sentence,
cancel the second paragraph,
in the third paragraph after "mechanical" insert: *and fluid current,*
after paragraph 3 insert the following:

Movable trap chambers are devices which, when moved to one position, receive material from a supply and, when moved to another position, discharge the trapped material. These may act against or with gravity, sometimes offering no assistance to discharge except the physical separation of a portion of the material, and its confinement and control during downward movement, but they were found so closely related to non-gravity discharge assistants as to cause it to be advisable to associate the two in the classification (e. g., many movable trap chambers were, in addition, mechanical conveyors).

in the fourth paragraph cancel "non-gravity" and "or movable trap chamber",
in the fifth paragraph cancel "non-gravity" and "or movable trap chambers",
under Section 11, paragraph 2, change "non-gravity" to *other,*
in Section 19, fourth paragraph, cancel "non-gravity" and "or movable trap chamber",
in Section 21, cancel "non-gravity",
in subclass 4 (1) Note, cancel "non-gravity",
in subclass 11, in the definition, cancel "non-gravity" and under "Search this class, subclass" cancel "non-gravity",
in subclass 14, under "Search this class, subclass" in the reference to 282 +, cancel "non-gravity",
in subclass 72, under "Search this class, subclass", cancel "non-gravity" and "or movable trap chamber",
in subclass 74, under "Search this class, subclass" in the reference to 320 +, cancel "or movable trap chamber",
in subclass 80, under (2) Note, after "punch", insert *or rupturing means* and before the period insert *or frangible closures,*
in subclass 82, in the definition, cancel "non-gravity", and under "Search this class, subclass" in the reference to 251 +, cancel "non-gravity",
in subclass 83, under (2) Note, after "cutting", second occurrence, delete the comma,
in subclass 109, under "Search this class, subclass" in the reference to 318, cancel "non-gravity",
in subclass 112, in the definition, cancel "non-gravity",
in subclass 114, in the definition, change "dispenser" to *supply container,* and in (1) Note, all occurrences change "dispenser" to *supply container.*
in subclass 115, in the definition, change "dispenser" to *supply container,*
in subclass 116, in the definition, correct the spelling of *conical,*
in subclass 117, in (1) Note, cancel "non-gravity",
in subclass 118, under "Search this class, subclass" in the reference to 318, cancel "non-gravity",
in subclass 124, in the definition, cancel "non-gravity" and under "Search this class, subclass" cancel "non-gravity",
in subclass 127, in the definition, cancel "non-gravity", and under "Search this class, subclass" in the reference to 251 +, cancel "non-gravity",
in subclass 129, in (2) Note, cancel "non-gravity",
in subclass 130, under "Search this class, subclass" in the reference to 325 +, cancel "non-gravity" and "or movable trap chambers",
in subclass 134, under "Search this class, subclass" in the reference to 267 +, cancel "or movable trap chambers", and in the reference to 282 +, cancel "or movable trap chambers",
in subclass 135, in the definition, cancel "non-gravity" and "or movable trap chamber" and under "Search this class, subclass" cancel "non-gravity" and "or movable trap chamber",
in subclass 136, in the definition, cancel "non-gravity",
in subclass 137, in the definition, cancel "non-gravity", and in (1) Note, cancel "non-gravity",
in subclass 138, in the definition, cancel "non-gravity",
in subclass 146, under "Search Class" in the reference to 257, Heat Exchange, cancel: "subclasses 155 +, for mortar mixers with heating or cooling means.", and add in numerical order:
  259—Agitating, subclasses 155 +, for mortar mixers with heating or cooling means.

in subclass 148, in (1) Note, cancel "non-gravity",
in subclass 149, under "Search this class, subclass" in the reference to 322, cancel "non-gravity" and "or movable trap chamber",
in subclass 152, in (2) Note, after "given" insert *off by,*
in subclass 160, in (1) Note, cancel "non-gravity" and "or movable trap chamber", both occurrences, and under "Search this class, subclass" in the reference to 282 +, cancel "non-gravity" and "or movable trap chambers",
in subclass 163, under "Search this class, subclass" cancel "non-gravity" and "or movable trap chamber",
in subclass 192, in the definition, cancel "non-gravity", and in (2) Note, cancel "Non-gravity",
in subclass 193, under "Search this class, subclass" add:
  464—for dispensers comprising a container and internally extending outlet pipe so arranged that suction is necessary to cause discharge, no suction means being claimed.

in subclass 204, in the definition, cancel "non-gravity", and in (1) Note, cancel "non-gravity",
in subclass 205, in the definition, cancel "non-gravity", and in (1) Note, cancel "non-gravity", both occurrences,
in subclass 206, in the definition, before the comma, insert: *to expel material,*
in subclass 208, under "Search this class, subclass" in the reference to 374, cancel "non-gravity",
in subclass 210, under "Search this class, subclass" in the reference to 323 +, cancel "non-gravity",

in subclass 226, in the definition, cancel "non-gravity", both occurrences, and cancel "or movable trap chamber", first occurrence only, under "Search this class, subclass" in the reference to 251 +, cancel "non-gravity" and in the reference to 252 +, cancel "or movable trap chambers",

in subclass 232, in the definition, cancel ", movable trap chamber",

in subclass 243, under "Search this class, subclass" in the reference to 275 +, cancel "or trap chambers",

in subclass 251, in the definition, cancel "non-gravity . . . . definition." and substitute:

"discharge assistants, as impellers, pumps, conveyors, or movable trap chambers, as defined in section 10 of the main class definition."

and under "Search this class, subclass" in the reference to 173 +, cancel "movable trap chamber or", and also add in numerical order:

464—for dispensers comprising a container and internally extending outlet pipe so arranged that suction is necessary to cause discharge, no suction means being claimed.

in subclass 252, in the definition, cancel "non-gravity" and "and/or movable trap chambers",

in subclass 254, in the definition, cancel "and/or movable trap chambers",

in subclass 256, in the definition, cancel "non-gravity", and in (2) Note, cancel "Non-gravity",

in subclass 257, under "Search this class, subclass" in the reference to 320 +, cancel "non-gravity" and "or movable trap chamber", and in the reference to 492 +, cancel "non-gravity" and "or movable trap chambers",

in subclass 258, under "Search this class, subclass" in the reference to 261, cancel "or movable trap chambers",

in subclass 263, in the definition, cancel "and/or movable trap chambers",

in subclass 265, in the definition cancel "or movable trap chambers", and in (1) Note, cancel "or movable trap chamber", also in (2) Note, cancel "or movable trap chambers",

in subclass 266, in the definition, cancel "or movable trap chambers", and under "Search this class, subclass" in the reference to 278 +, cancel "or movable trap chambers",

in subclass 267, in the definition, cancel "or movable trap chambers",

in subclass 269, in the definition, cancel "or movable trap chambers", and under "Search this class, subclass" in the reference to 270, cancel "or movable trap chamber",

in subclass 270, under "Search this class, subclass" in the reference to 269, cancel "or movable trap chamber", and in the reference to 328, cancel "or movable trap chambers",

in subclass 271, in the definition, cancel "or trap chambers",

in subclass 275, in the definition, cancel "or movable trap chambers", and under "Search this class, subclass" in the reference to 409, cancel "non-gravity",

in subclass 278, in the definition, cancel "or movable trap chambers",

in subclass 279, in the definition, cancel "or movable trap chamber",

in subclass 282, in the definition, cancel "non-gravity" and "or movable trap chamber", under "Search this class, subclass" in the reference to 266, cancel "or movable trap chambers," in the reference to 267 +, cancel "or movable trap chambers", and in the reference to 278, cancel "or movable trap chambers",

in subclass 285, in the definition, cancel "or movable trap chamber" and "or trap chamber",

in subclass 286, in the definition, cancel "or trap chamber",

in subclass 287, in the definition, cancel "or movable trap chamber",

in subclass 288, in the definition, cancel "or movable trap chamber", and in (1) Note, cancel "or movable trap chamber",

in subclass 310, under "Search this class, subclass" cancel "non-gravity", and "or movable trap chamber",

in subclass 311, in the definition, cancel "non-gravity", and under "Search this class, subclass" in the reference to 410 +, cancel "non-gravity",

In subclass 318, under "Search this class, subclass" in the reference to 330 +, cancel "non-gravity" and "or movable trap chambers", and in the reference to 424, cancel "or movable trap chambers",

in subclass 320, in the definition, cancel "or movable trap chamber", both occurrences, and under "Search this class, subclass" in the reference to 526 +, cancel "or movable trap chambers",

in subclass 321, in the definition, cancel "or movable trap chamber", and under "Search this class, subclass", cancel "non-gravity" and "or movable trap chamber",

in subclass 322, under "Search this class, subclass" in the reference to 501, cancel "non-gravity" and "or movable trap chambers",

in subclass 323, under "Search this class, subclass" in the reference to 441, cancel "non-gravity" and "or movable trap chamber",

in subclass 324, in the definition, cancel "or movable trap chamber",

in subclass 328, in the definition, cancel "or movable trap chamber", and under "Search this class, subclass" in the reference to 270, after "related" insert *to*, and cancel "and movable trap chambers",

in subclass 329, in the definition, cancel "or trap chambers",

in subclass 330, in the definition, cancel "non-gravity", and under "Search this class, subclass" in the reference to 478 +, cancel "or movable trap chamber",

in subclass 331, in (1) Note, cancel "non-gravity",

in subclass 333, under "Search this class, subclass" in the reference to 252 +, cancel "non-gravity",

in subclass 335, in the definition, cancel "non-gravity",

in subclass 338, in the definition, cancel "or movable trap chamber",

in subclass 342, under "Search this class, subclass" in the reference to 194, cancel the comma, second occurrence,

in subclass 343, under "Search this class, subclass" cancel "and movable trap chambers",

in subclass 345, under "Search this class, subclass" in the reference to 148 +, cancel "non-gravity" and "or movable trap chambers",

in subclass 372, in (2) Note, cancel "non-gravity",

in subclass 386, under "Search this class, subclass" in the reference to 252 +, cancel "or movable trap chambers",

in subclass 389, under "Search this class, subclass" in the reference to 258, cancel "or movable trap chambers",

in subclass 394, under "Search this class, subclass" in the reference to 258, cancel "or a movable trap chamber",

in subclass 405, in the definition, cancel "non-gravity",

in subclass 406, in the definition, cancel "non-gravity",

in subclass 409, in the definition, cancel "non-gravity", and under "Search this class, subclass" cancel "and movable trap chambers",

in subclass 410, in the definition, cancel "non-gravity", establish the following subclass definition:

424.5. Dispensers under the class definition involving combinations of supply container and trap chamber.

(1) Note.—These traps are stationary or rigidly associated with the supply container, as distinguished from the movably related combinations previously provided for, although they may have movable parts as cut-off or volume varying means.

Search this class, subclass—

117 +—for trap chamber dispensers combined with an independent receiver or with means which perform their function in connection with an independent receiver.

129 +—for trap chamber dispensers combined with additional material sources or additional compartments, receptacles, or with a spaced jacket (forming part of a second dispenser or having a non-dispensing use).

205—where there is a non-gravity feed to a trap chamber which does not have a discharge assistant.

252 +—where there is a supply having a discharge assistant which delivers to a trap chamber or casing having a discharge assistant associated therewith.

335—for devices in which the supply of material to be dispensed must be under pressure (by means not claimed) and which operate a discharge assistant which may be associated with a trap chamber.

344 +—and see the notes thereto for movable trap chambers.

372 +—where there is a source having no discharge assistant which delivers to a casing housing a discharge assistant.

in subclass 425, in the definition, cancel "the class definition" and insert: *subclass 424.5*, and under "Search this class, subclass" cancel the references to subclasses 117 +, 129 +, 205, 252 +, 335, 344 + and 372 +,

in subclass 436, under "Search this class, subclass" cancel "or movable trap chamber",

in subclass 441, under "Search this class, subclass" in the reference to 323 +, cancel "non-gravity" and "or movable trap chambers",

in subclass 454, in the definition, cancel "the class definition" and insert: *subclass 424.5*,

in subclass 457, in the definition, cancel "the class definition" and insert: *subclass 424.5*,

cancel the definition and note of subclass 458,

in subclass 460, in the definition, add the following:

(1) Note.—The term "funnel" is used in its conventional sense as guiding the flow from a pouring type container to a desired point, as into a receiver.

in subclass 464, insert:

(1) Note.—Dispensers adapted to operate by suction are placed here when only the container and internal outlet pipe are claimed, even though the arrangement is such that suction is necessary to cause dispensing. Certain types of canteens and those containers for use with spray guns having the interiorly extending outlet pipe as part of the container assembly are here.

in subclass 465, under "Search this class, subclass" in the reference to 323 +, cancel "or movable trap chamber",

in subclass 466, after "handles", cancel the remainder of the definition and add:

(1) Note.—One of the handles may be an auxiliary handle which facilitates tilting the receptacle for pouring.

in subclass 467, cancel the definition and substitute:

467. Dispensers under subclass 466 in which at least one handle is detachable.

in subclass 478, under "Search this class, subclass" in the reference to 252 +, cancel "non-gravity" and "or movable trap chambers", in the reference to 318, cancel "non-gravity", in the reference to 330 +, cancel "non-gravity" and "movable trap chamber" and in the reference to 375, cancel "non-gravity",

in subclass 486, under "Search this class, subclass" in the reference to 283, cancel "or movable trap chambers",

in subclass 501, under "Search this class, subclass" in the reference to 322, cancel "non-gravity" and "or movable trap chambers",

in subclass 502, under "Search this class, subclass" in the reference to 316, cancel "non-gravity" and "or movable trap chambers",

in subclass 511, under "Search this class, subclass" in the reference to 336 +, cancel "or movable trap chamber",

in subclass 512, under "Search this class, subclass" in the reference to 337 +, cancel "non-gravity" and "or movable trap chambers",

in subclass 516, under "Search this class, subclass" cancel "or movable trap chambers",

in subclass 518, under "Search this class, subclass" in the reference to 336 +, cancel "or movable trap chambers",

in subclass 526, under "Search this class, subclass" in the reference to 320 +, cancel "non-gravity" and "or movable trap chamber",

in subclass 564, under "Search this class, subclass" in the reference to 270, cancel "non-gravity" and "or movable trap chambers", and in the reference to 328, cancel "or movable trap chambers".

240, Illumination (Division 30)

in subclass 9, under "Search Class", in the reference to class 315, change the subclass referred to from "335 and indented subclass", to *312 +*,

241, Solid Material Comminution or Disintegration (Division 25)

in subclass 300, under "Search this class, subclass" add in numerical order:

197—for rotary striking members having attached wear members.

242, Winding and Reeling (Division 61)

in subclass 49, under "(2) Search Classes" in the reference to class 192, Clutches and Power-Stop Control, change "25," to *125,*,

in subclass 57, under "(1) Search this class" after "Cordage-winding" add:

and subclass 55, for web winding machines having detectors and stops which operate to reverse the wind or shift the reel or web

250, Radiant Energy (Divisions 10, 51 and 54)

in subclass 1.50, under "Search Class" add in numerical order:

161—Time-Controlling Mechanism, subclass 15, for time controlling apparatus where the time intervals are measured by non-electrical means, including such apparatus for measuring the time interval between electrical pulses.

and in the reference to class 175, Electricity—General Applications, add:

Subclass 381 for electrical time controlling systems where the time intervals are measured solely by electrical means, including such systems for measuring the time interval between electrical pulses.

in subclass 16, under "Search Classes" add in numerical order:

173—Electricity, Connectors, for electrical connectors including vacuum tube sockets, see subclass 328 for panels and chassis having a plurality of quick detachable connectors (tube sockets, etc.) mounted thereon.

174—Electricity, Conductors and Insulators, subclass 50, for boxes and housings, including radio cabinets, which are limited to electrical use, see indented subclass 52 for such boxes and houses where the box or housing has an electrical device such as radio apparatus recited by name only, or having means to mount an electrical device therein. If characteristics of the radio apparatus are claimed limiting the apparatus to radio use, the patent is classified in class 250. Also where the claims specify that the box contains two different apparatus, even though recited by name only, such as a power supply and a tuning stage, the patent is excluded from class 174, and will be found in class 175, subclass 298, where no circuit connections between the apparatus is claimed or where no other significant characteristics are claimed which limit the apparatus to use as a radio apparatus.

175—Electricity—General Applications, subclass 298, for miscellaneous arrangements of apparatus mounted on a panel, within a box or other mounting means, including radio chassis. See the reference to class 174 above for a statement of the type of apparatus found in class 175.

312—Supports, Cabinet Structures, subclass 7, for cabinets designed to house radio apparatus. See (1) Note to subclass 7 of class 312, for a statement of the subject matter provided for in class 312.

252, Compositions (Divisions 3, 64)

in the main class definition, under "(6) Search Classes" cancel the reference to class 141, Washing Apparatus,

257, Heat Exchange (Divisions 30, 32)

in subclass 12, under "(2) Search Classes" add in numerical order:

4—Baths, Closets, Sinks, and Spittoons, subclass 160 +, for hot air or vapor baths there provided for.

266, Metallurgical Apparatus (Division 28)

in subclass 23, (1) Note, add: ***This subclass does not include cutting processes or burners per se.***, under "Search Classes:" add in numerical order:

- 110—Furnaces, for solid fuel burners per se and particularly subclass 22 for torches which burn both solid and liquid fuels.

and in the reference to class 148, change "9," to *9 +*, and in the reference to class 158, before the period, add:

- including cutting torches utilizing a fluid adjuvant material.

268, Closure Operators (Division 1)

in the main class definition, in (1) Note, add in numerical order:

- class 236, Automatic Temperature and Humidity Regulation, subclass 49, for ventilators, including doors, windows, etc., for apartments which are controlled automatically in response to temperature.

280, Land Vehicles (Division 47)

in subclass 124, in the definition, in the note after "104 +," insert *106.5,*.

297, Thermostats and Humidostats (Division 30)

in subclass 15, under "Search Class" add:

- 154—Laminated Fabric and Analogous Manufactures, subclass 43, for laminated non-metal or metal and non-metal stock having no significant thermostatic shape or structure.

306, Tool-Handle Fastenings (Division 52)

in the main class definition add:

Search Class—
- 16—Miscellaneous Hardware, subclass 110 +, for handles combined with the structure of a handle shaft.

312, Supports, Cabinet Structures (Division 8)

in subclass 46, add:

Search this class, subclass—
- 87—for other cylindrical article ejectors.

in subclass 48, add:

Search this class, subclass—
- 88—for other cylindrical article releasers.

in subclass 87, add:

Search this class, subclass—
- 46—for cylindrical article ejectors in stacked article type cabinet structures.

in subclass 88, add:

Search this class, subclass—
- 48—for cylindrical article releasers in stacked article type cabinet structures.

316, Electric Lamp and Discharge Devices, Manufacture and Repair (Division 54)

in subclasses 13 and 14, under "Search Class" in the reference to class 148, Metal Treatment, change "10" to *10 +*.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 1,980,666. Loom and Fabric. Patented Nov. 13, 1934. Groups 22—21—43; 35—52. Reg. No. 5,254.

Pat. 2,343,135. Take-Up for Looms. Patented Feb. 29, 1944. Groups 22—21—43; 35—52. Reg. No. 5,255.

These two patents relate to a loom which knits and weaves simultaneously, producing a fabric comprised of spaced woven sections connected by sections of knitted fabric. The loom may be adjusted and set up to provide a wide variety of patterns of weaves suitable for dress goods, draperies, curtaining, upholstery fabrics, etc. Owner has loom in knock-down condition, dies for sinkers, patterns for duplicating the loom, etc. He states that fabrics containing eight woven "ribbons" and seven "knitted portions" have been made on this loom. (Owner) George Crompton, Jr., 1 New Bond St., Worcester 6, Mass.

Pat. 2,338,774. Game Board. Patented Jan. 11, 1944. A game to be played by two to six persons. A rectangular board has two independently rotatable disks pivotally secured thereto. One disk is smaller than the other. Each disk has a number of circular areas. The circles and spaces between are provided with the playing indicia. Tiny holes are scattered over disks to receive different colored indicator pegs. Instructions for playing and scoring are set out in patent. (Owner) Harry W. Lyon, P. O. Box 1515, Williamsburg, Va. Group 39—41. Reg. No. 5,256.

Pat. 2,349,784. Reciprocating Pump. Patented May 23, 1944. A reciprocating pump is made reversible by mounting the valve seatings and valves so that they rotate through a half turn. This exchanges positions of the inlet and outlet valves and results in the pump inlet functioning as a delivery opening and the outlet as a suction opening. The pump is a combination of a cylinder and a circular valve chest having channels leading from the cylinder ends to opposite ports in the valve chest. Opposed inlet and outlet connections in the valve chest are spaced from the channels. The valve structure is rotatable within the chest and comprises parallel ported plates which divide the chest and separate the inlet and outlet connections on opposite sides of the channel. A partition also divides the space between the plates and separates the channels. All ports are controlled by spring-pressed valves. (Owner) Air Port Equipment Limited, Abbey House, Baker St., London, N. W. 1, England. Group 35—61. Reg. No. 5,257.

Pat. 2,385,859. Magnetic Attachment for Articles of Every-Day Use. Patented Oct. 2, 1945. Comprises a tube-like clip having a slot near one end with a U-shaped magnet positioned in the slot and held by two prongs so that the tip ends of the legs of the magnet protrude slightly beyond the outer surface of the tube. Clip, when used on a pencil, may have an eraser on the outer end. For other articles, device may be of any desirable shape. (Owner) Ernest Jacobson. Address correspondence to Leon M. Strauss, 535 Fifth Ave., New York 17, N. Y. Groups 39—51—52; 40. Reg. No. 5,258.

Pat. 2,408,988. Centrifugal Type Fluid Clutch. Patented Oct. 8, 1946. Clutch enclosed in a circular casing comprises a multi-vaned impeller on the end of a driving shaft and a bladed disc-like rotor on the end of a driven shaft, both shafts being axially aligned. The marginal edge of the rotor is provided with laterally directed, circumferentially spaced blades which surround the periphery of the impeller. The impeller takes fluid in at the hub or central portion and centrifugally discharges the same outwardly against the rotor blades to actuate the rotor. The casing includes a trapping, circulating and return chamber for the convenient transfer and circulation of fluid with intake and exhaust ports controlled by a timed sliding valve. (Owner) Frank H. McElroy, 951 Allegheny St., Jersey Shore, Pa. Group 38—31. Reg. No. 5,259.

Pat. 2,347,785. Ship Propulsion. Patented May 2, 1944. Propulsion mechanism comprises a group of relatively small independent units, which may be dispersed on opposite sides of the vessel and, if desired, along the keel. They may also be used for steering purposes, and their construction permits repairs to be readily made at sea. A streamlined, reinforced cylindrical casing having a passageway therethrough for a vaned rotor is secured over an opening in the hull. A removable cover plate secured inside the hull over the opening carries various associated parts and bearings for supporting the rotor within the passageway in operative position independently of the casing. A stub shaft extending through a hub of the cover carries a pinion for driving engagement with the toothed periphery of the rotor. Two sliding valves are provided for partially or totally closing the passageway at each end. The cover and rotor may be drawn into the vessel without the necessity of dismantling any of the bearing or drive parts associated with the rotor. (Owner) Earl V. Lovell. Address correspondence to Harry C. Schroeder, Central Bank Bldg., Oakland 12, Calif. Group 37—31—32. Reg. No. 5,260.

Pat. 2,310,937. Pain-Alleviating Material. Patented Feb. 16, 1943. The object of this invention is to produce a substance useful for the relief of pain caused by cancer and which will obviate the use of habit-forming drugs. Broadly, the process involves treating finely minced human cancer tissue with a proteolytic-micro-organism (*Bacillus histolyticus*, etc.) for a sufficient period until the tissue is completely destroyed and then extracting the liquid produced. After filtering, sterilization, etc., the solution is injected into the arm of the person afflicted with cancer. Full process, including many variations, described in patent. (Owner) The Canadian-American Pharmaceutical Company, Du Pont Building, Wilmington, Del. Group 28—31. Reg. No. 5,261.

Pat. 2,406,135. Explosive Shell. Patented Aug. 20, 1946. An outer casing encloses a container of non-metallic frangible material having a sealed explosive charge which is surrounded by magnetized multi-pronged missiles. When the shell strikes an object a small explosive charge in the nose of the shell casing "kicks" the inner container free of the casing, whereupon the main explosive is detonated to scatter the missiles over a wide area. After the container has been filled with missiles and prior to closing the rear end with a cap, a paste-like narcotic or other preparation is poured into the container to coat the missiles. (Owner) Reinaldo C. Chavez, Ranch Box #2, Santa Rosa, N. Mex. Group 33—X2. Reg. No. 5,262.

Pat. 2,408,456. Drive Mechanism. Patented Oct. 1, 1946. Simplified drive mechanism for use with mowers, shears, reapers, etc., is adapted to convert rotary motion to reciprocating motion. A housing encloses two meshing spur gears which rotate in opposite directions. A roller is concentrically mounted on the marginal edge of each gear and so located as to reciprocate a plate by alternately engaging curved edges at opposite ends of the plate during rotation of the gears. The spur gears are mounted on separate shafts, one of which constitutes a power shaft. (Owner) William H. Thomason, Waverly, Va. Group 35—66. Reg. No. 5,263.

Pat. 2,409,081. Ornamental Hair Curler Cover. Patented Oct. 8, 1946. Perforated, attachable cover for a conventional type hair curler to conceal the curler from view during the hair setting period. Cover is in the form of a hollow shell and is easily applied to the curler. Slots permit a ribbon or other ornament to be fastened in place. (Owner) Julia R. W. Torrens, 1861 East 24th St., Cleveland, Ohio. Group 39—91. Reg. No. 5,264.

Pat. 2,409,161. Bourdon Tube. Patented Oct. 8, 1946. Inventor claims an improved Bourdon tube with greater accuracy and sensitivity for registering pressure. An elastic metallic tube is expanded between adjacent turns of a coil spring to form bridge portions and seal the internal pressure. Radial and axial strains on the tube are equalized and maximum tip travel is obtained. (Owner) Jens Sivertsen, 6625 McCallum St., Philadelphia, Pa. Group 35—65. Reg. No. 5,265.

Pat. 2,406,620. Hoisting Device for Dump Trucks and Other Vehicles. Patented Aug. 27, 1946. Reinforced A-type hoisting boom is swingably mounted on the front bumper of a dump truck. Boom is connected by cable and coupling chains to the dumping body of the truck so that it may be raised or lowered by the dumping action of the truck. The construction thus relieves the power take-off unit of the vehicle. (Owner) Clifford Waterhouse. Address correspondence to Alexander and Alexander, Jackson, Miss. Group 35—69. Reg. No. 5,266.

Pat. 2,055,077. Method and Apparatus for Cutting Sheet Metal. Patented Sept. 22, 1936. Group 33—73. Reg. No. 5,267.

Pat. 2,133,445. Method for Cutting and Forming Sheet Material. Patented Oct. 18, 1938. Group 33—73. Reg. No. 5,268.

Pat. 2,190,659. Apparatus for Forming Sheet Metal. Patented Feb. 20, 1940. Group 33—73. Reg. No. 5,269.

Pat. 2,308,998. Method and Means for Cutting and Forming Sheet Metal. Patented Jan. 19, 1943. Group 33—73. Reg. No. 5,270.

These four patents cover what is commonly known as the "Guerin Process" and include methods, means and apparatus for forming and cutting sheet metal. The sheet metal is cut and formed in a continuous operation by the use of a die of simple design mating with a confined master pad of rubber or any other resilient material. Owner states that the apparatus makes possible greater flexibility in production, extremely low costs and rapid and cheap changes in tooling. (Owner) Douglas Aircraft Company, Inc., Santa Monica, Calif.

Pat. 2,298,611. Tension Compensating Device. Patented Oct. 13, 1942. A relatively compact unit ordinarily mounted upon the pivot or shaft of the movable control surface. Maintains approximately a constant predetermined rigging tension throughout the control system under all conditions of temperature and dimensional variations which normally tend to change the tension. (Owner) Douglas Aircraft Company, Inc., Santa Monica, Calif. Group 37—22. Reg.. No. 5,271.

Pat. 2,308,105. Clamp. Patented Jan. 12, 1943. This clamp, which has the conventional C-shaped yoke, features a sliding shank which acts as the movable jaw. The shank may be moved to a clamped or unclamped position by a pivoted lever. The clamp may be applied with one hand. (Owner) Douglas Aircraft Company, Inc., Santa Monica, Calif. Group 35—69. Reg. No. 5,272.

Pat. 2,310,498. Forming Machine. Patented Feb. 9, 1943. Forms parallel joggles with great accuracy in a single operation without deforming the material in other than the desired manner. Machine operates rapidly and efficiently on extruded angles, channels and other extruded shapes. (Owner) Douglas Aircraft Company, Inc., Santa Monica, Calif. Group 35—43. Reg. No. 5,273.

Pat. 2,340,589. Lock Nut. Patented Feb. 1, 1944. Elastic stop nut of the self-locking type which includes an insert of fiber or other compressible material. Particularly useful in preventing leakage of fluid past the threads. (Owner) Douglas Aircraft Company, Inc., Santa Monica, Calif. Group 33—91. Reg. No. 5,274.

Pat. 2,354,474. Turnbuckle. Patented July 25, 1944. Two internally threaded thimbles are swaged to cable ends and cooperate with the threaded end portions of a central joining member. The thimble ends and the center portion are hexagonal in shape and locked against rotation by a sliding sleeve of the same shape. Device is smaller in diameter and lighter in weight than the conventional turnbuckle used for adjusting the tension of airplane control cables. (Owner) Douglas Aircraft Company, Inc., Santa Monica, Calif. Group 33—91. Reg. No. 5,275.

Pat. 2,348,309. Tilting Arc. Patented May 9, 1944. The tilting arc consists of a combination of an arcuate crane (in the form of an I-beam) having a track on each side and a double-wheeled carrier adapted to run on the rails and act as a support. A plunger on the carrier engages each of a number of openings on the crane to lock the carrier on the rail in any desired position. The load is connected to the crane by a number of detachable link rods extending from the end of the beam. The tilting arc is used in conjunction with a motor. The arc is used for supporting and handling heavy objects, the center of gravity being made to conform to the radius point of the arc so that the load may be readily turned, shifted, etc., with greater ease and safety. (Owner) Rohr Aircraft Corp., Chula Vista, Calif. Group 35—69. Reg. No. 5,276.

Pat. 2,349,006. Airplane Power Plant and Cowling Assembly Means. Patented May 16, 1944. A circular truck platform to facilitate assembly of an airplane engine, cowling and accessories. On the upper face of the platform are a number of removable, vertical posts of various lengths. The posts receive the legs of the frame upon which the engine is supported, etc. Casters are provided so that the platform may be shifted from location to location. (Owner) Rohr Aircraft Corp., Chula Vista, Calif. Group 35—69. Reg. No. 5,277.

Pat. 2,376,594. Collet Shield. Patented May 22, 1945. Group 35—69. Reg. No. 5,278.

Pat. 2,380,648. Collet Jaw Protector. Patented July 31, 1945. Group 35—69. Reg. No. 5,279.

These two patents relate to a shield for a collet head which forms part of a hollow spindle lathe. In Patent 2,376,594 the shield is in the form of a detachable cover (or in segments) attached to the collet head by screws to completely cover the exposed openings of the collet slots. In Patent 2,380,648 the shield is held to the head of the collet by resilient spring clamps latched to the rim of a collar which serves as a catch. The collet jaws are thus kept free of dust, shavings, or chips thrown off during operation of the lathe. (Owner) Rohr Aircraft Corp., Chula Vista, Calif.

Pat. 2,394,808. Wrench. Patented Feb. 12, 1946. A cranking bar for turning motors or engine shafts. A combination of a double handled yoke in which a softer metal jaw is detachably seated. The jaw is provided with teeth shaped to interlock with the usual splined motor shaft. The bar is used especially to rotate the motor used in connection with the tilting arc disclosed in Patent 2,348,309 of this series. (Owner) Rohr Aircraft Corp., Chula Vista, Calif. Group 35—69. Reg. No. 5,280.

Pat. 2,396,005. Sealing Device. Patented Mar. 5, 1946. A means for sealing the heads of screws, bolts, or rivets to prevent subsequent leaks in gasoline tanks, pressure vessels, fluid containers or the like. A combination of a doughnut shaped rubber-like washer which fits inside the channel of its mating flat metal washer. The assembly is placed under the head of a screw prior to installation and the screw tightened until a firm metal bearing is obtained between the head, the washer and the surface to which it is fitted. During tightening, the doughnut shaped washer assumes the shape of the channel inside the metal washer. (Owner) Rohr Aircraft Corp., Chula Vista, Calif. Groups 30—32; 37—22. Reg. No. 5,281.

Pat. 2,399,360. Drum Tilting Arc. Patented Apr. 30, 1946. For suspending, steadying and turning heavy and unwieldy drums or other fluid containers from which contents are to be discharged or refilled. The device, used in combination with the conventional shift hoist, consists of an arcuate rail and a supporting wheeled carrier which runs upon the rail. A boom, extending from the rail, carries slidable and fixed brackets which grip the flanges of the drum being hoisted. The brackets are locked by clamps. (Owner) Rohr Aircraft Corp., Chula Vista, Calif. Group 35—31. Reg. No. 5,282.

Pat. 2,399,797. Spotweld Horn and Electrode Assembly. Patented May 7, 1946. The usual solid bar or horn held on the arm is longitudinally split to form two substantially equal halves and the center machined to permit insulated inlet and outlet cooling tubes to be installed within. An upright electrode is seated in a socket and holder at one end of the horn and water circulated to cool the electrode assembly. (Owner) Rohr Aircraft Corp., Chula Vista, Calif. Group 36—19. Reg. No. 5,283.

Pat. 2,402,275. Pokeweld Gun. Patented June 18, 1946. A portable welding gun which may be carried and held by an operator. The structure includes an electrode in the form of welding tip and a piston capable of exerting impact pressure upon the tip. A slight "cup" is produced by the first impact so that close contact of the two sheets being welded is accomplished. Shortly after contact, current is supplied momentarily to automatically weld the two contacting surfaces and while the weld is still at forging temperature an additional impact is delivered. As a result the final weld is of better grain structure than normally obtained. The impact does not require any exertion on the part of the operator. (Owner) Rohr Aircraft Corp., Chula Vista, Calif. Group 36—19. Reg. No. 5,284.

Pat. 2,408,847. Spot-Weld Edge Gauge. Patented Oct. 8, 1946. A mechanical means to guide the formation of a line of spot welds at a uniform distance from one of the edges of the sheets of material being welded by a conventional spot-welding machine. Comprises a rod on which a movable carriage is mounted to slide to and from the electrode and a roller on the carriage positioned to abut against the edge of the sheet being welded. The rod is clamped to the lower electrode holder of the spot-weld machine and may be turned out of the way when not in use. (Owner) Rohr Aircraft Corp., Chula Vista, Calif. Group 36—19. Reg. No. 5,285.

Pat. 2,226,560. Interlocking Roofing Tile. Patented Dec. 31, 1940. This interlocking clay roof tile consists of a flat slab with beveled side edges. The tile is reinforced on the under side by a full-length central rib of dovetail shape and on the upper side by side ribs extending part way. Nail holes are provided adjacent the upper corners although on a roof of low pitch the use of nails is unnecessary. The tiles are automatically spaced when assembled, the side ribs being used to determine the overlap between courses and an interlocking arrangement provided by the engagement of the beveled side edges and the central rib. Since the tile may be used on either side different patterns may be produced. Measurements, guide lines and other work incident to laying a roof are not required. (Co-owner) Albert P. Myers, 601 South Vermont Ave., Los Angeles 5, Calif. Group 32—53. Reg. No. 5,286.

Pat. 2,358,260. Atmospheric Air Flow Regulator. Patented Sept. 12, 1944. Motorless regulator comprises a damper mounted in a specially designed housing. Automatically controls quantity of delivered air for ventilating purposes when the velocity of air, resulting from either natural or mechanical forces, rises above a predetermined minimum. Damper when fully open projects at a 45° angle into inlet of housing. To maintain quantity of delivered air substantially constant counterforce springs or other means control movement of damper until it nears fully closed position. When subjected to fluctuating air currents movement of damper is cushioned by an oscillating plate operatively connected to damper. It is suitable for one- and two-story buildings, such as homes, schools, stores, railway stations, barracks, warehouses, and the like. (Owner) George T. Simpson, 2669 Fleet St., Detroit 6, Mich. Groups 33—62; 34—95; 35—65. Reg. No. 5,287.

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS

RENDERED DURING FEBRUARY, 1947

Ex parte Challenge Cream & Butter Association, Serial No. 580,737.

In a decision rendered February 5, 1947 (169 Ms. Dec. 274, 72 USPQ 235), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks refusing to register to the Challenge Cream & Butter Association, of Los Angeles, Calif., the words "Golden Rod," in association with the representation of a spray of goldenrod, as a trade-mark for butter, use of the mark being claimed since 1923, in view of four prior registrations of similar marks for goods that were held to be of the same descriptive properties as applicant's. One of these marks is for identical merchandise and includes the notation "Golden Roll," prominently displayed though disclaimed. The other three marks are "Golden-Rod," registered May 14, 1895, for biscuits, crackers, wafers, cakes and kindred articles; "Golden Rod," registered October 31, 1905, for wheat flour; and "Golden Rod," registered October 29, 1912, for canned vegetables, canned fruits, dried fruits, mustard, wheat flakes, shredded cocoanut, compound of corn syrup and refined syrup, horse radish, vinegar, canned oysters, brick cheese, tomato catsup, mincemeat, rolled oats, lemon peel, pearl barley, rice, sugar, a compound of corn syrup and sorghum syrup, chilli sauce, tapioca and olives. All three registrations have been renewed.

As to the registration "Golden Roll," it was held that since its claimed date of first use is September 1, 1931, it will be subject to an interference with this application, if and when the requirements of Rule 51 are met; it is confusable with applicant's mark by reason of its inclusion of the notation "Golden Roll," prominently displayed though disclaimed.

As to the last three registrations, it was held that the Examiner rightly ruled that all of the goods therein described, in common with applicant's butter, are groceries, and are therefore of the same descriptive properties; nor is it necessary to answer applicant's query as to whether butter is in fact a grocery, for that test appears to have been discarded by the court.

It was further held that the last registration noted above would bar the registration of applicant's mark in any event, for it is clear beyond argument that brick cheese and butter are of the same descriptive properties.

After noting that the Examiner required a disclaimer of the word "Golden" in applicant's mark, because descriptive of the goods, in response to applicant's assertion that the word is merely one part of a two-part name of a flower, it was held that the name of the flower is the unitary word "goldenrod," in which the two words of applicant's mark lose their individual significance so that the Examiner was right in ruling that "Golden" fairly describes the color of butter, and that it should be disclaimed in the event that applicant's mark is finally held to be registrable.

Ex parte The B. Manischewitz Company, Serial No. 456,217.

In a decision rendered February 6, 1947 (169 Ms. Dec. 243, 72 USPQ 2), *First Assistant Commissioner Frazer* denied applicant's petition for rehearing of his decision rendered December 24, 1946 (594 O. G. 430, 72 USPQ 2), affirming the Examiner's refusal to register applicant's mark because confusingly similar to a mark previously registered for merchandise of the same descriptive properties.

It was held that the First Assistant Commissioner now finds it necessary to withdraw his agreement with applicant that all food products should not at the present time be considered as having the same descriptive properties, and to hold that applicant's goods, which are characterized in the brief as potato sticks, have the same descriptive properties as the goods of the registration, whether the latter be used as an ingredient of sandwich fillers or merely to flavor soup.

McKesson & Robbins, Incorporated, *v.* Arthur W. Pitts, Opposition No. 23,975.

In a decision rendered February 6, 1947 (169 Ms. Dec. 250, 72 USPQ 237), *First Assistant Commissioner Frazer* granted to the extent indicated, but otherwise denied, a petition by the party Pitts for rehearing and clarification of his decision of December 31, 1946 (594 O. G. 432, 72 USPQ 33), affirming the decision of the Examiner of Interferences in the above entitled trade-mark opposition proceeding.

In response to request for clarification as to whether or not the certified copies of the Patent Office assignment records offered by the opposer were or were not considered by the Commissioner acceptable as competent evidence in this opposition proceeding, and if they were so accepted, whether the decision of the Commissioner in this opposition specifically overrules the previous decisions rendered by the Commissioner of Patents, it was held that obviously the certified copies of the assignment records were accepted as competent, else the Examiner's decision sustaining the opposition could not have been affirmed, for there was no other evidence to support it; obviously, also, the Commissioner's decisions referred to by petitioner were not specifically overruled, but insofar as they were inconsistent with *Rosengart* v. *Ostrex Co.*, 30 C. C. P. A. 1046, 136 F.(2d) 249, they had there been quite effectively overruled by necessary implication.

Ex parte Alexandra de Markoff Sales Corporation, Serial No. 505,878.

In a decision rendered February 7, 1947 (169 Ms. Dec. 279, 72 USPQ 277), *First Assistant Commissioner Frazer* denied a petition by Alexandra de Markoff Sales Corporation, of New York, N. Y., that an interference be now declared between its application filed on July 19, 1946, for registration of a trade-mark, which application was rejected on September 6 in view of a prior registration of a confusingly similar mark for merchandise of the same descriptive properties, applicant having filed the petition to cancel that registration concurrently with the instant application, the cancellation proceeding now being set for final hearing before the Examiner of Interferences on July 8, 1947, and an application filed on March 26, 1942, by the purported owner of the registration sought to be canceled, which is now in condition for allowance; or, in the alternative, that the allowable application be withheld from issue pending the final determination of the cancellation proceeding.

It was held that since applicant's mark has been expressly decided to be nonregistrable, obviously it may not form the subject matter of an interference; nor would it be fair to withhold the conflicting application from issue pending the termination of the cancellation proceeding; that application was filed nearly five years ago and to grant the requested suspension might well add another three years to its pendency.

It was further held that applicant is not without remedy. Its time to oppose has long since expired, but should it prevail in the cancellation proceeding it may still institute a similar proceeding against the new registration; and if the cancellation proceeding terminates adversely to applicant, the new registration will entail no legal injury.

Ex parte Houghton W. Clark, Serial No. 459,192.

In a decision rendered February 11, 1947 (169 Ms. Dec. 281, 72 USPQ 278), *First Assistant Commissioner Frazer* denied a petition of Houghton W. Clark, of New York, N. Y., to remand this application to register a mark under the provisions of the act of February 20, 1905, in which the decision of the Examiner of Trade-Marks rejecting the application was affirmed (589 O. G. 505, 70 USPQ 365) on July 31, 1946, no further appeal having been taken, to the Examiner for further proceedings in accordance with the Trade-Mark Act of July 5, 1946.

It was held that the new act does not become effective until July 5, 1947, at which time the instant application will no longer be pending in the Patent Office; and there is nothing in the act that would authorize or require further proceedings in respect to cases that shall have been finally disposed of prior to its effective date: if applicant regards the mark as registrable under the new act he should bide his time and refile.

Ex parte Pfeiffer Chemical Company, Serial No. 469,781.

In a decision rendered February 26, 1947 (169 Ms. Dec. 283, 72 USPQ 346), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks refusing to register to Pfeiffer Chemical Company, of New York, N. Y., the notation "Derma Zema" as a trade-mark for skin lotions and skin ointments, in view of two trade-marks previously registered for similar merchandise, the two marks being "Zemo" and "Zema-Salva."

It was held that in applicant's mark, the word "Derma" is descriptive and that the mark is thus dominated by the word "Zema," which is a prominent part of the "Zema-Salva" mark, and is practically indistinguishable from the "Zemo" mark.

After noting that in its notice of appeal applicant assigned as error the Examiner's requirement that the word "Derma" be disclaimed, but now states that it has no objection to disclaiming the term "Derma," when considered apart from the trade-mark in its entirety, it was held that should the mark be held registrable upon further appeal, such disclaimer will be exacted before publication.

Ex parte Yun Sann Loo, Serial No. 478,161.

In a decision rendered February 26, 1947 (169 Ms. Dec. 282, 72 USPQ 346), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks refusing to register to Yun Sann Loo, of Honolulu, Hawaii, a mark which is the notation "Zin-O-Lene," claimed to have been used since 1935, for a liquid pharmaceutical preparation used for eczema, ringworm, scabies, pimples, itch, old sores and impetigo, in view of two references, one being the notation "Zin-Oil," and a pictorial design, registered June 15, 1915, for a liniment, the registration having been renewed.

It was held that only one of the marks relied on by the Examiner need be considered, that mark being the notation "Zin-Oil," and a pictorial design.

After noting that applicant tacitly concedes that the goods of the registration and his own are of the same descriptive properties, but argues that the marks differ, chiefly because the pictorial representation is such a conspicuous part of the registered mark, it was held that it seems obvious that the registered mark is dominated by the term "Zin-Oil," which the Examiner rightly held to be confusingly similar to "Zin-O-Lene."

Ex parte The Union Fork & Hoe Company, Serial No. 468,399.

In a decision rendered February 27, 1947 (169 Ms. Dec. 284, 72 USPQ 347), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks rejecting the application of The Union Fork & Hoe Company, of Columbus, Ohio, to register the notation "Ply-Beam" as a trade-mark for a long line of hand tools, including shovels, spades and scoops in view of a registered mark comprising the profile representation of a human eye with rays emanating from the pupil and the word "Beam" written across such rays, the goods named in the registration being shovels, spades and scoops.

In response to applicant's argument that the word "Beam" has two distinct and entirely different meanings, it was held that it is probably true that the registered mark would suggest the word "eye-beam" to observers, while applicant's mark would have no such significance, but nevertheless, if viewed as a rebus, the eye of the registered mark might well mean "I," in which event the mark would be read as "I Beam," and its meaning would be closely related to that suggested by applicant's mark; moreover, regardless of significance, the word "Beam" constitutes a very prominent portion of both marks; and either "eye" or "I" has the same sound as "Ply," so that since the goods are identical, these various similarities in the marks render them reasonably confusable.

Ex parte Selas Corporation of America, Serial No. 473,261.

In a decision rendered February 27, 1947 (169 Ms. Dec. 286, 72 USPQ 348), *First Assistant Commissioner Frazer* reversed the decision of the Examiner of Trade-Marks who had rejected the application of Selas Corporation of America, of Philadelphia, Pa., to register under the act of February 20, 1905, the notation "Flo-Scope," the word "Flo" being disclaimed apart from the mark as shown, for a meter for measuring and indicating the flow of fluids, on the ground that applicant's mark is descriptive of the goods to which appropriated, the case having been remanded to the Examiner for consideration of a mass of affidavits which applicant had filed with its brief on appeal (591 O. G. 667; 71 USPQ 160).

In response to the Examiner's reasoning that since the device indicates flow and the indication is readily observable, the mark goes beyond mere suggestiveness and is, in fact, descriptive of the character and use of the apparatus, it was held that the mark, is of course, highly suggestive of the intended purpose or function of the applicant's device; but it is not descriptive; rather it is an expression that requires conscious mental effort to determine its meaning in relation to the goods so that in the absence of opposition, the mark is registrable.

Ex parte Ralph N. Takaki, Serial No. 475,877.

In a decision rendered February 27, 1947 (169 Ms. Dec. 285, 72 USPQ 347), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks refusing to register to Ralph N. Takaki, of Honolulu, Hawaii, under the provisions of the act of February 20, 1905, a mark including the word "Isan" accompanied by certain equivalent Japanese characters, which when translated literally, mean "stomach powder," for a preparation for upset conditions of the stomach due to gastric hyperacidity and as an antacid alkalizer, on the ground that the mark is the name of the goods to which appropriated, and hence incapable of trade-mark significance.

After noting that the specimen labels filed with the application show that applicant's product is in powder form, in response to applicant's argument that the mark is merely suggestive and not descriptive, because it does not indicate the precise nature of the indisposition for the treatment of which applicant's preparation is intended; and that the words "stomach powder" do not at all describe the goods which is in the nature of an antacid preparation or alkalizer, it was held however, that neither those words nor their Japanese equivalent may be registered as a trade-mark for stomach powder.

Ex parte The Bay Petroleum Corporation, Serial No. 459,976.

In a decision rendered February 28, 1947 (169 Ms. Dec. 287, 72 USPQ 348), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks rejecting the application of The Bay Petroleum Corporation, of Denver, Colo., to register a mark which is the word "Bay," printed diagonally across a shield-like design, for refined and unrefined petroleum products for illuminating, burning, power, fuel, and lubricating purposes, namely, gasoline, kerosene, Diesel fuel, and lubricating oils, in view of the previously registered marks "Baywest" and "Bayol" for substantially identical merchandise.

In response to applicant's argument that applicant's mark includes a design, it was held that clearly applicant's mark is dominated by the word.

In response to applicant's request that judicial notice be taken that purchasers depend upon visual recognition of various marks in making a selection of goods, it was held that if that may be regarded as a matter of common knowledge as to gasoline, so must the fact that many so-called filling stations handle several brands of motor oil that must be designated by name in order to be procured; moreover, even a filling station customer, who is familiar with "Baywest" or "Bayol" gasoline, or has heard one or the other recommended, might well assume "Bay" gasoline to be a companion product of the same manufacturer; for certainly he cannot be expected to know that the registered mark he remembers includes no such commonplace border as the representation of a shield.

Ex parte Adler Sons Shoe Corp., Serial No. 475,035.

In a decision rendered February 28, 1947 (169 Ms. Dec. 288, 72 USPQ 349), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks refusing to register to Adler Sons Shoe Corp., of New York, N. Y., the word "Compensators," under the act of February 20, 1905, as a trade-mark for men's shoes and sandals made from leather, fabric, or rubber composition, or combinations of such materials, on the ground that it is descriptive of the goods.

After noting that in holding the mark descriptive, the Examiner relied in part on two patents relating to shoe construction, the general object of each of which is to compensate for abnormalities or malalignments affecting the feet, it was held that shoes manufactured under either patent would be aptly described as "compensators," so that it is thus unimportant that applicant's shoes are not so constructed as to fit the description, for the proposed registration would be prima facie evidence of applicant's exclusive ownership of the mark for all types of shoes.

TRADE-MARKS

OFFICIAL GAZETTE, MARCH 25, 1947

[Vol. 596. No. 4]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

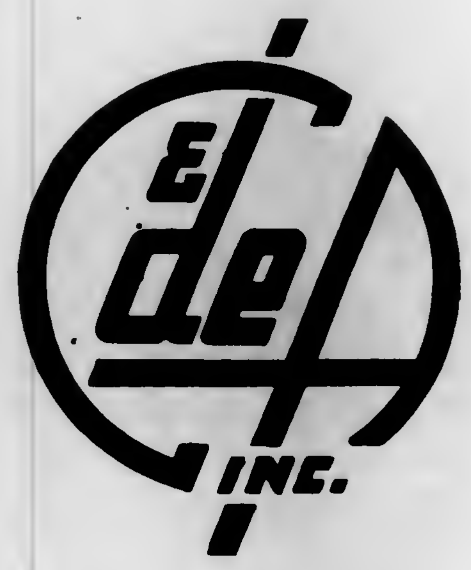
Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 2

RECEPTACLES

Ser. No. 486,937. Croasdale & De Angelis, Incorporated, Haverford Township, Delaware County, Pa. Filed Aug. 9, 1945.



No claim is made to the abbreviation "Inc." apart from the mark as shown.

FOR FLORAL VASES, HANDKERCHIEF BOXES, FACE POWDER BOXES SOLD IN TRADE EMPTY, JEWELRY BOXES, ALL MADE OF SYNTHETIC PLASTIC MATERIALS.

Claims use since June 21, 1945.

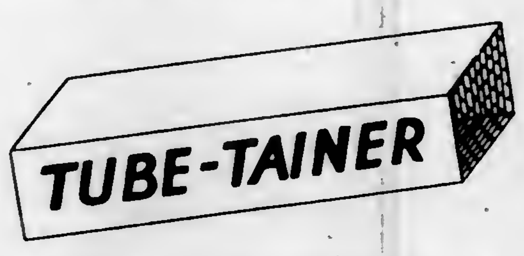
Ser. No. 495,080. Morris L. Marcus, Pittsburgh, Pa. Filed Jan. 19, 1946.

The word "Bag" is disclaimed apart from the mark.

FOR CLOTH OR FABRIC BAGS FOR HOLDING DUSTING MOPS.

Claims use since Jan. 2, 1946.

Ser. No. 496,868. Sherman Paper Products Corporation, Newton, Mass. Filed Feb. 18, 1946.

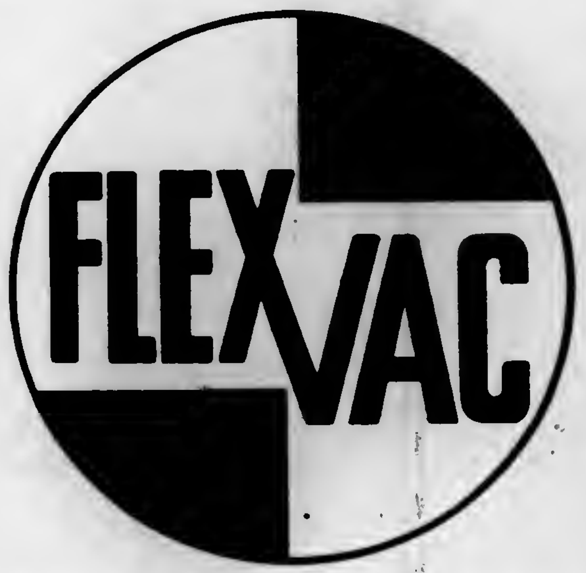


The word "Tube" and the representation of the goods are disclaimed apart from the mark.

FOR PAPERBOARD PACKAGING TUBE.

Claims use since Sept. 14, 1945.

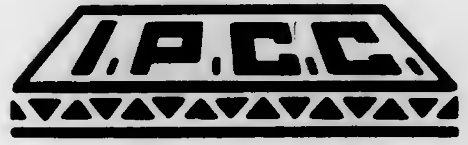
Ser. No. 497,345. Standard Cap and Seal Corporation, Chicago, Ill. Filed Feb. 27, 1946.



FOR FLEXIBLE MOISTURE PROOF COMPOSITION BAGS.

Claims use since Feb. 2, 1946.

Ser. No. 497,665. I. P. Container Corporation, Somerville, Mass. Filed Mar. 5, 1946.



FOR BOXES MADE OF PAPER BOARD.

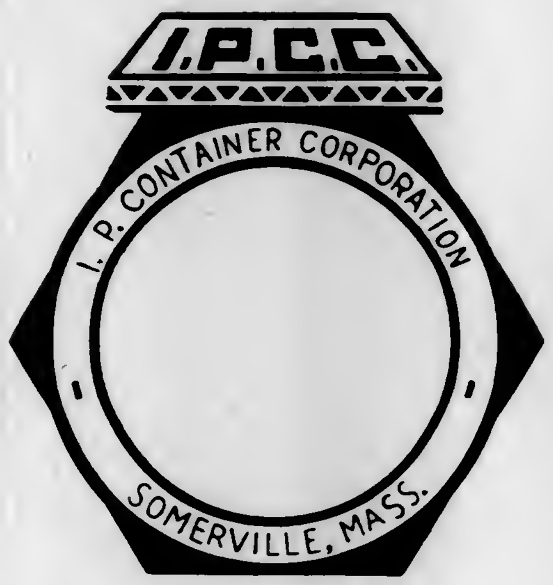
Claims use since Jan. 11, 1946.

Ser. No. 497,702. Celanese Corporation of America, New York, N. Y. Filed Mar. 6, 1946.

FORTICEL

FOR BOX COVERS, DISPLAY BOXES, CONTAINERS AND FRONTS FOR CONTAINERS, MADE FROM PLASTIC MATERIAL.
Claims use since about Feb. 18, 1946.

Ser. No. 497,716. I. P. Container Corporation, Somerville, Mass. Filed Mar. 6, 1946.


I.P.C.C.
I. P. CONTAINER CORPORATION
SOMERVILLE, MASS.

The words "Container Corporation" and "Somerville, Mass." are disclaimed apart from the mark as shown.
FOR BOXES MADE OF PAPER BOARD.
Claims use since Jan. 11, 1946.

Ser. No. 501,415. Southern Advance Bag & Paper Co. Inc., Bangor, Maine, and Boston, Mass. Filed May 3, 1946.

Bakery Boy

No claim is made to the exclusive use of the word "Bakery" except as a part of the mark.
FOR PAPER BAGS.
Claims use since 1928.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 491,071. Cecil E. Eggleton, Minneapolis, Minn. Filed Nov. 5, 1945.

Applicant disclaims the word "Ring" and the representation of the ring apart from the mark.
FOR LIQUID PREPARATION FOR CLEANING JEWELRY CONSISTING OF A SOAP COMPOUND IN A SPECIFIC TYPE OF CONTAINER, THE TOP OF SUCH CONTAINER HAVING A BRUSH AND HOOK ATTACHED THERETO.
Claims use since July 13, 1941.

Ser. No. 492,040. Gold Seal Co., Bismarck, N. Dak. Filed Nov. 23, 1945.

FOR GLASS CLEANER AND POLISH.
Claims use since September 1945.

Ser. No. 495,861. George Canter, doing business as Security Mfg. Co., New York, N. Y. Filed Feb. 2, 1946.

SHO KAR

Applicant disclaims any exclusive right to the word "Kar" apart from the mark.
FOR LIQUID CLEANING PREPARATION—NAMELY, A LIQUID CLEANING PREPARATION FOR WASHING AUTOMOBILES, TRUCKS, AND SIMILAR VEHICLES.
Claims use since Nov. 27, 1945.

Ser. No. 496,307. Albert T. Green & Co., New York, N. Y. Filed Feb. 9, 1946.

TIS-SAY

FOR COMPOUND FOR WASHING DISHES, GLASSWARE, SILVERWARE, AND KITCHEN UTENSILS.
Claims use since Jan. 1, 1946.

Ser. No. 497,627. Precision Tool and Gage Co., Monterey Park, Calif. Filed Mar. 4, 1946.

FOR SCISSOR SHARPENING ABRASIVE STONE AND HOLDER THEREFOR.
Claims use since Dec. 10, 1945.

Ser. No. 501,125. John R. Ford, doing business as Affiliated Engineering Products, Norfolk, Va. Filed Apr. 29, 1946.

FOR PREPARATION FOR REMOVING GREASE FROM FLOORS, LINOLEUM, STOVES, TILES, WINDOWS, DISHES, PANS, AND AUTOMOBILES, AND FOR CLEANING THE HANDS.
Claims use since Jan. 11, 1946.

Ser. No. 501,987. Johnson Laboratories, Chicago, Ill. Filed May 13, 1946.

The lining on the drawing indicates the colors red and yellow.
FOR DISHWASHING POWDER.
Claims use since Oct. 12, 1943.

Ser. No. 503,109. McKesson & Robbins, Incorporated, New York, N. Y. Filed May 31, 1946.

LYNX

FOR SOAP.
Claims use since May 14, 1946.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 488,354. Maas & Waldstein Company, Newark, N. J. Filed Sept. 12, 1945.

COPEEL

FOR PLASTIC SUBSTANCES SOLD IN SOLID AND IN SOLUTION FORM. THE SOLID IS MELTED AND THE OBJECTS ARE DIPPED THEREIN. THE SOLUTIONS ARE USED FOR DIPPING PURPOSES AFTER WHICH THE SOLVENT IS EVAPORATED. THE PROTECTIVE COATING MAY BE PEELED FROM THE OBJECT WHEN DESIRED.
Claims use since June 1, 1945.

Ser. No. 489,206. Culligan Zeolite Company, Northbrook, Ill. Filed Oct. 1, 1945.

CULLEX

FOR BASE EXCHANGE MATERIAL COMMONLY KNOWN AS CARBONACEOUS OR ORGANIC TYPE ZEOLITE USED IN WATER CONDITIONING EQUIPMENT TO SOFTEN HARD WATER.
Claims use since Sept. 7, 1945.

Ser. No. 489,367. Sunbeam Anti-Corrosives Limited, London, England. Filed Oct. 3, 1945.

ALOCLENE

FOR CHEMICAL COMPOUNDS FOR USE IN CLEANING ALUMINUM OR ALUMINUM ALLOYS PRIOR TO WELDING OR COATING.
Claims use since Sept. 21, 1943.

Ser. No. 494,348. Monsanto Chemical Company, St. Louis, Mo. Filed Jan. 5, 1945.

STYMER

FOR SYNTHETIC RESINS FOR GENERAL USE IN THE TREATMENT OF TEXTILES, INCLUDING THE DRESSING AND FINISHING OF YARNS, FIBERS AND FABRICS, THE BINDING OF PIGMENTS IN TEXTILE PRINTING, AND THE THICKENING OF TEXTILE PRINTING PASTES.
Claims use since Nov. 26, 1945.

Ser. No. 497,702. Celanese Corporation of America, New York, N. Y. Filed Mar. 6, 1946.

FORTICEL

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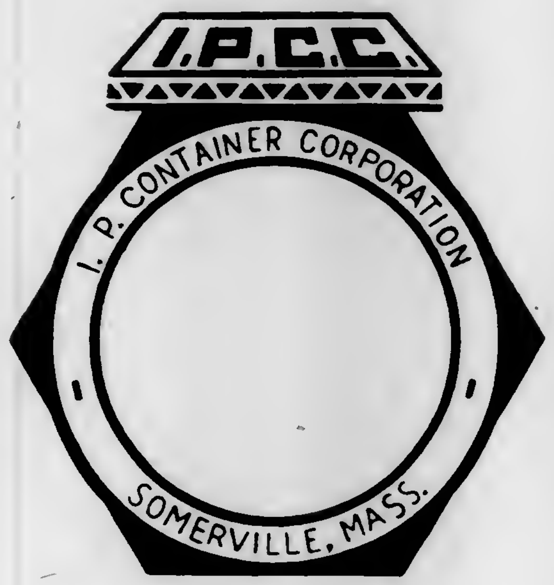
Claims use since about Feb. 18, 1946.

Ser. No. 497,716. I. P. Container Corporation, Somerville, Mass. Filed Mar. 6, 1946.


I.P.C.C.
I. P. CONTAINER CORPORATION
SOMERVILLE, MASS.

The words "Container Corporation" and "Somerville, Mass." are disclaimed apart from the mark as shown.
FOR BOXES MADE OF PAPER BOARD.
Claims use since Jan. 11, 1946.

Ser. No. 501,415. Southern Advance Bag & Paper Co. Inc., Bangor, Maine, and Boston, Mass. Filed May 3, 1946.

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Boy

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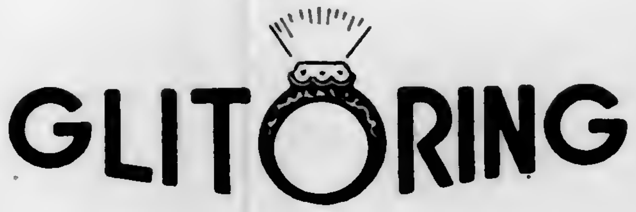

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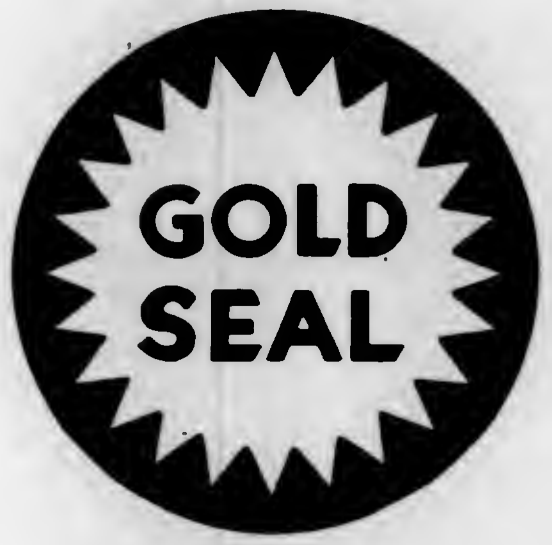
Claims use since July 13, 1941.

Ser. No. 492,040. Gold Seal Co., Bismarck, N. Dak. Filed Nov. 23, 1945.



FOR GLASS CLEANER AND POLISH.
Claims use since September 1945.

Ser. No. 495,861. George Canter, doing business as Security Mfg. Co., New York, N. Y. Filed Feb. 2, 1946.

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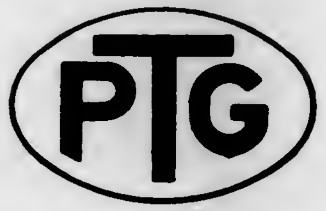
Claims use since Nov. 27, 1945.

Ser. No. 496,307. Albert T. Green & Co., New York, N. Y. Filed Feb. 9, 1946.

TIS-SAY

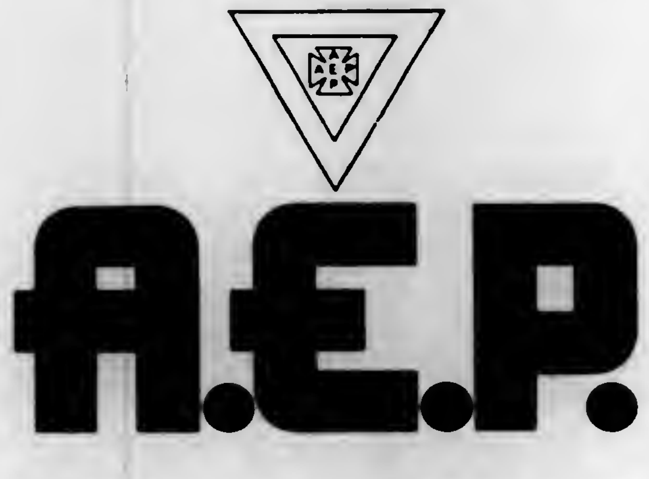
FOR COMPOUND FOR WASHING DISHES, GLASSWARE, SILVERWARE, AND KITCHEN UTENSILS.
Claims use since Jan. 1, 1946.

Ser. No. 497,627. Precision Tool and Gage Co., Monterey Park, Calif. Filed Mar. 4, 1946.



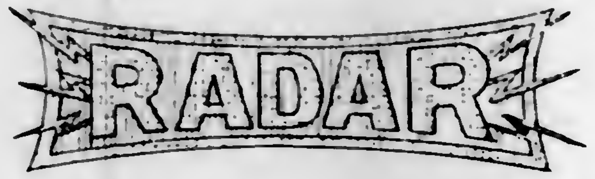
FOR SCISSOR SHARPENING ABRASIVE STONE AND HOLDER THEREFOR.
Claims use since Dec. 10, 1945.

Ser. No. 501,125. John R. Ford, doing business as Affiliated Engineering Products, Norfolk, Va. Filed Apr. 29, 1946.



FOR PREPARATION FOR REMOVING GREASE FROM FLOORS, LINOLEUM, STOVES, TILES, WINDOWS, DISHES, PANS, AND AUTOMOBILES, AND FOR CLEANING THE HANDS.
Claims use since Jan. 11, 1946.

Ser. No. 501,987. Johnson Laboratories, Chicago, Ill. Filed May 13, 1946.



The lining on the drawing indicates the colors red and yellow.
FOR DISHWASHING POWDER.
Claims use since Oct. 12, 1943.

Ser. No. 503,109. McKesson & Robbins, Incorporated, New York, N. Y. Filed May 31, 1946.

LYNX

FOR SOAP.
Claims use since May 14, 1946.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 488,354. Maas & Waldstein Company, Newark, N. J. Filed Sept. 12, 1945.

COPEEL

FOR PLASTIC SUBSTANCES SOLD IN SOLID AND IN SOLUTION FORM. THE SOLID IS MELTED AND THE OBJECTS ARE DIPPED THEREIN. THE SOLUTIONS ARE USED FOR DIPPING PURPOSES AFTER WHICH THE SOLVENT IS EVAPORATED. THE PROTECTIVE COATING MAY BE PEELED FROM THE OBJECT WHEN DESIRED.
Claims use since June 1, 1945.

Ser. No. 489,206. Culligan Zeolite Company, Northbrook, Ill. Filed Oct. 1, 1945.

CULLEX

FOR BASE EXCHANGE MATERIAL COMMONLY KNOWN AS CARBONACEOUS OR ORGANIC TYPE ZEOLITE USED IN WATER CONDITIONING EQUIPMENT TO SOFTEN HARD WATER.
Claims use since Sept. 7, 1945.

Ser. No. 489,367. Sunbeam Anti-Corrosives Limited, London, England. Filed Oct. 3, 1945.

ALOCLENE

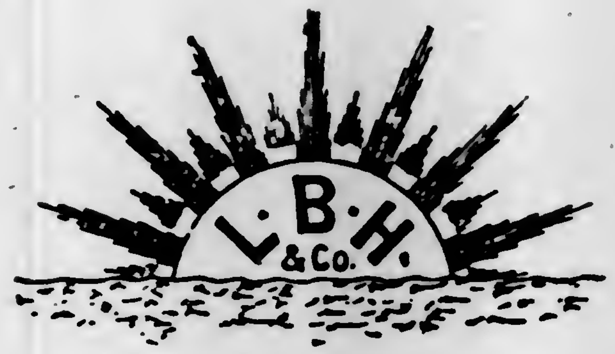
FOR CHEMICAL COMPOUNDS FOR USE IN CLEANING ALUMINUM OR ALUMINUM ALLOYS PRIOR TO WELDING OR COATING.
Claims use since Sept. 21, 1943.

Ser. No. 494,348. Monsanto Chemical Company, St. Louis, Mo. Filed Jan. 5, 1945.

STYMER

FOR SYNTHETIC RESINS FOR GENERAL USE IN THE TREATMENT OF TEXTILES, INCLUDING THE DRESSING AND FINISHING OF YARNS, FIBERS AND FABRICS, THE BINDING OF PIGMENTS IN TEXTILE PRINTING, AND THE THICKENING OF TEXTILE PRINTING PASTES.
Claims use since Nov. 26, 1945.

Ser. No. 494,746. L. B. HOLLIDAY & COMPANY LIMITED, Huddersfield, England. Filed Jan. 14, 1946.



FOR DYES USED FOR COLORING TEXTILES AND OTHER MATERIALS.
Claims use since October 1917.

Ser. No. 496,358. ZITOMER CHEMISTS, INC., New York, N. Y. Filed Feb. 9, 1946.

REJAY

FOR EMOLIENT CREAM FOR THE FACE, AND HAND CREAM.
Claims use since January 1932.

Ser. No. 497,475. GOOD-MARK PRODUCTS COMPANY, Grand Rapids, Mich. Filed Mar. 1, 1946.

Good-Mark

Applicant makes no claim to the exclusive use of the word "Good" apart from the mark.
FOR COSMETICS, SPECIFICALLY HAND LOTION, ORAL DEODORANT, AND EXTERNAL DEODORANT.
Claims use since July 1, 1945.

Ser. No. 499,414. HENRY IZARD, doing business as The Dave S. Bauer Chemical Co., Mobile, Ala. Filed Apr. 1, 1946.

BAUER'S
'Teen-Age

No claim is made to the word "Bauer's" apart from the mark as shown on the drawing without relinquishing any common-law rights thereto.
FOR MEDICATED AND ANTISEPTIC POWDER ESPECIALLY ADAPTED FOR PERSONS OF ADOLESCENT AGE IN THE TREATMENT OF PIMPLES AND BLEMISHES ON THE FACE AND OTHER PARTS OF THE BODY.
Claims use since Oct. 30, 1945.

Ser. No. 499,858. FRANK J. SCHAEFER, doing business under the name of The Narf Company, St. Louis, Mo. Filed Apr. 8, 1946.

CYLITE

FOR SOLVENTS IN THE NATURE OF CHEMICAL SOLVENTS FOR REMOVING SLUDGE AND GUM FROM THE INTERIOR OF INTERNAL COMBUSTION ENGINES, AND FOR FREEING STICKING VALVES AND PISTON RINGS.
Claims use since Jan. 25, 1946.

Ser. No. 501,119. KAY DAUMIT, INC., Chicago, Ill. Filed Apr. 29, 1946.

AMBA-LOTION

The word "Lotion" is disclaimed apart from the mark.
FOR BODY LOTION.
Claims use since Mar. 1, 1946.

Ser. No. 501,298. ABBOTT LABORATORIES, North Chicago, Ill. Filed May 2, 1946.

Sur-bex

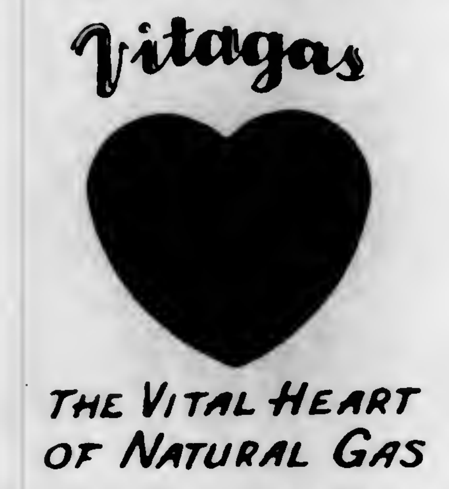
FOR MULTIPLE VITAMIN PREPARATION.
Claims use since Apr. 16, 1946.

Ser. No. 501,530. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio. Filed May 6, 1946.

Shasta

FOR SHAMPOO.
Claims use since Feb. 19, 1946.

Ser. No. 501,633. E. B. BUELL, doing business as Vitagas Company, Jefferson City, Mo. Filed May 8, 1946.



No claim is made to the words "Of Natural Gas" apart from the mark.
FOR NATURAL GAS.
Claims use since Jan. 1, 1946.

Ser. No. 501,833. DOHO CHEMICAL CORPORATION, New York, N. Y. Filed May 10, 1946.

FOR MEDICATED PREPARATION FOR HUMAN USE IN THE TREATMENT OF DISEASES OF THE EAR.
Claims use since 1945.

Ser. No. 501,890. WINTHROP CHEMICAL COMPANY, INC., New York, N. Y. Filed May 10, 1946.

ZETYN

FOR ANTISEPTIC, DISINFECTANT MOUTHWASH.
Claims use since Apr. 15, 1946.

Ser. No. 502,825. INTERNATIONAL LABORATORIES, Chicago, Ill. Filed May 27, 1946.

MYLO

FOR DIETETIC MEDICINAL PREPARATION.
Claims use since Feb. 22, 1946.

Ser. No. 502,904. LES LABORATOIRES DE LA JEUNESSE, S. A. R. L., Paris, France. Filed May 28, 1946.

PARFUMS MARNY

No claim is made to the word "Parfums" apart from the mark as shown.
FOR PERFUMES, TOILET WATERS AND COLOGNES, FACE AND HAND CREAMS AND LOTIONS, POWDER, LIPSTICK, ROUGE, AND NAIL POLISH.
Claims use since January 1945.

Ser. No. 503,324. THE PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa. Filed June 5, 1946.

WB-50

FOR INSECTICIDES.
Claims use since Feb. 21, 1946.

Ser. No. 503,412. AMERICAN CYANAMID & CHEMICAL CORPORATION, New York, N. Y., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine. Filed June 7, 1946.

CYLON

FOR INSECTICIDES IN LIQUID, SPRAY AND DUST FORM AND ANT POISONS FOR AGRICULTURAL, HORTICULTURAL OR HOUSEHOLD USE.
Claims use since June 3, 1946.

Ser. No. 503,602. SANITA CHEMICAL & SUPPLY COMPANY, Indianapolis, Ind. Filed June 10, 1946.

The term "Weed" is disclaimed apart from the mark.
FOR CONCENTRATED SPRAYABLE WEED KILLER LIQUID.
Claims use since Apr. 5, 1946.

Ser. No. 504,228. WALLACE LABORATORIES, INC., New Brunswick, N. J. Filed June 19, 1946.

INTRADERM
SKIN PENETRANT
TYROTHRICIN SOLUTION

The words "Skin Penetrant" and "Tyrothricin Solution" are disclaimed apart from the mark as shown.

FOR PREPARATION IN LIQUID FORM FOR THE TREATMENT OF IMPETIGO, PARONYCHIA, CELLULITIS, INFECTED WOUNDS, ABSCESSES, SYCOSIS VULGARIS, ECTHYMA AND VARICOSE, DIABETIC AND DECUBITAL ULCERS, AND LIKE INFECTIONS CAUSED OR COMPLICATED BY GRAM-POSITIVE MICROORGANISMS.

Claims use since May 1, 1946.

Ser. No. 504,229. WALLACE LABORATORIES, INC., New Brunswick, N. J. Filed June 19, 1946.

INTRADERM
SKIN PENETRANT
T.C.A.P. SOLUTION

The words "Skin Penetrant" and "Solution" are disclaimed apart from the mark as shown.

FOR PREPARATION IN LIQUID FORM FOR USE IN THE TREATMENT OF RINGWORM OF THE SCALP, RINGWORM OF THE NAILS AND OTHER FUNGUS INVESTIONS OF THE HUMAN BODY.

Claims use since Apr. 26, 1946.

Ser. No. 504,320. THE BOTTLED GAS COMPANY OF AMERICA, Westfield, N. J. Filed June 21, 1946.

THRIF-T GAS

The term "Gas" is disclaimed apart from the mark shown.

FOR BOTTLED GAS.

Claims use since Jan. 5, 1945.

Ser. No. 504,321. THE BOTTLED GAS COMPANY OF AMERICA, Westfield, N. J. Filed June 21, 1946.

THRIF-T
Bottled GAS

The term "Bottled Gas" is disclaimed apart from the mark shown.

FOR BOTTLED GAS.

Claims use since Apr. 11, 1946.

Ser. No. 505,010. EDMOND ROSENS, Paris, France. Filed July 2, 1946.

ARMORIAL

FOR PERFUMES, TOILET WATERS, ROUGE, LIPSTICK, AND FACE CREAMS.

Claims use since May 31, 1939.

Ser. No. 505,011. EDMOND ROSENS, Paris, France. Filed July 2, 1946.

FRINGANT

FOR PERFUMES, TOILET WATERS, ROUGE, LIPSTICK, AND FACE CREAMS.

Claims use since May 31, 1939.

Ser. No. 505,221. MILES LABORATORIES, INC., Elkhart, Ind. Filed July 8, 1946.

MINUTINA

FOR ANALGESIC PRODUCT FOR RELIEF FROM PAIN AND DISCOMFORT CAUSED BY FUNCTIONAL HEADACHE, NEURALGIA, MENSTRUAL PAINS AND FROM MUSCULAR PAINS AND PAIN FOLLOWING TOOTH EXTRACTION.

Claims use since Mar. 5, 1946.

Ser. No. 505,765. MONSANTO CHEMICAL COMPANY, St. Louis, Mo. Filed July 17, 1946.

NIPHOS

FOR CHEMICAL PRODUCTS FOR USE IN COMBATING INSECTS AND FUNGI.

Claims use since July 9, 1946.

Ser. No. 512,015. E. C. PAGE, doing business as Page Testing Laboratory, Ventura, Calif. Filed Nov. 4, 1946.

SOLITE

FOR CHEMICAL COMPOUND USED IN THE PETROLEUM INDUSTRY AS A CONDITIONER OF MAKE-UP WATER FOR DRILLING MUD AND ALSO IN TREATING WATER AND REMOVAL OF SCALE FROM STEAM BOILERS.

Claims use since June 1943.

CLASS 7

CORDAGE

Ser. No. 485,524. CHICAGO PRINTED STRING COMPANY, Chicago, Ill. Filed July 7, 1945.

TIE ◇ TIE
Ribbonette

FOR TAPE AND RIBBON USED FOR TYING GIFT AND OTHER PACKAGES AND FOR OTHER TYING USES.

Claims use since July 1931.

Ser. No. 502,840. PLYMOUTH CORDAGE COMPANY, Plymouth, Mass. Filed May 27, 1946.

GREEN TOP

FOR BINDER TWINE MADE OF VEGETABLE HARD FIBRE.

Claims use since November 1931.

Ser. No. 509,920. CHICAGO PRINTED STRING COMPANY, Chicago, Ill. Filed Sept. 28, 1946.

Chiprene

FOR WRAPPING STRING OR TAPE USED AS TYING MATERIAL.

Claims use since Sept. 2, 1946.

CLASS 10

FERTILIZERS

Ser. No. 501,225. AMERICAN CYANAMID COMPANY, New York, N. Y. Filed May 1, 1946.

AERO-PHOS

FOR NATURAL FLORIDA PHOSPHATE FOR FERTILIZING PURPOSES.

Claims use since Apr. 24, 1946.

Ser. No. 502,311. MARYLAND LIME & FERTILIZER CORP., Hagerstown, Md. Filed May 17, 1946.

GREEN THUMB
MARL

No claim is made to the word "Marl" apart from the mark.

FOR FERTILIZER.

Claims use since Mar. 11, 1946.

Ser. No. 502,503. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del. Filed May 21, 1946.

NUGREEN

Applicant is the owner of registration No. 231,578 for the word "Nu-Green" for grass stimulants.

FOR FERTILIZERS.

Claims use since Apr. 26, 1946.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 501,439. CONSOLIDATED COSMETICS, Chicago, Ill. Filed May 4, 1946.

TABU

FOR FOUNTAIN PEN INK, CARBON PAPER, TYPEWRITER RIBBON, AND TATTOOING INK.

Claims use since Apr. 17, 1946.

CLASS 12
CONSTRUCTION MATERIALS

Ser. No. 493,474. THE BABCOCK & WILCOX COMPANY, New York, N. Y. Filed Dec. 18, 1945.

FOR FIREBRICK; INSULATING FIREBRICK; AND REFRACTORY MATERIALS—NAMELY, MORTARS, CASTABLES, CALCINES, AND PLASTICS.
Claims use since Nov. 7, 1945.

Ser. No. 498,258. CARL M. SHELTON, doing business as Plystone Company, Columbia, S. C. Filed Mar. 14, 1946.

PLYSTONE

FOR SEMI-LIQUID FLOOR RESURFACING MATERIAL, HAVING AN ASPHALTIC BASE AND ADAPTED FOR USE WITH WOOD, CONCRETE AND/OR COMPOSITION FLOORS.
Claims use since Feb. 11, 1946.

Ser. No. 507,393. THE HALLEMITE MANUFACTURING COMPANY, Cleveland, Ohio. Filed Aug. 14, 1946.

FLOORCRETE

FOR FIBRATED AND UNFIBRATED ASPHALT MASTIC FOR PATCHING, RESURFACING, AND DAMPPROOFING CONCRETE AND BRICK FLOORS AND WALLS.
Claims use since Dec. 29, 1927.

CLASS 14
METALS AND METAL CASTINGS AND FORGINGS

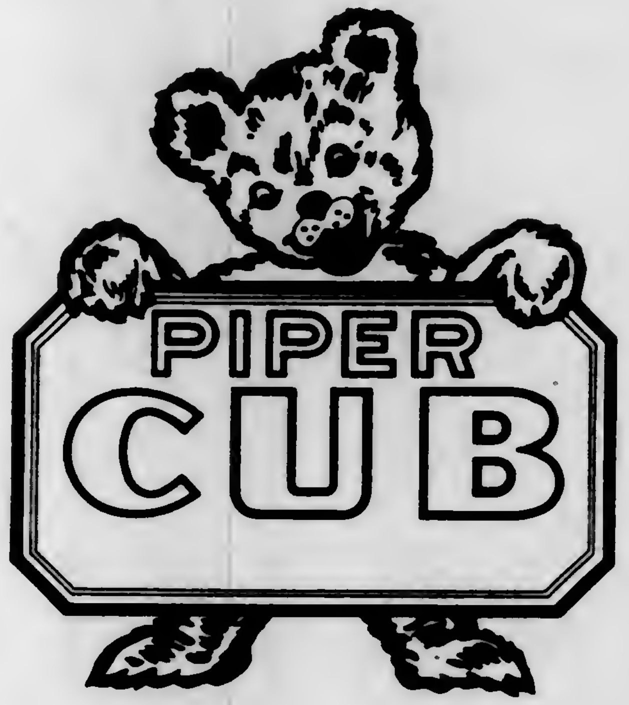
Ser. No. 483,719. DOEHLER-JARVIS CORPORATION, New York, N. Y. Filed May 24, 1945.

DO-LITE

FOR NON-FERROUS METAL ALLOY AND CASTINGS MADE THEREFROM.
Claims use since Feb. 27, 1919.

CLASS 19
VEHICLES

Ser. No. 500,123. PIPER AIRCRAFT CORPORATION, Lock Haven, Pa. Filed Apr. 12, 1946.



The word "Piper" is disclaimed separate and apart from the mark.
FOR AIRPLANES AND STRUCTURAL PARTS THEREOF.
Claims use on the word "Cub" continuously since Feb. 1, 1936; on the word "Piper" continuously since May 1937; and on the complete composite trade-mark of "Piper Cub" and the design as shown in the drawing continuously since May 1937.

Ser. No. 503,028. WESTIN NEW HAVEN COMPANY, INC., Mount Carmel, Conn. Filed May 29, 1946.

KAY-DEE
Knock Down

The words "Knock-Down" are disclaimed apart from the mark.
FOR KAYAKS.
Claims use since May 20, 1946.

Ser. No. 503,403. THE VILLAGE GREEN TRAILER COMPANY, Media, Pa. Filed June 6, 1946.

Quaker
Coach

No claim is made to the word "Coach" apart from the mark.
FOR TRAILERS—NAMELY, HOUSE TRAILERS.
Claims use since Feb. 5, 1946.

Ser. No. 503,517. HOPPI-COPTERS, INC., Seattle, Wash. Filed June 8, 1946.

HOPPI-COPTER

FOR ROTARY WING AIRCRAFT.
Claims use since Nov. 23, 1944.

Ser. No. 505,390. CHARLES W. CLEMENS, JR., South Bend, Ind. Filed July 11, 1946.

SNUGGLE
SACK

The word "Sack" is disclaimed apart from the mark.
FOR SHOULDER SUPPORTED INFANT CARRYING SEATS.
Claims use since June 18, 1946.

Ser. No. 505,650. HIGGINS, INC., New Orleans, La. Filed July 15, 1946.

"ENDURONITE"

FOR PREFABRICATED, PLASTICIZED BONDED PLYWOOD CABIN UNITS FOR TUG BOATS AND WORK BOATS AND BUILT-IN PLYWOOD SEATS AND BUILT-IN CABINETS FOR BOATS.
Claims use since May 1945.

CLASS 20
LINOLEUM AND OILED CLOTH

Ser. No. 504,732. ARMSTRONG CORK COMPANY, Manheim Township, Lancaster County, Pa. Filed June 28, 1946.

Corlon

FOR HARD SURFACED FLOOR COVERING HAVING A SYNTHETIC RESINOUS BINDER.
Claims use since June 21, 1946.

CLASS 21
ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 481,938. DAVID BOGEN COMPANY, INC., New York, N. Y. Filed Apr. 10, 1945.

Communo Phone

The word "Phone" is disclaimed apart from the mark as shown.
FOR SOUND EQUIPMENT—NAMELY, ELECTRICAL AMPLIFIERS, INTER-COMMUNICATION SYSTEMS USING LOUD-SPEAKING TELEPHONE RECEIVERS, AND SPEAKERS AND MICROPHONES FOR SUCH SYSTEMS.
Claims use since July 1, 1936.

Ser. No. 489,916. LITTELFUSE INCORPORATED, Chicago, Ill., and El Monte, Calif. Filed Oct. 13, 1945.

LF

FOR ELECTRICAL FUSES, ELECTRICAL FUSE MOUNTINGS, ELECTRICAL FUSE CLIPS, ELECTRICAL CIRCUIT BREAKERS, AND NEON PILOT LIGHTS AND LAMPS, TELEPHONE ANNUNCIATORS, PILOT LIGHTS AND LAMP INDICATORS.
Claims use since Aug. 21, 1944.

Ser. No. 498,760. ERIE RESISTOR CORPORATION, Erie, Pa. Filed Mar. 22, 1946.

PLEXICON

FOR ELECTRICAL CONDENSER ASSEMBLIES AND PARTS THEREOF.
Claims use since Oct. 3, 1945.

Ser. No. 501,588. THE OKONITE COMPANY, Passaic, N. J. Filed May 7, 1946.

SEMICON

FOR ELECTRICAL INSULATING TAPE.
Claims use since Dec. 29, 1944.

Ser. No. 503,634. CLAROSTAT MFG. CO. INC., Brooklyn, N. Y. Filed June 11, 1946.

GLASOHMS

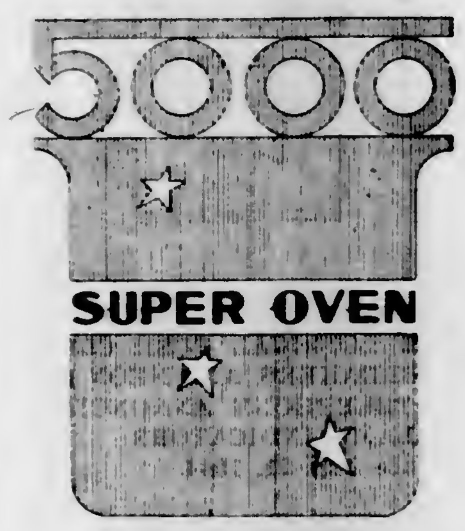
FOR RESISTORS, FIXED RESISTORS, POWER RESISTORS, BALLAST RESISTORS, AND GLASS INSULATED RESISTORS.
Claims use since January 1938.

Ser. No. 503,635. CLAROSTAT MFG. CO. INC., Brooklyn, N. Y. Filed June 11, 1946.

GREENOHMS

FOR RESISTORS, FIXED RESISTORS, POWER RESISTORS, BALLAST RESISTORS, AND CERAMIC INSULATED RESISTORS.
Claims use since January 1938.

Ser. No. 505,966. A. J. LINDEMANN & HOVERSON COMPANY, Milwaukee, Wis. Filed July 20, 1946.



No claim is made to the words "Super Oven" apart from the mark. The drawing is lined for the color red.
FOR ELECTRIC STOVES AND RANGES AND ELECTRICAL OVENS.
Claims use since Jan. 3, 1940.

Ser. No. 506,235. ELECTRONIC WATER TREATMENT CORP., New York, N. Y., and Jersey City, N. J. Filed July 25, 1946.

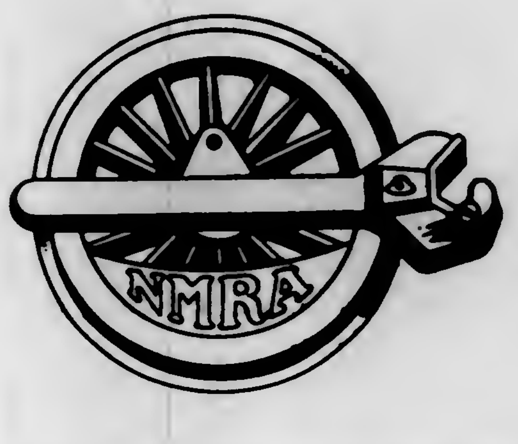
Hydrotron

FOR APPARATUS FOR THE ELECTRICAL TREATMENT OF WATER TO PREVENT OR DIMINISH THE EFFECTS OF THE HARDNESS THEREOF, WHICH APPARATUS IS USED IN CONNECTION WITH BOILERS, TANKS, COMPRESSORS, EVAPORATORS, CONDENSERS AND OTHER VESSELS, MACHINES, AND APPARATUSES USING WATER.
Claims use since June 1, 1946.

CLASS 22

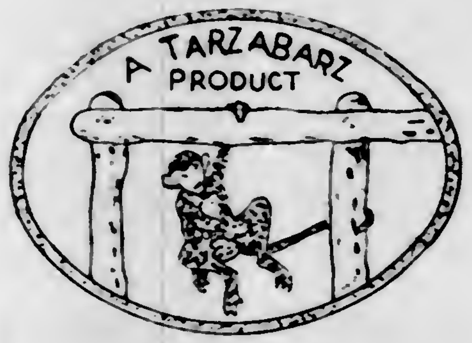
GAMES, TOYS, AND SPORTING GOODS

Ser. No. 486,327. NATIONAL MODEL RAILROAD ASSOCIATION, Detroit, Mich. Filed July 26, 1945. Under the act of February 20, 1905, as amended June 10, 1938.



FOR MODEL MINIATURE RAILROADS AND PARTS THEREOF AND ACCESSORIES THEREFOR—NAMELY, CAR BODIES, CAR COUPLERS, CAR TRUCKS, RAILS, TIES, SWITCHES, SWITCH CONTROLS, SIGNALS, STATIONS, AND TOWERS.
Claims use since September 1937.

Ser. No. 489,788. JOSEPH D. BEARD, doing business as Riverside Wood Products Company, Riverside, Calif. Filed Oct. 11, 1945.



Applicant hereby disclaims the use of the word "Product" apart from the mark as shown.
FOR PLAYGROUND EQUIPMENT—NAMELY, SWINGS, BAR GYMNASIUMS, AND SLIDES.
Claims use since June 1, 1945.

Ser. No. 490,364. DUNLOP TIRE AND RUBBER CORPORATION, Buffalo, N. Y. Filed Oct. 23, 1945. Under section 5b of the act of 1905 as amended in 1920.

DUNLOP
Pillo-Foam

Applicant disclaims the words "Foam" and "Pillo" except or aside from the combination shown.
FOR GYMNASIUM PADS.
Claims use since Sept. 27, 1945.

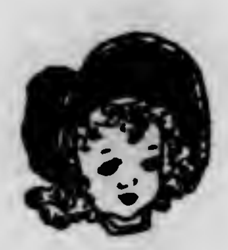
Ser. No. 492,763. CURRAN CUSHION & TEXTILE CO., Downers Grove, Ill. Filed Dec. 6, 1945.

Vegie-Doll

The word "Doll" is disclaimed apart from the mark.
FOR DOLLS.
Claims use since Nov. 13, 1945.

Ser. No. 492,791. REPUBLIC PRECISION MFG. CO., Chicago, Ill. Filed Dec. 6, 1945.

Dolly's



FOR TOY METAL FURNITURE SETS CONSISTING OF A TABLE AND FOUR CHAIRS.
Claims use since Jan. 5, 1945.

Ser. No. 496,058. ZIPPO-COPTER COMPANY, Longmeadow, Mass. Filed Feb. 5, 1946.

ZIPPO
COPTER

The trade-mark consists of the words "Zippo Copter."
FOR TOY COMPRISING A FLYING PROPELLER-LIKE MEMBER AND A ROTATABLE MEMBER FOR CAUSING SAID MEMBER TO FLY.
Claims use since Dec. 19, 1945.

Ser. No. 496,059. ZIPPO-COPTOR COMPANY, Longmeadow, Mass. Filed Feb. 5, 1946.

ZIPPO
COPTOR

The trade-mark consists of the word "Zippo Coptor."
FOR TOY COMPRISING A FLYING PROPELLER-LIKE MEMBER AND A ROTATABLE MEMBER FOR CAUSING SAID MEMBER TO FLY.
Claims use since Dec. 19, 1945.

Ser. No. 501,576. MILTON S. KNAPP, Haverton, Pa. Filed May 7, 1946.

PLUS AND MINUS

FOR GAME FOR TEACHING CHILDREN TO ADD AND SUBTRACT.
Claims use since Feb. 14, 1946.

Ser. No. 506,765. TRACY S. PARK, Houston, Tex. Filed Aug. 2, 1946.

BLUE GOOSE

FOR GOLF CLUBS.
Claims use since Sept. 30, 1944.

Ser. No. 511,248. SHURERITE INC., Bronson, Mich. Filed Oct. 21, 1946.

"Glutton"

FOR FISH LURES.
Claims use since August 1942.

Ser. No. 511,395. THE KALAMAZOO SLED COMPANY, Kalamazoo, Mich. Filed Oct. 24, 1946.

CHAMPION

FOR HAND SLEDS.
Claims use since 1910.

Ser. No. 511,396. THE KALAMAZOO SLED COMPANY, Kalamazoo, Mich. Filed Oct. 24, 1946.

Rocket Racer

No claim is made to the word "Racer" apart from the mark as shown.
FOR HAND SLEDS.
Claims use since about Sept. 1, 1936.

Ser. No. 515,686. THE SOCK-IT COMPANY, High Point, N. C. Filed Jan. 13, 1947.

Whirl-King

No claim is made to the word "Whirl" apart from the mark.
FOR TOY TOPS.
Claims use since Sept. 16, 1946.

Ser. No. 515,720. MUTUAL INTERNATIONAL CORPORATION, New York, N. Y. Filed Jan. 14, 1947.

MUTINCA

FOR TOY PHONOGRAPHS.
Claims use since Aug. 1, 1946.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 486,223. THE STANLEY WORKS, New Britain, Conn. Filed July 24, 1945.

3

FOR HAND PLANES.
Claims use since about 1877.

Ser. No. 486,224. THE STANLEY WORKS, New Britain, Conn. Filed July 24, 1945.

4

FOR HAND PLANES.
Claims use since about 1877.

Ser. No. 489,676. HAROLD E. POND, doing business as Pond Garden Tractor Company, Ravenna, Ohio. Filed Oct. 9, 1945.

RIDA-TILLER

The word "Tiller" is disclaimed apart from the mark.
FOR ROTARY TYPE GARDEN TRACTORS.
Claims use since Dec. 1, 1941.

Ser. No. 489,706. ARKWRIGHT, INCORPORATED, New York, N. Y. Filed Oct. 10, 1945.

PACE MAKER

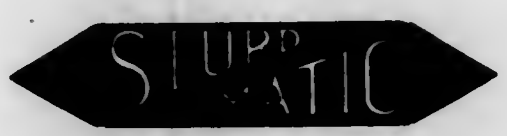
FOR LAWNMOWERS, LAWN SPRAYERS, SPRAYGUNS, NON-ELECTRIC UNATTACHED HAND OPERATED.
Claims use since June 1935.

Ser. No. 490,441. THE OSBORN MANUFACTURING COMPANY, Cleveland, Ohio. Filed Oct. 24, 1945.

MASTER

FOR WIRE BRUSHES FORMING PARTS OF INDUSTRIAL MACHINES, BRUSHES MADE FROM WIRE FOR MOUNTING UPON SHAFTING, POWER OPERATED ROTARY BRUSHES FOR POLISHING AND CLEANING AND SECTIONS AND PARTS OF SUCH BRUSHES.
Claims use since about April 1923.

Ser. No. 490,511. STURDIMATIC TOOL CO., Detroit, Mich. Filed Oct. 25, 1945.



The word "Sturdi" is disclaimed apart from the mark as shown on the drawing.
FOR LATHE CENTERS.
Claims use since Mar. 17, 1930.

Ser. No. 492,044. HENRY L. HANSON COMPANY, North Attleboro, Mass. Filed Nov. 23, 1945.

TAILORED

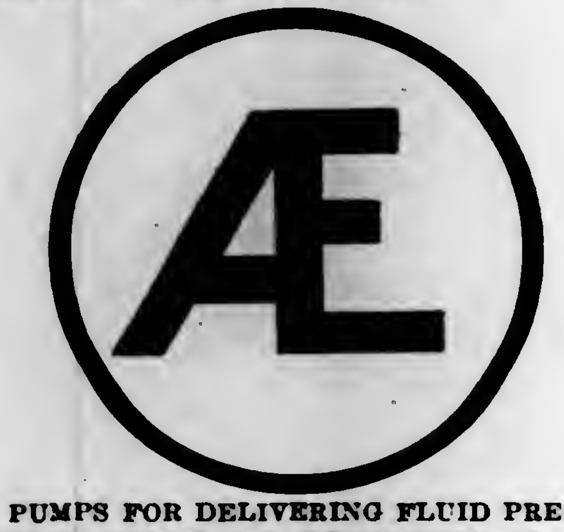
FOR THREADING TOOLS—NAMELY, SCREW-CUTTING TAPS AND DIES.
Claims use since February 1945.

Ser. No. 492,417. BALCRANK, INC., Cincinnati, Ohio. Filed Nov. 30, 1945.

"MINIT"

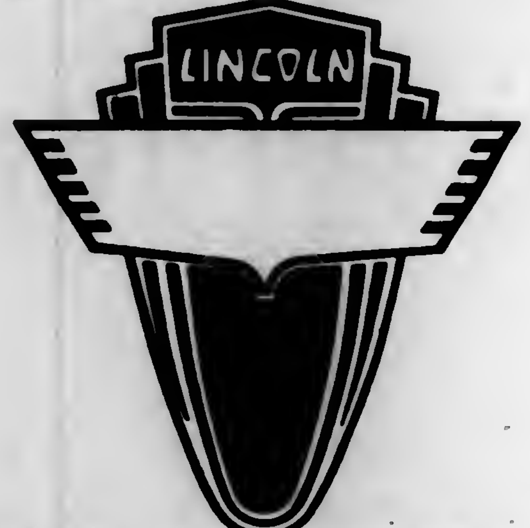
FOR HAND OPERATED GREASE PUMPS.
Claims use since Sept. 19, 1945.

Ser. No. 499,885. AMERICAN ENGINEERING COMPANY, Philadelphia, Pa. Filed Apr. 9, 1946.



FOR PUMPS FOR DELIVERING FLUID PRESSURE, HYDRAULIC POWER TRANSMISSIONS, STEERING GEARS, WINDLASSES, HOISTS, WINCHES, CAPSTANS, GYPSIES (GYPSIES ARE SIMILAR IN SOME RESPECTS TO POWER DRIVEN CAPSTANS BUT GENERALLY HAVE ONLY ONE MECHANICAL SPEED AND ARE NEVER ARRANGED FOR HAND OPERATION), TELEMOTORS, AND TOWING MACHINES, AND PARTS THEREOF.
Claims use since Feb. 13, 1945.

Ser. No. 500,989. LINCOLN ENGINEERING COMPANY, St. Louis, Mo. Filed Apr. 26, 1946.



Applicant makes no claim to the word "Lincoln" apart from the mark shown.
FOR PORTABLE AND STATIONARY LUBRICATING APPARATUS OF AUTOMATIC, SEMI-AUTOMATIC AND MANUAL TYPES FOR MACHINERY AND AUTOMOTIVE EQUIPMENT, AND MACHINES FOR WASHING AIR FILTERS.
Claims use since Apr. 22, 1946.

Ser. No. 502,392. THE MIDLAND COMPANY, South Milwaukee, Wis. Filed May 18, 1946.

DANDY BOY

FOR SEEDERS, COMBINATION SEEDERS AND CULTIVATORS, BROADCAST SEEDERS, GARDEN RAISERS AND MULCHERS, WHEEL HOES, DISC HOES, CRUST BREAKERS AND CEMENT BLOCK MAKING MACHINES.
Claims use since June 20, 1940.

Ser. No. 502,841. POWER-PAK PRODUCTS INC., Buffalo, N. Y. Filed May 27, 1946.

Power-Pak

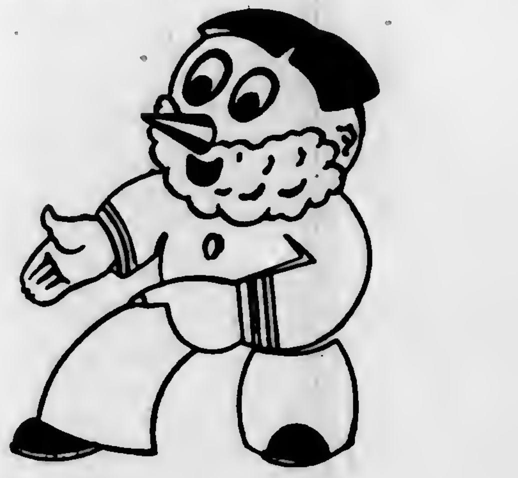
The exclusive right to the use of the word "Power" apart from the mark is disclaimed.
FOR TIRE INFLATION AND FIRE EXTINGUISHING UNIT COMPRISED OF A CYLINDER FILLED WITH COMPRESSED CARBON DIOXIDE.
Claims use since Apr. 9, 1946.

Ser. No. 504,504. NATIONAL METAL PRODUCTS COMPANY, Kansas City, Mo. Filed June 24, 1946.

Demon

FOR POWER DRIVEN MOWING MACHINE.
Claims use since Dec. 12, 1945.

Ser. No. 504,576. PAL BLADE CO., INC., New York, N. Y. Filed June 25, 1946.



FOR RAZOR BLADES.
Claims use since September 1939.

Ser. No. 504,828. FILCOOLATOR MANUFACTURING COMPANY, Culver City, Calif. Filed June 29, 1946.

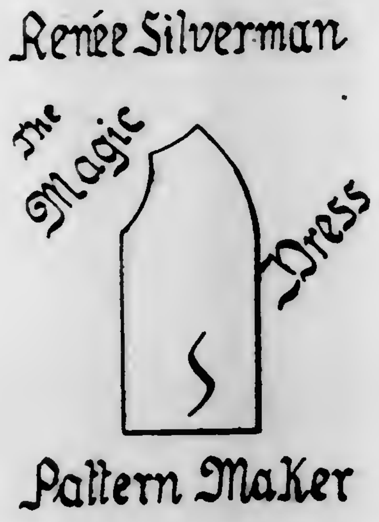
FILCOOLATOR

FOR COMBINATION OIL FILTER AND HEAT EXCHANGER FOR INTERNAL COMBUSTION ENGINES.
Claims use since Apr. 24, 1946.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 462,858. Renée H. Silverman, New York, N. Y. Filed Aug. 19, 1943.



All words in the mark excepting the word "Magic" and the representation of the goods shown on the drawing are herein disclaimed by applicant.
FOR DRESS PATTERNS.
Claims use since January 1942.

Ser. No. 488,753. Grant Photo Products, Inc., New York, N. Y. Filed Sept. 20, 1945.

ORTHOVERSAL

FOR SENSITIZED PHOTOGRAPHING PAPER, SPECIFICALLY DIRECT POSITIVE ORTHOCHROMATIC PHOTOGRAPHIC PAPER.
Claims use since Aug. 27, 1945.

Ser. No. 498,735. Taylor, Taylor & Hobson Limited, Leicester, England. Filed Mar. 21, 1946.

PLANITAL

FOR PHOTOGRAPHIC LENSES.
Claims use since Dec. 13, 1934.

Ser. No. 498,736. Taylor, Taylor & Hobson Limited, Leicester, England. Filed Mar. 21, 1946.

UNIFIT

FOR CINEMATOGRAPH PROJECTION LENSES.
Claims use since Aug. 5, 1924.

Ser. No. 499,739. Taylor, Taylor & Hobson Limited, Leicester, England. Filed Apr. 5, 1946.

MIROTAL

FOR PHOTOGRAPHIC LENSES.
Claims use since Apr. 30, 1935.

Ser. No. 499,741. Taylor, Taylor & Hobson Limited, Leicester, England. Filed Apr. 5, 1946.

TALYMIN

FOR ENGINEERS' MEASURING INSTRUMENTS—NAMELY, LINEAR COMPARATORS.
Claims use since Jan. 8, 1918.

Ser. No. 499,742. Taylor, Taylor & Hobson Limited, Leicester, England. Filed Apr. 5, 1946.

TALYSURF

FOR SURFACE ROUGHNESS MEASURING INSTRUMENTS.
Claims use since May 9, 1941.

Ser. No. 503,168. Osborn Fort Hevener, Irvington, N. J. Filed June 1, 1946.

AIRCLOCK

The drawing is lined for shading only.
FOR HUMIDITY INDICATORS OPERATING ON THE PRINCIPAL OF THE WET BULB THERMOMETER.
Claims use since May 1, 1946.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 501,269. The New Haven Clock Company, New Haven, Conn., assignor to New Haven Clock and Watch Company, New Haven, Conn., a corporation of Connecticut. Filed May 1, 1946.

To-Tem

FOR CLOCKS, WATCHES, AND PARTS THEREOF.
Claims use since Jan. 26, 1924.

Ser. No. 505,288. Julian Bronislaw de Kurowski, London, England. Filed July 9, 1946.

OPTIM

FOR CLOCKS.
Claims use since May 23, 1945.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 501,846. Helfer & Co., Chicago, Ill. Filed May 10, 1946.

Mi-Bride

FOR FINGER RINGS AND MOUNTINGS THEREFOR.
Claims use since on or about Apr. 10, 1946.

Ser. No. 506,742. Senta Elias, doing business as Corona Mfg. Co., New York, N. Y. Filed Aug. 2, 1946.

Indra

FOR SIMULATED PEARLS AND COSTUME JEWELRY.
Claims use since July 25, 1946.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 503,631. E. L. Bruce Co., Memphis, Tenn. Filed June 11, 1946.

DOOZIT

FOR COMBINED BRUSH AND STEEL WOOL PAD FOR USE IN CLEANING FLOORS.
Claims use since May 31, 1946.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 490,365. Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Filed Oct. 23, 1945. Under section 5b of the act of 1905 as amended in 1920.

DUNLOP
Pillo-Foam

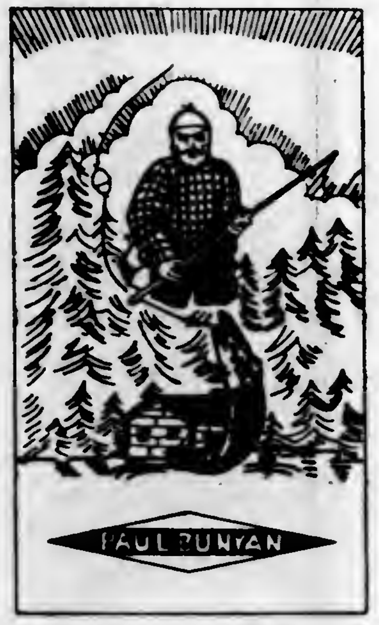
Applicant disclaims the words "Foam" and "Pillo" except or aside from the combination shown.
FOR CUSHIONS, MATTRESSES AND MATTRESS PADS, MATTRESSES AND MATTRESS PADS FOR AMBULANCE COTS, AND OFFICE CHAIR CUSHIONS.
Claims use since Sept. 27, 1945.

Ser. No. 497,365. Brenner-Bell, Inc., Columbus, Ohio. Filed Feb. 28, 1946.

BARMASTER

FOR PORTABLE CABINET FOR DISPENSING VARIOUS BEVERAGES.
Claims use since Aug. 18, 1945.

Ser. No. 501,360. Brainerd Bedding Co., Brainerd, Minn. Filed May 3, 1946.



The figure of the man shown in the mark is fanciful. "Paul Bunyan" is a character out of American mythology. He is the legendary hero of many a tall-tale narrated in the lumber camps of Minnesota and the Northwest.
FOR MATTRESSES, INNER SPRINGS, STUDIO COUCHES, AND BOX SPRINGS.
Claims use since Nov. 2, 1940.

Ser. No. 501,423. Albert Trossman, doing business as Twi-Lite Bedding Company, Chicago, Ill. Filed May 3, 1946.

TWI-LITE BEDDING CO.

Exclusive use of the words "Bedding Co" is not claimed apart from the rest of the mark.
FOR MATTRESSES, STUDIO COUCHES, AND BOX SPRINGS.
Claims use since Nov. 11, 1945.

Ser. No. 502,361. Abalone Manufacturing Company, Hawthorne, Calif. Filed May 18, 1946.

ABALONE

FOR VENETIAN BLINDS.
Claims use since July 1, 1938.

CLASS 34

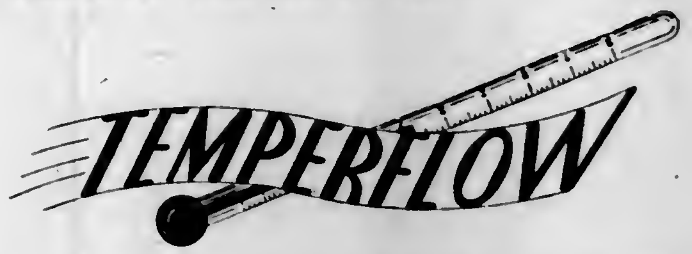
HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 500,830. S & S Heating Company, Detroit, Mich. Filed Apr. 24, 1946.

Silver Flame

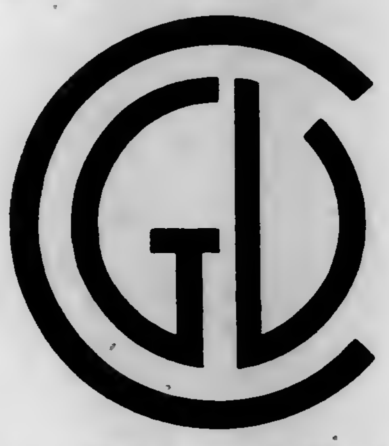
The word "Flame" is disclaimed apart from the mark.
FOR GAS BURNERS FOR SPACE HEATERS.
Claims use since Feb. 11, 1946.

Ser. No. 506,596. General Utilities Corporation, Philadelphia, Pa. Filed July 31, 1946.



FOR FUEL OIL-BURNING BOILERS AND BURNERS, AND PUMPS AND TANKS ALL OF WHICH ARE USED FOR HOME AND INDUSTRIAL HEATING APPARATUS.
Claims use since Apr. 10, 1946.

Ser. No. 506,597. General Utilities Corporation, Philadelphia, Pa. Filed July 31, 1946.



FOR OIL BURNERS, OIL BOILERS, OIL FURNACES, FORCED WATER CIRCULATING UNITS, PUMPS, AND TANKS FOR USE IN HOME AND INDUSTRIAL HEATING APPARATUS.
Claims use since Apr. 10, 1946.

Ser. No. 508,278. The Farquhar Furnace Company, Wilmington, Ohio. Filed Aug. 30, 1946.

"FARQUAR"

FOR COAL, OIL, AND GAS BURNING FURNACES, FOR HOUSEHOLD AND INDUSTRIAL USE.
Claims use since May 6, 1908.

Ser. No. 509,433. Metalite, Inc., Meriden, Conn. Filed Sept. 20, 1946.

SPORTLINE

FOR FRICTION PYROPHORIC AND CATALYTIC CIGAR, CIGARETTE, AND PIPE LIGHTERS, AND PARTS FOR SUCH LIGHTERS.
Claims use since Aug. 15, 1946.

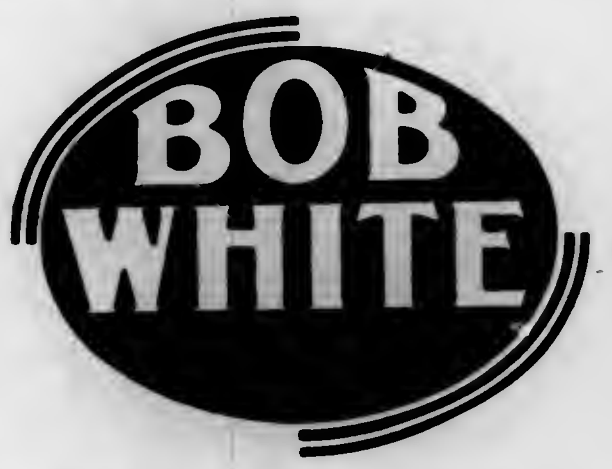
Ser. No. 513,932. General Machine Company, Inc., Emmaus, Pa. Filed Dec. 9, 1946.

GEMACO

FOR AUTOMATIC DOMESTIC COAL BURNERS AND STOKERS.
Claims use since Nov. 22, 1946.

CLASS 37
PAPER AND STATIONERY

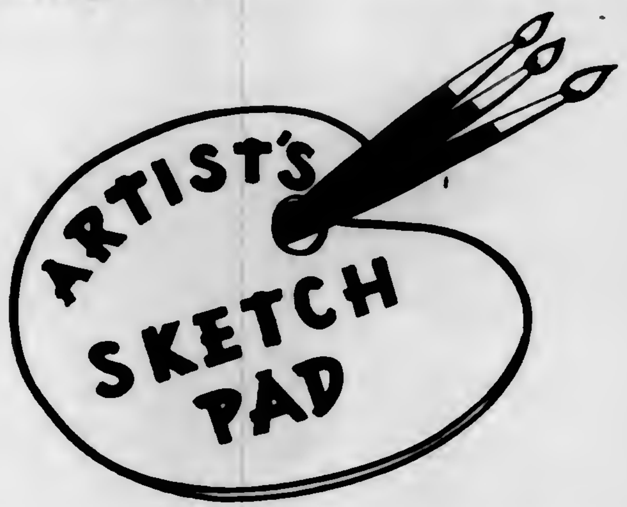
Ser. No. 496,679. A. P. W. Products Company, Inc., Albany, N. Y. Filed Feb. 16, 1946.



FOR PAPER FOR TOILET PURPOSES.
Claims use since Dec. 16, 1911, as to the words "Bob White;" and since July 19, 1938, on the mark presented.

CLASS 38
PRINTS AND PUBLICATIONS

Ser. No. 487,763. Brown & Bigelow, St. Paul, Minn. Filed Aug. 30, 1945.



FOR ART PRINTS AND PUBLICATIONS IN BOOK AND CALENDAR FORM.
Claims use since June 26, 1942.

Ser. No. 492,477. United States News Publishing Corporation, Washington, D. C. Filed Nov. 30, 1945.

WORLD REPORT

FOR PERIODICAL PUBLICATIONS.
Claims use since Nov. 28, 1945.

Ser. No. 498,043. United States News Publishing Corporation, Washington, D. C. Filed Mar. 11, 1946.

World Newspoints

FOR SECTION OF PERIODICAL PUBLICATIONS.
Claims use since Mar. 4, 1946.

Ser. No. 498,046. United States News Publishing Corporation, Washington, D. C. Filed Mar. 11, 1946.

World Dispatch

FOR SECTION OF PERIODICAL PUBLICATIONS.
Claims use since Mar. 4, 1946.

CLASS 39
CLOTHING

Ser. No. 501,796. Raphael Weill & Company, doing business as The White House, San Francisco, Calif. Filed May 9, 1946.

"ASCOT HAT"
MADE IN ENGLAND
EXPRESSLY FOR
The WHITE HOUSE.
SAN FRANCISCO.

No claim is made to the words "Hat," "Made in England Expressly for," and "San Francisco."
FOR WOMEN'S HATS.
Claims use since Mar. 1, 1924.

Ser. No. 502,367. Daviot Company, Los Angeles, Calif. Filed May 18, 1946.

CLOUDS

FOR RESILIENT, REMOVABLE INSOLES FOR MEN'S, WOMEN'S, AND CHILDREN'S SHOES.
Claims use since November 1945.

Ser. No. 502,890. General Shoe Corporation, Nashville, Tenn. Filed May 28, 1946.

TWENTY-ONES

The trade-mark consists of the notation "Twenty-Ones."
FOR WOMEN'S, MISSES', AND CHILDREN'S SHOES, SLIPPERS, MULES, AND PUMPS OF LEATHER, FABRIC, RUBBER, AND CLOTH AND COMBINATIONS THEREOF, GAITERS, OVERSHOES, WOODEN SHOWER CLOGS; AND HOSIERY.
Claims use since Apr. 13, 1946.

Ser. No. 503,391. Royal Knitting Mills, Inc., Chicago, Ill. Filed June 6, 1946.

KNITRON

FOR KNITTED WEAR—NAMELY, MEN'S, BOYS', LADIES', CHILDREN'S, AND INFANTS' SWEATERS, GLOVES, MITTENS, HEADWEAR, SPORT SHIRTS, SCARVES, HOSIERY, AND UNDERWEAR; LADIES', CHILDREN'S, AND INFANTS' DRESSES AND BLOUSES.
Claims use since May 10, 1946.

Ser. No. 505,461. Universal Mfg. Co. Inc., New York, N. Y. Filed July 11, 1946.

GOOD-NIGHT

FOR BOYS' PAJAMAS.
Claims use since 1930.

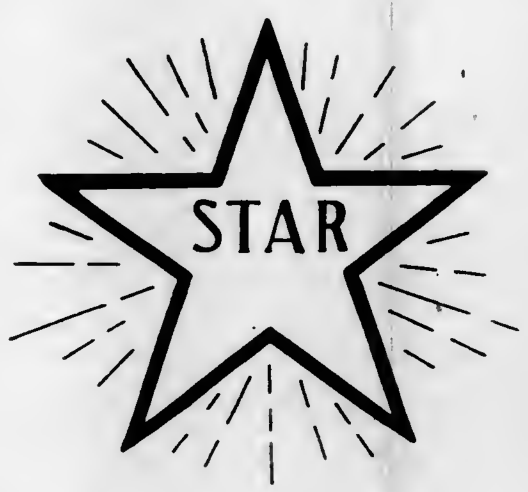
Ser. No. 505,644. Goodwins, Inc., Los Angeles, Calif. Filed July 15, 1946.

Lazy Dogs

FOR MEN'S SHOES, SLIPPERS, AND SPORT SHOES.
Claims use since January 1943.

CLASS 40
FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 503,771. J. Sullivan & Sons Manufacturing Company, Philadelphia, Pa., assignor to Continental-United Industries Co., Inc., New York, N. Y., a corporation of Delaware. Filed June 12, 1946.



FOR TAPES AND BINDINGS.
Claims use since 1865.

Ser. No. 508,821. The Ravon Company, Tullahoma, Tenn. Filed Sept. 10, 1946.

Ravon

FOR BUTTONS.
Claims use since September 1945.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 478,684. GRAF COMPANY, Union City, N. J. Filed Jan. 16, 1945.

LOVELY LADY

FOR CURTAINS, BED SPREADS, DRESSING TABLE SKIRTS, DRESSER SCARFS, AND PILLOW CASES.
Claims use since January 1938.

Ser. No. 490,916. BELVEDERE FABRICS INC., New York, N. Y. Filed Nov. 2, 1945.

CruisAir

FOR PIECE GOODS OF RAYON, COTTON, AND MIXTURES OF RAYON AND COTTON, RAYON AND WOOL, AND ALL COMBINATIONS THEREOF.
Claims use since December 1938.

Ser. No. 497,280. ALFRED VAMOS INC., New York, N. Y. Filed Feb. 26, 1946.

ELASTAPLAST

FOR LAMINATED TEXTILE FABRIC IN THE PIECE COMPOSED OF A PLASTIC RESIN FORMING THE FACE OF THE FINISHED GOODS WITH AN ELASTIC TEXTILE FABRIC BACKING USED FOR SHOE UPPERS AND HANDBAGS.
Claims use since Feb. 1, 1946.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 489,328. HARRY E. HUKILL, doing business as Hukill Manufacturing Company, Hollywood, Calif. Filed Oct. 3, 1945.

VEL VA-SOLE

The word "Sole" is disclaimed apart from the mark as shown.
FOR FOOT EXERCISING CUSHIONS IN THE NATURE OF ARCH RESTORERS.
Claims use since Aug. 15, 1945.

Ser. No. 490,366. DUNLOP TIRE AND RUBBER CORPORATION, Buffalo, N. Y. Filed Oct. 23, 1945. Under section 5b of the act of 1905 as amended in 1920.

DUNLOP
Pillo-Foam

Applicant disclaims the words "Foam" and "Pillo" except or aside from the combination shown.
FOR PADS FOR OPERATING TABLES, EXAMINING TABLES, AND TREATMENT TABLES.
Claims use since Sept. 27, 1945.

Ser. No. 496,727. THE OHIO CHEMICAL & MFG. CO., Cleveland, Ohio. Filed Feb. 16, 1946.

Climax

FOR STERILIZERS FOR DENTAL AND SURGICAL INSTRUMENTS, APPLIANCES, AND DRESSINGS.
Claims use since 1920.

Ser. No. 497,097. HOWARD ARNOLD COMPANY, Chicago, Ill. Filed Feb. 23, 1946.

Harco

FOR FINGER NAIL CLIPPERS, MANICURE SCISSORS, MANICURE FILES, MANICURE TWEEZERS, AND KITS CONTAINING COMBINATIONS OF THE FOREGOING NAMED ARTICLES.
Claims use since Jan. 2, 1946.

Ser. No. 497,362. ASSOCIATED PRODUCTS, INC., Chicago, Ill. Filed Feb. 28, 1946.

LANCELOT

FOR MANICURE IMPLEMENT SETS, MANICURE SCISSORS, NAIL FILES, CUTICLE PUSHERS, CUTICLE KNIVES, TWEEZERS, AND NAIL BUFFERS.
Claims use since Oct. 18, 1945.

Ser. No. 514,474. EDWARD C. HEMPHILL, doing business as Sleep Shade Co., San Francisco, Calif. Filed Dec. 18, 1946.

SLEEPWELL

FOR EAR STOPS OR PLUGS FOR DEADENING NOISES DURING REPOSE.
Claims use since Oct. 1, 1934.

Ser. No. 515,476. COSMOS DENTAL PRODUCTS, INC., New York, N. Y. Filed Jan. 8, 1947.

DEN-STONE

The word "Stone" is disclaimed apart from the mark as shown.
FOR POWDER FOR USE IN MAKING ARTIFICIAL STONES USED IN PREPARATION OF DENTURE MODELS.
Claims use since Dec. 19, 1946.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 487,783. THE E. H. KOESTER BAKERY COMPANY, Baltimore, Md. Filed Aug. 30, 1945.

The pictures of the twins are fanciful.
FOR BAKERY PRODUCTS—NAMELY, BREAD.
Claims use since July 27, 1945.

Ser. No. 488,773. PREMIER POPCORN ASSOCIATION, doing business as Premier Popcorn Co., Maple Park, Ill. Filed Sept. 20, 1945.

Golden Pearl

No claim is made to the word "Golden" apart from the mark.
FOR POPCORN IN ITS NATURAL STATE.
Claims use since July 1, 1939.

Ser. No. 491,168. NEW ENGLAND CONFECTIONERY COMPANY, Cambridge, Mass. Filed Nov. 6, 1945.

Climax

Applicant is the owner of the trade-mark shown in registration No. 46,683, dated Oct. 3, 1905.
FOR CANDY.
Claims use since September 1886.

Ser. No. 499,256. M & R DIETETIC LABORATORIES, INC., Columbus, Ohio. Filed Mar. 29, 1946.

CŌLAC

Applicant is the owner of Reg. No. 342,171.
FOR CONDENSED MILK PRODUCT COMPRISING A BLEND OF CREAM, MILK SOLIDS, SUGAR AND STABILIZERS FOR USE IN ICE CREAM MANUFACTURE.
Claims use since Oct. 1, 1937.

Ser. No. 499,340. MID-WEST POPCORN COMPANY, Omaha, Nebr. Filed Mar. 30, 1946.

Tender Blossom

The drawing is lined to indicate red color. Applicant disclaims exclusive use of "Tender" apart from the mark.
FOR POPCORN IN ITS NATURAL STATE.
Claims use since Nov. 1, 1945.

Ser. No. 500,393. LEE H. JANSSEN, doing business as Michigan State Hatchery, Corunna, Mich. Filed Apr. 17, 1946.

The words "Brand" and "Fed for Flavor" are disclaimed apart from the mark.
FOR LIVE TURKEYS SOLD FOR TABLE USE, AND TURKEYS FEATHER-DRESSED, OR DRESSED AND DRAWN.
Claims use since Mar. 22, 1946.

Ser. No. 504,547. Gilliam Candy Company, Paducah, Ky. Filed June 25, 1946.

CAT-TAIL

FOR CANDY.
Claims use since June 1932.

Ser. No. 506,007. California Canners Associates, Los Angeles, Calif. Filed July 22, 1946.

ORACOT

FOR CANNED FRUIT JUICES FOR FOOD PURPOSES—NAMELY, A BLENDED ORANGE, APRICOT, AND LEMON JUICE.
Claims use since July 2, 1946.

Ser. No. 506,632. Anheuser-Busch, Inc., St. Louis, Mo. Filed Aug. 1, 1946.

ZEET

FOR BOUILLON POWDER AND FOOD FLAVORING MATERIAL COMPRISING HYDROLYZED PLANT PROTEINS AND SALT.
Claims use since June 21, 1946.

Ser. No. 506,700. Helen Engelman Stegle, Elsa, Tex. Filed Aug. 1, 1946.

SUN-UP

Applicant is owner of registered Trade-Mark No. 263,593.

FOR FRESH CITRUS FRUITS.
Claims use since July 26, 1946.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 502,093. Anchor Hocking Glass Corporation, Lancaster, Ohio. Filed May 15, 1946.

MONITOR

FOR CLOSURE CAPS.
Claims use since Jan. 17, 1946.

Ser. No. 502,281. The Flexible File Company, Fremont, Ohio. Filed May 17, 1946.

DESKETTE

FOR DESK SETS CONSISTING OF A CASE WITH SHEARS AND LETTER OPENER.
Claims use since Dec. 15, 1945.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF FEBRUARY 20, 1905

MARCH 25, 1947

428,369. BREAKFAST CEREALS—NAMELY, ROLLED WHEAT, CRACKED WHEAT, TOASTED WHEAT, AND TOASTED RICE; DAIRY FEED, LAYING MASH, WHEAT FLOUR, AND HOG FEED—NAMELY, HOG BALANCER. Doughboy Mills, Inc., New Richmond, Wis., now by change of name Doughboy Industries, Inc.
Filed March 5, 1942. Serial No. 451,411. PUBLISHED JUNE 26, 1945. Class 46.

428,370. CARBON PAPER. The Standard Register Company, Dayton, Ohio.
Filed March 13, 1943. Serial No. 459,092. PUBLISHED JANUARY 7, 1947. Class 11.

428,371. CANNED VEGETABLES—NAMELY, CANNED LIMA BEANS. Safeway Stores, Incorporated, also doing business as Table Products Company, Baltimore, Md., and Oakland, Calif.
Filed March 15, 1943. Serial No. 459,186. PUBLISHED JANUARY 7, 1947. Class 46.

428,372. LATCHES FOR CASKETS. Donald A. Morand, doing business as East Side Tool & Die Works, Portland, Oreg.
Filed March 4, 1944. Serial No. 467,977. PUBLISHED DECEMBER 31, 1946. Class 25.

428,373. PICKLES, SPICES, PRESERVED VEGETABLES, AND MILK MARMALADE, A COMPOSITION HAVING A BASIS OF MILK SUGAR. Noel & Cia. Ltda. Sociedad Argentina de Dulces y Conservas, Buenos Aires, Argentina.
Filed March 20, 1944. Serial No. 468,469. PUBLISHED DECEMBER 24, 1946. Class 46.

428,374. BOOK ENDS; BREAKFRONTS; COFFEE TABLES; COCKTAIL TABLES; COMMODES; CREDENZAS; CURIO CABINETS; DESKS; END TABLES, ETC. Eckhardt-Berman Corp., Mount Vernon, N. Y.
Filed April 18, 1944. Serial No. 469,434. PUBLISHED DECEMBER 31, 1946. Class 32.

428,375. ELECTRICALLY DRIVEN MACHINES—NAMELY, FOR THE RECORDING OF SOUND ON GRAMOPHONE DISCS, FOR REPRODUCING SOUND FROM GRAMOPHONE DISCS, AND ELECTRICALLY CONTROLLED ENGRAVING MACHINES. Motosacoche Société Anonyme, Geneva, Switzerland.
Filed August 17, 1944. Serial No. 473,394. PUBLISHED DECEMBER 31, 1946. Class 21.

428,376. AUTOMOTIVE TRUCKS, FARM WAGONS, TRACTOR TRAILERS, AND STRUCTURAL PARTS THEREFOR. International Harvester Company, Chicago, Ill.
Filed October 4, 1944. Serial No. 474,904. PUBLISHED JANUARY 7, 1947. Class 19.

428,377. AUTOMOTIVE TRUCKS, FARM WAGONS, TRACTOR TRAILERS, AND STRUCTURAL PARTS THEREFOR. International Harvester Company, Chicago, Ill.
Filed October 4, 1944. Serial No. 474,905. PUBLISHED JANUARY 7, 1947. Class 19.

428,378. CANNED VEGETABLES AND CANNED FRUITS. New Era Canning Company, New Era, Mich.
Filed October 26, 1944. Serial No. 475,730. PUBLISHED DECEMBER 24, 1946. Class 46.

428,379. TRAILERS, STRUCTURAL PARTS FOR TRAILERS AND TRUCKS, SINGLE-AXLE AND TANDEM-AXLE SEMI-TRAILERS, AND TRUCK BODIES. Robert W. Pointer, doing business as Pointer-Willamette Company, Portland, Oreg.
Filed November 4, 1944. Serial No. 476,115. PUBLISHED DECEMBER 31, 1946. Class 19.

428,380. ARCH SUPPORTS. The Scholl Mfg. Co., Inc., Chicago, Ill.
Filed January 4, 1945. Serial No. 478,252. PUBLISHED JANUARY 7, 1947. Class 44.

428,381. TYMPAN COVERS AND SHEETS, ETC. Minnesota Mining & Manufacturing Company, St. Paul, Minn.
Filed January 15, 1945. Serial No. 478,639. PUBLISHED JANUARY 7, 1947. Class 50.

428,382. ARCH SUPPORTS. E-Z Walk Corporation, New York, N. Y.
Filed January 17, 1945. Serial No. 478,705. PUBLISHED JANUARY 7, 1947. Class 44.

428,383. RUBBER, ARTIFICIAL RUBBER, AND SYNTHETIC RUBBER IN THE FORM OF INSULATING SLEEVES FOR ELECTRIC CABLE JUNCTIONS. Hellermann Electric Limited, Oxford, England.
Filed January 24, 1945. Serial No. 478,955. PUBLISHED JANUARY 7, 1947. Class 21.

428,384. ELECTRIC TERMINALS AND CONTACTS OTHER THAN THOSE USED IN ELECTRICAL STARTING, IGNITION AND LIGHTING SYSTEMS FOR INTERNAL COMBUSTION ENGINES, ETC. Ampco Metal, Inc., Milwaukee, Wis.
Filed February 5, 1945. Serial No. 479,410. PUBLISHED DECEMBER 24, 1946. Class 21.

428,385. SOUND RECORDING AND REPRODUCING APPARATUS—NAMELY, APPARATUS FOR ELECTRICALLY RECORDING AND FOR ELECTRICALLY REPRODUCING DICTATION AND OTHER SPEECH AND SOUNDS. Thomas A. Edison, Incorporated, West Orange, N. J.
Filed February 14, 1945. Serial No. 479,785. PUBLISHED DECEMBER 24, 1946. Class 21.

428,386. FOOD PRODUCTS FOR HUMAN AND ANIMAL CONSUMPTION, ETC. Fruen Milling Company, Minneapolis, Minn.
Filed February 26, 1945. Serial No. 480,269. PUBLISHED JANUARY 7, 1947. Class 46.

428,387. CONFECTIONERY—NAMELY, CANDIES AND CHOCOLATES. Cynthia Sweets Company, East Boston, Mass.
Filed February 27, 1945. Serial No. 480,277. PUBLISHED DECEMBER 24, 1946. Class 46.

428,388. CANDIES. E. J. Brach & Sons, Chicago, Ill.
Filed April 14, 1945. Serial No. 482,134. PUBLISHED JANUARY 7, 1947. Class 46.

428,389. PHONOGRAPH NEEDLES. Elgin National Watch Company, Elgin, Ill.
Filed April 19, 1945. Serial No. 482,316. PUBLISHED JANUARY 7, 1947. Class 36.

428,390. FRUIT PRODUCTS—NAMELY, FRUIT JAMS, FRUIT JELLIES, FRUIT BUTTERS, AND FRUIT MARMALADE. Case-Swayne Company, Merced, Calif., assignor to Case-Swayne Co., Inc., Santa Ana, Calif., a corporation of Nevada.
Filed May 7, 1945. Serial No. 483,052. PUBLISHED DECEMBER 24, 1946. Class 46.

428,391. CYLINDERS AND CAPSULES FOR COMPRESSED GAS, ALL BEING MADE OF COMMON METAL AND NONE BEING PARTS OF MACHINERY. Siebe, Gorman & Company Limited, Tolworth, Surrey, England.

Filed May 8, 1945. Serial No. 483,119. PUBLISHED DECEMBER 31, 1946. Class 2.

428,392. LINEN PIECE GOODS FOR MAKING HOUSEHOLD LINENS; AND FINISHED GOODS COMPRISING THE FOLLOWING: NAPKINS, ETC. Frank A. Delaney, New York, N. Y.

Filed May 19, 1945. Serial No. 483,568. PUBLISHED DECEMBER 17, 1946. Class 42.

428,393. PULL TOYS HAVING BOAT-LIKE CHARACTERS MOUNTED ON WHEEL SUPPORTED PLATFORMS AND WHICH CHARACTERS ROCK WHEN THE TOYS MOVE OVER A SURFACE. Hobby Hill, Chicago, Ill.

Filed May 31, 1945. Serial No. 484,023. PUBLISHED JANUARY 14, 1947. Class 22.

428,394. INSTRUMENTS FOR MEASURING AND INDICATING OR RECORDING VARIATIONS IN SURFACE CONTOUR OF VARIOUS ARTICLES. Physicists Research Company, Ann Arbor, Mich.

Filed June 8, 1945. Serial No. 484,819. PUBLISHED JANUARY 7, 1947. Class 26.

428,395. PITCHING HORSE-SHOES. Giant Grip Mfg. Co., Oshkosh, Wis.

Filed June 21, 1945. Serial No. 484,837. PUBLISHED JANUARY 7, 1947. Class 22.

428,396. CIGARS. De Amicis Cigar Co., doing business as De Amicis Cigar Company, Philadelphia, Pa.

Filed July 14, 1945. Serial No. 485,815. PUBLISHED JANUARY 7, 1947. Class 17.

428,397. WOVEN COTTON FABRICS COATED WITH A VINYL PLASTIC COATING, AND EMBOSSED IN DIFFERENT PATTERNS. Asher & Boretz, Inc., New York, N. Y.

Filed July 16, 1945. Serial No. 485,854. PUBLISHED JULY 23, 1946. Class 42.

428,398. MIXED FEED FOR LIVESTOCK AND POULTRY. Fant Milling Company, doing business as Sunglo Mills, Sherman, Tex.

Filed July 20, 1945. Serial No. 486,032. PUBLISHED JANUARY 7, 1947. Class 46.

428,399. TOYS—NAMELY, TOY HORSES, TOY KALEIDOSCOPES, AND TOY BEADS. Planned Age Toys, Inc., New York, N. Y.

Filed July 24, 1945. Serial No. 486,220. PUBLISHED DECEMBER 31, 1946. Class 22.

428,400. FOOT PROPELLED CYCLES KNOWN AS BICYCLES AND MOTOR PROPELLED CYCLES KNOWN AS MOTORCYCLES. Columbus McKinnon Chain Corporation, Tonawanda, N. Y.

Filed July 25, 1945. Serial No. 486,240. PUBLISHED JANUARY 7, 1947. Class 19.

428,401. INKED RIBBONS FOR TYPEWRITERS AND PRINTING TELEGRAPH TRANSMITTING AND RECEIVING APPARATUS. John B. Brady, Jr., Washington, D. C.

Filed July 30, 1945. Serial No. 486,458. PUBLISHED JANUARY 7, 1947. Class 11.

428,402. COAL BRIQUETTES. Powell Duffryn Limited, London, England.

Filed July 30, 1945. Serial No. 486,503. PUBLISHED DECEMBER 31, 1946. Class 1.

428,403. BABY KIT, WHICH CONSISTS OF ALUMINUM OR WHITE ENAMEL STERILIZER AND RACK, NIPPLE STERILIZER AND TWO COVERS, ETC. Formulette Company, Brooklyn, N. Y.

Filed August 9, 1945. Serial No. 486,946. PUBLISHED JANUARY 7, 1947. Class 50.

428,404. CLOTHESPINS. W. C. Lane, Rutland, Vt.

Filed August 10, 1945. Serial No. 486,996. PUBLISHED JANUARY 7, 1947. Class 24.

428,405. SUNGLASSES, SPECTACLES, AND LENSES THEREFOR. Marine Optical Mfg. Co., Roslindale, Boston, Mass.

Filed August 17, 1945. Serial No. 487,197. PUBLISHED JANUARY 7, 1947. Class 26.

428,406. JUVENILE AND NURSERY FURNITURE—NAMELY, WOOD AND FABRIC STANDS FOR SUPPORTING INFANTS, INFANT BATH RECEPTACLE AND NURSERY ACCESSORIES, ETC. Gamble-Skogmo, Inc., Minneapolis, Minn.

Filed August 20, 1945. Serial No. 487,320. PUBLISHED DECEMBER 31, 1946. Class 32.

428,407. HOME PERMANENT WAVING KIT CONTAINING CURLERS, TISSUES, AND NEUTRALIZING AND PERMANENT WAVE LOTIONS. The Madamoiselle Co., Philadelphia, Pa.

Filed August 22, 1945. Serial No. 487,425. PUBLISHED DECEMBER 31, 1946. Class 50.

428,408. CARD GAMES. Joseph Cardinali, San Francisco, Calif.

Filed August 27, 1945. Serial No. 487,594. PUBLISHED JANUARY 14, 1947. Class 22.

428,409. CERAMIC CONTAINERS FOR FRESH AND CUT FLOWERS. Ideas Unlimited, Los Angeles, Calif.

Filed September 4, 1945. Serial No. 487,953. PUBLISHED DECEMBER 31, 1946. Class 30.

428,410. ELECTRIC CLOCKS. Chicago Flexible Shaft Company, Chicago, Ill., now by change of name Sunbeam Corporation.

Filed September 10, 1945. Serial No. 488,195. PUBLISHED JANUARY 7, 1947. Class 27.

428,411. REMOTE-READING MICROMETERS; AN APPARATUS, CONSISTING OF A TANK GAUGER'S REEL AND TAPE WITH A METAL PLUMB BOB, ETC. Foster M. Poole, doing business as Poole Manufacturing Engineers, Dallas, Tex.

Filed September 12, 1945. Serial No. 488,364. PUBLISHED JANUARY 7, 1947. Class 26.

428,412. ELECTRONIC AMPLIFYING APPARATUS; ELECTRICAL SOUND-REPRODUCING APPARATUS, ETC. Schulmerich Electronics, Inc., Sellersville, Pa.

Filed September 12, 1945. Serial No. 488,378. PUBLISHED JANUARY 7, 1947. Class 21.

428,413. POTATOES IN A NATURAL STATE. M. Carp & Son, Inc., Boston and Charlestown, Mass.

Filed September 13, 1945. Serial No. 488,393. PUBLISHED JUNE 18, 1946. Class 46.

428,414. FINISHED AIRCRAFT PARTS AND ASSEMBLIES MADE OF STAMPINGS, SCREW MACHINE WORK, ETC. Harvey Machine Co., Inc., Los Angeles, Calif.

Filed September 15, 1945. Serial No. 488,523. PUBLISHED DECEMBER 17, 1946. Class 19.

428,415. CUT FLOWERS AND BULBS. Golden Gate Bulb Co., Berkeley, Calif.

Filed September 25, 1945. Serial No. 488,957. PUBLISHED DECEMBER 31, 1946. Class 1.

428,416. KITCHEN CABINETS, BASE UNITS FOR KITCHEN CABINETS, SINK DRAINS, CABINETS AND STORAGE COMPARTMENTS; SINK CABINETS, ETC. The Hyde Park Lumber Co., doing business as The Hyde Park Products Co., Cincinnati, Ohio.

Filed September 28, 1945. Serial No. 489,122. PUBLISHED DECEMBER 31, 1946. Class 32.

428,417. CAT FOOD. National Pet Foods, Inc., Buffalo, N. Y.

Filed October 3, 1945. Serial No. 489,343. PUBLISHED MARCH 26, 1946. Class 46.

428,418. COOKIES. Edward E. Gray, doing business as Food Specialties Company, Muskogee, Okla.

Filed October 9, 1945. Serial No. 489,665. PUBLISHED JANUARY 7, 1947. Class 46.

428,419. ANIMATED TOYS IN THE FORM OF DOLLS, MANIKINS AND ANIMALS. Roy A. Kropp, Cicero, Ill.

Filed October 10, 1945. Serial No. 489,742. PUBLISHED JANUARY 14, 1947. Class 22.

428,420. BULK COMMERCIAL SYNTHETIC RESINS. The Special Chemicals Co., Cleveland, Ohio.

Filed October 10, 1945. Serial No. 489,772. PUBLISHED DECEMBER 31, 1946. Class 1.

428,421. RADAR ANTENNAE AND PARTS, DIRECTORS, REFLECTORS, AND PARABOLOIDS OF METAL, WOOD, AND PLASTIC AND OF SOLID OR GRID CONSTRUCTION. D. S. Kennedy & Co., Cohasset, Mass.

Filed October 12, 1945. Serial No. 489,875. PUBLISHED JANUARY 7, 1947. Class 21.

428,422. CANNED FRUIT JUICES AND FRESH FRUITS AND VEGETABLES—NAMELY, DECIDUOUS FRUITS, CITRUS FRUITS, BANANAS, APPLES, ETC. Di Giorgio Fruit Corporation, San Francisco, Calif.

Filed October 13, 1945. Serial No. 489,903. PUBLISHED DECEMBER 24, 1946. Class 46.

428,423. PRETZELS. Harold Krasner, doing business under the firm name of Dixie Party Foods, Belleville, N. J.

Filed October 13, 1945. Serial No. 489,913. PUBLISHED DECEMBER 31, 1946. Class 46.

428,424. TOY TRAINS, TOY CARRIAGES, TOY CARTS, TOY CARS, TOY TRUCKS, TOY PLANES, TOY WAGONS, TOY BOATS, TOY BUILDING BLOCKS, TOY FURNITURE, AND TOY DISHES. Molded Insulation Company, Philadelphia, Pa.

Filed October 29, 1945. Serial No. 490,687. PUBLISHED DECEMBER 31, 1946. Class 22.

428,425. COATED FABRICS AND TUBING MADE OF JUTE, COTTON, AND/OR PAPER FABRIC. Bemis Bro. Bag Company, St. Louis, Mo.

Filed November 3, 1945. Serial No. 490,993. PUBLISHED DECEMBER 17, 1946. Class 42.

428,426. WOVEN COTTON FABRICS COATED WITH A VINYL PLASTIC COATING, AND EMBOSSED IN DIFFERENT PATTERNS. Asher & Boretz, Inc., New York, N. Y.

Filed November 10, 1945. Serial No. 491,382. PUBLISHED SEPTEMBER 3, 1946. Class 42.

428,427. TEMPLE GUARDS FOR EYEGLASSES. Robert C. Garvin, New York, N. Y.

Filed November 10, 1945. Serial No. 491,406. PUBLISHED JANUARY 7, 1947. Class 26.

428,428. MEASURING TAPES. The Lufkin Rule Co., Saginaw, Mich.

Filed November 19, 1945. Serial No. 491,862. PUBLISHED DECEMBER 31, 1946. Class 26.

428,429. LOUDSPEAKERS AND AMPLIFIERS USED IN PUBLIC ADDRESS SYSTEMS AND ALSO APPARATUS FOR INTERCOMMUNICATION, ETC. Farmers Engineering & Manufacturing Co., Pittsburgh, Pa.

Filed November 21, 1945. Serial No. 491,966. PUBLISHED DECEMBER 24, 1946. Class 21.

428,430. TOYS—NAMELY, TOYS USING A BALL SWUNG FROM A SUPPORT AND PROPELLED OVER A FLAT TARGET BY AN ELECTROMAGNET MOUNTED BENEATH THE TARGET. Electronic Laboratories, Inc., Indianapolis, Ind.

Filed December 12, 1945. Serial No. 493,108. PUBLISHED JANUARY 7, 1947. Class 22.

428,431. SURGICAL DRESSINGS. Constant Traction Dressing Co., Inc., Providence, R. I.

Filed December 14, 1945. Serial No. 493,254. PUBLISHED DECEMBER 31, 1946. Class 44.

428,432. CORRESPONDENCE PAPER AND ENVELOPES. United States Envelope Company, doing business as P. P. Kellogg & Co., Springfield, Mass.

Filed December 14, 1945. Serial No. 493,298. PUBLISHED DECEMBER 31, 1946. Class 37.

428,433. CORRESPONDENCE PAPER AND ENVELOPES. United States Envelope Company, doing business as P. P. Kellogg & Co., Springfield, Mass.

Filed December 14, 1945. Serial No. 493,301. PUBLISHED DECEMBER 31, 1946. Class 37.

428,434. ACCUMULATORS, CAPILLARY TUBES, AND HEAT EXCHANGERS FOR REFRIGERATING SYSTEMS. Wabash Manufacturing Company, Chicago, Ill.

Filed December 20, 1945. Serial No. 493,635. PUBLISHED DECEMBER 31, 1946. Class 31.

428,435. CIGARS, CIGARETTES, AND SMOKING TOBACCO. Benson & Hedges, New York, N. Y.

Filed December 21, 1945. Serial No. 493,644. PUBLISHED DECEMBER 31, 1946. Class 17.

428,436. GREETING LETTER PAPER AND GREETING NOTE PAPER. Norcross, New York, N. Y.

Filed December 22, 1945. Serial No. 493,809. PUBLISHED JANUARY 7, 1947. Class 37.

428,437. GREETING LETTER PAPER AND GREETING NOTE PAPER. Norcross, New York, N. Y.

Filed December 22, 1945. Serial No. 493,810. PUBLISHED JANUARY 7, 1947. Class 37.

428,438. CORRESPONDENCE PAPER AND ENVELOPES. United States Envelope Company, doing business as P. P. Kellogg & Co., Springfield, Mass.

Filed December 22, 1945. Serial No. 493,856. PUBLISHED DECEMBER 31, 1946. Class 37.

428,439. BELTING FOR POWER TRANSMISSION. F. Raniville Co., Grand Rapids, Mich.

Filed December 26, 1945. Serial No. 493,895. PUBLISHED JANUARY 7, 1947. Class 35.

428,440. CORRESPONDENCE PAPER AND ENVELOPES. United States Envelope Company, doing business as P. P. Kellogg & Co., Springfield, Mass.

Filed December 26, 1945. Serial No. 493,904. PUBLISHED DECEMBER 31, 1946. Class 37.

428,441. SUIT-CASES, CASES FOR TOILET ARTICLES, TRAVELING BAGS, BOTTLE CASES, VALISES, AND DRESSING CASE PORTFOLIOS MADE OF LEATHER, ETC. Gotham Specialty Mfg. Co., New York, N. Y.

Filed December 29, 1945. Serial No. 494,061. PUBLISHED JANUARY 7, 1947. Class 3.

428,442. RADIO RECEIVING SETS. Samuel M. Siegel, doing business as Gadgets, Jackson Heights, N. Y.

Filed December 29, 1945. Serial No. 494,133. PUBLISHED JANUARY 7, 1947. Class 21.

428,443. CORRESPONDENCE PAPER AND ENVELOPES. United States Envelope Company, doing business as P. P. Kellogg & Co., Springfield, Mass.

Filed December 31, 1945. Serial No. 494,169. PUBLISHED DECEMBER 31, 1946. Class 37.

428,444. PAPER FOR PRINTING AND ENGRAVING PURPOSES AND FOR CORRESPONDENCE PAPER AND ENVELOPES. United States Envelope Company, Springfield, Mass.

Filed December 31, 1945. Serial No. 494,171. PUBLISHED DECEMBER 31, 1946. Class 37.

428,445. PROPELLER GOVERNOR TEST MACHINE. Greer Hydraulics, Inc., Brooklyn, N. Y.

Filed January 4, 1946. Serial No. 494,270. PUBLISHED DECEMBER 31, 1946. Class 26.

428,446. ELECTRO-THERAPEUTIC DEVICES FOR ELECTRO-MEDICAL BATHS AND EQUIPMENT FOR SUCH DEVICES—NAMELY, ELECTRODES, ETC. Teca Corporation, New York, N. Y.

Filed January 9, 1946. Serial No. 494,525. PUBLISHED JANUARY 14, 1947. Class 44.

428,447. TOY MODEL AIRPLANES. Formacraft Corporation, Barberton, Ohio.

Filed January 12, 1946. Serial No. 494,666. PUBLISHED JANUARY 7, 1947. Class 22.

428,448. FLASHLIGHTS. Milton Kessler, doing business as Kessler Products Company, Youngstown, Ohio.

Filed January 12, 1946. Serial No. 494,686. PUBLISHED DECEMBER 31, 1946. Class 21.

428,449. GLASS FIGURINES. American Glass Art Co., New York, N. Y.

Filed January 16, 1946. Serial No. 494,808. PUBLISHED DECEMBER 24, 1946. Class 50.

428,450. WALLETS, KEY CASES, POCKET SECRETARIES, LETTER CASES, CARD CASES, PORTFOLIOS, AND POCKETBOOKS. Ameron Wallet & Leather Novelty Co., New York, N. Y.

Filed January 16, 1946. Serial No. 494,809. PUBLISHED JANUARY 7, 1947. Class 3.

428,451. WALLETS, KEY CASES, POCKET SECRETARIES, LETTER CASES, CARD CASES, PORTFOLIOS, AND POCKETBOOKS. Ameron Wallet & Leather Novelty Co., New York, N. Y.

Filed January 16, 1946. Serial No. 494,810. PUBLISHED JANUARY 7, 1947. Class 3.

428,452. SPOOL CAPS FOR FISHING REELS, TENNIS RACKETS, MINNOW PAILS, FISHING RODS, FISHING REELS, AND GIGS FOR SPEARING FISH. Louis S. Elsinger, doing business as Elsinger Sales Company, Tampa, Fla.

Filed January 16, 1946. Serial No. 494,827. PUBLISHED JANUARY 14, 1947. Class 22.

428,453. ELECTRICAL FILTERS. Frank Rieber, doing business as Rieber Research Laboratory, New York, N. Y.

Filed January 17, 1946. Serial No. 494,923. PUBLISHED JANUARY 7, 1947. Class 21.

428,454. GASOLINE TANKS AND OIL TANKS. Mercury Aircraft, Inc., Hammondsport, N. Y.

Filed January 18, 1946. Serial No. 494,976. PUBLISHED SEPTEMBER 3, 1946. Class 2.

428,455. POTTERY ARTICLES—NAMELY, JARDINIERES, JARDINIERE AND PEDESTAL UNITS, COOKIE JARS, BASKETS, ETC. Roseville Pottery, Inc., Zanesville, Ohio.

Filed January 19, 1946. Serial No. 495,101. PUBLISHED DECEMBER 24, 1946. Class 30.

428,456. EDUCATIONAL GAME DEVICES SIMULATING THE PRINCIPLES OF RADAR. American Radar Corporation, Brooklyn, N. Y.

Filed January 26, 1946. Serial No. 495,434. PUBLISHED JANUARY 14, 1947. Class 22.

428,457. EDUCATIONAL GAME DEVICES SIMULATING THE PRINCIPLES OF RADAR. American Radar Corporation, Brooklyn, N. Y.

Filed January 26, 1946. Serial No. 495,435. PUBLISHED JANUARY 14, 1947. Class 22.

428,458. TOY COIN BANKS. Charles M. Dale, doing business as The Coinmaster Co., New York, N. Y.

Filed January 26, 1946. Serial No. 495,452. PUBLISHED JANUARY 14, 1947. Class 22.

428,459. GREETING LETTER PAPER AND GREETING NOTE PAPER. Norcross, New York, N. Y.

Filed January 30, 1946. Serial No. 495,686. PUBLISHED JANUARY 7, 1947. Class 37.

428,460. BABY FEEDING TRAYS MADE OF PLASTIC MATERIALS. Nu-Dell Manufacturing Company, Chicago, Ill.

Filed January 31, 1946. Serial No. 495,758. PUBLISHED JANUARY 14, 1947. Class 2.

428,461. TOY BABY RATTLES. Nu-Dell Manufacturing Company, Chicago, Ill.

Filed January 31, 1946. Serial No. 495,759. PUBLISHED JANUARY 14, 1947. Class 22.

428,462. SOAP PREPARATIONS. Gertrude R. Lee, Roxbury, Mass.

Filed February 2, 1946. Serial No. 495,893. PUBLISHED DECEMBER 17, 1946. Class 4.

428,463. SOLENOID VALVES. The Allied Control Valve Co. Inc., South Norwalk, Conn.

Filed February 4, 1946. Serial No. 495,942. PUBLISHED DECEMBER 24, 1946. Class 21.

428,464. ELECTRICAL FIXTURES—NAMELY, ELECTRIC LIGHTS, ELECTRIC SIGNBOARDS, AND CATHODE RAY TUBE FIXTURES AND NEON ELECTRIC SIGNS. Coastal Neon Company, Savannah, Ga., assignor to The Coastal Neon Company, Savannah, Ga., a corporation of Georgia.

Filed February 6, 1946. Serial No. 496,068. PUBLISHED JANUARY 7, 1947. Class 21.

428,465. FURNITURE SLIP-OVERS AND OTHER FURNITURE COVERS. Morton Sundour Fabrics Limited, Carlisle, England.

Filed February 9, 1946. Serial No. 496,323. PUBLISHED JANUARY 7, 1947. Class 32.

428,466. AIRPLANES. Republic Aviation Corporation, Farmingdale, N. Y.

Filed February 9, 1946. Serial No. 496,334. PUBLISHED DECEMBER 24, 1946. Class 19.

428,467. THEFT AND LOSS PREVENTION DEVICES—NAMELY, A STRIP OF REENFORCED LEATHER ATTACHABLE TO THE EDGE OF A POCKET TO EXTEND OVER BILLFOLDS AND OTHER POCKET CARRIED ARTICLES. Buxton, Incorporated, Springfield, Mass.

Filed February 11, 1946. Serial No. 496,369. PUBLISHED JANUARY 7, 1947. Class 3.

428,468. BED COMFORTERS. Simon Mattress Manufacturing Co., San Francisco, Calif.

Filed February 12, 1946. Serial No. 496,481. PUBLISHED JANUARY 7, 1947. Class 42.

428,469. MECHANICALLY GROOVED PHONOGRAPH RECORDS. Leland J. Arms, San Francisco, Calif.

Filed February 18, 1946. Serial No. 496,755. PUBLISHED JANUARY 7, 1947. Class 36.

428,470. AUTOMOTIVE BRAKE SHOE HOLD DOWN PARTS. Gibson Products Company, Cleveland, Ohio

Filed February 18, 1946. Serial No. 496,778. PUBLISHED DECEMBER 3, 1946. Class 19.

428,471. HARMONICAS. William Kratt, doing business as Wm. Kratt Co., Union, N. J.

Filed February 19, 1946. Serial No. 496,914. PUBLISHED DECEMBER 24, 1946. Class 36.

428,472. FRESH CANNED OYSTERS. H. B. Kennerly & Son, doing business as Roaring Point Oyster Co., Nanticoke, Md.

Filed February 20, 1946. Serial No. 496,968. PUBLISHED DECEMBER 24, 1946. Class 46.

428,473. ELECTRIC FIRE ALARMS. Sverre Rasmussen, New York, N. Y.

Filed February 23, 1946. Serial No. 497,130. PUBLISHED JANUARY 7, 1947. Class 21.

428,474. CONVERTIBLE ICE BUNKERS FOR REFRIGERATOR CARS—NAMELY, ICE BUNKERS EQUIPPED WITH BUNKER DEFINING BULKHEADS, ETC. Preco Incorporated, Los Angeles, Calif.

Filed February 25, 1946. Serial No. 497,197. PUBLISHED DECEMBER 3, 1946. Class 19.

428,475. ELECTRIC MOTORS—NAMELY, ELECTRIC MOTORS ADAPTED FOR DRIVING AIR CIRCULATING SYSTEMS FOR THE PURPOSE OF PRECOOLING REFRIGERATOR CARS. Preco Incorporated, Los Angeles, Calif.

Filed February 25, 1946. Serial No. 497,199. PUBLISHED JANUARY 7, 1947. Class 21.

428,476. PNEUMATIC TIRES AND INNER TUBES FOR PNEUMATIC TIRES. Gem Tire & Rubber Co., Philadelphia, Pa.

Filed February 26, 1946. Serial No. 497,237. PUBLISHED DECEMBER 17, 1946. Class 35.

428,477. VALVE LUBRICATING GREASES. Rockwell Manufacturing Company, Pittsburgh and Homewood, Pittsburgh, Pa.

Filed February 27, 1946. Serial No. 497,336. PUBLISHED JANUARY 7, 1947. Class 15.

428,478. LIQUID METERS, GAS METERS, AND METER RECORDERS. Rockwell Manufacturing Company, Pittsburgh and Homewood, Pittsburgh, Pa.

Filed February 27, 1946. Serial No. 497,337. PUBLISHED DECEMBER 31, 1946. Class 26.

428,479. DISPLAY FOLDERS FOR PHOTOGRAPHS OR PHOTOGRAPHIC TRANSPARENCIES. Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y.

Filed March 1, 1946. Serial No. 497,469. PUBLISHED JANUARY 7, 1947. Class 37.

428,480. BICYCLES. The Westfield Manufacturing Company, Westfield, Mass.

Filed March 8, 1946. Serial No. 497,906. PUBLISHED JANUARY 7, 1947. Class 19.

428,481. BICYCLES. The Westfield Manufacturing Company, Westfield, Mass.

Filed March 8, 1946. Serial No. 497,907. PUBLISHED JANUARY 7, 1947. Class 19.

428,482. THERMOSTATICALLY ACTUATED CONTROL MECHANISMS FOR ELECTRICALLY HEATED BLANKETS. Rex Cole, Inc., Long Island City, N. Y.

Filed March 13, 1946. Serial No. 498,116. PUBLISHED DECEMBER 31, 1946. Class 26.

428,483. ROWBOATS, SAIL BOATS, AND MOTOR BOATS. Charles L. Morse, doing business as Cygnet Seacraft, Milford, Conn.

Filed March 13, 1946. Serial No. 498,162. PUBLISHED DECEMBER 3, 1946. Class 19.

428,484. CORNER MOUNTINGS MADE OF PAPER FOR PHOTOGRAPHS. John R. Condon, doing business as General Products Co., Reading, Mass.

Filed March 15, 1946. Serial No. 498,271. PUBLISHED JANUARY 7, 1947. Class 37.

428,485. PNEUMATIC TIRES; INNER TUBES; REPAIR KITS FOR TIRES, TUBES AND RUBBER FOOTWEAR; TIRE PATCHES; TIRE FLAPS; AIR HOSE; GARDEN HOSE; HOSE GASKETS; AND RUBBER TUBING. Lee Rubber & Tire Corporation, Conshohocken, Pa.

Filed March 15, 1946. Serial No. 498,290. PUBLISHED JANUARY 7, 1947. Class 35.

428,486. ARTIFICIAL LOBSTER BAIT. Loblure, Incorporated, Hingham, Mass.

Filed March 16, 1946. Serial No. 498,352. PUBLISHED JANUARY 14, 1947. Class 22.

428,487. FRESH VEGETABLES. Porterville Vegetable Growers Inc., Porterville, Calif.

Filed March 18, 1946. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 498,453. PUBLISHED DECEMBER 24, 1946. Class 46.

428,488. GIRDLES, CORSETS, AND BRASSIÈRES. Wolfe & Lang, Inc., New York, N. Y.

Filed March 20, 1946. Serial No. 498,613. PUBLISHED DECEMBER 31, 1946. Class 39.

428,489. CHILDREN'S AND GIRLS' DRESSES, BLOUSES, OUTER SKIRTS, AND PLAY SUITS. Schleifer & Lubell, New York, N. Y.

Filed March 21, 1946. Serial No. 498,716. PUBLISHED DECEMBER 31, 1946. Class 89.

428,490. COFFEE AND TEA. National Tea Co., Chicago, Ill.

Filed March 23, 1946. Serial No. 498,856. PUBLISHED JANUARY 7, 1947. Class 46.

428,491. AUTOMOTIVE TRAILER COACHES. Spartan Aircraft Company, Wilmington, Del., and Tulsa, Okla.

Filed March 28, 1946. Serial No. 499,167. PUBLISHED JANUARY 7, 1947. Class 19.

428,492. OUTER SHIRTS, COLLARS, AND CUFFS. Trubenizing Process Corporation, New York, N. Y., assignor to Essley Shirt Company, Inc., New York, N. Y.

Filed March 28, 1946. Serial No. 499,175. PUBLISHED DECEMBER 31, 1946. Class 39.

428,493. LADIES' AND MISSES' SHOES MADE OF LEATHER, FABRIC, PLASTIC, OR OF COMBINATIONS THEREOF. Herbert E. Levy, Jr., Houston, Tex.

Filed March 29, 1946. Serial No. 499,244. PUBLISHED DECEMBER 31, 1946. Class 39.

428,494. AUTOMOBILE TOW BARS. Kennedy Equipment Company, Los Angeles, Calif.

Filed April 1, 1946. Serial No. 499,417. PUBLISHED JANUARY 7, 1947. Class 19.

428,495. CHEESE. Empire State Cheese Company, Olean, N. Y.

Filed April 5, 1946. Serial No. 499,701. PUBLISHED DECEMBER 24, 1946. Class 46.

428,496. CLEANER OF PAINTED SURFACES. Pacific Allied Products, Seattle, Wash.

Filed April 6, 1946. Serial No. 499,797. PUBLISHED DECEMBER 31, 1946. Class 4.

428,497. PENETRATING OIL FOR USE IN TUNING INTERNAL COMBUSTION ENGINES, REMOVING SLUDGE AND CARBON FROM PISTON RINGS, ETC. Luella M. Holman, doing business as Blue Streak Products Company, Hiawatha, Kans.

Filed April 8, 1946. Serial No. 499,838. PUBLISHED DECEMBER 24, 1946. Class 15.

428,498. SWEEPING COMPOUND. West Disinfecting Company, Long Island City, N. Y.

Filed April 9, 1946. Serial No. 499,930. PUBLISHED DECEMBER 31, 1946. Class 4.

428,499. STANCHIONS, SEAT GRAB RAILS, ARM RESTS, AND STANCHION FITTINGS FOR PUBLIC CONVEYANCES. Samuel Moore & Company, Kent, Ohio.

Filed April 10, 1946. Serial No. 499,958. PUBLISHED DECEMBER 3, 1946. Class 19.

428,500. COTTON PIECE-GOODS. Iselin-Jefferson Company, New York, N. Y., assignor to Iselin-Jefferson Company, Inc., New York, N. Y., a corporation of New York.

Filed April 11, 1946. Serial No. 500,007. PUBLISHED DECEMBER 24, 1946. Class 42.

428,501. POCKETBOOKS, BILLFOLDS, WALLETS, PURSES, KEY CASES, LEATHER CARD CASES, PASS CASES, ETC. F. O. Merz & Co., Philadelphia, Pa.

Filed April 12, 1946. Serial No. 500,106. PUBLISHED DECEMBER 31, 1946. Class 3.

428,502. FRIED CHICKEN. James A. Williams, doing business as Bill Williams' Chicken House, Houston, Tex.

Filed April 12, 1946. Serial No. 500,155. PUBLISHED JANUARY 7, 1947. Class 46.

428,503. SPANGLES. Le Charm Trimmings, Inc., New York, N. Y.
Filed April 16, 1946. Serial No. 500,313. PUBLISHED JANUARY 7, 1947. Class 40.

428,504. TABLE SALT SUBSTITUTE, THE PRINCIPAL INGREDIENTS OF WHICH ARE CARBAMIDE MALATE, CARBAMIDE CITRATE, AND CARBAMIDE ASCORBATE IN AN INERT DILUENT. Samuel Klein, Newark, N. J.
Filed April 17, 1946. Serial No. 500,395. PUBLISHED JANUARY 7, 1947. Class 46.

428,505. PROTEIN HYDROLYSATE USED AS A NUTRITIONAL SUPPLEMENT FOR FOOD PURPOSES. The Maltine Company, New York, N. Y.
Filed April 19, 1946. Serial No. 500,549. PUBLISHED JANUARY 7, 1947. Class 46.

428,506. CLOCKS, WATCHES, AND PARTS THEREOF. The New Haven Clock Company, New Haven, Conn., assignor to New Haven Clock and Watch Company, New Haven, Conn., a corporation of Connecticut.
Filed April 19, 1946. Serial No. 500,558. PUBLISHED DECEMBER 31, 1946. Class 27.

428,507. MEN'S, WOMEN'S, AND CHILDREN'S SHOES AND SANDALS MADE OF LEATHER, FABRIC, RUBBER, AND COMBINATIONS THEREOF. Gerda Footwear Co., New York, N. Y.
Filed April 22, 1946. Serial No. 500,651. PUBLISHED DECEMBER 31, 1946. Class 39.

428,508. SEEDS—NAMELY, VEGETABLE AND FLOWER SEEDS. Ferry-Morse Seed Co., Detroit, Mich.
Filed April 25, 1946. Serial No. 500,869. PUBLISHED JANUARY 7, 1947. Class 1.

428,509. COLLAPSIBLE CLOTHES DRYING RACKS. Artfred Mfg. Co., San Francisco, Calif.
Filed April 26, 1946. Serial No. 500,934. PUBLISHED DECEMBER 31, 1946. Class 24.

428,510. SERIES OF MOTION PICTURE FILMS. Carl Dudley, doing business as Carl Dudley Production, Beverly Hills, Calif.
Filed April 26, 1946. Serial No. 500,969. PUBLISHED JANUARY 7, 1947. Class 26.

428,511. COTTON BLANKETS. Nashua Manufacturing Company, Boston, Mass.
Filed April 27, 1946. Serial No. 501,084. PUBLISHED DECEMBER 31, 1946. Class 42.

428,512. BRASSIÈRES. Sidallis, Inc., New York, N. Y.
Filed April 29, 1946. Serial No. 501,141. PUBLISHED DECEMBER 31, 1946. Class 39.

428,513. ELECTRIC WIRES AND CABLES. Anaconda Wire and Cable Company, New York, N. Y.
Filed April 30, 1946. Serial No. 501,152. PUBLISHED DECEMBER 24, 1946. Class 21.

428,514. MEN'S SHOES OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF. Conrad Shoe Company, North Abington, Mass.
Filed April 30, 1946. Serial No. 501,165. PUBLISHED DECEMBER 31, 1946. Class 39.

428,515. SHEETS, SHEETING, AND PILLOWCASES. Riverside & Dan River Cotton Mills, Inc., Danville, Va., now by change of name Dan River Mills, Incorporated
Filed April 30, 1946. Serial No. 501,202. PUBLISHED JANUARY 7, 1947. Class 42.

428,516. SHEETS, SHEETING, AND PILLOWCASES. Riverside & Dan River Cotton Mills, Inc., Danville, Va., now by change of name Dan River Mills, Incorporated.
Filed April 30, 1946. Serial No. 501,204. PUBLISHED JANUARY 7, 1947. Class 42.

428,517. SHEETS, SHEETING, AND PILLOWCASES. Riverside & Dan River Cotton Mills, Inc., Danville, Va., now by change of name Dan River Mills, Incorporated
Filed April 30, 1946. Serial No. 501,205. PUBLISHED DECEMBER 31, 1946. Class 42.

428,518. SHEETS, SHEETING, AND PILLOWCASES. Riverside & Dan River Cotton Mills, Inc., Danville, Va., now by change of name Dan River Mills, Incorporated
Filed April 30, 1946. Serial No. 501,206. PUBLISHED JANUARY 7, 1947. Class 42.

428,519. SMALL ROW, SAIL AND MOTOR BOATS. T-A-G Brokerage & Warehouse Company, Atlanta, Ga.
Filed April 30, 1946. Serial No. 501,213. PUBLISHED DECEMBER 24, 1946. Class 19.

428,520. BOOK MARKS. Arthur N. Davis, doing business as Ard Products Co., Chicago, Ill., assignor to Paul Lasman, Chicago, Ill.
Filed May 1, 1946. Serial No. 501,240. PUBLISHED DECEMBER 31, 1946. Class 37.

428,521. AUTOMOBILE SEAT COVERS. Irving Silver, doing business as Silver Vogue Auto Seat Cover Co., Brooklyn, N. Y.
Filed May 2, 1946. Serial No. 501,345. PUBLISHED DECEMBER 17, 1946. Class 19.

428,522. DRY, PARTLY IMPREGNATED, AND FULLY IMPREGNATED WITH ASPHALT, NATURAL OR ARTIFICIAL, FELT FOR UNDERLAYS AND LININGS USED IN CONNECTION WITH FLOOR COVERINGS. Congoleum-Nairn Inc., Kearny, N. J.
Filed May 3, 1946. Serial No. 501,365. PUBLISHED JANUARY 7, 1947. Class 50.

428,523. ICE REFRIGERATORS. Paul E. Richards, doing business as P. E. Richards Company, Terrell, Tex.
Filed May 3, 1946. Serial No. 501,408. PUBLISHED DECEMBER 31, 1946. Class 31.

428,524. CHINA AND EARTHENWARE FOR DOMESTIC AND HOUSEHOLD PURPOSES—NAMELY, DINNER AND OTHER TABLE WARE, VASES, JARS, ETC. Beth Weissman, New York, N. Y.
Filed May 3, 1946. Serial No. 501,425. PUBLISHED JANUARY 7, 1947. Class 30.

428,525. CIGARETTE HOLDERS AND ASH TRAYS. Consolidated Cosmetics, Chicago, Ill.
Filed May 4, 1946. Serial No. 501,438. PUBLISHED DECEMBER 31, 1946. Class 8.

428,526. HOT WATER HEATERS FIRED WITH GAS AND FURNACE STOKERS, BOTH FOR HOUSEHOLD USE. Tallman Company, University City, Mo.
Filed May 4, 1946. Serial No. 501,484. PUBLISHED JANUARY 7, 1947. Class 34.

428,527. RADIO RECEIVING SETS AND RADIO VACUUM TUBES. Max H. Kranzberg, doing business as Radionic Equipment Company, New York, N. Y.
Filed May 8, 1946. Serial No. 501,670. PUBLISHED DECEMBER 24, 1946. Class 21.

428,528. OPHTHALMIC LENS FRAMES AND MOUNTINGS THEREFOR. Continental Optical Company, Inc., Indianapolis, Ind.
Filed May 11, 1946. Serial No. 501,901. PUBLISHED JANUARY 7, 1947. Class 26.

428,529. EYEGLASS AND SPECTACLE FRAMES AND PARTS THEREFOR. The Kono Manufacturing Company, Woodside, N. Y.
Filed May 11, 1946. Serial No. 501,912. PUBLISHED DECEMBER 31, 1946. Class 26.

428,530. ELECTRIC LAMPS PROVIDING A NIGHT LIGHT FOR THE NURSERY, BEDROOM, BATHROOM, OR THE LIKE. Jerome Mayer, New York, N. Y.
Filed May 11, 1946. Serial No. 501,916. PUBLISHED DECEMBER 31, 1946. Class 21.

428,531. INSULATED ELECTRICAL CONDUCTORS, WIRES, AND CABLES. Rome Cable Corporation, Rome, N. Y.
Filed May 11, 1946. Serial No. 501,928. PUBLISHED DECEMBER 31, 1946. Class 21.

428,532. ELECTRICALLY HEATED ATOMIZER FOR SPRAYING LIQUID. The Tanglefoot Company, Grand Rapids, Mich.
Filed May 13, 1946. Serial No. 502,036. PUBLISHED DECEMBER 31, 1946. Class 21.

428,533. ARTIFICIAL LEATHER BINDING TAPE. Stedfast Rubber Co., Inc., Mattapan, Mass.
Filed May 15, 1946. Serial No. 502,165. PUBLISHED JANUARY 7, 1947. Class 40.

428,534. SEASONING AND COLORING AGENT IN LIQUID FORM USED IN BASTING MEATS. Continental Coffee Company, Chicago, Ill.
Filed May 16, 1946. Serial No. 502,193. PUBLISHED DECEMBER 24, 1946. Class 46.

428,535. EXTENSIBLE ELECTRICAL CORDS. Kellogg Switchboard and Supply Company, Chicago, Ill.
Filed May 18, 1946. Serial No. 502,378. PUBLISHED JANUARY 7, 1947. Class 21.

428,536. FOUNTAIN PENS, MECHANICAL PENCILS, AND PEN AND PENCIL DESK SETS. The Parker Pen Company, Janesville, Wis.
Filed May 20, 1946. Serial No. 502,453. PUBLISHED DECEMBER 31, 1946. Class 37.

428,537. FRESH VEGETABLES. Sunrise Produce Co., San Francisco, Calif.
Filed May 20, 1946. Serial No. 502,472. PUBLISHED DECEMBER 24, 1946. Class 46.

428,538. CONCENTRATED SOUP BASES. Empire Dehydrated Products, Inc., New York, N. Y.
Filed May 21, 1946. Serial No. 502,507. PUBLISHED DECEMBER 24, 1946. Class 46.

428,539. DISASSEMBLED PARTS FOR RADIO RECEIVING SETS. Laco Products, Inc., Los Angeles, Calif.
Filed May 21, 1946. Serial No. 502,521. PUBLISHED JANUARY 7, 1947. Class 21.

428,540. SPECTACLES AND SUNGLASSES. Plastispec Incorporated, New York, N. Y.
Filed May 22, 1946. Serial No. 502,594. PUBLISHED DECEMBER 31, 1946. Class 26.

428,541. ELECTRIC MOTORS. Harvey Manufacturing Corp., New York, N. Y.
Filed May 25, 1946. Serial No. 502,750. PUBLISHED JANUARY 7, 1947. Class 21.

428,542. SPECTACLES AND SUNGLASSES. Plastispec Incorporated, New York, N. Y.
Filed May 28, 1946. Serial No. 502,919. PUBLISHED JANUARY 7, 1947. Class 26.

428,543. SUNGLASSES, EYEGLASSES, SPECTACLES AND PARTS THEREOF, INCLUDING LENSES. Comptone Company, Ltd., New York, N. Y.
Filed May 29, 1946. Serial No. 502,950. PUBLISHED JANUARY 7, 1947. Class 26.

428,544. SUNGLASSES, EYEGLASSES, SPECTACLES AND PARTS THEREOF, INCLUDING LENSES. Comptone Company, Ltd., New York, N. Y.
Filed May 29, 1946. Serial No. 502,951. PUBLISHED JANUARY 7, 1947. Class 26.

428,545. BROMINATED VEGETABLE OIL FOR A STABILIZING AGENT FOR LIQUID FOODS OR BEVERAGES. Abbott Laboratories, North Chicago, Ill.
Filed June 10, 1946. Serial No. 503,542. PUBLISHED DECEMBER 31, 1946. Class 46.

428,546. TWINE. Fulton Bag & Cotton Mills, Atlanta, Ga.
Filed June 10, 1946. Serial No. 503,563. PUBLISHED JANUARY 7, 1947. Class 7.

428,547. CEMENTITIOUS SURFACING AND PATCHING MATERIAL IN DRY POWDERED FORM FOR CEMENT, STONE, TILE, AND BRICK SURFACES. Rock-Tred Corporation, Chicago, Ill.
Filed June 10, 1946. Serial No. 503,600. PUBLISHED JANUARY 7, 1947. Class 12.

428,548. FRESH CITRUS FRUITS. Somis Lemon Association, Oxnard, Calif.
Filed June 10, 1946. Serial No. 503,609. PUBLISHED DECEMBER 24, 1946. Class 46.

428,549. PNEUMATIC RUBBER TIRES AND THE FOLLOWING TIRE REPAIR MATERIALS, CAMELBACK, TUBE REPAIR GUM, CUSHION GUM, ETC. Pennsylvania Rubber Company, Jeannette, Pa.
Filed June 12, 1946. Serial No. 503,743. PUBLISHED DECEMBER 17, 1946. Class 35.

428,550. GAMES UTILIZING PLAY BOARD, SPINNER CARDS AND COUNTERS. Mason, Beall and Horton, Inc., West Los Angeles, Calif.
Filed June 15, 1946. Serial No. 503,989. PUBLISHED JANUARY 14, 1947. Class 22.

428,551. GUM MASSAGERS. Robert L. Lasater, Evanston, Ill.
Filed July 8, 1946. Serial No. 505,213. PUBLISHED JANUARY 14, 1947. Class 44.

428,552. PLASTIC DENTURE RELINER. Richard C. Eppstein, Toledo, Ohio.
Filed August 12, 1946. Serial No. 507,242. PUBLISHED JANUARY 14, 1947. Class 44.

428,553. PYROPHORIC CIGARETTE LIGHTERS. Boyle Leather Goods Co. Inc., New York, N. Y.
Filed August 13, 1946. Serial No. 507,294. PUBLISHED DECEMBER 31, 1946. Class 34.

428,554. CONCRETE BUILDING BLOCKS. Albert H. Stockmar, doing business as Stockmar Industries, Villa Rica, Ga.
Filed August 17, 1946. Serial No. 507,602. PUBLISHED JANUARY 7, 1947. Class 12.

428,555. COIN-ACTUATED AMUSEMENT GAMES. David D. Levitt, Buffalo, N. Y.
Filed September 4, 1946. Serial No. 508,481. PUBLISHED JANUARY 7, 1947. Class 22.

428,556. REFRIGERATED DISPLAY CASES, BEVERAGE AND WATER COOLERS, REFRIGERATING EQUIPMENT EMBODYING COMPRESSING AND CONDENSING UNITS, AND CONTROLS FOR ALL OF THE ABOVE MENTIONED APPARATUS. The Viking Manufacturing Corporation, Cleveland, Ohio.
Filed September 9, 1946. Serial No. 508,760. PUBLISHED JANUARY 7, 1947. Class 81.

428,557. MECHANICAL REFRIGERATING UNITS FOR YEAR-AROUND AIR CONDITIONING APPARATUS, SPACE COOLERS FOR REDUCING THE TEMPERATURE, ETC. The Viking Manufacturing Corporation, Cleveland, Ohio.
Filed September 9, 1946. Serial No. 508,761. PUBLISHED JANUARY 7, 1947. Class 34.

428,558. TOY CONSTRUCTING AND ERECTING SETS. Cinderella Manufacturing Co., Jackson, Mich.
Filed September 20, 1946. Serial No. 509,397. PUBLISHED JANUARY 7, 1947. Class 22.

428,559. KITCHEN BREAKFAST SETS—NAMELY, TABLES AND CHAIRS. The Paramount Manufacturing Company, Baltimore, Md.
Filed September 25, 1946. Serial No. 509,720. PUBLISHED JANUARY 7, 1947. Class 32.

428,560. HOSE COMPOSED PRINCIPALLY OR WHOLLY OF RUBBER. The Goodyear Tire & Rubber Company, Akron, Ohio.
Filed September 26, 1946. Serial No. 509,770. PUBLISHED DECEMBER 17, 1946. Class 35.

428,561. ADHESIVE CEMENT. The Goodyear Tire & Rubber Company, Akron, Ohio.
Filed September 26, 1946. Serial No. 509,771. PUBLISHED DECEMBER 31, 1946. Class 5.

428,562. MERCHANDISE DISPLAY RACKS. The Dewing Company, Los Angeles, Calif.
Filed October 18, 1946. Serial No. 511,071. PUBLISHED JANUARY 7, 1947. Class 32.

428,563. FISHING RODS. James Heddon's Sons, Dowagiac, Mich.
Filed October 18, 1946. Serial No. 511,086. PUBLISHED JANUARY 7, 1947. Class 22.

428,564. COATING OR LINING COMPOSITION FOR DENTAL MOLDS. Cosmos Dental Products, Inc., New York, N. Y.
Filed November 7, 1946. Serial No. 512,163. PUBLISHED DECEMBER 31, 1946. Class 44.

428,565. SYNTHETIC RESIN DENTURE BASE MATERIALS. Cosmos Dental Products, Inc., New York, N. Y.
Filed November 7, 1946. Serial No. 512,164. PUBLISHED DECEMBER 31, 1946. Class 44.

ACT OF MARCH 19, 1920, SEC. 1 (b)

These registrations are not subject to opposition

428,566. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) Hudson American Corporation, New York, N. Y. Filed Nov. 22, 1943. Serial No. 465,203.

"SAFE T ETCH"

FOR AN ETCHING COMPOUND.
Claims use since June 23, 1943.

428,567. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) John F. Achterberg, doing business as The Can-O-Vegetables Company, El Paso, Tex. Filed June 16, 1944. Serial No. 471,297.

CAN-O-HOMINY

FOR PACKAGED HOMINY.
Claims use since December 1942.

428,568. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) Goldinger Fabrics Company, Los Angeles, Calif. Filed Dec. 13, 1944. Serial No. 477,506.

Capistrano

FOR PIECE GOODS COMPOSED OF SILK, COTTON, RAYON AND OF MIXTURES THEREOF.
Claims use since Dec. 20, 1944.

428,569. (CLASS 2. RECEPTACLES.) Continental Can Company, Inc., New York, N. Y. Filed Mar. 26, 1945. Serial No. 481,316.

GOLDENLINED

FOR METAL CANS.
Claims use since on or about Mar. 8, 1945.

428,570. (CLASS 19. VEHICLES. Myron E. Raker, doing business as Branstrator Body Company, Fort Wayne, Ind. Filed Apr. 12, 1945. Serial No. 482,075.

BRANSTRATOR BODY COMPANY
PEERLESS
FORT WAYNE INDIANA U.S.A.

FOR A TRAILER FOR USE IN ASSOCIATION WITH AUTOMOBILES.
Claims use since June 1944.

428,571. (CLASS 21. ELECTRICAL APPARATUS MACHINES, AND SUPPLIES.) The Rig-A-Lite Co., Houston, Tex. Filed June 9, 1945. Serial No. 484,862.

RIG-A-LITE

FOR ELECTRICAL APPARATUS FOR USE ON WELL DRILLING EQUIPMENT—NAMELY, JUNCTION BOXES, FITTINGS FOR ELECTRICAL CONNECTIONS, ELECTRICAL FLOOD LIGHTS, LIGHTING FIXTURES, ELECTRICAL HAND LAMPS, ELECTRICAL CIRCUIT BREAKER BOXES, AND ELECTRIC LIGHT GUARDS.
Claims use since May 5, 1943.

428,572. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) H. W. Kinney and Sons, Inc., Columbus, Ind. Filed June 20, 1945. Serial No. 484,785.

Kinney

FOR VARIOUS YEAST EXTRACTS AND VITAMIN COMPLEX CAPSULES FOR GENERAL THERAPEUTIC USE.
Claims use since about 1937.

428,573. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) The Chemical Service Company, Baltimore, Md. Filed Oct. 2, 1945. Serial No. 489,257.

STARCH-OL

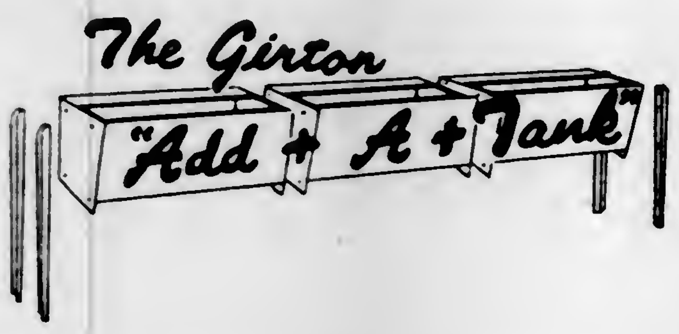
FOR LAUNDRY STARCH.
Claims use since Sept. 25, 1945.

428,574. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) Harry E. Bremer, doing business as H. E. Bremer Mfg. Co., Milwaukee, Wis. Filed Oct. 3, 1945. Serial No. 489,311.

KIT O' THE MONTH

FOR SEMI-FINISHED CASTINGS OF ALUMINUM, IRON AND BRASS FOR COMPLETION IN THE HOME WORK SHOP.
Claims use since Sept. 14, 1945.

428,575. (CLASS 2. RECEPTACLES.) Paul K. Girton, doing business as the Girton Manufacturing Company, Millville, Pa. Filed Oct. 3, 1945. Serial No. 489,325.



FOR WASH TANKS FOR USE IN WASHING DAIRY EQUIPMENT USED IN PROCESSING MILK.
Claims use since Apr. 1, 1945.

428,576. (CLASS 2. RECEPTACLES.) Mallinckrodt Chemical Works, St. Louis, Mo. Filed Oct. 19, 1945. Serial No. 490,107.

WĀ-CUPS

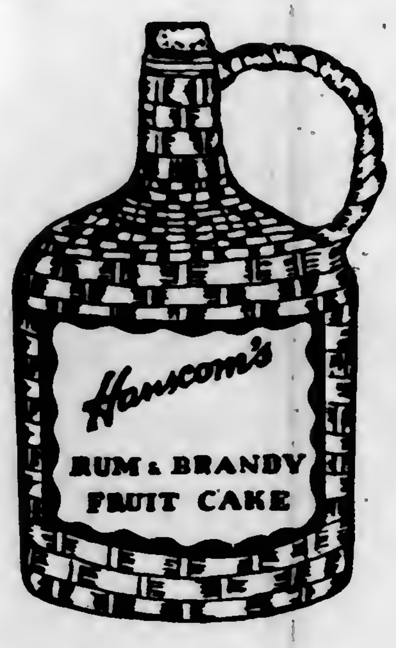
FOR PAPER CUPS TO BE USED AS TEMPORARY CONTAINERS FOR SMALL AMOUNTS OF CHEMICALS.
Claims use since Sept. 19, 1945.

428,577. (CLASS 39. CLOTHING.) Carl-Ed Dress Co., Inc., New York, N. Y. Filed Oct. 31, 1945. Serial No. 490,788.

Martha Roger

The picture of the girl displayed is fanciful.
FOR MISSES' AND WOMEN'S DRESSES.
Claims use since Oct. 5, 1945.

428,578. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) Hanscom Baking Corporation, Long Island City, N. Y. Filed Nov. 3, 1945. Serial No. 491,005.



FOR CAKES.
Claims use since June 13, 1945.

428,579. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) Hanscom Baking Corporation, Long Island City, N. Y. Filed Nov. 3, 1945. Serial No. 491,006.

Hanscom's
RUM & BRANDY
FRUIT CAKE

FOR CAKES.
Claims use since June 13, 1945.

428,580. (CLASS 39. CLOTHING.) LERNER BROTHERS, INCORPORATED, Shelton, Conn., now by change of name Sue Shelton Incorporated. Filed Nov. 23, 1945. Serial No. 492,063.

Sue Shelton

FOR LADIES' AND MISSES' SWEATERS, BLOUSES, SKIRTS, JACKETS, KNITTED DRESSES, AND KNITTED SUITS.
Claims use since Nov. 6, 1945.

428,581. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ESSAM LAMP SHADE COMPANY, Cihcago, Ill. Filed Nov. 26, 1945. Serial No. 492,187.

DUO-PLEAT

FOR ELECTRIC LAMP SHADES MADE FROM RAYON AND PLASTIC FABRICS.
Claims use since Nov. 13, 1945.

428,582. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. ARENA AND CO., LTD., Los Angeles, Calif. Filed Nov. 27, 1945. Serial No. 492,249.

KANDY KARROT

FOR FRESH VEGETABLES—NAMELY CARROTS.
Claims use since Nov. 5, 1945.

428,583. (CLASS 39. CLOTHING.) WESTERN FASHIONS, Los Angeles, Calif. Filed Dec. 10, 1945. Serial No. 493,033.

Lynn Lester

FOR WOMEN'S SUITS, DRESSES, SLACKS, COATS AND BLOUSES.
Claims use since Jan. 1, 1943.

428,584. (CLASS 39. CLOTHING.) VOGUE WEAR, INC., Womelsdorf, Pa. Filed Dec. 11, 1945. Serial No. 493,086.

Voguewear

FOR WOMEN'S, MISSES', AND CHILDREN'S KNITTED AND WOVEN UNDERWEAR INCLUDING SLIPS, NIGHTGOWNS, DRESSING GOWNS, BED-JACKETS, PANTIES, VESTS, BRASSIERES, CHEMISES, GIRDLES AND PAJAMAS.
Claims use since Nov. 23, 1945.

428,585. (CLASS 39. CLOTHING.) RAGAN-MAURICE MILLS, INC., New York, N. Y. Filed Dec. 12, 1945. Serial No. 493,144.

MEND PROOF

FOR HOSIERY.
Claims use since Dec. 20, 1928.

428,586. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) DAVID BLOCH, doing business as David Bloch Sales Co., New York, N. Y. Filed Dec. 14, 1945. Serial No. 493,247.

RUSTOFF

FOR A RUST AND STAIN REMOVER CONSISTING OF AN ADMIXTURE OF CHEMICALS AND AN ABRASIVE, ALL IN POWDER FORM.
Claims use since Nov. 28, 1945.

428,587. (CLASS 39. CLOTHING.) MURRAY J. DAVIS, South Arlington, Va. Filed Dec. 17, 1945. Serial No. 493,431.

STYLED IN CALIFORNIA
by Kay Bryer

FOR LADIES' SKIRTS.
Claims use since Dec. 5, 1945.

428,588. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SAYMAN PRODUCTS COMPANY, St. Louis, Mo. Filed Dec. 17, 1945. Serial No. 493,459.

RUBALM

FOR STAINLESS CHEST RUB.
Claims use since June 28, 1945.

428,589. (CLASS 27. HOROLOGICAL INSTRUMENTS.) THE UNITED STATES TIME CORPORATION, Waterbury, Conn. Filed Dec. 19, 1945. Serial No. 493,576.

Ingersoll

FOR WATCHES AND CLOCKS, BOTH CASED AND UNCASED, AND PARTS THEREFOR.
Claims use since 1910.

428,590. (CLASS 39. CLOTHING.) NAT GREEN, INC., New York, N. Y. Filed Dec. 22, 1945. Serial No. 493,767.

Natalie Green

FOR LADIES', MISSES' AND JUNIORS' COATS AND SUITS.
Claims use since Dec. 19, 1945.

428,591. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) CURRAN ARTWARE MFG. CO., Downers Grove, Ill. Filed Dec. 29, 1945. Serial No. 494,036.

"Howie"

FOR TOY CANNONS.
Claims use since Nov. 7, 1945.

428,592. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) NANCY ANN DRESSED DOLLS, San Francisco, Calif. Filed Jan. 2, 1946. Serial No. 494,196.

MARJORIE DAW

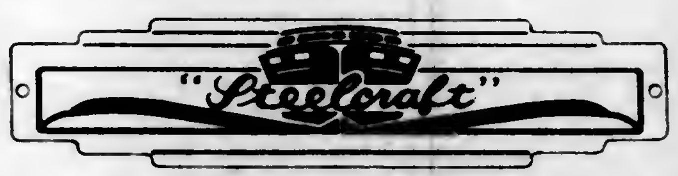
FOR DRESSED DOLLS.
Claims use since Jan. 1, 1945.

428,593. (CLASS 19. VEHICLES.) JACK CHURCHWARD, doing business as Churchward & Company, West Haven, Conn., assignor to Churchward & Co., Inc., West Haven, Conn., a corporation of Connecticut. Filed Jan. 15, 1946. Serial No. 494,781.

"Steelcraft"

FOR POWER BOATS AND PARTS THEREOF—NAMELY, HULLS, HULL FITTINGS, CABINS, GALLEYS, LOCKERS, DECK HOUSES, BERTHS, AND WINDSHIELDS.
Claims use since Nov. 21, 1945.

428,594. (CLASS 19. VEHICLES.) JACK CHURCHWARD, doing business as Churchward & Company, West Haven, Conn., assignor to Churchward & Co., Inc., West Haven, Conn., a corporation of Connecticut. Filed Jan. 15, 1946. Serial No. 494,782.



FOR POWER BOATS AND PARTS THEREOF—NAMELY, HULLS, HULL FITTINGS, CABINS, GALLEYS, LOCKERS, DECK HOUSES, BERTHS, AND WINDSHIELDS.
Claims use since on or about Nov. 21, 1945.

428,595. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CLEMENT L. HIRSCH, doing business as Packer Canning Company, also as Victory Canning Company, Los Angeles, Calif., assignor to Victory Packing Co., Los Angeles, Calif., a corporation of California. Filed Jan. 21, 1946. Serial No. 495,140.

PACKERS'

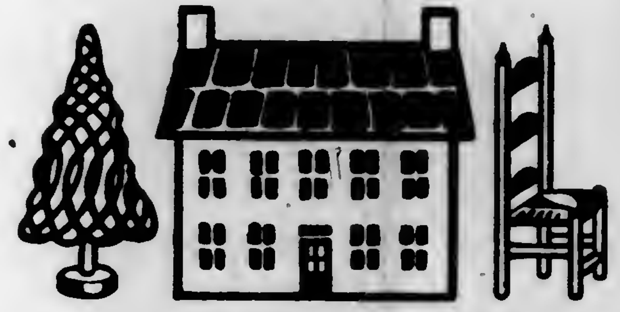
FOR CANNED DOG AND CAT FOOD.
Claims use since Jan. 7, 1946.

428,596. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) TYNIETOY, INC., Providence, R. I. Filed Jan. 22, 1946. Serial No. 495,200.

TYNIETOY

FOR TOY DOLL HOUSES, TOY FURNITURE AND TOY DOLL HOUSE FIXTURES.
Claims use since Sept. 1, 1920.

428,597. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) TYNIETOY, INC., Providence, R. I. Filed Jan. 23, 1946. Serial No. 495,260.



TYNIETOY

FOR TOY DOLL HOUSES, TOY FURNITURE AND TOY DOLL HOUSE FIXTURES.
Claims use since Sept. 1, 1920.

428,598. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) **William Sherman**, doing business as Sherman Novelty Co., New York, N. Y. Filed Jan. 26, 1946. Serial No. 495,512.

The
WHISTLER

FOR TOYS RESEMBLING CANARY BIRDS.
Claims use since April 1944.

428,599. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) **California Spray-Chemical Corporation**, Wilmington, Del., and Richmond, Calif. Filed Jan. 29, 1946. Serial No. 495,572.

KLING-TITE

FOR COMPOUNDS WHICH INFLUENCE SPECIFIC PHYSIOLOGICAL PROCESSES IN PLANTS.
Claims use since Dec. 18, 1945.

428,600. (CLASS 39. CLOTHING.) **Linda Dress Manufacturing Corporation**, Boston, Mass. Filed Jan. 29, 1946. Serial No. 495,615.

Tina Lind

FOR DRESSES, BLOUSES, SKIRTS, SUITS, AND COATS, FOR WOMEN, MISSES, JUNIORS, AND CHILDREN.
Claims use since Dec. 20, 1945.

428,601. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) **Drott Manufacturing Corporation**, Milwaukee, Wis. Filed Feb. 8, 1946. Serial No. 496,213.

DROTT
UNIVERSAL

FOR SHOVEL-ATTACHMENT FOR TRUCKS, TRACTORS, LOADERS, BULLDOZERS, AND GRADERS.
Claims use since Apr. 15, 1943.

428,602. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) **James L. Decker**, doing business as James L. Decker Products Co., Beverly Hills, Calif. Filed Feb. 13, 1946. Serial No. 496,501.

Whirl-E-Gig

FOR BANDALORE-TYPE SPINNING TOYS.
Claims use since Jan. 2, 1946.

428,603. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) **Philip A. Guerrieri**, Chicago, Ill. Filed Feb. 14, 1946. Serial No. 496,555.

STAON
LIP BEAUTIFIER
by GUERRIERI

FOR LIQUID LIP ROUGE.
Claims use since Dec. 8, 1945.

428,604. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) **Reta Terrell**, Chicago, Ill. Filed Feb. 16, 1946. Serial No. 496,740.

SWEDISH
WHITE CARNATION
(Dosvedania)

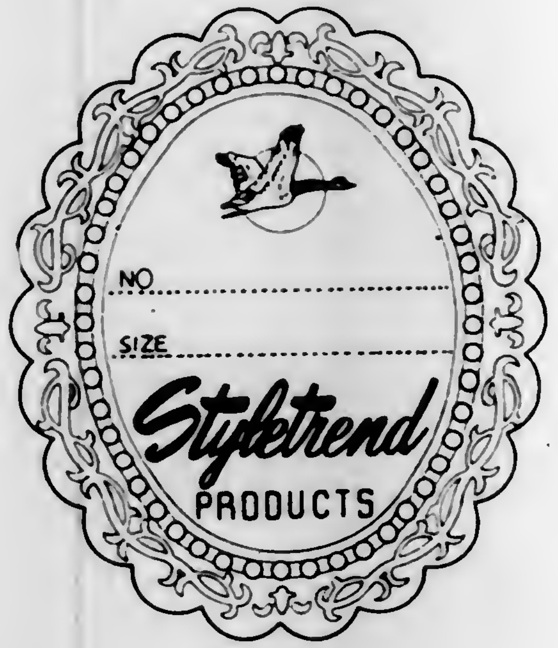
FOR PERFUMES, FACE POWDER, BATH POWDER, PERFUMED SACHET IN POWDERED FORM, TOILET WATER AND BATH OILS.
Claims use since October 1929.

428,605. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) **Mentone Heights Association**, Mentone, Calif. Filed Feb. 23, 1946. Serial No. 497,115.

MENTONE
HEIGHTS

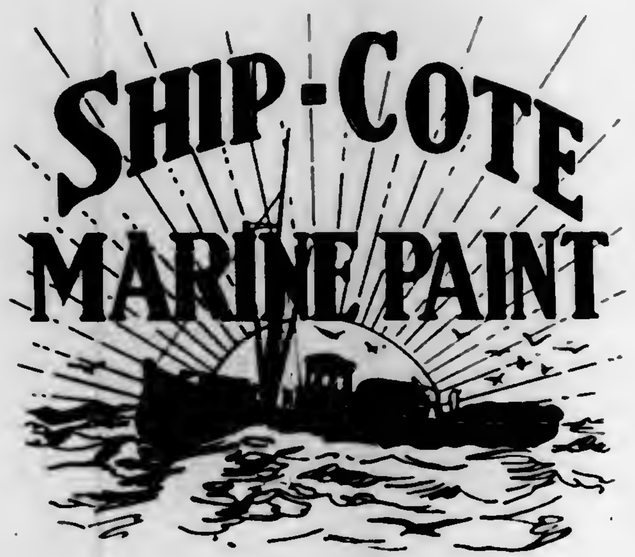
FOR FRESH CITRUS FRUITS.
Claims use since Jan. 12, 1946.

428,606. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) **Abraham Temkin**, doing business as A. Temkin Co., New York, N. Y. Filed February 25, 1946. Serial No. 497,212.



FOR PILLOW CASES, TICKINGS, TABLE CLOTHS, TOWELS, AND NAPKINS.
Claims use since Sept. 1, 1945.

428,607. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) **Ellis Paint Company**, Long Beach, Calif. Filed Mar. 1, 1946. Serial No. 497,471.



FOR READY MIXED PAINTS, VARNISHES, AND PAINT ENAMELS.
Claims use since June 1, 1937.

428,608. (CLASS 39. CLOTHING.) **Sam W. Brunner**, doing business as Angler's Products Co., Elmhurst, Long Island, N. Y. Filed Mar. 2, 1946. Serial No. 497,527.

Cuff-ettes

FOR PROTECTORS IN THE NATURE OF CUFFS FOR THE WRISTS AND SLEEVES OF WEARING APPAREL.
Claims use since Jan. 14, 1946.

428,609. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) **Fashion Craft Jewelry Co., Inc.**, New York, N. Y. Filed Mar. 2, 1946. Serial No. 497,534.

original
by
Robert

FOR IMITATION PEARLS, AND THE FOLLOWING MADE OF PRECIOUS AND SEMI-PRECIOUS METAL—NAMELY, BRACELETS, BROOCHES, CHAINS, EARRINGS, FASTENERS FOR NECKLACES, JEWELRY CLIPS, LAVALLIÈRES, LOCKETS, NOVELTY JEWELRY, ORNAMENTAL PINS, PENDANTS, WATCH BRACELETS, WATCH CHAINS, NOT INCLUDING WATCHES, EAR NUTS AND SCREWS, SWIVELS FOR CHAINS, FINGER RINGS, RING GUARDS, EAR WIRES, STONE SETTINGS, PINTONGS, JOINTS, SAFETY CATCHES, CHAIN CLASPS, SISTERHOOKS, JEWELRY STAMPINGS, AND JEWELRY CASTINGS.
Claims use since Feb. 2, 1942.

428,610. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) **Frank A. Lambert**, doing business as Sulfo-Styptic Co., Steubenville, Ohio. Filed Mar. 22, 1946. Serial No. 498,776.

SULFO-STYPTIC

FOR A MEDICINAL PREPARATION FOR STOPPING BLEEDING AND TO PREVENT INFECTION.
Claims use since Dec. 1, 1945.

428,611. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) Mee Wah Tong, Billings, Mont. Filed Mar. 27, 1946. Serial No. 499,085.

VITA-TOMKUNG

FOR MEDICINAL PREPARATION FOR USE AS A TONIC.

Claims use since Feb. 10, 1945.

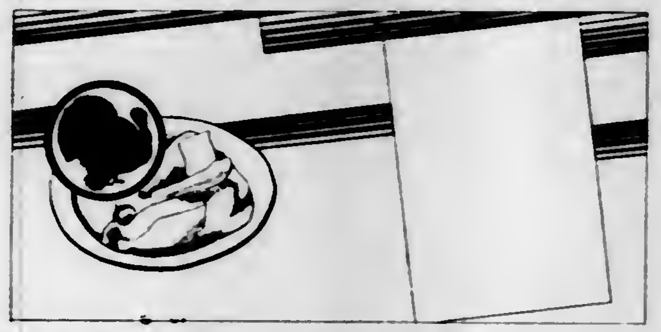
428,612. (CLASS 39. CLOTHING.) Loeb & Hoch, Inc., New York, N. Y. Filed Apr. 13, 1946. Serial No. 500,172.

DEL ROSA

FOR LADIES', MISSES', AND JUNIOR MISSES' COATS AND SUITS.

Claims use since Dec. 1, 1945.

428,613. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) Washington Creamery Company, Seattle, Wash. Filed Apr. 13, 1946. Serial No. 500,194.



FOR CANNED BONED TURKEY AND BROTH.

Claims use since June 1945.

428,614. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) Marie E. Hawkins, doing business as The Cushion Pad Co., Sioux Falls, S. Dak. Filed Apr. 19, 1946. Serial No. 500,538.

HAWKINS

FOR RECOIL PADS FOR GUN STOCKS.

Claims use since May 25, 1925.

428,615. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) Philip Klein, Maplewood, N. J. Filed May 3, 1946. Serial No. 501,390.

TWIRL KOMB

FOR COMBS.

Claims use since Jan. 14, 1946.

428,616. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) Parfait, Incorporated, Chicago, Ill. Filed May 9, 1946. Serial No. 501,769.

Pretty Legs

FOR LEG MAKE-UP AND A DEPILATORY.

Claims use since April 1943.

428,617. (CLASS 43. THREAD AND YARN.) John Dritz & Sons, New York, N. Y. Filed May 15, 1946. Serial No. 502,126.

Classic

FOR PLASTIC YARN AND MIXED RAYON AND COTTON YARN.

Claims use since July 1944.

428,618. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) Griffin Equipment Corporation, New York, N. Y. Filed June 8, 1946. Serial No. 503,515.

The drawing is lined for the color yellow.

FOR ELECTRICAL GENERATORS AND PARTS THEREOF.

Claims use since December 1945.

428,619. (CLASS 19. VEHICLES.) Chrysler Corporation, Highland Park, Mich. Filed June 10, 1946. Serial No. 503,550.

CHRYSLER

FOR AUTOMOBILES AND THEIR STRUCTURAL PARTS.

Claims use since Jan. 1, 1924.

428,620. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) E. J. Wilkins Company, Gloversville, N. Y. Filed June 10, 1946. Serial No. 503,619.

C-Lekt-O

FOR BILL FOLDS.

Claims use since Jan. 1, 1939.

428,621. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) Singer's Jewelers, Alexandria, Va. Filed June 13, 1946. Serial No. 503,835.

Singer's JEWELERS

FOR JEWELRY FOR PERSONAL ADORNMENT, PRECIOUS STONES, STERLING SILVER, SILVER PLATED FLATWARE, HOLLOWWARE AND OTHER PRECIOUS METAL WARE NOT INCLUDING WATCHES.

Claims use since Dec. 14, 1944.

428,622. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) Harold J. Birdsell, doing business as Birdsell Mfg. Company, Los Altos, Calif. Filed June 24, 1946. Serial No. 504,469.

BIRDSELL

FOR ELECTRICAL EQUIPMENT AND MATERIALS; TO WIT, ELECTRIC ARC, WELDERS, BATTERY CHARGERS, CARBON TORCHES, SPOT-WELDERS, SOLDERING OUTFITS, CONSISTING OF A TRANSFORMER-TYPE SOLDERING IRON USING A CARBON RESISTANCE, A CABLE AND A HOLDER FOR HOLDING THE CARBON AGAINST THE IRON AND CABLE CONNECTORS.

Claims use since Nov. 1, 1945.

428,623. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) Hoover Products, Inc., Youngstown, Ohio. Filed June 26, 1946. Serial No. 504,616.

TINKLE TOY

FOR TOY TELEPHONES.

Claims use since Jan. 23, 1946.

428,624. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) Crise Manufacturing Company, Columbus, Ohio. Filed June 29, 1946. Serial No. 504,825.

CRISE

FOR ELECTRICALLY ACTUATED FURNACE CONTROLS, ELECTRIC MOTORS, ELECTRICALLY HEATED BED PADS GENERALLY ADAPTED FOR NON-THERAPEUTIC USES.

Claims use since May 4, 1933.

428,625. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) Jantzen Knitting Mills, Portland, Oreg. Filed July 8, 1946. Serial No. 505,207.

Jantzen

FOR SKIN LOTION.

Claims use since Feb. 15, 1946.

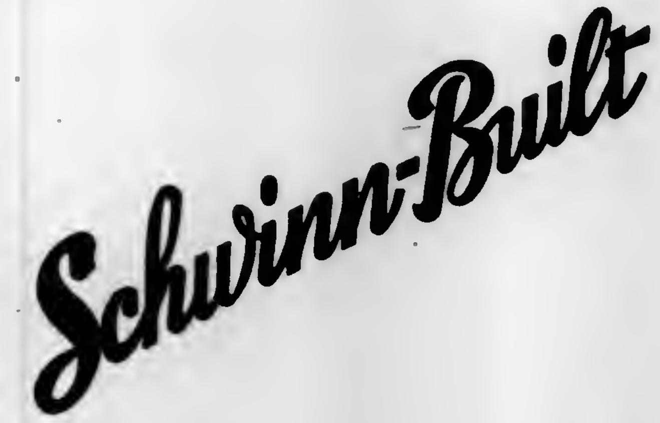
428,626. (CLASS 19. VEHICLES.) Arnold, Schwinn & Co., Chicago, Ill. Filed July 19, 1946. Serial No. 505,882.

SCHWINN

FOR BICYCLES.

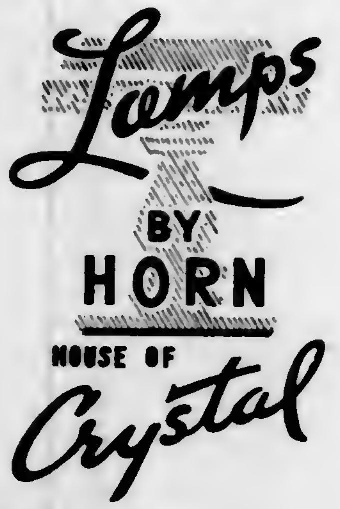
Claims use since March 1935.

428,627. (CLASS 19. VEHICLES.) Arnold, Schwinn & Co., Chicago, Ill. Filed July 19, 1946. Serial No. 505,883.



FOR BICYCLES.
Claims use since 1938.

428,628. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) Sol Horn, Inc., New York, N. Y. Filed Aug. 28, 1946. Serial No. 508,155.



FOR ELECTRIC LAMPS.
Claims use since Dec. 1, 1931.

TRADE-MARK REGISTRATIONS RENEWED

29,122. **CIRCLETTE.** SOLE AND HEEL PROTECTORS. Registered Nov. 10, 1896. The North & Judd Manufacturing Company, New Britain, Conn. Re-renewed Nov. 10, 1946, to United Shoe Machinery Corporation, Flemington, N. J., and Boston, Mass., a corporation of New Jersey. Class 13.

29,580. **"LAIT D'IRIS" ETC.** TOILET-WATER. Registered Feb. 23, 1897. L. T. Piver & Cie., Paris, France. Re-renewed Feb. 23, 1947, to L. T. Piver, Inc., New York, N. Y., a corporation of Delaware. Class 6.

56,605. **REPRESENTATION OF A HORSE-SHOE NAIL.** HORSE-NAILS. Registered Oct. 9, 1906. The Capewell Horse Nail Company. Re-renewed Oct. 9, 1946, to The Capewell Manufacturing Company, Hartford, Conn., a corporation of Connecticut. Class 13.

56,612. **JENKINS BROS.** RUBBER PACKING, RUBBER GASKETS, RUBBER DISKS, RUBBER RINGS, AND RUBBER WASHERS. Registered Oct. 9, 1906. Alfred B. Jenkins, New York, N. Y., and Boston, Mass. Re-renewed Oct. 9, 1946, to Jenkins Bros., New York, N. Y., and Bridgeport, Conn., a corporation of New Jersey. Class 35.

56,982. **ALLRIGHT.** LAUNDRY SOAP. Registered Oct. 30, 1906. William Waltke & Co., St. Louis, Mo. Re-renewed Oct. 30, 1946, to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio. Class 4.

57,128. **USONA.** COFFEE. Registered Nov. 6, 1906. Joseph M. Price, New York, N. Y. Re-renewed Nov. 6, 1946. Class 46.

57,225. **"OSO BLANCO" AND DRAWING.** WHEAT-FLOUR. Registered Nov. 6, 1906. The New Era Milling Company, Arkansas City, Kans., a corporation of Kansas. Re-renewed Nov. 6, 1946. Class 46.

58,282. **STERLING INLAID.** PLATED FLATWARE FOR TABLE USE, INCLUDING KNIVES, FORKS, AND SPOONS. Registered Dec. 11, 1906. International Silver Company. Re-renewed Dec. 11, 1946, to The International Silver Company, Meriden, Conn., a corporation of Connecticut. Class 28.

58,891. **"KAEMPFER'S" AND DESIGN.** BIRD FOODS. Registered Dec. 25, 1906. Frederick Kaempfer, Chicago, Ill. Re-renewed Dec. 25, 1946, to Hartz Mountain Products, New York, N. Y., a firm. Class 46.

59,138. **BLIZZARD.** OIL-BURNING LAMPS AND LANTERNS. Registered Jan. 1, 1907. R. E. Dietz Company, New York, N. Y., a corporation of New York. Re-renewed Jan. 1, 1947. Class 34.

59,139. **JUNIOR.** OIL BURNING TUBULAR LAMPS AND LANTERNS. Registered Jan. 1, 1907. R. E. Dietz Company, New York, N. Y., a corporation of New York. Re-renewed Jan. 1, 1947. Class 34.

59,430. **"YANKEE GIRL" AND DRAWING.** HOSIERY. Registered Jan. 8, 1907. Chas. Chipman's Sons, Easton, Pa. Re-renewed Jan. 8, 1947, to Chas. Chipman's Sons Co., Inc., New York, N. Y., a corporation of New York. Class 39.

59,431. **"SOUTHERN BELLE" AND DRAWING.** HOSIERY. Registered Jan. 8, 1907. Chas. Chipman's Sons, Easton, Pa. Re-renewed Jan. 8, 1947, to Chas. Chipman's Sons Co., Inc., New York, N. Y., a corporation of New York. Class 39.

59,707. **COMMUNITY.** SOLID AND PLATED PRECIOUS-METAL TABLEWARE, FLAT WARE, AND HOLLOW WARE, SOLID AND PLATED PRECIOUS-METAL TOILET ARTICLES, SEWING SETS, EMBROIDERY SETS, WRITING SETS, CHAINS, CHAIN TRIMMINGS, AND OTHER NAMED JEWELRY AND TABLEWARE ITEMS. Registered Jan. 15, 1907. Oneida Community Limited, Kenwood, N. Y. Re-renewed Jan. 15, 1947, to Oneida Ltd., Oneida, N. Y., a corporation of New York. Class 28.

60,102. **REPRESENTATION OF A SWAN.** AUGERS, BITS, BUNG-BORERS, CHISELS, COUNTERSINKS, DRAWING-KNIVES, GIMLETS, GOUGES, AND REAMERS. Registered Jan. 29, 1907. The James Swan Company, Seymour, Conn., a corporation of Connecticut. Re-renewed Jan. 29, 1947. Class 23.

60,123. **REPRESENTATION OF DOME OF BOSTON STATE HOUSE.** VARNISH, JAPAN, DRIERS, AND LIQUID FILLERS. Registered Jan. 29, 1907. Boston Varnish Company. Re-renewed Jan. 29, 1947, to Boston Varnish Company, Everett, Mass., a corporation of Massachusetts. Class 16.

60,172. **JUNIOR.** GLOBES FOR LAMPS AND LANTERNS. Registered Jan. 29, 1907. R. E. Dietz Company, New York, N. Y., a corporation of New York. Re-renewed Jan. 29, 1947. Class 34.

60,173. **BLIZZARD.** GLOBES FOR LAMPS AND LANTERNS. Registered Jan. 29, 1907. R. E. Dietz Company, New York, N. Y., a corporation of New York. Re-renewed Jan. 29, 1947. Class 34

60,252. **KYANIZE.** VARNISH, JAPAN, DRIERS, AND LIQUID FILLERS. Registered Feb. 5, 1907. Boston Varnish Company. Re-renewed Feb. 5, 1947, to Boston Varnish Company, Everett, Mass., a corporation of Massachusetts. Class 16.

60,255. **"EAGLE" AND DRAWING.** TRADING-STAMPS. Registered Feb. 5, 1907. Eagle Trading Stamp Co. Re-renewed Feb. 5, 1947, to Eagle Stamp Company, St. Louis, Mo., a corporation of Delaware. Class 38.

60,259. **"POINT LOMA" ETC. AND DRAWING.** CANNED FISH AND CANNED OYSTERS. Registered Feb. 5, 1907. Klauber Wangenheim Co., San Diego, Calif., a corporation of California. Re-renewed Feb. 5, 1947. Class 46.

60,274. **"FLEISCHMANN'S", ETC.** COMPRESSED YEAST, WHICH IS USED IN THE MAKING OF BREAD AND BREADSTUFFS. Registered Feb. 5, 1907. The Fleischmann Co., Cincinnati, Ohio, and New York, N. Y. Re-renewed Feb. 5, 1947, to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware. Class 46.

60,282. **DIETZ.** OIL-BURNING LAMPS, LANTERNS AND BURNERS. Registered Feb. 5, 1907. R. E. Dietz Company, New York, N. Y., a corporation of New York. Re-renewed Feb. 5, 1947. Class 34.

60,451. **"CRESCENT" AND DESIGN.** TEA. Registered Feb. 12, 1907. Crescent Manufacturing Co., Seattle, Wash., a corporation of Washington. Re-renewed Feb. 12, 1947. Class 46.

60,573. **THE STEIN BLOCH CO. WHOLESALE TAILOR.** MEN'S, YOUTH'S, AND CHILDREN'S COATS, OVERCOATS, VESTS, AND TROUSERS. Registered Feb. 12, 1907. The Stein Bloch Co. Re-renewed Feb. 12, 1947, to Fashion Park, Inc., Rochester, N. Y., a corporation of New York. Class 39.

60,625. **HOLADIN.** EXTRACT OR PREPARATION OF THE PANCREAS GLAND. Registered Feb. 12, 1907. Fairchild Bros. & Foster, New York, N. Y. Re-renewed Feb. 12, 1947, to Sterling Drug Inc., Wilmington, Del., a corporation of Delaware. Class 6.

60,647. **COLEO.** SOAPS FOR TOILET, LAUNDRY, AND HOUSEHOLD USE; ALSO SOAP-POWDERS. Registered Feb. 19, 1907. Colgate & Co., New York, N. Y. Re-renewed Feb. 19, 1947, to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware. Class 4.

60,748. **AUTO STROP.** RAZORS AND RAZOR-BLADES. Registered Feb. 19, 1907. Auto Strop Safety Razor Co., New York, N. Y. Re-renewed Feb. 19, 1947, to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware. Class 23.

60,787. **BETSY ROSS.** HOSIERY. Registered Feb. 19, 1907. Chas. Chipman's Sons. Re-renewed Feb. 19, 1947, to Chipman Knitting Mills, Easton, Pa., a corporation of Pennsylvania. Class 39.

60,830. **CASHMERE.** PERFUMERY, TALC-POWDER, AND TOILET WATER. Registered Feb. 19, 1907. Colgate & Co., New York, N. Y. Re-renewed Feb. 19, 1947, to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware. Class 6.

60,987. **CORN BELT.** FEED GRINDERS. Registered Feb. 26, 1907. Spartan Manufacturing Co., Galesburg, Ill. Re-renewed Feb. 26, 1947, to Gridley Farm Tool Co. Inc., Gridley, Ill., a corporation of Illinois. Class 23.

61,012. **KARGON.** COMPOUNDS TO BE USED IN CONNECTION WITH RHEUMATISM, URIC-ACID, KIDNEY, AND BLADDER DISEASES. Registered Feb. 26, 1907. The Kargon Extracting Co., Cincinnati, Ohio. Re-renewed Feb. 26, 1947, to Sterling Drug Inc., Wilmington, Del., a corporation of Delaware. Class 6.

205,078. **TAMARACK.** COTTON AND COTTON-AND-SILK DRAPERIES AND UPHOLSTERIES IN THE PIECE. Registered Nov. 3, 1925. Manville Jenckes Company, Pawtucket, R. I. Renewed Nov. 3, 1945, to Manville Jenckes Corporation, Manville, R. I., a corporation of Delaware. Class 42.

206,171. **DAMESTRÉ.** COTTON AND RAYON DRAPERIES AND UPHOLSTERIES IN THE PIECE. Registered Nov. 24, 1925. Manville Jenckes Company, Pawtucket, R. I. Renewed Nov. 24, 1945, to Manville Jenckes Corporation, Manville, R. I., a corporation of Delaware. Class 42.

214,045. **AGAR-MUL V. B.** MEDICINE FOR USE IN THE TREATMENT OF CONSTIPATION. Registered June 8, 1926. Van Pelt & Brown. Renewed June 8, 1946, to Van Pelt & Brown, Inc., Richmond, Va., a corporation of Virginia. Class 6.

215,276. **HEXYL-PHOS.** MEDICINE IN TABLET FORM FOR USE AS A URINARY ANTISEPTIC IN THE TREATMENT OF PYELITIS, CYSTITIS, AND URETHRITIS. Registered July 13, 1926. Van Pelt and Brown. Renewed July 13, 1946, to Van Pelt & Brown, Inc., Richmond, Va., a corporation of Virginia. Class 6.

215,278. **SAN-HO.** CAPSULES FOR USE IN THE TREATMENT OF CATARRHAL CONDITIONS OF THE GENITO-URINARY TRACT AND DISEASES OF THE KIDNEY AND BLADDER CAUSED BY SUCH CONDITIONS. Registered July 13, 1926. Van Pelt and Brown. Renewed July 13, 1946, to Van Pelt & Brown, Inc., Richmond, Va., a corporation of Virginia. Class 6.

216,612. **"TAMARACK" AND DRAWING.** COTTON AND COTTON AND SILK DRAPERIES AND UPHOLSERIES IN THE PIECE. Registered Aug. 17, 1926. Manville Jenckes Company, Pawtucket, R. I. Renewed Aug. 17, 1946, to Manville Fabrics, Inc., Providence, R. I., a corporation of Rhode Island. Class 42.

216,668. **C. F. WORTH.** PERFUMES, AND HYGIENIC PRODUCTS—NAMELY, COLOGNE, COLOGNE WATERS, EXTRACTS, REFILLS FOR COMPACTS, TOILET DUSTING POWDERS, POWDER SACHET, BATH SALTS, COLD CREAMS, FACE PACKS, COMPACTS, SKIN CREAMS, SHAMPOOS, TALCUM POWDERS, EYEDROPS, TOILET WATERS, SMELLING SALTS, AROMATIC VINEGAR, FACE POWDERS, ROUGES, BEAUTY CLAY, VANISHING CREAMS, FACIAL PAINTS, SACHETS, SKIN BLEACHES, LIP STICKS, EYEBROW PENCILS, AND HAIR, FACE, HAND AND FOOT LOTIONS. Registered Aug. 17, 1926. Franklin Simon & Co., Inc. Renewed Aug. 17, 1946, to Les Parfums Worth de Paris, Inc., New York, N. Y., a corporation of New York. Class 6.

216,954. **DOLORES MODES.** LADIES' AND MISSES' HATS, DRESSES, COATS, SUITS, HOSIERY, AND SILK AND WOOLEN UNDERWEAR—NAMELY, CHEMISE, STEP-INS, SLIPS, PETTICOATS, AND BLOOMERS. Registered Aug. 24, 1926. Weill & Hartmann. Renewed Aug. 24, 1946, to Charles Weill, Inc., New York, N. Y., a corporation of New York. Class 39.

217,369. **"SAP O TEX" ETC.** SOAP. Registered Aug. 31, 1926. G. S. Robins & Company, St. Louis, Mo., a corporation of Missouri. Renewed Aug. 31, 1946. Class 4.

217,453. **"SANIDENT" ETC. AND DRAWING.** DENTAL PLATE CLEANSER. Registered Aug. 31, 1926. Sylvan M. Edison, doing business as The Edison Laboratories, Chicago, Ill. Renewed August 31, 1946, to Miles Laboratories, Inc., Elkhart, Ind., a corporation of Indiana. Class 4.

217,486. **"MOTORTRADE" ETC.** MONTHLY MAGAZINE. Registered Aug. 31, 1926. Arthur Wm. Wolf, Kansas City, Mo. Renewed Aug. 31, 1946. Class 38.

217,501. **RUA-BALM V·B·**. LIQUID ANALGESIC. Registered Aug. 31, 1926. Van Pelt & Brown. Renewed Aug. 31, 1946, to Van Pelt & Brown, Inc., Richmond, Va., a corporation of Virginia. Class 6.

217,502. **NEO-AGAR V·B·**. EMULSION OF MINERAL OIL, AGAR, AND PHENOLPHTHALEIN. Registered Aug. 31, 1926. Van Pelt & Brown. Renewed Aug. 31, 1946, to Van Pelt & Brown, Inc., Richmond, Va., a corporation of Virginia. Class 6.

217,675. **JACQUIN'S CHOCOLATE LENTILLES.** CHOCOLATES. Registered Sept. 7, 1926. Leon Jacquin, doing business as L. Jacquin. Renewed Sept. 7, 1946, to Maison Jacquin, Paris, France, a French corporation. Class 46.

218,077. **SWING.** SAFETY RAZORS AND SAFETY-RAZOR BLADES. Registered Sept. 21, 1926. Aktiebolaget Svensk Rakklinga, Sandviken, Sweden, a corporation of Sweden. Renewed Sept. 21, 1946. Class 23.

218,131. **ENNA JETTICK.** BOOTS, SHOES, AND SLIPPERS MADE OF LEATHER, RUBBER, OR FABRIC OR COMBINATIONS OF THESE MATERIALS. Registered Sept. 21, 1926. Dunn & McCarthy, Inc., Auburn, N. Y., a corporation of New York. Renewed Sept. 21, 1946. Class 39.

218,521. **DIAMOND.** AUTOMOBILE ACCESSORIES COMPRISING RADIATOR FRONTS, WINDOW LIFTS, HINGES, LOCKS, DOVETAILS, EXHAUST PIPES, FOOT ACCELERATORS, MUFFLERS, RADIATORS, WINDSHIELDS, WINDSHIELD VISORS, INSTRUMENT PANELS, MOLDING AND TUBING FOR USE IN CONNECTION WITH MOTOR-PROPELLED VEHICLES. Registered Sept. 28, 1926. Motor Products Corporation, Detroit, Mich., a corporation of New York. Renewed Sept. 28, 1946. Class 19.

218,756. **PUREFOAM.** SHAVING AND TOILET SOAPS. Registered Oct. 5, 1926. The J. T. Robertson Company, Manchester, Conn., and Syracuse, N. Y. Renewed Oct. 5, 1946, to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio. Class 4.

218,820. **"CHAMPION" AND DESIGN.** BLANK BOOKS. Registered Oct. 5, 1926. Commonwealth Publishing Company, Chicago, Ill., a corporation of Illinois. Renewed Oct. 5, 1946. Class 37.

218,925. **PRIMEX.** VEGETABLE SHORTENING. Registered Oct. 5, 1926. Portsmouth Cotton Oil Refining Corporation, Portsmouth, Va. Renewed Oct. 5, 1946, to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio. Class 46.

219,215. **SOLOX.** WASHING COMPOUND USED IN ADDITION TO SOAP. Registered Oct. 12, 1926. Barrington Manufacturing Corporation, Billerica, Mass. Renewed Oct. 12, 1946, to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio. Class 4.

219,403. **"UNITED" ETC. AND DRAWING.** WRAPPING PAPER. Registered Oct. 19, 1926. United Paper Company, Atlanta, Ga. Renewed Oct. 19, 1946, to United Paper Company, Tampa, Fla., a corporation of Delaware. Class 37.

220,922. **LOVE LANE.** PERFUMES. Registered Nov. 16, 1926. Valpo Company, Berwyn, Ill., a firm. Renewed Nov. 16, 1946. Class 6.

220,999. **WOODMONT.** MEN'S AND CHILDREN'S TEXTILE-FABRIC UNDERWEAR. Registered Nov. 23, 1926. The Campe Corporation. Renewed Nov. 23, 1946, to The Campe Corporation, New York, N. Y., a corporation of Delaware. Class 39.

221,321. **PETER-PAN.** CANNED AND DRIED FRUITS, CANNED VEGETABLES, FRUIT PRESERVES, JAMS, AND JELLIES. Registered Nov. 30, 1926. Inderrieden Canning Co. Renewed Nov. 30, 1946, to The J. B. Inderrieden Co., Chicago, Ill., a corporation of Illinois. Class 46.

221,448. **AVALON.** CANNED FISH. Registered Nov. 30, 1926. The Van Landingham Co., Los Angeles, Calif. Renewed Nov. 30, 1946, to South Coast Fisheries, Inc., Terminal Island, Calif., a corporation of California. Class 46.

221,576. **PERFUMIGATOR.** DEODORIZING MATERIAL. Registered Dec. 7, 1926. U. S. Sanitary Specialties Corporation, Chicago, Ill., a corporation of Illinois. Renewed Dec. 7, 1946. Class 6.

221,990. **CALCRESTA.** MIXTURE OF IPECAC AND CALCIUM PHOSPHATE IN CAPSULE FORM FOR USE PRIMARILY TO DISINFECT THE GASTROINTESTINAL TRACT. Registered Dec. 21, 1926. Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana. Renewed Dec. 21, 1946. Class 6.

222,022. **GRIMEX.** CLEANSING COMPOUND—NAMELY, WASHING POWDER AND DEGREASER. Registered Dec. 21, 1926. U. S. Sanitary Specialties Corporation, Chicago, Ill., a corporation of Illinois. Renewed Dec. 21, 1946. Class 4.

222,199. **MOHAWK.** LEATHER. Registered Dec. 28, 1926. Fred Rueping Leather Company, Fond du Lac, Wis., a corporation of Wisconsin. Renewed Dec. 28, 1946. Class 1.

222,417. **WAR STORIES.** MAGAZINES PUBLISHED MONTHLY. Registered Jan. 4, 1927. Dell Publishing Company, Inc., New York, N. Y., a corporation of New York. Renewed Jan. 4, 1947. Class 38.

222,426. **LYSOL.** SHAVING BRUSHES. Registered Jan. 4, 1927. Lysol, Incorporated. Renewed Jan. 4, 1947, to Lehn & Fink Products Corporation, Bloomfield, N. J., a corporation of New Jersey. Class 29.

222,849. **"ANTOINE" AND DRAWING.** PERFUME, TOILET WATER, FACE POWDER, TALCUM POWDER, FACE CREAMS, ROUGES, BATH SALTS, BRILLIANTINE, SACHETS, DENTIFRICES. Registered Jan. 11, 1927. Antoine Cierplikowski, Paris, France. Renewed Jan. 11, 1947, to Antoine de Paris, Inc., New York, N. Y., a corporation of New York. Class 6.

222,885. **EQUATOR.** STEEL WARM-AIR FURNACES USING COAL, COKE, OIL, GAS, OR WOOD AS FUEL. Registered Jan. 11, 1927. The Lennox Furnace Company, Marshalltown, Iowa, and Syracuse, N. Y. Renewed Jan. 11, 1947, to The Lennox Furnace Company, Marshalltown, Iowa, a corporation of Iowa. Class 34.

223,027. **"STEAREX".** ANIMAL FATS, GREASES, WAXES, AND STEARIC ACID FOR USE AS LUBRICANTS. Registered Jan. 11, 1927. Binney & Smith Company, New York, N. Y., a corporation of New Jersey. Renewed Jan. 11, 1947. Class 15.

223,150. **UNIDAN.** CRUSHING AND GRINDING MACHINES AND PARTS THEREOF. Registered Jan. 18, 1927. F. L. Smidth & Co., New York, N. Y., a corporation of New Jersey. Renewed Jan. 18, 1947. Class 23.

223,155. **BELLE MODE.** SHOE CLEANING AND POLISHING PREPARATIONS. Registered Jan. 18, 1927. Barton Manufacturing Company. Renewed Jan. 18, 1947, to Barton Manufacturing Company, St. Louis, Mo., a corporation of Missouri. Class 4.

223,174. **SYMETRO.** DRIVING AND REDUCTION GEARING. Registered Jan. 18, 1927. F. L. Smidth & Co., New York, N. Y., a corporation of New Jersey. Renewed Jan. 18, 1947. Class 23.

223,263. **THE NUMISMATIST.** MONTHLY PUBLICATION RELATING TO MEDIUMS OF EXCHANGE INCLUDING COINS AND PAPER MONEY, AND MEDALS. Registered Jan. 25, 1927. American Numismatic Association, Baltimore, Md. Renewed Jan. 25, 1947, to American Numismatic Association, Wichita, Kans., a corporation of United States of America by Act of Congress. Class 38.

223,356. **REPRESENTATION OF A SEAL.** LIME. Registered Feb. 1, 1927. The Woodville Lime Products Company, Toledo, Ohio, a corporation of Ohio. Renewed Feb. 1, 1947. Class 12.

223,416. **KLOVERKROP.** LIME. Registered Feb. 1, 1927. The Woodville Lime Products Company, Toledo, Ohio, a corporation of Ohio. Renewed Feb. 1, 1947. Class 12.

223,433. **"BLUE JAY" AND DRAWING.** FOUNTAIN PENS. Registered Feb. 1, 1927. Blackwell-Wielandy Book and Stationery Company. Renewed Feb. 1, 1947, to Blackwell-Wielandy Company, St. Louis, Mo., a corporation of Missouri. Class 37.

223,587. **CORAL GABLES.** HOSIERY. Registered Feb. 8, 1927. Jacob & Schey, New York, N. Y., a firm. Renewed Feb. 8, 1947. Class 39.

223,610. **IDALIA.** CORSETS, KNITTED UNDERWEAR, WOVEN UNDERWEAR, AND HOSIERY. Registered Feb. 8, 1927. De Cody Corset Co., Inc. Renewed Feb. 8, 1947, to De Cody-Idalia Corporation, Lowell, Mass., a corporation of Massachusetts. Class 39.

223,642. **BENRYB.** KNITTED GOLF SOCKS FOR MEN, WOMEN, AND CHILDREN; KNITTED AND TEXTILE GOLF KNICKERS FOR MEN, WOMEN, AND CHILDREN; AND KNITTED AND TEXTILE GOLF COATS FOR MEN, WOMEN AND CHILDREN; AND OTHER NAMED WEARING APPAREL FOR MEN, WOMEN AND CHILDREN. Registered Feb. 8, 1927. Ben Rybke, Portland, Oreg. Renewed Feb. 8, 1947. Class 39.

223,645. **HITENSO.** COPPER WIRE AND COPPER-ALLOY WIRE. Registered Feb. 8, 1927. The American Brass Company, Waterbury, Conn., a corporation of Connecticut. Renewed Feb. 8, 1947. Class 14.

223,671. **SUPER-AERIWEVE.** TROPICAL WORSTEDS IN THE PIECE. Registered Feb. 8, 1927. International Worsted Mills, Methuen, Mass., and New York, N. Y. Renewed Feb. 8, 1947, to Selden Worsted Mills, Methuen, Mass., a corporation of Massachusetts. Class 42.

223,716. **"BOBS".** ONE, TWO, AND THREE PIECE LADIES' KNITTED UNDERWEAR. Registered Feb. 8, 1927. The Parsons & Baker Co., Phoenixville, Pa., a corporation of Pennsylvania. Renewed Feb. 8, 1947. Class 39.

223,817. **"THE WITTLIFF BRACE" AND DESIGN.** METAL FURNITURE BRACES FOR BEDS, CHAIRS, TABLES, AND THE LIKE. Registered Feb. 8, 1927. The Wittliff Furniture Brace Company, Cleveland, Ohio, a corporation of Ohio. Renewed Feb. 8, 1947. Class 13.

223,913. **LUSTRE SCRIM.** SCRIM SASH CURTAINS. Registered Feb. 15, 1927. Boott Mills, Lowell, Mass., a corporation of Massachusetts. Renewed Feb. 15, 1947. Class 42.

223,926. **TOODY.** WATERPROOF CLOTHING—NAMELY, BIBS, BLOOMERS, AND COMBINATIONS. Registered Feb. 15, 1927. Laskin Brothers. Renewed Feb. 15, 1947, to Laskin Brothers, Inc., Philadelphia, Pa., a corporation of Pennsylvania. Class 39.

224,032. **PRINT-AD-STRING.** WRAPPING STRING OR TAPE. Registered Feb. 15, 1927. Chicago Printed String Co., Inc. Renewed Feb. 15, 1947, to Chicago Printed String Company, Chicago, Ill., a firm. Class 7.

224,102. **ULTRA KRAFT.** BUTTONS, BUCKLES, SLIDES, AND DRESS ORNAMENTS MADE OF PEARL, GALOLITH, IVORY, COMPOSITION, CELLULOID, NONPRECIOUS OR BASE METAL, GLASS, RHINESTONES, AND JET MATERIAL. Registered Feb. 15, 1927. Schwanda & Bartleman Co. Inc. Renewed Feb. 15, 1947, to Schwanda, Inc., New York, N. Y., a corporation of New York. Class 40.

224,144. **LAS PALMAS.** FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, GRAPEFRUIT. Registered Feb. 22, 1927. Placentia Orange Growers Association, Fullerton, Calif., a corporation of California. Renewed Feb. 22, 1947. Class 46.

224,165. **"TURTLE BRAND" AND DRAWING.** ROOFING FELT AND PITCH. Registered Feb. 22, 1927. Samuel Cabot, Inc., Boston, Mass., a corporation of Massachusetts. Renewed Feb. 22, 1947. Class 12.

224,166. **CABOT'S.** WOOD AND SHINGLE STAINS, A PAINT OR STAIN FOR PRESERVING WOOD, A PAINT OR STAIN FOR FIREPROOFING WOOD, A PAINT OR STAIN FOR PRESERVING METAL, AND CERTAIN OTHER PAINTS AND PAINT MATERIALS. Registered Feb. 22, 1927. Samuel Cabot, Inc., Boston, Mass., a corporation of Massachusetts. Renewed Feb. 22, 1947. Class 16.

224,175. **WEBER.** ARTISTS' BRUSHES, DRAFTSMEN'S BRUSHES, PAINTERS' BRUSHES. Registered Feb. 22, 1927. F. Weber Co., Philadelphia, Pa., a corporation of Pennsylvania. Renewed Feb. 22, 1947. Class 29.

224,278. **"LUNA DE MIEL" AND DESIGN.** TOILET SOAP. Registered Feb. 22, 1927. The Sydney Ross Co., Newark, N. J., a corporation of New Jersey. Renewed Feb. 22, 1947. Class 4.

224,358. **JOHNSON'S.** VARNISH. Registered Feb. 22, 1927. S. C. Johnson & Son. Renewed Feb. 22, 1947, to S. C. Johnson & Son, Inc., Racine, Wis., a corporation of Wisconsin. Class 16.

REISSUES

MARCH 25, 1947

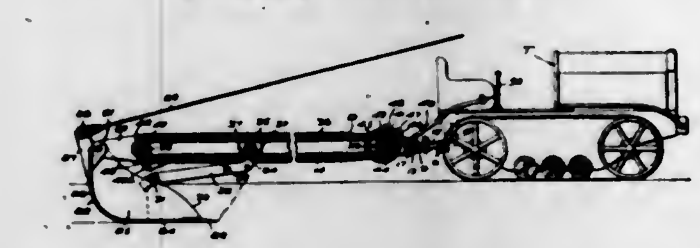
22,855

DIGGING ATTACHMENT FOR TRACTORS OR THE LIKE

Thomas K. Andersen, Port Richmond, N. Y.

Original No. 2,365,164, dated December 19, 1944, Serial No. 459,524, September 24, 1942. Application for reissue December 6, 1945, Serial No. 633,242

8 Claims. (Cl. 37—118)



8. A digging attachment to operate behind a vehicle, comprising a boom of a length equal at least to the length of the vehicle and extending rearwardly of the vehicle in the fore and aft line thereof, a forwardly open digging receptacle carried by the rear end of the boom, the rear portion of the boom being narrower than the receptacle, means for causing the discharge of the material from the receptacle, a horizontal transverse pivot attaching the forward end of the boom to the rear end of the vehicle for swinging movement in a vertical plane whereby the rear end of the boom may be swung an appreciable distance above or below the ground level, said pivot rigidly attaching the boom to the vehicle in the horizontal plane so that the boom will follow the lateral movements of the vehicle, and a hoist connection from the vehicle to the boom for raising the filled receptacle to dumping position and for lowering the empty receptacle to digging position.

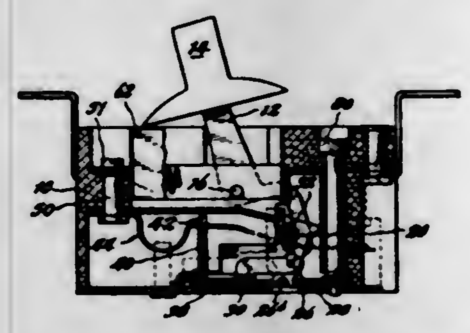
22,856

ELECTRIC SWITCH

David W. Johnson, New Britain, Conn., assignor to The Arrow-Hart & Hegeman Electric Co., Hartford, Conn., a corporation of Connecticut

Original No. 2,286,965, dated June 16, 1942, Serial No. 388,333, April 12, 1941. Application for reissue December 10, 1946, Serial No. 715,165

15 Claims. (Cl. 200—116)



1. In an electric switch, a manually operable operating mechanism including an over-center spring and a manually operable lever to move said spring over-center both into and from closed-circuit position, separable contacts caused to engage and disengage by said mechanism, means operable on occurrence of an overload and employing the stress of said spring to cause separation of said contacts, said overload means including a member responsive to overload conditions, and means to adjust the overload setting of the switch by moving said operating mechanism relatively to said overload responsive member without moving the latter.

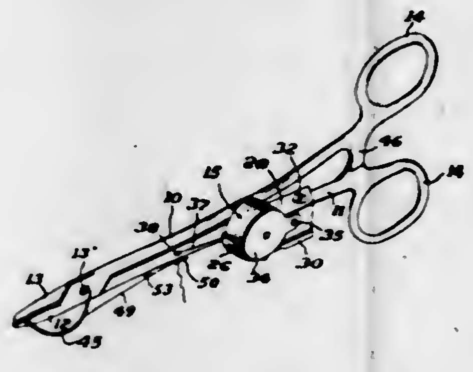
22,857

SUTURING INSTRUMENT

Herbert H. Ogburn, Greensboro, N. C., assignor of one-half to Bobbie Gene Ogburn, one-fourth to Jean Ogburn, and one-fourth to Sally Ogburn, all of Greensboro, N. C.

Original No. 2,365,647, dated December 19, 1944, Serial No. 514,946, December 20, 1943. Application for reissue December 10, 1945, Serial No. 634,027

16 Claims. (Cl. 128—340)



1. In combination, a pair of forceps having a pair of crossing arms each provided at one end with a jaw to receive a suture needle and at its other end with handle means, a suture bobbin rotatably supported on one of said arms, a brake mechanism finger operatable from the handle ends of said arms, and suture guiding means on one of said arms and one of said jaws for guiding a suture from the brake means to the needle eye.

22,858

METHOD OF MANUFACTURING ICE CREAM AND THE PRODUCT THEREOF

Warren D. Roth, Leo C. Brown, and Guy W. Phelps, Chicago, Ill., assignors to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware

No Drawing. Original No. 2,065,398, dated December 22, 1936, Serial No. 754,842, November 26, 1934. Application for reissue September 21, 1946, Serial No. 698,414. In Canada July 21, 1933

22 Claims. (Cl. 99—136)

17. In the manufacture of ice cream, the method of improving the texture and controlling the overrun of the ice cream which comprises adding to the ice cream mix and dissolving therein a small percentage of an ester of a polyhydric alcohol and a higher fatty acid being characterized by one or more free alcoholic hydroxyl groups in the polyhydric alcohol part of the ester.

PLANT PATENTS

GRANTED MARCH 25, 1947

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

725
ROSE PLANT

Marguerite Denoyel, Venissieux, near Lyon, France, assignor to Jackson & Perkins Company, Newark, N. Y., a corporation of New York
Application October 26, 1943, Serial No. 507,719
1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant, characterized as to novelty by the exceptionally large flowers of vivid rose red color and open center when full blown, the imbricated form of petals and long sepals, and the yellow-green young foliage, substantially as shown and described.

726
ROSE PLANT

Gerrit de Ruiter, Hazerswoude, Netherlands, assignor to Jackson & Perkins Company, Newark, N. Y., a corporation of New York
Application December 8, 1942, Serial No. 468,293
1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant of the climbing polyantha type, characterized as to novelty by its climbing habit to unusual height for roses of its class, its suitability for pot forcing, its hardiness, the scarlet red color tone of its flowers, persistency of said coloring, and the absence therefrom of blue and purple shadings, substantially as shown and described.

727
ROSE PLANT

Jean Gaujard, Feyzin, France, assignor to Jackson & Perkins Company, Newark, N. Y., a corporation of New York
Application June 26, 1943, Serial No. 492,467
1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant of the hybrid tea class, characterized as to novelty by its strong, spreading, bushy habit of growth; old foliage of dark green color, tough leathery texture with pronounced veins; new foliage of Mahogany Red; and flowers of Empire Yellow in general tonality intensifying to Apricot Yellow in late fall, substantially as shown and described.

728
PEAR TREE

Charles A. Greiner, Marlboro, N. Y.
Application October 24, 1944, Serial No. 560,121
1 Claim. (Cl. 47—62)

A new and distinct variety of pear tree, characterized predominately as to novelty by its great vigor, its resistance to blight and pear psylla, and the uniformity, marking and shape of the fruit thereof, substantially as shown and described.

729
ROSE PLANT

Charles Mallerin, Varces, France, assignor to The Conard-Pyle Company, West Grove, Pa., a corporation of Pennsylvania
Application January 25, 1944, Serial No. 519,693
1 Claim. (Cl. 47—61)

A new and distinct variety of hybrid tea rose plant, characterized as to novelty by its vigor of habit, glossy foliage with high resistance to disease, free habit of blooming, long lasting quality of blooms, the brilliant yellow color of flowers and persistence of such color in bright sunlight, and fine fragrance, substantially as shown and described.

730
ROSE PLANT

Charles Mallerin, Varces, France, assignor to The Conard-Pyle Company, West Grove, Pa., a corporation of Pennsylvania
Application January 25, 1944, Serial No. 519,694
1 Claim. (Cl. 47—61)

A new and distinct variety of hybrid tea rose plant, characterized as to novelty by its upright, vigorous and shrubby growth bearing flowers opening from long, streamlined buds into large blooms of Coral to Coppery Pink color marked by their persistence and abundance throughout the blooming period, especially in outdoor growing, substantially as shown and described.

731
ROSE PLANT

Francis Meilland, Tassin-les-Lyon, France, assignor to The Conard-Pyle Company, West Grove, Pa., a corporation of Pennsylvania
Application January 25, 1944, Serial No. 519,692
1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant, characterized as to novelty by its vigorous habits of growth and productivity, shiny foliage and disease resistance, and unique coloring of its flowers, substantially as shown and described.

732
ROSE PLANT

Gerard Adriaan van Rossem, Naarden, Netherlands, assignor to Jackson & Perkins Company, Newark, N. Y., a corporation of New York
Application December 8, 1942, Serial No. 468,296
1 Claim. (Cl. 47—61)

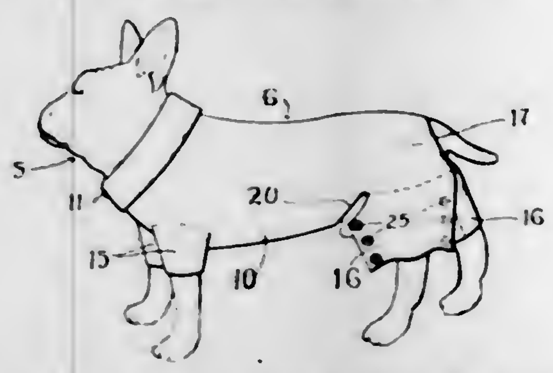
A new and distinct variety of rose plant characterized as to novelty by its habit of tall upright growth producing very long shoots all maturing into flowers and having greater production than varieties commonly used for greenhouse forcing purposes, by the shape of its unique flower initiating in long pointed buds which unfold slowly into high centered blooms, and the peculiar color range of the blossom from the full open stage to its finish, substantially as shown and described.

PATENTS

GRANTED MARCH 25, 1947

2,417,803
DOG'S GARMENT

Michael De Mar, New York, N. Y., assignor to Jack White, New York, N. Y.
Application December 27, 1945, Serial No. 637,389
1 Claim. (Cl. 54—79)



A garment for a four legged animal comprising a circumferentially closed body having a length to envelop substantially the whole length of the animal, and an opening at one end for the animal's neck, a pair of similar hollow front leg receiving portions symmetrically positioned on the body adjacent said opening, the opposite end of the body having a reentrant edge forming a recess to clear the animal's belly, and a pair of rear leg receiving portions symmetrically positioned at the sides of the recess on the under side of the garment, each of said rear leg receiving portions being divided to be united on the inside of the hind legs, and fastening means on the adjoining edges of said divided leg portions to connect same together.

2,417,804
STABLE IODIZED CALCIUM PHOSPHATE

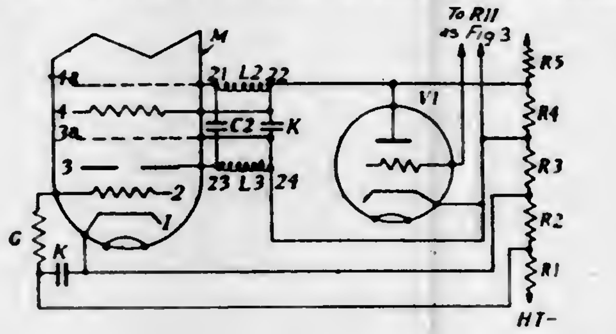
Howard Adler, Flossmoor, Ill., assignor to Victor Chemical Works, a corporation of Illinois
No Drawing. Application September 12, 1941, Serial No. 410,630
4 Claims. (Cl. 23—108)

1. A composition comprising a stable mixture of compound alkaline tricalcium phosphate and a minor amount of potassium iodide, said alkaline tricalcium phosphate having a CaO to P_2O_5 molecular ratio of substantially above the normal 3.33 to 1 and a pH value of 10.0 in 1% aqueous suspension.

2,417,805
ELECTRIC OSCILLATION GENERATOR AND AMPLIFIER

Roy Mayne Barnard and Albert Cooper, London W. C. 2, England, assignors to International Standard Electric Corporation, New York, N. Y.
Application May 12, 1942, Serial No. 442,636
In Great Britain April 30, 1941
14 Claims. (Cl. 315—13)

1. An ultra high frequency oscillation generator comprising an electron multiplier valve including a plurality of secondary emission multiplying electrodes arranged in series between the anode and cathode thereof and a control grid adjacent said cathode; and an oscillating circuit connected with the control grid and a secondary emission electrode, said circuit including a resistance between said grid and the latter electrode.



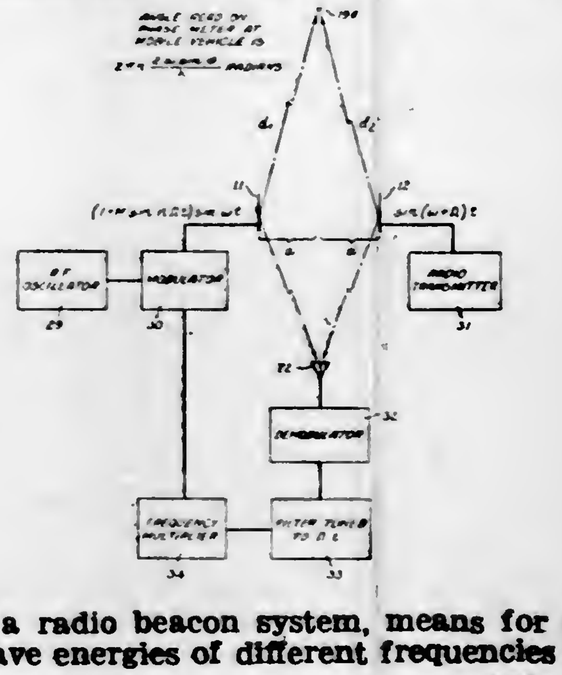
2,417,806
INHIBITION OR RETARDATION OF THE GROWTH OF MICRO-ORGANISMS IN MEAT

Hans F. Bauer and Elmer F. Glabe, Chicago, Ill., assignors, by mesne assignments, to Stein, Hall & Co., Inc., a corporation of New York
No Drawing. Application July 24, 1940, Serial No. 347,156
14 Claims. (Cl. 99—157)

14. A meat containing bacteria and mold inhibiting quantities of a non-toxic water soluble acetate salt containing combined but undissociated acetic acid.

2,417,807
RADIO BEACON

Reed R. Brunner, deceased, late of Baltimore, Md., by Mary M. Brunner, administratrix, Baltimore, Md.
Application March 2, 1944, Serial No. 524,722
11 Claims. (Cl. 250—11)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

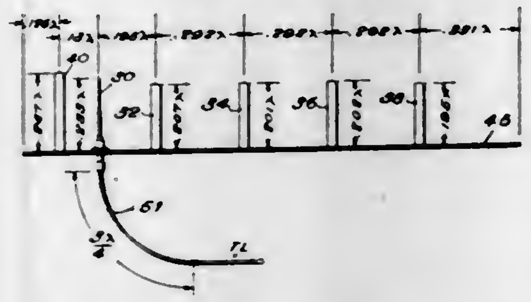


1. In a radio beacon system, means for radiating wave energies of different frequencies from

a plurality of spaced radiators, said energies differing in frequency by a predetermined frequency, and means jointly responsive to said radiated wave energies for radiating wave energy modulated by a harmonic of said difference frequency.

2,417,808
ANTENNA SYSTEM

Philip S. Carter, Rocky Point, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application June 30, 1942, Serial No. 449,103
12 Claims. (Cl. 250—11)

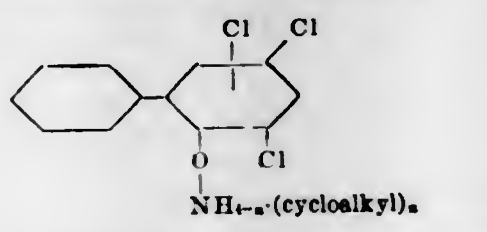


1. A directive antenna array including an energized antenna coupled to a high frequency transducer means, a plurality of parasitic director antennas and a parasitic reflector antenna, all of said antennas being arranged perpendicularly to a common axis of directivity and in a single plane, the spacing of said director antennas varying directly and their lengths varying inversely as their distance from said energized antenna.

2,417,809
AMINE SALTS OF POLYCHLORO-2-HYDROXY-DIPHENYL

Gerald H. Coleman and Wesley D. Schroeder, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application October 24, 1941, Serial No. 416,370
2 Claims. (Cl. 260—567.5)

1. A compound having the formula:

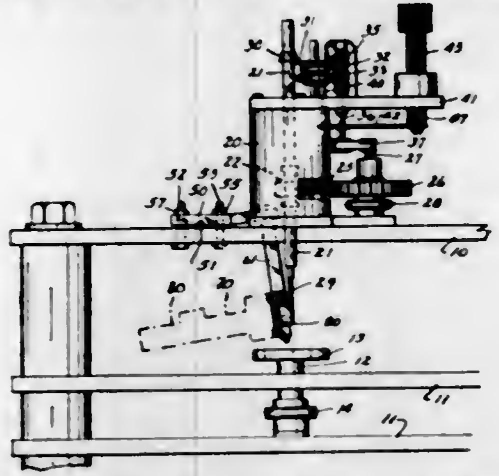


wherein *n* represents an integer not greater than 3, such compound being prepared from a 3.5.x-trichloro-2-hydroxy-diphenyl melting at 117°–118.5° C.

2,417,810
NEEDLE GRINDER FOR FINE DIE DRILLING MACHINES

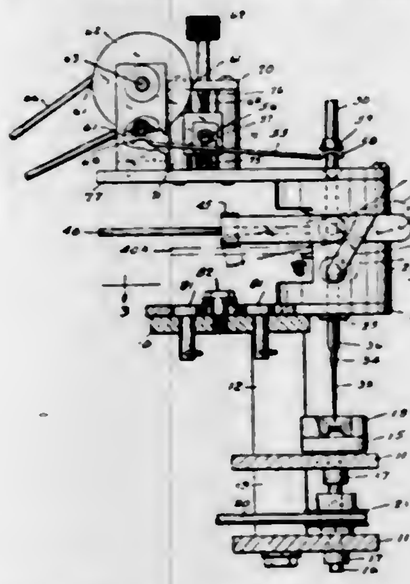
Fred Crossman and Earl A. Southam, Cleveland, Ohio, assignors to Lindsay Wire Weaving Company, Cleveland, Ohio, a corporation of Ohio
Application January 31, 1944, Serial No. 520,446
6 Claims. (Cl. 125—30)

3. The combination with a frame of a drilling machine, a rotary spindle carried thereby and carrying a drill, a work holder opposite the drill, a bracket adjustably secured to the frame of the machine and having a portion projecting at an oblique angle to the axis of the drill, a block swiveled to such oblique portion of the bracket, a slide mounted in the block extending transversely thereof, means for clamping a hone on the slide with the face of the hone at an oblique angle to the axis of the drill, means for swinging the bracket on the frame to change the angle of the hone to the drill, and means for limiting the swinging of the block on the bracket to limit the presentation of the hone to the drill.



2,417,811
DIAMOND DIE DRILLER

Fred Crossman, Earl A. Southam and George J. Ruhl, Cleveland, Ohio, assignors to The Lindsay Wire Weaving Company, Cleveland, Ohio, a corporation of Ohio
Application February 26, 1945, Serial No. 579,834
7 Claims. (Cl. 125—30)



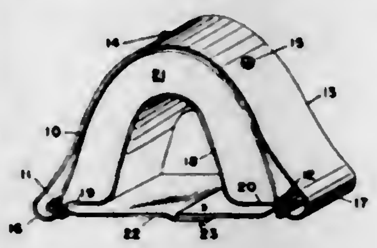
1. A machine for drilling comparatively small holes in work pieces, comprising in combination, a housing, spaced bearings carried by the housing, a sleeve interconnecting the bearings and having a belt groove thereon, an idler pulley journalled on the sleeve, a driving belt, means for shifting the belt between the pulley and sleeve groove, and a drill spindle extending through the sleeve and having a splined connection therewith, whereby the spindle may be rotated but may be withdrawn vertically from the machine without disturbing the driving connection therefor.

2,417,812
WAX BITE RIM FORMER

Paul Gordon Curren, United States Navy
Application August 20, 1945, Serial No. 611,665
3 Claims. (Cl. 18—34.1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

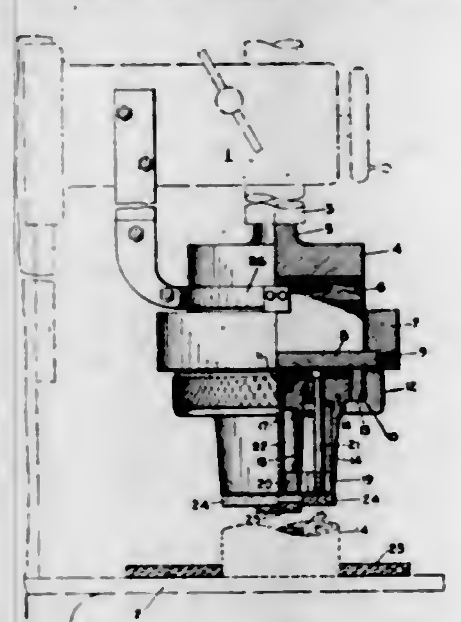
1. A two-section, separable, dental mold for forming wax bite rims which comprises an outer

U-shaped section of strap material, a complementary inner section of strap material having a U-shaped central portion and laterally extending clip-engaging means, said two sections defining an arcuate mold recess, and a pair of clips attached to said outer section forming slots with the ends of said outer section to receive said clip-engaging means.



2,417,813
CUTTING TOOL

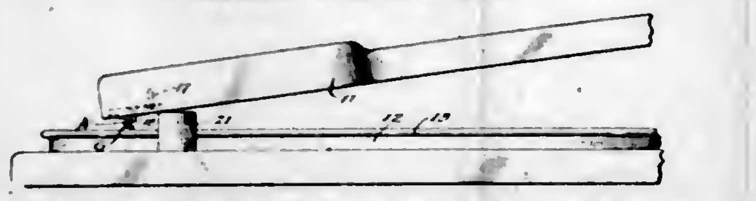
Henry C. Curtis, Vallejo, Calif.
Application October 29, 1945, Serial No. 625,421
3 Claims. (Cl. 164—33)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A tool for cutting circular shapes from a workpiece, comprising, a member having upper and lower surfaces, and having a slot extending therethrough along a transverse axis, together with a recessed portion in the lower surface thereof; means associated with the upper surface of said member to effect engagement between said member and a rotatable fixture of a power source; a slidable collar mounted about the periphery of said member; a bar passing through said slot, said bar being connected to opposing interior surfaces of said collar, and being freely movable in said slot along a longitudinal axis of said member; a cutting element having a circular cutting edge and a base portion, said base portion being receivable into said recessed portion; means cooperable with said member and said cutting element for holding said base portion in a relatively fixed position within said recessed portion; follower means mounted within said circular cutting edge and supported by pin means, said pin means passing freely through said base portion and having an end thereof abutting against the lower surface of said bar, and means for preventing said follower means from disengaging said tool.

2,417,814
PHONOGRAPH NEEDLE GUARD

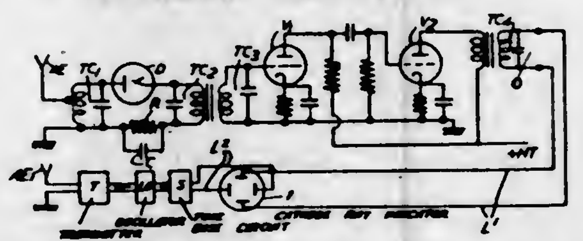
Colin B. Dale, Oak Park, Ill., assignor to Webster-Chicago Corporation, Chicago, Ill., a corporation of Illinois
Application February 16, 1945, Serial No. 578,224
1 Claim. (Cl. 274—23)



The combination of a phonograph tone arm including a pick-up needle, a needle guard consisting of a single piece of wire and composed of laterally spaced sides pivotally connected at their upper ends with the tone arm and located at opposite sides of the needle, a substantially straight cross piece located adjacent the lower ends of said sides in spaced relation therewith and adapted to rest upon a phonograph record, and laterally spaced arched portions connecting the said sides with said cross piece and forming pairs of feet located at opposite sides of the guard and arranged to rest upon the phonograph record, said guard being adapted to swing by gravity to a position extending below the needle and adjacent thereto to check the movement of the tone arm as it is dropped or lowered onto the record and adapted to swing under the influence of forward rotation of the record on which it rests whereby the tone arm is lowered until the needle comes to rest on the record.

2,417,815
RADIO DISTANCE METER

Charles William Earp, London W. C. 2, England, assignor to Standard Telephones and Cables Limited, London, England, a British company
Application September 11, 1942, Serial No. 458,056
In Great Britain March 15, 1940
5 Claims. (Cl. 250—1)



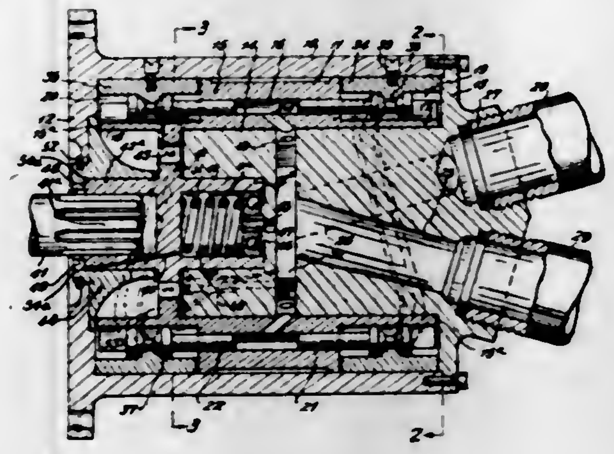
1. System for determining the distance of an object by electromagnetic waves comprising a transmitter including means for cyclically varying the frequency of the generated waves and for varying the rate of change of frequency over the range of frequency sweep, a receiver arranged to receive waves directly from said transmitter and waves reflected from an object, means for intermodulating said directly received and reflected waves to produce beat frequency waves, means for selecting beat frequency waves having a predetermined frequency, a visual distance indicator, means for applying to said indicator said last-mentioned beat frequency waves, means for producing a time base wave integrally related to the cycle of frequency modulation of said transmitter and means for applying said time base wave to said indicator.

2,417,816
FLUID PUMP OR MOTOR

Wilmer S. Fallon, Cleveland, Ohio
Application August 14, 1942, Serial No. 454,773
19 Claims. (Cl. 103—162)

1. A fluid pump or motor comprising a housing having high pressure and low pressure fluid pas-

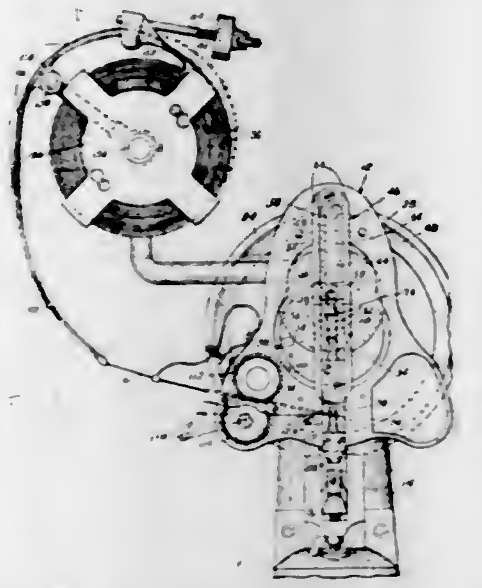
sages, a rotor operable in said housing and having cylinders therein adapted to be connected in succession with said high and low pressure passages, pistons operable in said cylinders, leakage chambers at the outer ends of said cylinders, a passage connecting said leakage chambers with



said low pressure passage, and a piston valve controlling said passage, said valve having one end exposed to pressure from the leakage chambers and another end of relatively reduced area exposed to the pressure of said high pressure passage.

2,417,817
STAPLING MACHINE

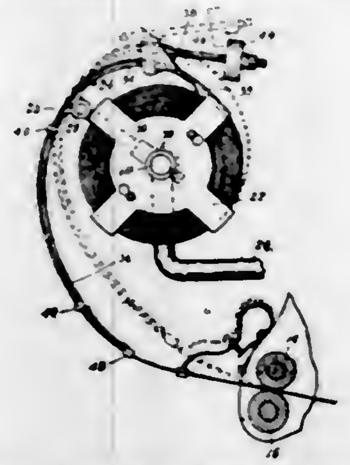
Thomas J. Finn, West Roxbury, Mass.
Application May 2, 1945, Serial No. 591,561
18 Claims. (Cl. 1—2)



1. In a stapling machine having a fixed head with a staple-forming anvil therein, the combination therewith of means to feed wire to said anvil, a staple-forming member movable in direction toward the anvil for bending a length of wire about the said anvil thereby to form a staple, a staple-delivering nose fixed on said head, a staple-driver for driving the formed staples out of said nose, a rotary actuating member, and means responsive to rotation of said actuating member for moving said staple-forming member toward and from the anvil in a path which is entirely within said fixed head, and for moving said staple-driver toward and from said fixed nose in a path which is entirely within said head and nose, whereby the staple-driver stops short of ever projecting beyond the plane of the delivery end of said fixed nose.

2,417,818
UNWINDER CONTROL MECHANISM

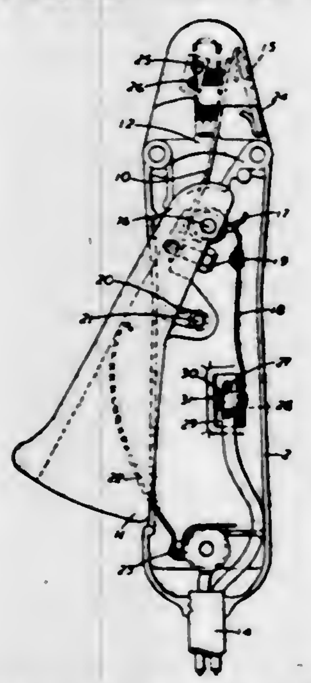
Thomas J. Finn, West Roxbury, Mass.
Application May 24, 1945, Serial No. 595,629
8 Claims. (Cl. 242—1)



1. Unwinder control mechanism comprising means for rotatably supporting a wound supply of material, guiding means pivotally mounted adjacent to the supply of material and arranged to be engaged by material withdrawing from the supply, and to be moved about its pivot in response to a predetermined tension in material withdrawn from the supply, and means responsive to a said movement of the guiding means about its pivot for spreading the portion of material which next is to leave the supply outward from the supply, thereby to reduce resistance to its withdrawal.

2,417,819
APPARATUS FOR JOINING WIRES AND THE LIKE BY FUSION

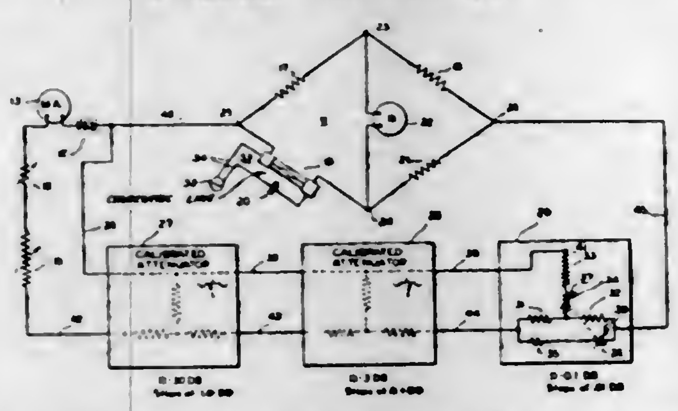
Gilbert Gilliver, London, England, assignor to Standard Telephones and Cables Limited, London, England, a British company
Application March 5, 1945, Serial No. 581,122
In Great Britain March 20, 1944
9 Claims. (Cl. 219—4)



1. A hand tool for joining wire and the like by fusion comprising in combination a casing forming a handle, a pair of plates mounted on said casing in spaced relation and insulated one from the other, a spring mounted carbon electrode located within the space between said plates, said electrode being adjacent one of said plates and movable towards and away from an aperture in the other plate, a trigger lever pivotally supported in said casing, a clamping spring on said trigger lever positioned to move across said aperture and means for connecting an electric circuit to said electrode and said clamping spring.

2,417,820
POWER-MEASURING BRIDGE

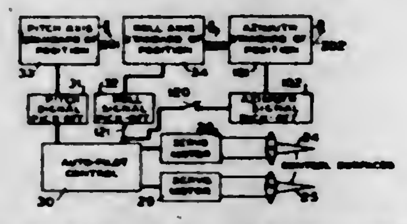
Edward L. Ginzton, Garden City, N. Y., assignor to Sperry Gyroscope Company, Inc., a corporation of New York
Application November 3, 1943, Serial No. 508,804
2 Claims. (Cl. 171—95)



1. Apparatus for measuring alternating-current power, comprising a direct-current power bridge, one arm of which comprises a hot wire unit with means for supplying to the hot wire unit alternating current, the power of which is to be measured, a direct-current source, the output of which may be maintained constant, adjustable calibrated constant input impedance attenuator means, and connections from the direct-current source to said bridge and to said calibrated attenuator means for causing the attenuator means to absorb power according to the setting of the attenuator means, whereby the total power input to the hot wire unit may be maintained constant with variations in alternating-current input power by varying the adjustment of the attenuator means to absorb excess direct current power while retaining constant the effective impedance load for said direct current source.

2,417,821
AUTOMATIC PILOT FOR DIRIGIBLE CRAFT

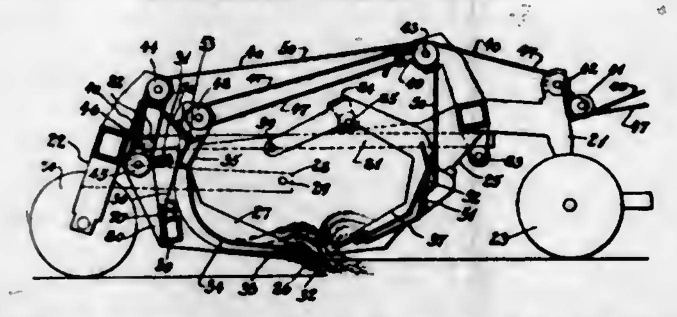
William M. Harcum, Mineola, and Percy Halpert, Kew Gardens, N. Y., assignors to Sperry Gyroscope Company, Inc., a corporation of New York
Application April 26, 1943, Serial No. 484,656
11 Claims. (Cl. 244—77)



2. An automatic pilot for aircraft having a right control surface that produces a moment about both the pitch and roll axes of the craft and a left control surface that produces a moment about both the pitch and roll axes of the craft, control means for each of the control surfaces responsive to both pitch and roll movements of the craft, attitude reference means governing said control means in response to pitch and roll of the craft, servo means for controlling the right surface responsive to one of the control means, and servo means for controlling the left surface responsive to the other of said control means.

2,417,822
WHEELED SCRAPER

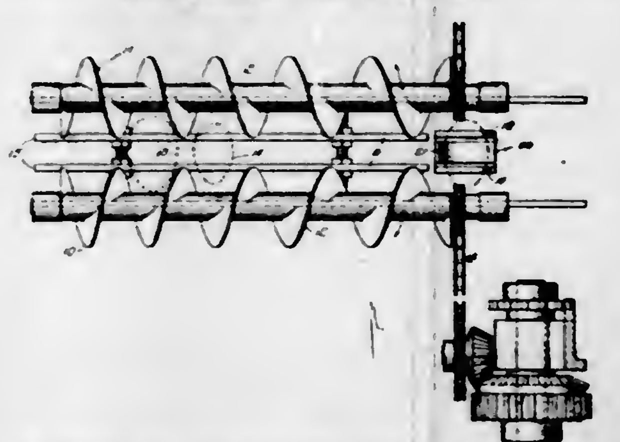
Roger Sherman Hoar, South Milwaukee, Wis., assignor to Bucyrus-Erie Company, South Milwaukee, Wis., a corporation of Delaware
Application January 17, 1944, Serial No. 518,503
8 Claims. (Cl. 37—126)



1. In a scraper, having: front and rear ground supports; a main dirt container, pivotally supported at one end on a horizontal axis by one of these ground supports, and by the other ground support in such manner that its free end may be raised and lowered with respect to said other ground support; a transverse digging blade, carried by the main dirt container; a dumping element, carried by the main dirt container, and capable of being moved forwardly to extrude dirt from the main dirt container; a raisable apron, carried by the main dirt container, and adapted when lowered to prevent forward spillage of dirt from the main dirt container; means to raise the free end of the main dirt container, and thereby the blade; and means to move the dumping element forwardly, so as to cause it to extrude dirt; the combination therewith of: apron-opening means, operatively connecting the dumping element to the apron in such manner that thereby the forward moving of the dumping element to extrude dirt will raise the apron; and distinct apron-opening means, comprising an element carried by the apron and a cooperating element supported by the ground supports a substantially fixed distance above the ground, whereby the engagement of these two elements will raise the apron relative to the main dirt container whenever the free end of the main dirt container is lowered.

2,417,823
EGG FEEDING DEVICE

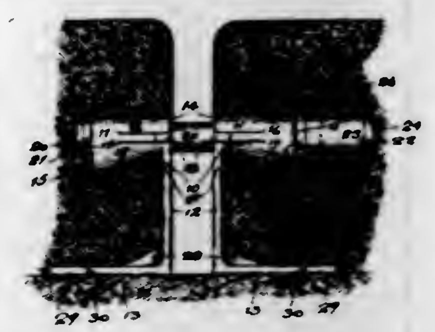
George F. Hodson, Altus, Okla., and Lyman L. Campbell, Riverdale, Ill., assignors to Wilson & Company, Inc., a corporation of Delaware
Application October 28, 1944, Serial No. 560,778
3 Claims. (Cl. 198—20)



1. Means for delivering eggs, including a pair of spaced parallel, wide-threaded oppositely rotating screws and means for rolling eggs between said screws comprising a longitudinal track between said screws, said track being split into two substantially parallel rail sections on which the eggs roll, to provide means for orienting the egg

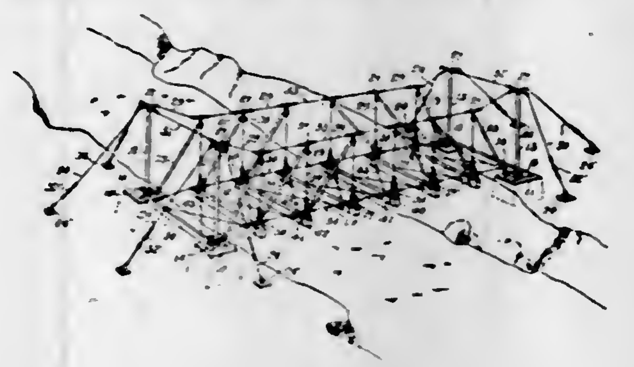
with its long axis transverse to the direction of its forward movement, each section being beveled inwardly to conform generally to the shape of the normal egg.

2,417,824
LOAD TRANSFER UNIT
James H. Jacobson, Chicago, Ill.
Application November 22, 1943, Serial No. 511,225
4 Claims. (Cl. 94—8)



1. In a load transference device, a unit section adapted to be located at a road joint and consisting of a unitary casting comprising a substantially horizontal base, a vertical standard rising from the base, and a substantially horizontal body extending inwardly from the upper end of the standard, said unit section presenting a continuous vertical surface from top to bottom in flush relation with the surface of a slab and having a continuous horizontal bottom surface extending inwardly from said vertical surface, said body being provided with a longitudinal bore and of conoidal formation progressively enlarging from the front end towards the rear end and presenting a substantially horizontal upper medial profile and an obliquely downwardly and rearwardly extending lower medial profile, and a dowel slidable within the body and carried thereby and extending beyond the ends of the body.

2,417,825
BRIDGE STRUCTURE
Edward F. Janke, Sr., Washington, D. C.
Application November 10, 1944, Serial No. 562,773
1 Claim. (Cl. 14—3)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A bridge structure comprising end masts and a plurality of interconnected boom sections each section including a boom and a suspension rod, upper and lower chords formed of rods connected by link fasteners extending between said masts, means for connecting said booms to said link fasteners in the upper chord, means for connecting said suspension rods to said booms at their upper ends and beam support fasteners for uniting the lower ends of adjacent booms and suspension rods, said beam support fasteners each including an elongated strip to which is connected a link fastener of a lower chord, loop fasteners connected to said elongated strips, and supporting loops connected to said loop fasteners, beams supported by said loops, stringers mounted on said beams, and flooring mounted on said stringers.

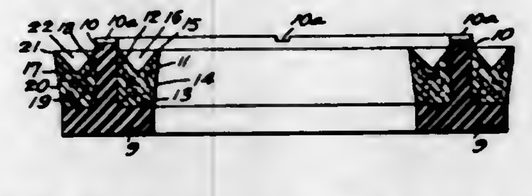
2,417,826
LUBRICATING COMPOSITION
William A. Jones, Ponca City, Okla., assignor to Continental Oil Company, Ponca City, Okla., a corporation of Delaware
No Drawing. Application February 22, 1945, Serial No. 579,319
8 Claims. (Cl. 252—32.7)

1. A lubricating composition comprising a mineral oil of lubricating viscosity normally tending to oxidize in use, having incorporated therein from about 1% to about 5% of the product of reaction at an elevated temperature of an unsaturated hydrocarbon and the material derived by fusing together a metal sulfide, a phosphorus sulfide, and elemental sulfur.

2,417,827
LUBRICATING COMPOSITION
William A. Jones, Ponca City, Okla., assignor to Continental Oil Company, Ponca City, Okla., a corporation of Delaware
No Drawing. Application February 21, 1945, Serial No. 579,147
5 Claims. (Cl. 252—49)

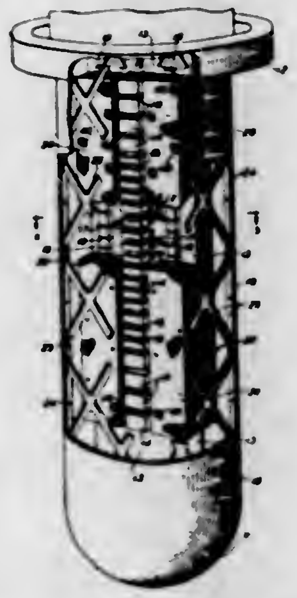
1. A lubricant comprising an oil of lubricating viscosity normally tending to oxidize in use having incorporated therein an inorganic tetrathiophosphate in an amount sufficient to inhibit oxidation of the oil.

2,417,828
FLUID SEAL
Joseph F. Joy, Washington, D. C.
Application April 21, 1943, Serial No. 483,841
5 Claims. (Cl. 288—5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



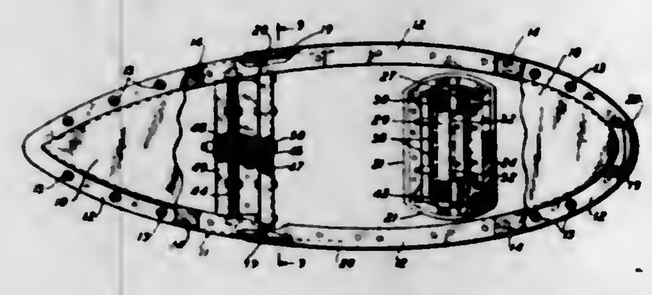
1. A sealing device for spaced-apart generally parallel co-extensive walls, comprising: rigid means, having a first leg portion adapted for position transversely with respect to said co-extensive walls, and at least one second leg portion extending laterally from said first leg portion intermediate its transverse margins, said first and second leg portions being adapted to form at least two grooves co-extensive with said walls; resilient sealing means, disposed in each of said grooves, each having a recess formed therein, providing a base portion abutting the adjoining surface of said first leg and a pair of sealing lips each of tapered construction and extending from said base portion, each sealing means, when the sealing device is assembled with said co-extensive walls, having spaced surfaces, one of which is adapted to engage and lie along the adjoining one of said co-extensive walls, and the other of which abuts and lies along the adjoining surface of said second leg portion, and each sealing means also having facing surfaces extending from said base portion in diverging relation to intersection with said spaced surfaces, thereby forming the tapered sealing lips; the foregoing construction being such that fluid pressure on said sealing device urges said base portion against the adjacent surface of said first leg and each of said sealing lips against its respective wall and the adjoining surface of said second leg portion.

2,417,829
COMPRESSIONAL WAVE SIGNALING DEVICE
Arthur C. Keller, Bronxville, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 31, 1942, Serial No. 470,807
6 Claims. (Cl. 177—386)



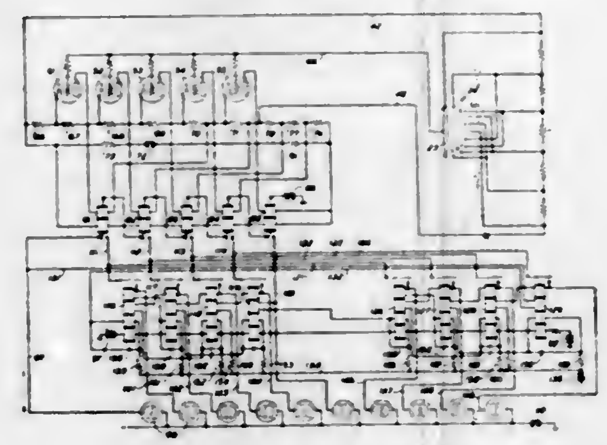
1. A compressional wave signaling device comprising a supporting member, a row of piezoelectric crystals adjacent and mounted on said member, said member having portions laterally beyond said crystals, and mesh screens on opposite sides of said row of crystals and overlying said portions of said member.

2,417,830
COMPRESSIONAL WAVE SIGNALING DEVICE
Arthur C. Keller, Bronxville, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 2, 1943, Serial No. 493,177
5 Claims. (Cl. 177—386)



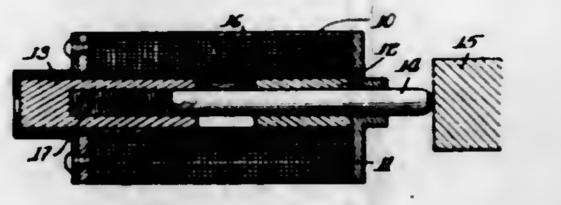
1. A compressional wave signaling device comprising a housing including an elongated body portion, said portion having a window transparent to compressional waves and extending over the front end thereof and rearwardly from said end, a signal translating device mounted within said portion adjacent said front end thereof, a compressional wave energy absorbing. element mounted within said portion adjacent the rear extremities of said window, and compressional wave reflecting means mounted within said portion rearward of said absorbing element.

2,417,831
COUNTING RELAY SYSTEM
Fullerton S. Kinkead, deceased, late of New York, N. Y., by Rita Smith Kinkead, administratrix, Trudeau, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Original application November 7, 1942, Serial No. 464,846. Divided and this application September 3, 1943, Serial No. 501,125
16 Claims. (Cl. 177—353)



14. In an electrical distributor system, a plurality of distribution paths having sequential distributive relation and adapted to be completed individually, a plurality of relays adapted to prepare said distribution paths, said relays each having operating windings connected to two of said paths and each such connection including operating windings of two of said relays for operating the relays to prepare their distribution paths, and means for completing said paths successively in either sequential direction.

2,417,832
SOLENOID
John C. Koonz, La Vern Edward Quinnell, and Ralph H. Severance, Fort Wayne, Ind., assignors to The Magnavox Company, Fort Wayne, Ind., a corporation of Indiana
Application November 23, 1942, Serial No. 466,550
5 Claims. (Cl. 175—341)



5. A combined electro-mechanical solenoid comprising a coil, a movable plunger, a fixed core part limiting the movement of the plunger, said core part being of magnetic material and positioned to increase the attractive force on the plunger as the plunger approaches its limit of movement determined by said core part, a load-moving plunger slidable in said core part, a compression spring interposed between the plunger shaft and the plunger and compressed by the plunger until, as it approaches its limit position, the accelerating attractive force of the core part on the plunger overcomes the initial load resistance on the plunger shaft whereby the spring continues movement of the load moving plunger shaft after the plunger has been brought to rest by engagement with the core part.

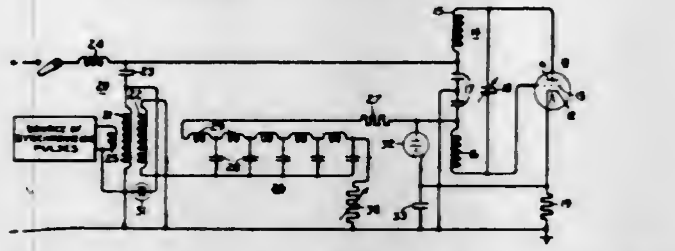
2,417,833
LUBRICANT

Bert H. Lincoln and Joseph M. Hersh, Ponca City, Okla., assignors to Continental Oil Company, Ponca City, Okla., a corporation of Delaware
No Drawing. Application April 22, 1944, Serial No. 532,346
9 Claims. (Cl. 252—33.6)

1. A lubricant comprising a major proportion of an oil of lubricating viscosity having a minor proportion, sufficient to improve the lubricating characteristics of the oil, of an aliphatic diacid of from 6 to 12 carbon atoms, said acid having terminal carboxyl groups which are substituted with a silicon containing radical.

2,417,834
SELF-PULSING OSCILLATOR

Harold W. Lord, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application February 19, 1943, Serial No. 476,371
13 Claims. (Cl. 250—36)

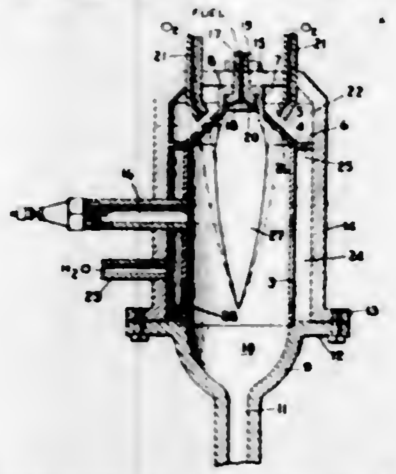


13. In combination, a direct current source, an oscillator energized therefrom comprising an electron discharge device having an anode, a cathode, and a control electrode, said oscillator including an anode-cathode circuit for said discharge device and means for deriving from said anode-cathode circuit and supplying to said control electrode oscillatory energy in proper phase relation to support oscillations in said circuit, pulse generating means energized from said source and including a second circuit connected between said anode and cathode and a capacitive time delay network connected between said cathode and said control electrode, and means for coupling said second circuit and said time delay network, thereby to render said discharge device non-conductive a predetermined time after initiation of oscillations therein.

2,417,835
COMBUSTION DEVICE

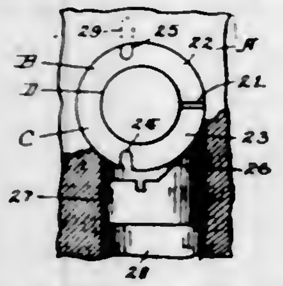
Harry H. Moore, Washington, D. C.
Application September 25, 1936, Serial No. 102,545
2 Claims. (Cl. 60—45)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A combustion device, comprising a base member having in it a substantially globular cavity merging into a constricted outlet, an outer member of low thermal conductivity metal having a closed end and an open end secured to said base; a spray head having a cup-shaped portion seated against said closed end, a frusto-conical portion connected at its small end to said cup-shaped portion, and a radially outwardly extending plane flange at the base of said frusto-conical portion fitting against the inner surface of said outer member, the said flange and said frusto-conical portion being finely perforated; a fuel supply device extending through said outer member into said cup-shaped portion, an inner hollow cylindrical member of metal resistant to oxidation seated on said base to coincide with said cavity and seated against said spray head at the juncture of said frusto-conical portion and said flange, said inner member having fine perforations through its wall adjacent said base directed inwardly toward said base, means to introduce a plurality of streams of combustion supporting fluid through the closed end of said outer member, means to introduce water into the space between said inner and said outer members, and means to give access to said inner member to ignite a fuel mixture therein.



2,417,836
COLLET

John T. Obecny, Los Angeles, Calif.
Application April 24, 1943, Serial No. 484,413
1 Claim. (Cl. 279—54)



A collet for holding a work piece in a support having a cylindrical chuck opening, an immovable key on the inner wall of said opening and a plunger reciprocable laterally to the axis of said opening, said collet comprising a cylindrical body substantially corresponding with and freely insertable longitudinally in said chuck opening having a longitudinal socket therein and being bifurcated on one side longitudinally from end to end to provide arcuate arms the end of which are normally separated and at least one of which is resilient and adapted to be contracted by the reciprocable movement of said plunger, and said body having a longitudinal slot in the outer surface of at least one of said arms to receive and provide fixed engagement with said key when the collet is inserted in said chuck opening, to maintain said body with its contractible arm coactively juxtaposed to said reciprocable plunger.

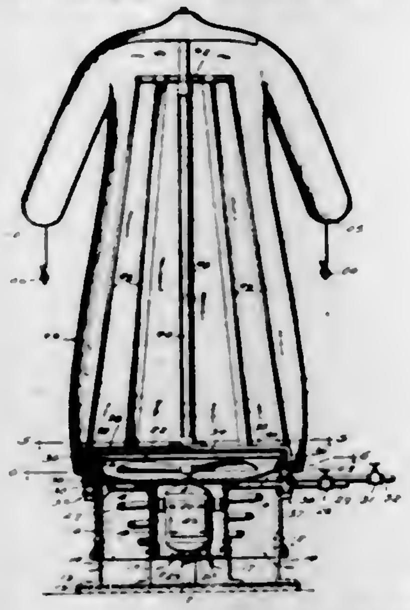
2,417,837
LAMINATING PLASTIC SHEETS

Louis Paggi, Belleville, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 22, 1943, Serial No. 484,127
9 Claims. (Cl. 154—139)

1. Process of laminating a sheet of plastic from the group consisting of polymers of acrylic and methacrylic acids, their esters, and anhydrides, and a second sheet comprising a plasticized polyvinyl acetal resin acetalized with an aliphatic aldehyde having from 2 to 6 carbon atoms, said two sheets not being normally readily adherent to each other, which process comprises coating one side of said first sheet of plastic with a water-insoluble plasticizer therefor and a polysilicic acid sol in an organic solvent for said plasticizer, drying the coating thus formed to remove the organic solvent and to obtain a dry, hard surface on said first sheet, placing said second sheet in contact with the coated side of said first sheet, and uniting the two under heat and pressure.

2,417,838
GARMENT FINISHING APPARATUS

August F. Paris, Brockway, Pa.
Application February 12, 1945, Serial No. 577,495
15 Claims. (Cl. 223—70)

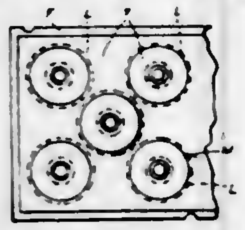


1. In a garment finishing apparatus, an air-receiving and discharging casing having an upright cylindrical side wall with an open top, a ring resting on the upper edge of said side wall and carrying a diametrical bar, an upright support rising from said bar, an inflatable garment form surrounding and suspended from said support and having an open lower end disposed snugly beneath said ring and removably engaged with said side wall, a vertical axis electric motor arranged concentrically within said side wall and having the upper end of its shaft terminating close to the open top of said side wall, means for supporting said motor including readily releasable means permitting upward withdrawal, and a fan secured to the projecting end of said shaft and having blades rotatable immediately below the open top of said side wall and over the major portion of the area surrounded by said side wall, said ring and the support which it carries being readily detachable as a unit from the upper end of said side wall, whereby upon removal of said garment form and said ring carried support, the motor and fan may be immediately withdrawn through the top of said side wall without the disconnection or removal of other parts.

2,417,839
MANUFACTURE OF RECTIFIER DISCS

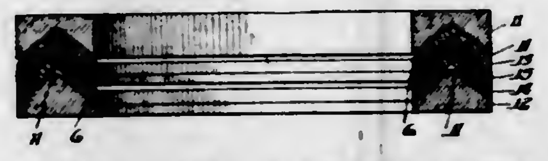
Edward Arthur Richards, Leslie James Ellison, and Frank Gray, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application November 20, 1943, Serial No. 511,102
In Great Britain December 3, 1942
4 Claims. (Cl. 175—366)

1. A process of manufacturing a plurality of selenium rectifier elements from a base plate provided with a selenium coating which comprises the following steps: punching out a plurality of holes corresponding to the holes in the elements to be made, applying insulating enamel to the selenium coating to cover a small area around each hole, subjecting the base plate to heat treatment to convert the selenium to its rectifying condition and to bake the enamel, applying an adhesive paper mask having holes slightly smaller than the elements to be produced to the selenium coating, inserting masking pins in the holes, spraying the base plate with counter-electrode metal covering the mask and the exposed selenium surfaces, subjecting the base plate thus coated to an electrical forming process, severing the elements with a peripheral rim of paper and finally removing said rim of paper leaving the edges of the elements free from counter-electrode metal.



2,417,840
PACKING RING

Lester W. Rodgers and Stanley H. Simpson, Evanston, Ill.
Application March 25, 1944, Serial No. 528,097
9 Claims. (Cl. 288—5)



1. A packing ring for producing against a fluid medium a seal about a moving part comprising a member formed of a lastic or rubber-like material so as to have a generally V-shaped cross sectional area of uniform thickness from the center to the stationary side and of gradually decreasing thickness from the center to the motion side, said ring at the motion side having an outer edge surface normally extending outwardly at an acute angle to a plane parallel to the central line of said ring, said angle being within the range of zero to fifteen degrees.

2,417,841
NUCLEOTIDE COMPOUNDS OF COMPONENTS OF VITAMIN B COMPLEX

Simon L. Ruskin, New York, N. Y., assignor to Frances R. Ruskin
No Drawing. Application June 21, 1944, Serial No. 541,469
11 Claims. (Cl. 167—81)

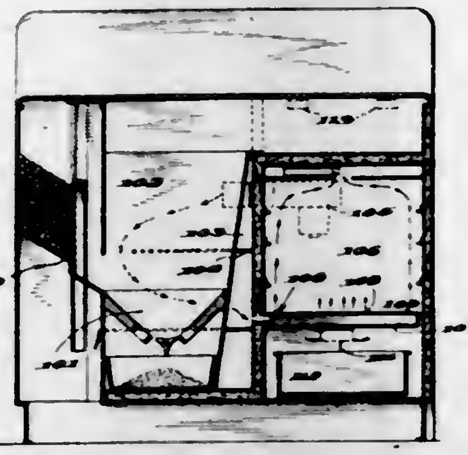
5. A vitamin B complex preparation containing at least one of the factors of the group consisting of thiamine, riboflavin, nicotinamide, pyridoxin and choline in the form of a synthetically and previously produced adenylate.

2,417,842
COOKING STOVE

Hugh W. Sanford and William Porter Biddle, Jr., Knoxville, Tenn.; said Biddle, Jr., assignor to said Sanford
Application March 17, 1942, Serial No. 435,088
23 Claims. (Cl. 126—1)

1. In a cook stove, the combination of an oven, heating means externally of the oven and having

a radiant heating wall surface enclosing the heating means at one side thereof, means for withdrawing air at the top of the oven and directing the same in heat exchange relation with the opposite side of said wall surface from the heating means for heating of the air thereby, and separate means for directing said heated air into the lower portion of the oven.



2,417,843

DRYING OF MOIST FOOD PRODUCTS

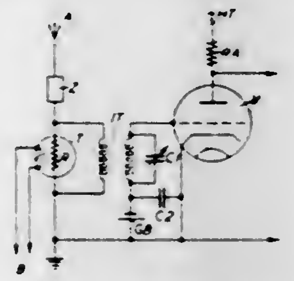
Robert M. Schaffner, Chicago, Ill., assignor to The Guardite Corporation, a corporation of Illinois
No Drawing. Application May 30, 1944, Serial No. 538,091
4 Claims. (Cl. 99—204)

1. In the drying of uncooked potatoes to remove moisture naturally contained therein, the step of blanching the potatoes before drying at a temperature of about 229° F. for about 2 minutes, and then drying in an atmosphere of superheated steam while subject to intense radiant heat, whereby on a predetermined drying cycle the product will acquire a minimum moisture content.

2,417,844

RADIO RECEIVER

Charles Thomas Scully and Leslie Wilfred Houghton, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application May 8, 1943, Serial No. 486,242
In Great Britain June 5, 1942
5 Claims. (Cl. 250—20)

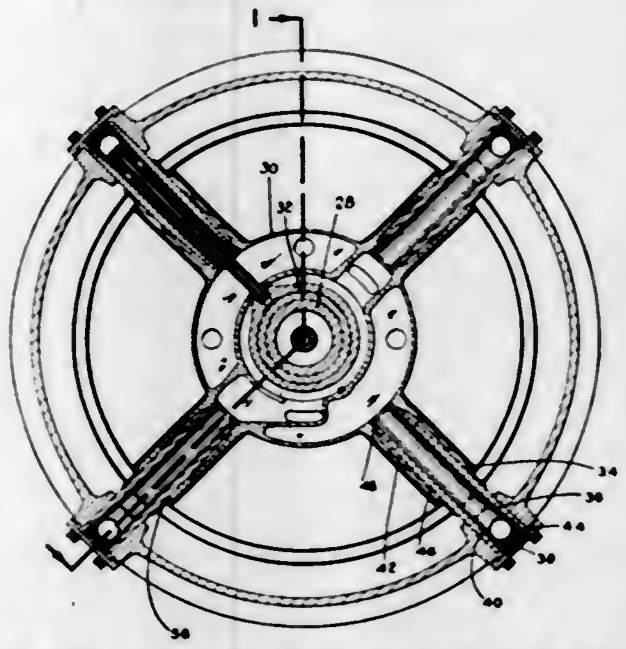


1. A device for automatic volume control of a radio receiver comprising an aerial circuit including an aerial, an indirectly heated thermistor having a heater, means connecting the resistance element of said thermistor in the aerial circuit, means for deriving electrical energy directly from the aerial circuit proportional to the energy reaching said receiver, means connecting said deriving means to said heater whereby increase of energy causes said thermistor to absorb energy from said aerial circuit, and a transformer for making a connection with the radio receiver having a primary winding in which said thermistor resistance shunts the primary of said transformer.

2,417,845

TURBINE CONSTRUCTION

Carl R. Soderberg, Weston, Mass., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application January 28, 1944, Serial No. 520,066
11 Claims. (Cl. 253—39)

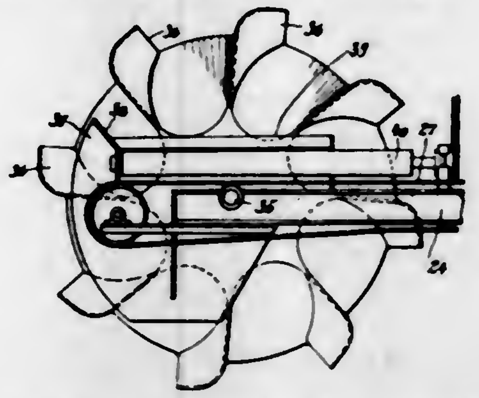


7. A turbine construction including a housing, a casing within and supported by the housing, a rotor within the casing, a bearing for the rotor, a mounting for the bearing located within the housing, said housing having radial bores adjacent the mounting, and a duct connected to the casing and surrounding the mounting in combination with radial pins in the bores in said housing and engaging and supporting said mounting, said pins also supporting the duct within the housing.

2,417,846

DUMPING DEVICE FOR WHEEL EXCAVATORS

Paul S. Stevens, South Milwaukee, Wis., assignor to Bucyrus-Erie Company, South Milwaukee, Wis., a corporation of Delaware
Application September 10, 1945, Serial No. 615,434
13 Claims. (Cl. 37—190)

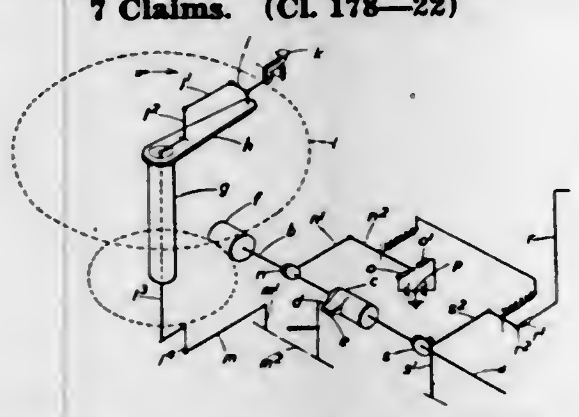


1. In a wheel excavator, the combination of: a main frame; a ladder, supported by said frame; a conveyor-belt, extending lengthwise of said ladder; a digging wheel, located alongside the belt at the outer end of the ladder with its axis transverse of the ladder; a series of digging buckets, carried peripherally by the wheel, each of said buckets having an opening for dumping towards the conveyor-belt; a fixed closure for said dumping openings, carried by the ladder, and extending throughout a portion of the upward path of the buckets; a sluicing plate, the top of which is located adjacent the wheel, substantially throughout the dumping portion of the bucket cycle, said plate slanting downward transversely toward the conveyor-belt; and a driven roller, supplementing said plate, and extending lengthwise of the belt.

2,417,847

TELEGRAPH SYSTEM

Alfred Edward Thompson, Croydon, England, assignor to Creed and Company Limited, Croydon, England, a British company
Application August 25, 1942, Serial No. 456,015
In Great Britain July 9, 1937
7 Claims. (Cl. 178—22)

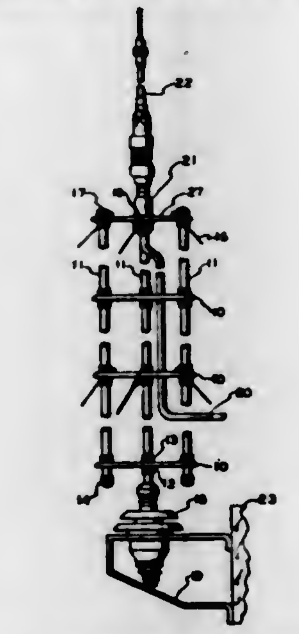


1. Telegraph transmitting apparatus comprising a line circuit, signalling means, a current source, a rotatable shaft controlled by said signalling means, switching means controlled by said rotatable shaft for connecting said current source to said line circuit and for reversing the polarity of said current source, a continuously rotating shaft, an interrupter in said line circuit controlled by said continuously rotating shaft for continuously interrupting said line circuit and means for rotating said rotatable shaft in synchronism with said continuously rotating shaft.

2,417,848

ANTENNA

Amory H. Waite, Jr., Long Branch, N. J.
Application December 11, 1943, Serial No. 513,871
4 Claims. (Cl. 250—33)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

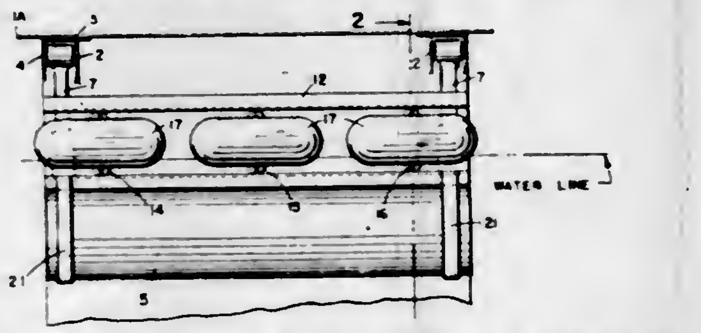


1. An antenna, comprising a plurality of elongated tubular members composed of rigid material, a plurality of gusset plates of rigid material having the edges thereof rolled and containing therein a plurality of apertures, a portion of said apertures being disposed at the vertices of said gusset plates, the balance, with the exception of one aperture, being equidistantly disposed between the apertures located at the vertices of the said gusset plates, the exceptive aperture being centrally located in relation to the perimeter of said gusset plates, means for affixing the elongated tubular members at right angles to the gusset plates at the vertices thereof, means for combining the elongated tubular members and gusset plates to form a vertically disposed electromagnetic radiating structure, a supporting trifurcated member together with means for affixing same to the lowermost gusset plate of the combined structure, means for insulating the vertical electromagnetic radiating structure from the earth's surface and means for supporting the combined insulating means and vertical structure on the earth's surface.

2,417,849

ROLLER FENDER FOR PONTOONS

Frank J. Walters and Homer B. Nelson, United States Navy
Application September 26, 1945, Serial No. 618,801
6 Claims. (Cl. 114—220)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

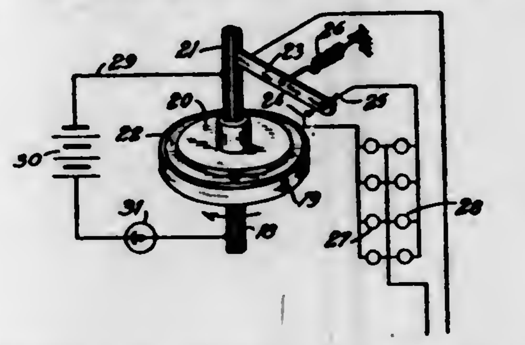


1. A buffer system for a pontoon having an overhang deck portion comprising a torque arm, means pivotally mounting said torque arm on the underside of said overhang, a support, means pivotally mounting said support to the free end of said torque arm, a pneumatic tire, means rotatably mounting said tire on said support, a shock absorbing means mounted on a side wall of said pontoon in line of travel of the free end of said torque arm.

2,417,850

METHOD AND MEANS FOR TRANSLATING ELECTRICAL IMPULSES INTO MECHANICAL FORCE

Willis M. Winslow, Wheatridge, Colo.
Application April 14, 1942, Serial No. 438,967
22 Claims. (Cl. 175—320)



1. A method for transmitting the movement of one element to a closely spaced adjacent element comprising placing a substantially dielectric liquid mixture between said elements thence plac-

ing said two elements in a closed electric circuit.

4. Means for causing a power driven disc to rotate a second free disc comprising: a dielectric fluid between said discs; a finely divided substance suspended in said fluid; and an electrical circuit including the two discs, said circuit being broken by the dielectric fluid between said discs.

22. The method of instantaneously increasing the viscosity of a force transmitting fluid composed of a dielectric liquid and a finely divided substance suspended therein; which consists in applying an electric field to the fluid.

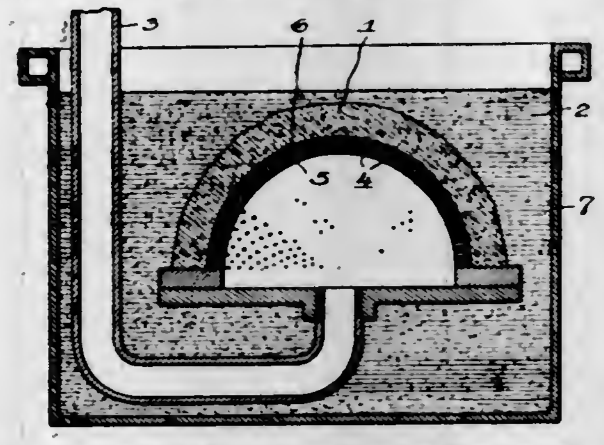
2,417,851

SELECTIVE IMPREGNATION OF ACCRETED FIBROUS PLASTIC ARTICLES

Serenus H. A. Young, Geneva, Ill., assignor, by mesne assignments, to Hawley Products Company, a corporation of Delaware

Application July 13, 1942, Serial No. 450,788

2 Claims. (Cl. 92—55)



1. In the method of impregnating a fibrous-plastic article, the steps of providing a predetermined mixture of liquid, water soluble and water dispersible resins containing resin particles in suspension, placing an accreted preformed fibrous carcass containing water from an accreting process in its interstices on a suction die having a surface contour corresponding to the shape of the carcass but with openings therethrough, immersing the suction die and carcass into a bath of the mixture, creating a suction through the suction die and the interstices of the porous fibrous carcass while in the bath and drawing a solution of water soluble resin from the mixture into and through the carcass thereby replacing the interstitially held water and simultaneously selectively coating and impregnating the carcass with suspended particles of water dispersible resin and providing the surface of the carcass with a high concentration of the suspended particles progressively decreasing from the surface inwardly to substantially the center of the carcass, and thereafter removing said carcass from the suction die.

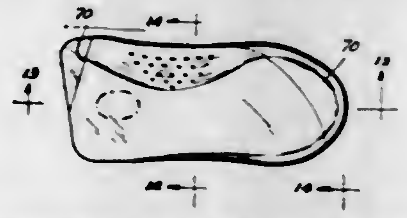
2,417,852

FOOT CORRECTOR

Lawrence C. Zerkle, Cleveland, Ohio

Application April 26, 1944, Serial No. 532,912

1 Claim. (Cl. 36—71)



A foot corrector adapted to be inserted within the shoe of a wearer and having a length extending from the back of the heel to the region of the toes of the wearer and consisting of layers of plasticized fabric and plasticized cork, the plasticized fabric being disposed on the top and bottom of the corrector, and said corrector being sufficiently thin to be resilient and deformable under arch pressure, but having sufficient strength to sustain the arch of the wearer without immobilizing the foot action.

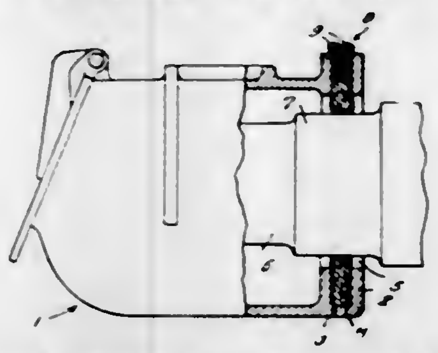
2,417,853

DUST GUARD WELL CLOSURE

Ernest Armstrong, Camden, N. J.

Application July 10, 1944, Serial No. 544,253

2 Claims. (Cl. 286—6)



1. In combination with a journal box having an annular dust guard well adjacent an end thereof, said well adjacent its upper portion being provided with a pair of spaced parallel walls to thereby form an elongated opening, an axle projecting through said well, a dust guard within the well and in peripheral contact with said axle, of a closure element mounted in said elongated opening, said closure element comprising a long strip of resilient fibrous material, said strip being formed of two plies, and means for securing said plies together at points spaced from one another along the length of the strip, the elongated strip normally having a thickness greater than the distance between the side walls of the top opening of the well whereby when inserted in edgewise fashion so that its sides engage the side walls of the opening the strip will be compressed and its side faces forced into frictional engagement with the side wall faces of the opening whereby to retain itself within the top opening of the well, said closure strip adapted when inserted in the opening to engage the top of the dust guard to complete thereby the filling of the top opening of the well.

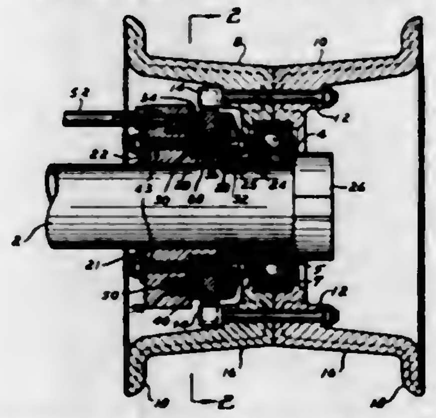
2,417,854

AIRPLANE WHEEL AND BRAKE

Thomas Barish, University Park, Md., assignor to Engineering and Research Corporation, Riverdale, Md., a corporation of Maryland

Application May 29, 1945, Serial No. 596,457

8 Claims. (Cl. 188—18)



1. An airplane wheel and brake assembly comprising a fixed axle, a wheel having a rim and a web surrounding said axle, a single bearing between the web and the axle and comprising an outer race attached to the web, an inner race surrounding the axle, and a single row of balls between the races, braking means surrounding the axle at one side of said bearing and having parts attached to the axle and abutting one side face of the inner race to provide an abutment therefor, and means screw-threaded to the axle at the other side of the bearing and abutting the adjacent side of the inner race for forcing the inner race against said abutment.

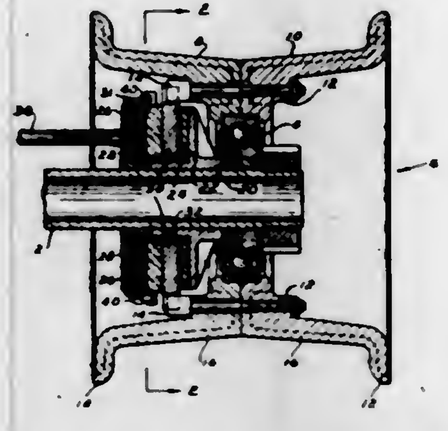
2,417,855

DISC BRAKE

Thomas Barish, University Park, Md., assignor to Engineering and Research Corporation, Riverdale, Md., a corporation of Maryland

Application May 29, 1945, Serial No. 596,458

3 Claims. (Cl. 188—72)



1. A disc brake for an airplane having a non-rotatable axle and a wheel rotatably journaled on the axle, comprising a sleeve surrounding and fixed to the axle and having an annular flange extending radially outwardly therefrom, a friction facing fixed to one face of said flange, a backing and supporting member surrounding and fixed to said axle and being C-shaped through each section thereof radial to the outer periphery of the axle with the open part of the C-shaped section facing and spaced from said friction facing, a disc formed of friction material surrounding the axle between said friction facing and the backing and supporting member and being positioned closely adjacent the open face thereof, interengaging means formed respectively on one of the peripheral edges of said backing and supporting member and directly on said friction disc for preventing rotation of said disc while permitting axial movement thereof, a brake disc connected to the wheel for rotation therewith and movement axially thereof and disposed between said friction facing and said friction disc, and means disposed within said backing and supporting member and directly engaging said friction disc and operable to move said friction disc axially toward said brake disc.

2,417,856

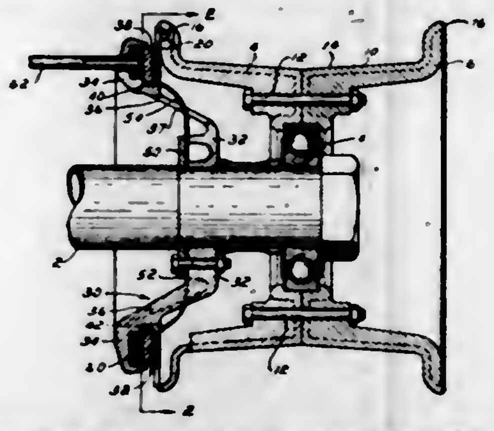
DISC BRAKE

Thomas Barish, Cheverly, Md., assignor to Engineering and Research Corporation, Riverdale, Md., a corporation of Maryland

Application March 1, 1946, Serial No. 651,296

6 Claims. (Cl. 188—71)

1. A disc brake for a wheel assembly comprising an axle and a wheel journaled thereon, comprising an annular brake disc fixedly attached to the wheel, an annular brake supporting device comprising an inner part surrounding and attached to the axle, an outer part having an annular axially-extending surface, and an intermediate part integral with the inner and outer parts, a second annular brake disc mounted on said annular surface in spaced axial relation to said first disc, means preventing rotation of said second disc but permitting axial movement thereof toward and away from the first disc, a spring device having an inner part surrounding the axle and attached thereto and having a plurality of spring fingers extending radially outwardly therefrom and bearing at their outer ends against said second disc to constantly urge the same in a direction away from the first disc, and means for moving said second disc toward the first disc against the resilient force of said spring fingers.



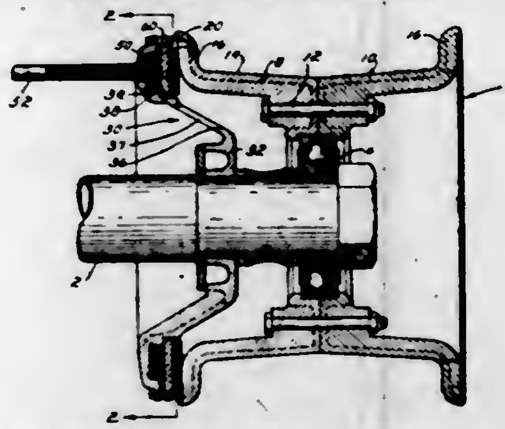
2,417,857

DISC BRAKE

Thomas Barish, Cheverly, Md., assignor to Engineering and Research Corporation, Riverdale, Md., a corporation of Maryland

Application March 1, 1946, Serial No. 651,297

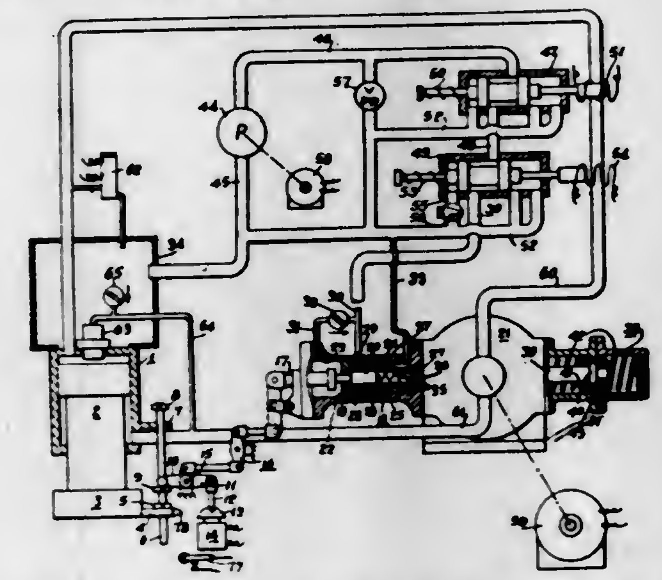
2 Claims. (Cl. 188—71)



1. A disc brake for a wheel assembly comprising an axle and a wheel journaled thereon, comprising an annular brake disc fixedly attached to the wheel, an annular brake supporting device comprising an inner part surrounding and attached to the axle and an outer part integral therewith and being positioned adjacent said brake disc and spaced axially outwardly therefrom, a second annular brake disc positioned between said outer part and said first disc, a plurality of circumferentially spaced lugs extending radially outwardly from said second disc, two lugs extending radially outwardly from said outer part adjacent each of said disc-carried lugs and spaced circumferentially in opposite directions therefrom, and substantially flat strip of spring metal having its central part abutting and inside each disc-carried lug and its end parts abutting and outside the adjacent lugs carried by said outer part for constantly urging said second disc away from the first disc, means for moving said second disc toward and into engagement with the first disc, and means for preventing rotation of the second disc.

2,417,858
CONTROL SYSTEM FOR HYDRAULIC PRESSES

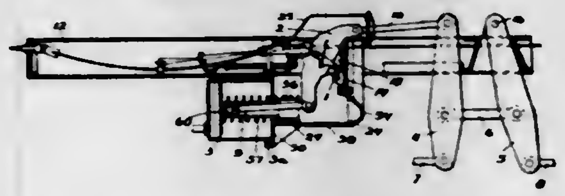
Walter Becker, Dayton, Ohio, assignor to The Hydraulic Development Corporation, Inc., Wilmington, Del., a corporation of Delaware
Application November 19, 1943, Serial No. 510,891
14 Claims. (Cl. 60—52)



12. In a hydraulic actuating system, a variable delivery pump, pressure operated means connected to vary the delivery of said pump, power means connected to drive said pump, a source of pressure, conduit means between said source and said pressure operated means and including a valve having an exhaust outlet, and means operated for a predetermined time only by and after energization of said power means, to actuate said valve, thereby to close said conduit means and connect said pressure operated means to exhaust.

2,417,859
LOAD GEAR EQUIPMENT FOR VEHICLE BRAKES

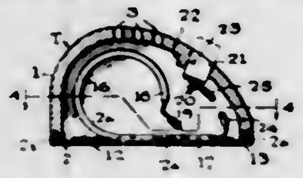
Bert Henry Browall, Malmo, Sweden, assignor to Svenska Aktiebolaget Bromsregulator, Malmo, Sweden, a corporation of Sweden
Application October 1, 1945, Serial No. 619,649
In Sweden October 24, 1944
5 Claims. (Cl. 188—195)



1. In a load gear equipment forming part of a vehicle brake and comprising a brake cylinder, a cylinder lever and a floating brake lever for distributing the braking force of the brake cylinder to the opposite ends of the vehicle, a reversing lever connected to said brake cylinder for transmitting the braking force from the brake cylinder to the cylinder lever,a coupling rod interconnecting said cylinder lever and floating brake lever whereby the braking force is also transmitted to the latter, a shiftable fulcrum for the reversing lever and coacting therewith, a beam comprising upper and lower longitudinal parts leaving between them a transverse space for the reversing lever and the shiftable fulcrum therefor, the beam being extended from this space towards both ends of the vehicle, a stationary fulcrum for the floating lever, mounted on one side of the beam at the extension thereof towards one end of the vehicle, the brake cylinder being disposed on the other side of the beam at the extension thereof towards the other end of the vehicle, and a case closing the transverse space for the reversing lever in the beam at the last-mentioned side thereof, a support for the brake cylinder, forming part of said case, the brake cylinder being detachably secured to this support.

2,417,860
THERMOSTATIC SWITCH

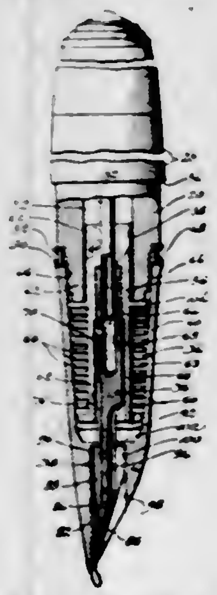
Edwin L. Cline, Pasadena, Calif., assignor to Clayton Manufacturing Company, Alhambra, Calif.
Application May 20, 1942, Serial No. 443,834
18 Claims. (Cl. 200—140)



1. A thermostat device comprising: a body; a permanent magnet secured to said body and including portions arranged to magnetically retain said body upon a ferrous object; and thermally-responsive means carried by said body, including a surface lying in substantially the same plane as said portions of said permanent magnet, whereby said thermally responsive means is actuated in accordance with the thermal changes in said ferrous object.

2,417,861
FOUNTAIN PEN

Arthur O. Dahlberg, Scarsdale, N. Y.
Original application November 19, 1943, Serial No. 510,902. Divided and this application January 29, 1945, Serial No. 575,043
6 Claims. (Cl. 120—50)



1. In a fountain pen, the combination of a barrel, a tubular member having a bore in its lower end and removably connected with said barrel so as to form an extension thereof, an ink collector removably mounted in said tubular member and dividing the space so as to provide an ink reservoir in the barrel above the collector and an air space in the tubular member below the collector, a feed bar removably mounted in an opening in the lower end portion of said ink collector, and a resilient nib mounted in the bore in the lower end portion of said tubular member, said nib being expanded against the wall of the bore due to its resiliency and being held within the bore solely by its frictional engagement with the wall thereof, said ink collector and said feed bar and said nib being arranged to provide capillary duct means leading from said ink reservoir through said air space and to the lower end of said nib.

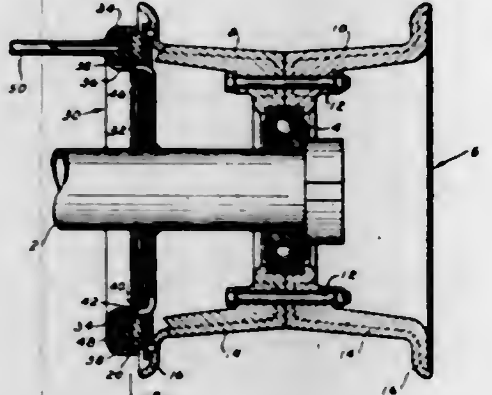
2,417,862
DEHYDRATION OF ACETONITRILE BY DECANTATION AND DISTILLATION

Clark H. Dale, Lewiston, N. Y., assignor, by mesne assignments, to United States Vanadium Corporation, a corporation of Delaware
No Drawing. Application December 1, 1943, Serial No. 512,477
8 Claims. (Cl. 202—62)

1. Method of recovering substantially anhydrous acetonitrile from aqueous solutions thereof which comprises cooling to a temperature below 0° C. an aqueous solution of the nitrile until there is formed an aqueous solution of the nitrile which is richer in nitrile than is an aqueous nitrile solution which has a constant boiling point, separating the concentrated solution from the remainder of the original solution and distilling the concentrated solution to remove substantially all of the water and a portion of the nitrile as a constant boiling mixture, leaving substantially anhydrous nitrile.

2,417,863
DISC BRAKE

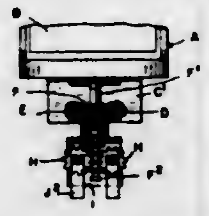
Emmett F. Deady, Arlington, Va., assignor to Engineering and Research Corporation, Riverdale, Md., a corporation of Maryland
Application May 29, 1945, Serial No. 596,544
4 Claims. (Cl. 188—71)



1. A disc brake for a wheel assembly comprising an axle and a wheel journaled thereon and having a tire-receiving rim and a tire-retaining flange, comprising an annular brake disc rigidly attached to said tire-retaining flange and having its axially inner face in face-to-face engagement with an annular radial outer face of the tire-retaining flange and its axially outer face providing a braking surface, a unitary annular brake-member supporting member surrounding the axle and comprising a radially outer part of C-shaped cross-section having its open face adjacent and spaced axially outwardly from the outer face of said brake disc and a radially inner part connecting the C-shaped part to the axle, a second annular disc substantially closing the open face of said C-shaped part and having an annular face disposed adjacent and normally spaced from the outer face of the wheel-carried brake disc, means interengagingly connecting the second disc to the lower axially-extending annular part of the C-shaped part of the supporting member for preventing rotation of said second disc while permitting axial movement thereof, means normally urging said second disc axially away from and out of engagement with the wheel-carried disc, and means disposed within said C-shaped part for forcing said second disc axially into braking engagement with the wheel-carried disc.

2,417,864
MAGNETIC COMPASS COMPENSATING FIELD DEVICE

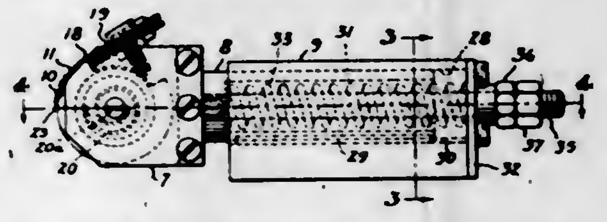
Clarence B. Dinsmore, Flint, Mich.
Application February 19, 1945, Serial No. 578,638
6 Claims. (Cl. 33—225)



6. In a compass, the combination with the card, of a magnet for creating a compensating field and mechanism for adjusting said magnet including a member carrying said magnet mounted for rotary and axial movement respectively about the axis of said card and towards or from the plane of said card, said member being provided with intersecting axially and circumferentially extending teeth, a gear wheel on one side of said member in mesh with said circumferentially extending teeth, a worm on the opposite side of said member in mesh with said axially extending teeth, parallel shanks for said gear and worm independently revoluble to respectively alter the strength of the magnetic field and change the direction of magnetic lines of force with reference to said card, and locking means for said shanks to prevent accidental rotation thereof.

2,417,865
MARKING DEVICE

James L. Douglass, Cleveland Heights, Ohio
Application July 28, 1943, Serial No. 496,457
2 Claims. (Cl. 101—7)

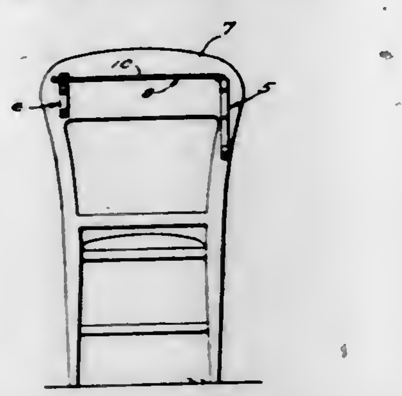


1. A marking device for automatically marking screw machine products during the manufacture thereof comprising a work engaging marking head, a body, means for movably carrying said head with respect to said body, resilient means for exerting force tending to move said head away from said body, and means for adjustably limiting the maximum separation between said head and said body and for adjusting the force required to move said head relatively to said body, a work engaging imprinting element rotatively carried by said head, said imprinting element having an arcuate surface portion with a legend embossed thereon and an indexing point protruding therefrom and preceding said legend for making initial contact with said work piece, and by being relatively easily embedded therein causing positive rotation of said imprinting element with said work piece; stop means for adjustably fixing the desired normal marking position of said legend, resilient means for normally maintaining said imprinting element in marking position by permiting partial rotation of said

imprinting element and exerting force tending to return said imprinting element to marking position when it has been moved therefrom and means for adjusting the force exerted by said last mentioned resilient means on said imprinting element.

2,417,866
COAT HANGER FOR CHAIRS

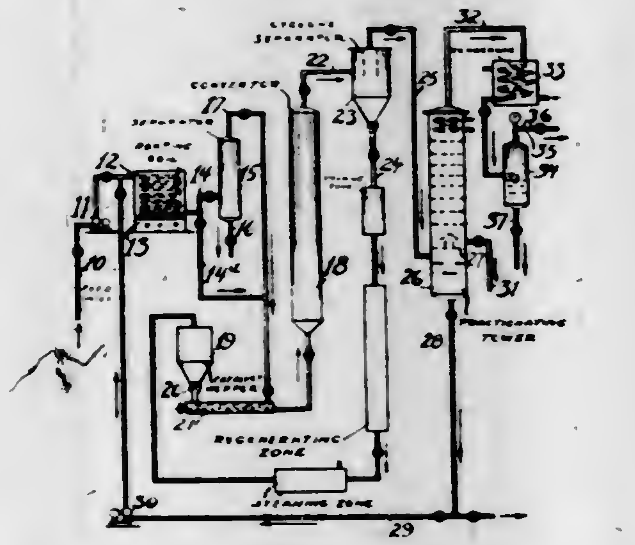
Fernand C. Duval, New York, N. Y.
Application January 21, 1944, Serial No. 519,237
2 Claims. (Cl. 211—7)



1. In a coat hanger for chairs, wherein a horizontally swingable hanger rod is mounted at one end on and adjacent one side of the chair back, means engageable with the other end of the hanger rod for releasably retaining said rod in forwardly swung position adjacent and parallel with the chair back, said means comprising an angle member having a vertical portion fixed to and adjacent the other side of the chair back and a horizontal portion extending rearwardly from the upper end of said vertical portion, and resilient upper and lower jaws respectively secured to the upper and lower faces of said horizontal portion and projecting rearwardly thereof to receive the hanger rod therebetween, the lower jaw having a seat for said rod.

2,417,867
CRACKING HYDROCARBON OILS

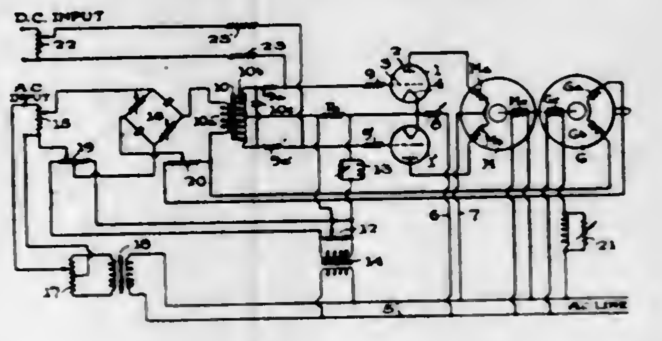
Stewart C. Fulton, Elizabeth, Carl O. Tongberg, Westfield, and Edward D. Reeves, Cranford, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application October 24, 1939, Serial No. 300,920
2 Claims. (Cl. 196—52)



1. The process for the conversion of hydrocarbon oils which comprises preheating said oil to vaporize a substantial portion thereof, forming a suspension of oil vapors and finely divided conversion catalyst, passing said suspension through a conversion zone maintained at conversion temperature, removing vaporous conversion products containing said finely divided conversion catalyst from said conversion zone, separating the major portion of the catalyst from said vaporous conversion products at a temperature above the dew point of said vaporous products to thereby effect dry separation of the major portion of said catalyst from the conversion products, thereafter cooling the vaporous conversion products to form an initial oil condensate containing the remainder of said finely divided conversion catalyst, and combining said initial condensate with said first-named oil prior to passing the same to said conversion zone.

2,417,868
ELECTRIC MOTOR SPEED CONTROL CIRCUITS

Paul Glass, Chicago, Ill., assignor to Askania Regulator Company, a corporation of Illinois
Application May 31, 1943, Serial No. 489,208
14 Claims. (Cl. 172—274)



1. A speed control circuit comprising, in combination, a motor, a source of alternating current, a gaseous discharge tube having an anode circuit and a grid circuit, said anode circuit being connected to supply current to said motor from said source, means for supplying a biasing voltage to said grid circuit from said source substantially opposite in phase to the anode voltage of said tube and having an amplitude sufficient normally to prevent firing of said tube, means for supplying to said grid circuit a signal voltage to cause firing of said tube throughout each positive alternation of the anode voltage, and speed responsive means driven by said motor for applying to said grid circuit an additional biasing voltage of the same frequency as said source and being variable in amplitude with the speed of said motor, said additional biasing voltage having a phase relation which leads said first biasing voltage and tends to prevent firing of said tube.

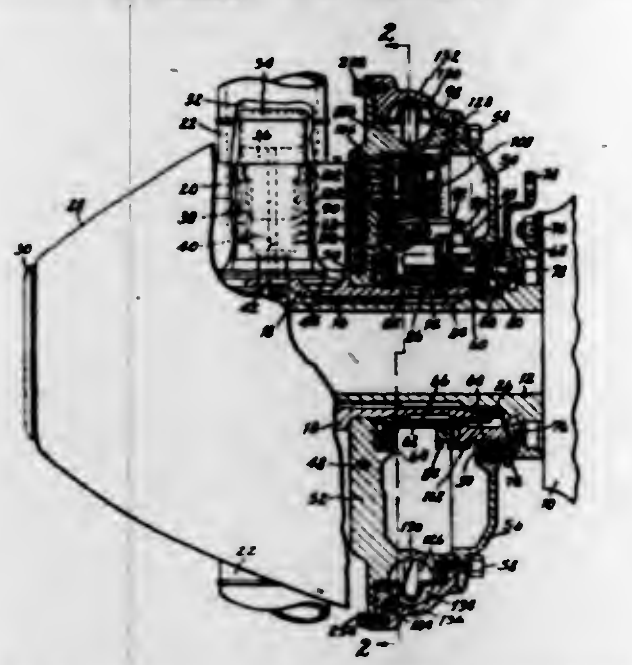
2,417,869
APPLICATION OF CELLULOSE ETHERS TO TEXTILES

Charles F. Goldthwait, Herbert O. Smith, and Larry B. Barnes, New Orleans, La., assignors to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and his successors in office
No Drawing. Application June 22, 1943, Serial No. 491,772
4 Claims. (Cl. 117—138.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A method of finishing textiles comprising dissolving in an aqueous cuprammonium solution a cellulose hydroxy ethyl ether which is not soluble in water, applying the resulting solution to a textile material, and then drying the textile material.

2,417,870
PROPELLER CONTROL

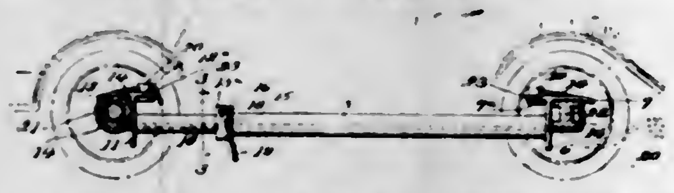
John F. Haines, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 10, 1943, Serial No. 486,377
4 Claims. (Cl. 103—223)



1. In a system for controlling a hydraulically operated device, the combination of an accumulator for liquid under pressure, resilient means associated with the accumulator for varying the pressure therein in accordance with the amount of liquid present in the accumulator, a reservoir, a pump system connected with the reservoir and including a delivery chamber, means for limiting the pressure in the chamber to a predetermined value, a communication between the delivery chamber and the accumulator, a check valve mounted in the communication and adapted to open only in the direction of the accumulator, said pressure limiting means comprising a centrifugally actuated valve adapted to move radially outwardly of the reservoir to close a relief port from the delivery chamber to the reservoir, a piston having a fractional portion of its area exposed to pump pressure, said centrifugally actuated valve and said pump pressure acting in aiding relation, and yielding means assisting the centrifugally operated valve to move outwardly against the piston, and means exposing the full area of the piston to accumulator pressure for opposing the outward movement of said centrifugally actuated valve, whereby the domination of accumulator pressure moves the piston radially inward to open the pump delivery to the reservoir.

2,417,871
VEHICLE TOW BAR

Henry H. Heuerman, Winter Haven, Fla.
Application October 17, 1944, Serial No. 559,032
5 Claims. (Cl. 280—33.14)



1. A towing connection for vehicles comprising in combination, a pair of extensible members, a cable extending through said members and beyond the ends thereof and adapted to be looped about a vehicle axle or bumper, means for locking said members in different relatively adjusted positions, an offset axle-supported flange extension at the outer end of each of said extensible members, a substantially vertical axle-stop flange connecting said axle supported flanges to said respective tube ends, and means carried by one of each of said pairs of flanges for securing the adjacent cable end thereto, said offset axle-supported flange having a cable-receiving slot opening from its outer end, a transversely grooved terminal block secured to each end of said cable, and slotted block-receiving keepers at the ends of said tubes.

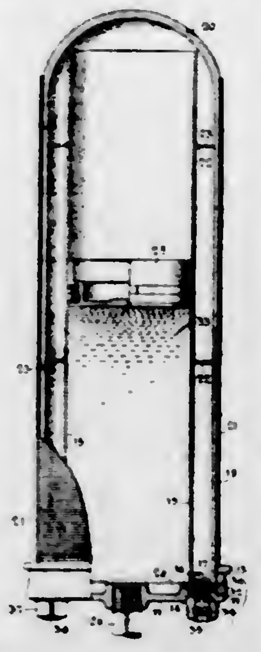
2,417,872
PROCESS FOR PREPARING A DIMETHYL BUTENE FROM PROPYLENE

Ralph M. Hill and Howard G. Codet, Mountainside, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 19, 1942, Serial No. 469,514
3 Claims. (Cl. 260—683.15)

1. A process for the production of dimethyl substituted C_4 hydrocarbons from propylene which comprises subjecting a gas feed consisting essentially of C_3 hydrocarbons including at least predominating amounts of propylene in a combined isomerization-polymerization reaction to the catalytic action of a catalyst containing between about 2 and 12 weight per cent of aluminum chloride sorbed on an alumina partially dehydrated by calcining to a water content of less than about 4%, at a reaction temperature of about 350° F. and a throughput of between about 1 and 1.5 liquid volumes of propylene per volume of catalyst per hour while maintaining a pressure of about 350 lbs. per sq. in. gauge.

2,417,873
ACCUMULATOR

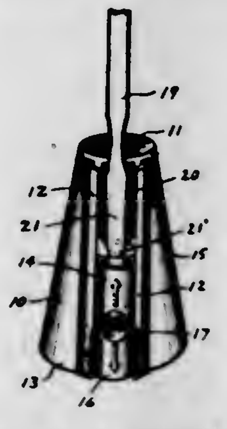
Matthew W. Huber, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application May 12, 1944, Serial No. 535,350
7 Claims. (Cl. 138—31)



1. In a hydraulic accumulator of the gas-cushion type, the combination of a base; a cylindrical shell closed at one end and sealed to said base at the other end by means of a threaded joint; a cylindrical sleeve shorter than the shell mounted coaxially within said shell, said sleeve being surrounded by a gas-filled space within the shell; means serving to connect and seal one end of the sleeve to said base, said means comprising a gasket

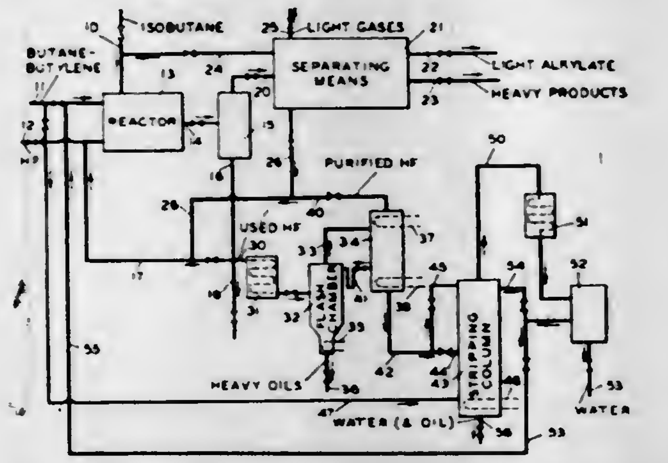
engaged by the sleeve and a series of threaded connectors arranged circumferentially of the sleeve and engaging the sleeve and base; centering and reinforcing means for said sleeve comprising at least one ported encircling spacer ring extending across the gas-filled space between the sleeve and the shell; a piston slidable in said sleeve; and a liquid connection in said base leading to the space within said sleeve.

2,417,874
TOOTHBRUSH AND DENTIFRICE CONTAINER
Howard A. Kehl, Detroit, Mich.
Application June 2, 1945, Serial No. 597,254
9 Claims. (Cl. 132—84)



4. A container for a dentifrice and a toothbrush comprising a receptacle having an opening in a wall thereof to receive interiorly the bristles of the head of a toothbrush, a channel guide adjacent the opening, a cover slidably mounted in said channel, a pocket in said cover for receiving the bristle supporting portion of the toothbrush, and lateral flanges integral with said pocket to engage and support the lateral edges of the head of a toothbrush adjacent its bristles.

2,417,875
REMOVAL OF HYDROGEN FLUORIDE FROM WATER
Ancel B. Leonard, Phillips, Tex., assignor to Phillips Petroleum Company, a corporation of Delaware
Application June 17, 1944, Serial No. 540,757
9 Claims. (Cl. 260—683.4)

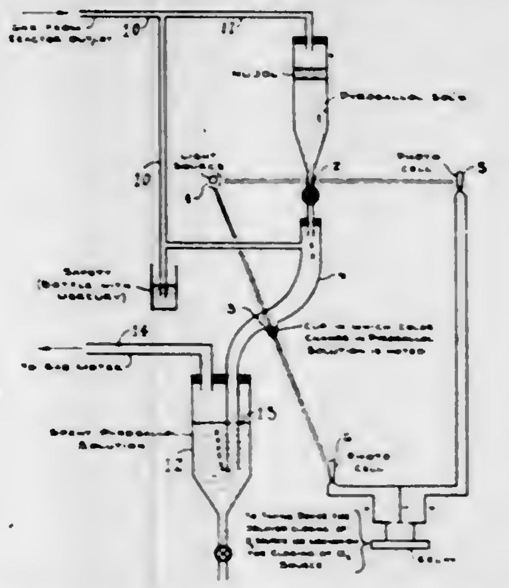


7. In a process for the conversion of hydrocarbons in the presence of a hydrofluoric acid catalyst, the improvement which comprises passing effluents of such a conversion to separating means and therein separating liquid hydrofluoric acid from hydrocarbons, passing at least a portion of said liquid hydrofluoric acid to a distillation means and separating therefrom as a low-boiling fraction purified hydrogen fluoride and returning same to said conversion, separating also therefrom as a high-boiling fraction aqueous hydrogen fluoride, passing said high-boiling fraction to a distillation and distilling same in the presence of a low-boiling olefin hydrocarbon to form a low-boiling fluorine-containing fraction, and recovering such a low-boiling fraction and passing same to said conversion.

2,417,876
INHIBITED OIL
Arthur W. Lewis, Plainfield, N. J., and John E. Schott, New York, N. Y., assignors to Tide Water Associated Oil Company, Bayonne, N. J., a corporation of Delaware
No Drawing. Application August 16, 1944, Serial No. 549,794
11 Claims. (Cl. 252—32.7)

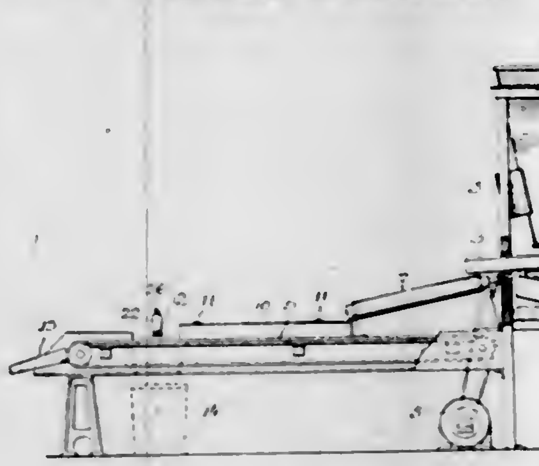
1. A composition suitable for lubricating modern engines comprising a hydrocarbon lubricating oil in major proportion, a minor proportion of a thiophosphoric acid bearing corrosion inhibiting material and a sufficient amount of a sulfonic acid substance effective in the composition to inhibit the rusting of ferrous metal motor parts, said sulfonic acid substance and said bearing corrosion inhibiting material being present in a weight ratio of not less than about 4 to 1.

2,417,877
AUTOMATIC OXYGEN INDICATOR
Elton R. Lewis, Roselle Park, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application January 4, 1944, Serial No. 516,992
1 Claim. (Cl. 23—255)



Apparatus for detecting and controlling the supply of a gas in a gas stream by means of an indicator liquid which changes color in the presence of the gas, which comprises a reservoir adapted to contain the indicator liquid and having a transparent portion, a reaction tube a transparent portion of the side walls of which is inclined to the vertical, the reservoir having a discharge portion opening into the upper portion of the reaction tube, a valve in the discharge portion whereby indicator liquid may be flowed continuously into the tube and against the inner surface of its sidewalls, a conduit for the gas stream opening into the reaction tube above the inclined portion and adapted to deliver the gas in a stream into the reaction tube, the interior lower wall of the inclined portion of the tube having a recess adapted to accumulate the indicator liquid during its passage down the sidewall of the tube in contact with the gas stream whereby presence of the gas in the gas stream causes the indicator liquid to change color, a chamber into which the lower portion of the reaction tube below the recess extends, the chamber being adapted to function as a common discharge for the concurrently flowing gas stream and indicator liquid, the reaction tube opening into the lower portion of the chamber, a conduit leading from the upper portion of the chamber and discharging into a gas meter, a source of light and two photoelectric cells so positioned adjacent the reservoir and recess that a beam of light will pass through the transparent portion of the reservoir and another beam of light will pass through the recess, each beam then passing to one of the photo-electric cells, and means connected with and operated by the cells to control the supply of gas.

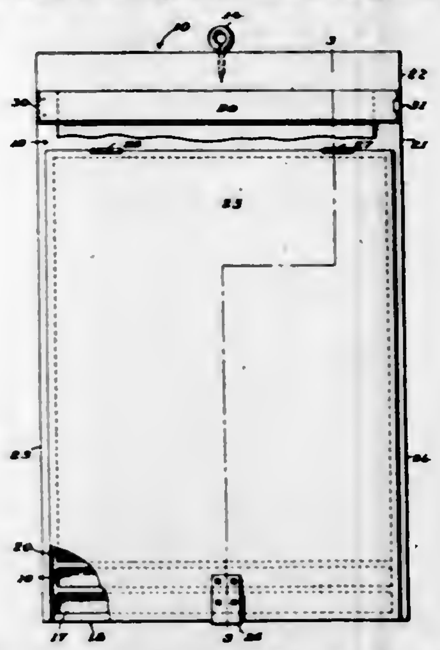
2,417,878
CONVEYOR WITH AIR NOZZLE SORTING APPARATUS
Celestino Luzietti, Armand Luzietti, and Frank A. Marini, Chicago, Ill.; said Armand Luzietti and said Marini assignors to said Celestino Luzietti
Application February 12, 1944, Serial No. 522,052
2 Claims. (Cl. 209—90)



1. Conveying and sorting apparatus for separating nut meats from an aggregate including nut meats having a portion of the shell still attached, comprising a vibrating inclined trough for receiving the aggregate, a pair of inclined, parallel and juxtaposed rollers positively driven outwardly with respect to each other for receiving at the upper end the aggregate from the trough and discharging them at the other end in single file, a continuous conveyer upon which the aggregate is discharged in single file with the nut meats disposed substantially flat upon the conveyor, a nozzle positioned at one side of the conveyer for projecting a stream of air under pressure across the conveyer and at a height whereby the nut meats devoid of their shell are unaffected by the air stream while those having a portion of shell still attached are deflected by the air stream and separated.

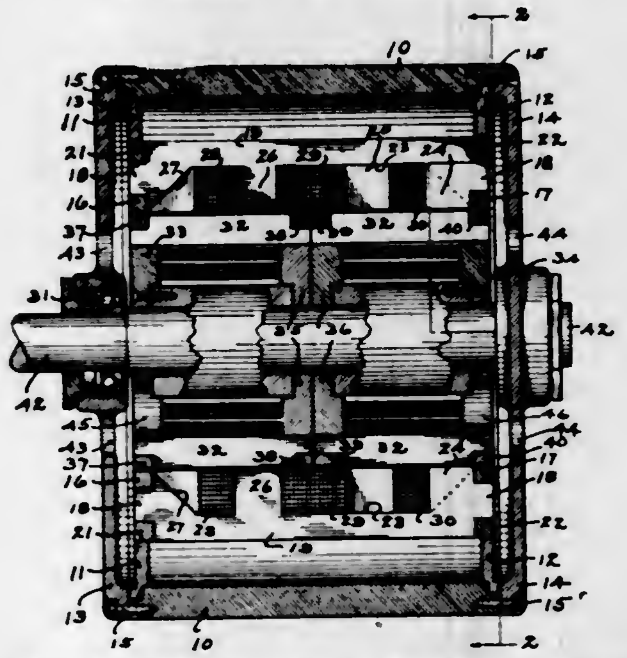
2,417,879
CLIP BOARD
Charles Edwin Merritt, Columbia, Mo.
Application May 21, 1945, Serial No. 594,935
1 Claim. (Cl. 281—44)

A writing support comprising a flat body having front and rear faces, blocks extending transversely of said body, one of said blocks being provided with article retaining grooves, sides attached to said faces and said blocks, said sides, faces, and blocks forming a pocket in said body, the front face of said body composed of a hinge portion and a cover portion, means for hingedly joining said hinge portion and said cover portion, said hinge portion having a large upper margin and depending narrow margins, the cover



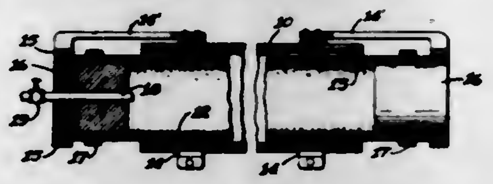
portion adapted to be confined by said narrow margins and means for retaining said cover portion in closed position.

2,417,880
HIGH-FREQUENCY GENERATOR
Guy Milburn and Walter H. Schnacke, Evansville, Ind.
Application August 5, 1944, Serial No. 548,226
6 Claims. (Cl. 171—252)



1. For generating high frequency currents, a plurality of closely spaced, fixed transformer core sections arranged to have terminal leg ends define an internal cylindrical opening thereacross; a circular exciter winding fixed between said legs; a secondary circular winding spaced to one side of the exciter winding fixed in relation to said pieces; a second circular, secondary winding spaced from the other side of said exciter winding and fixed in relation to said pieces; said pieces extending across all of said windings; legs on said pieces arranged to extend therefrom inwardly, alternately to have therebetween said exciter winding and said first secondary winding; and said exciter winding and said secondary winding; an armature rotatable within said cylindrical opening; and bars spaced apart around said armature arranged to tend to close a magnetic flux path therethrough alternately about said secondary windings upon rotation of the armature.

2,417,881
METHOD OF MAKING PLASTIC-METAL PIPE
Charles G. Munger, San Gabriel, Calif., assignor to American Pipe and Construction Co., a corporation of Delaware
Application December 13, 1943, Serial No. 514,179
1 Claim. (Cl. 154—82)

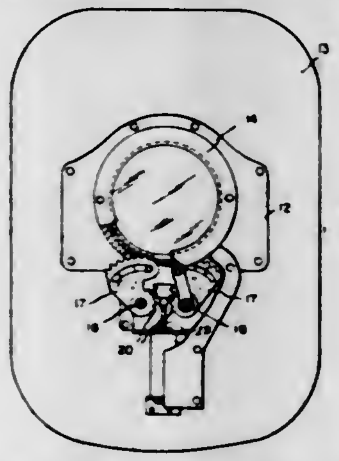


The method of making a composite plastic-metal pipe unit which comprises: cleaning the interior surface of the pipe, applying to the cleaned surface a coating of plastic adhesive, inserting a rigid, imperforate, thermoplastic resin tube axially into the pipe, simultaneously applying fluid pressure to the tube interior and heating the unit to progressively expand and bond the tube to the pipe interior, while supporting the tube exclusively at its ends in a manner to maintain an unobstructed annular air evacuation space between the pipe and the unbonded portions of the exterior surface of the tube, and then cooling the unit while maintaining fluid pressure within the tube.

2,417,882
COMPOSITION FOR REMOVING UNWANTED HAIR
Leonard J. Neary, Los Angeles, Calif.
No Drawing. Application January 20, 1945, Serial No. 573,814
5 Claims. (Cl. 167—89)

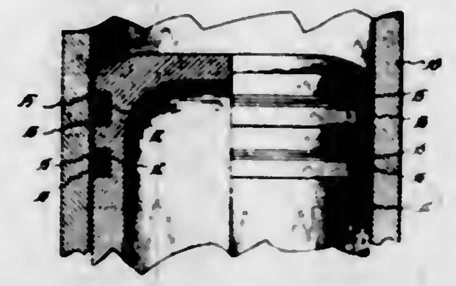
1. A hair-removing composition containing as essential ingredients glucose, and a water-insoluble powder, in the proportions of approximately 2 to 1 respectively and being at temperatures not over body temperature a spreadable, sticky, semi-liquid product.

2,417,883
WELDING SHIELD
Samuel Oschin, Detroit, Mich.
Application December 15, 1943, Serial No. 514,427
6 Claims. (Cl. 2—8)



2. A protective shield for use in connection with a welding circuit adapted to be opened and closed, said shield having juxtapositioned lenses supported on the shield for relative rotation in opposite directions and operable in one relative position thereof to permit substantially free passage of light rays therethrough and in another relative position thereof to practically block the passage of light rays through the shield, a control circuit including a double acting solenoid operatively connected to the lenses to move the latter between the two positions aforesaid, and means for energizing the control circuit in response to opening and closing of the welding circuit.

2,417,884
PISTON RING
John T. Overstreet, South Antonio, Tex.
Application August 8, 1944, Serial No. 548,529
2 Claims. (Cl. 309—44)



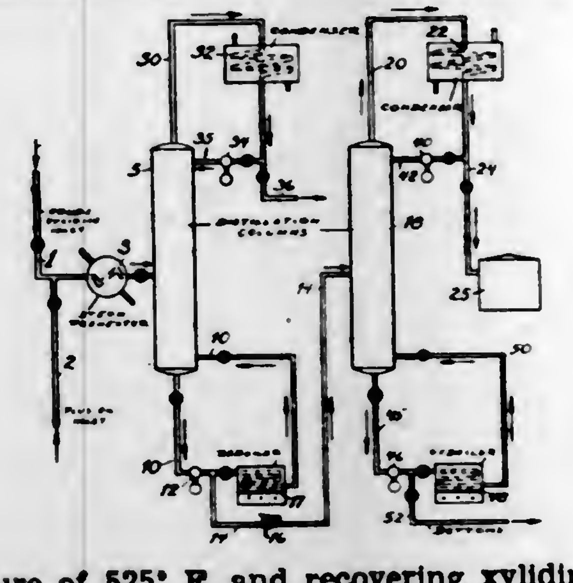
1. A piston ring for internal combustion engines comprising two associated resilient ring sections one above the other with inclined meeting surfaces for lateral sliding movement in respect to each other, and in which the upper ring section is provided with adjoining outwardly projecting triangular shape ribs having the inclined surfaces of each extending in opposite directions rearward from the outer edge and the contiguous inclined surfaces of the adjoining ribs forming the side walls of an intermediate oil pocket while the outer edges of the ribs engage the cylinder wall of the engine.

2,417,885
PROCESS FOR COATING COPPER WITH VINYL RESINS
George M. Powell, 3d, South Charleston, W. Va., and Earl F. Carlston, Arlington, Va., assignors to Carbide and Carbon Chemicals Corporation, a corporation of New York
No Drawing. Application October 2, 1943, Serial No. 504,714
1 Claim. (Cl. 148—6)

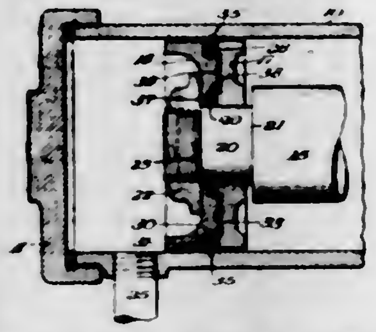
Process for coating articles having a copper surface which comprises applying to the copper surface, a solution containing an organic solvent, water, ammonia, and one of the group consisting of water-insoluble partially hydrolyzed polyvinyl esters, and water-insoluble polyvinyl acetal resins containing free hydroxyl groups, permitting the liquids of the solution to remain in contact with the copper surface until a bluish-green color is observed heating the applied coating at a temperature of at least 325° F., and forming an adherent, alcohol-insoluble film on said surface.

2,417,886
DISTILLATION OF CRUDE XYLIDINE
Aaron K. Redcay, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
Application September 30, 1943, Serial No. 504,369
7 Claims. (Cl. 202—3)

7. The method of distilling raw xylidines containing sulfur compounds boiling in the xylidine range which comprises heating the raw xylidines under 55 pounds per square inch pressure to a temperature of 570° F. in a first zone with a residence time of between one-quarter and ten hours so as to decompose said sulfur compounds and cause their volatilization without volatilization of the xylidines, withdrawing vapors from said zone, withdrawing bottoms containing xylidines from said zone, subjecting the bottoms to distillation at atmospheric pressure and a temperature of 525° F. and recovering xylidine vapors substantially free of sulfur compounds.



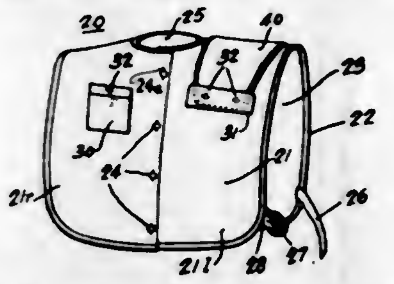
2,417,887
PISTON AND CYLINDER CONSTRUCTION
Howard F. Schmidt, San Diego, Calif., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif.
Application April 26, 1945, Serial No. 590.337
4 Claims. (Cl. 309—4)



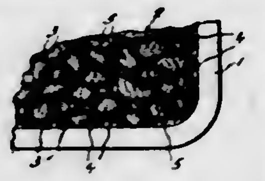
4. The combination with a cylinder provided with connections for fluid to and from its opposite ends, of a piston slidable in opposite directions in the cylinder by fluid under pressure alternately delivered to the opposite ends of the cylinder and comprising a piston-stem extending through one end of the cylinder for connection to a device to be actuated, and a pair of piston sections slidably mounted on the stem for limited movement thereon and relatively to each other and having faces forming between them a peripheral groove with substantially parallel sides and a straight bottom, and an elastic ring in said groove of substantially circular cross-sectional contour which normally leaves a space in the groove and around the ring, the ring having sufficient density to prevent substantial expansion by the sections when the piston is under normal load between the ends of its strokes and being distortable by the sides of the groove to substantially fill the groove and being expansible for a substantial increase of friction between the ring and the cylinder when the piston reaches the ends of its strokes and is loaded against further movement.

2,417,888
GARMENT
Clarence A. Schuster, Dayton, Ohio
Application February 27, 1946, Serial No. 650,489
4 Claims. (Cl. 2—104)

1. A maternity vest having front and rear pockets; fasteners to hold the pockets closed; and an absorbent protector pad covering one shoulder and adjacent front and rear portions of the vest, the ends of the pad extending into respective front and rear pockets and retained therein by the fasteners; and cooperating means on the pockets and vest adapted to engage and hold a portion of the vest in upfolded position.

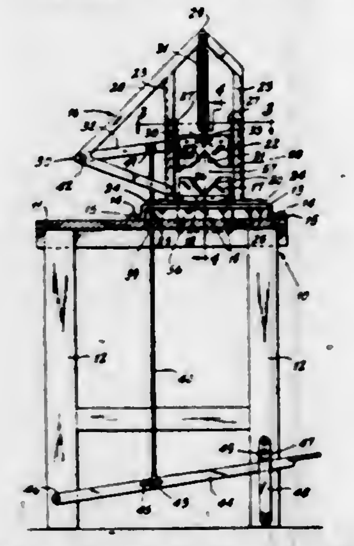


2,417,889
MEANS FOR PRESERVING FOODSTUFFS
Mortimer J. Stammelman, New York, N. Y.
Application October 23, 1943, Serial No. 507,443
4 Claims. (Cl. 99—225)



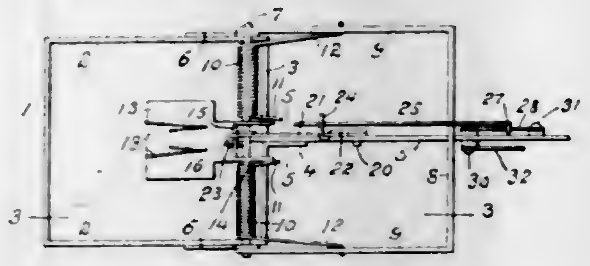
1. A composition adapted to condition an enclosed space to improve preservation of foodstuffs therein comprising a porous mass having within the same a dilute solution in water of acetic acid, said solution adapted to slowly vaporize into said space, said mass containing a mixture of a binder capable of setting to a coherent body and having disseminated therethrough particles of an absorbent material.

2,417,890
POULTRY DECAPITATOR
Jacob L. Staufenbiel, Affton, Mo.
Application September 4, 1945, Serial No. 614,166
7 Claims. (Cl. 17—12)



1. A device for decapitating poultry including a base secured to a table or the like, a stationary vertical blade member mounted on the base, a companion blade slidably mounted for vertical reciprocatory movements toward and away from said first named blade, foot-operable means to effect descent of the reciprocatory blade, spring means to effect instantaneous ascent thereof following release of said foot-operable means, adjustable guide and guard means to facilitate proper positioning of the fowl and simultaneously obviating injury to the hands of the operator, and means to discharge the severed poultry heads to the rear of the device.

2,417,891
ANIMAL TRAP
Walter W. Stout, Turney, Mo.
Application August 1, 1945, Serial No. 608,183
6 Claims. (Cl. 43—81.5)



1. In an animal trap of the kind described, in combination with a base member having a horizontal front portion forming a lower jaw, an upper jaw, means pivoting said upper jaw on a transverse horizontal axis to said base member above and adjacent to the rear end of said lower jaw, so that said upper jaw may be swung from a front closed position against said lower jaw to an open set position at the rear of said lower jaw, means connecting said jaws normally exerting a pressure tending to swing said upper jaw from its set to its closed position, a bait support pivoted to said base member, and means for releasably holding said upper jaw in its set position, of a trigger pivoted to said base member and having means for releasably holding said bait support in a set position and having means for releasably holding said jaw holding means in the set position, said bait support in its set position holding said trigger in the set position and being releasable therefrom when swung a predetermined distance in either of two opposite directions.

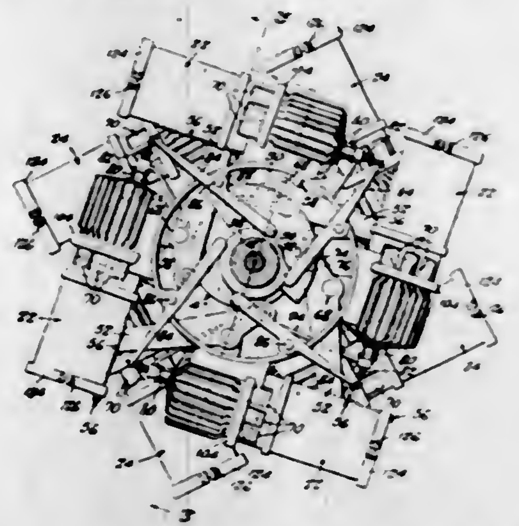
2,417,892
PRODUCTION OF AMINES AND NITRILES
John W. Teter, Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
Application October 12, 1944, Serial No. 558,480
4 Claims. (Cl. 260—464)

1. In the production of amines and nitriles by the reaction of olefins with ammonia at an elevated temperature approximating 450–800° F. and an elevated pressure approximating 1000–3000 pounds per square inch in the presence of a catalyst comprising reduced cobalt oxide which selectively favors amination of the olefin, the improvement which comprises supplying to the catalytic reaction zone a mixture containing olefin and ammonia with the ammonia-olefin ratio at least 5:1.

2,417,893
PRODUCTION OF NITRILES AND AMINES
John W. Teter, Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
Application October 12, 1944, Serial No. 558,486
4 Claims. (Cl. 260—464)

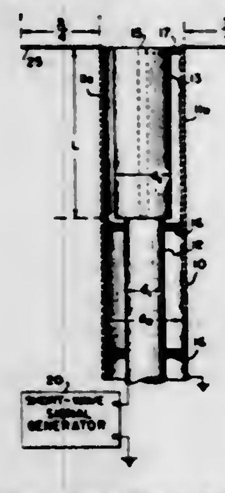
1. In the process of producing amines and nitriles by the reaction of olefins with ammonia in the vapor phase in the presence of a catalyst comprising reduced cobalt oxide effective to bring about the combination of ammonia with olefins, the ammonia being present in substantial excess and the reaction being carried out at elevated temperatures within the range 500°–800° F. and under elevated pressures within the range 500–5000 pounds per square inch, the step of including in the reaction mixture a regulated small quantity of water, the amount of water being a fraction of 1% of the reaction mixture.

2,417,894
ROTARY DIESEL ENGINE
Glenn J. Wayland, Ottumwa, Iowa
Application September 23, 1943, Serial No. 503,557
1 Claim. (Cl. 123—43)



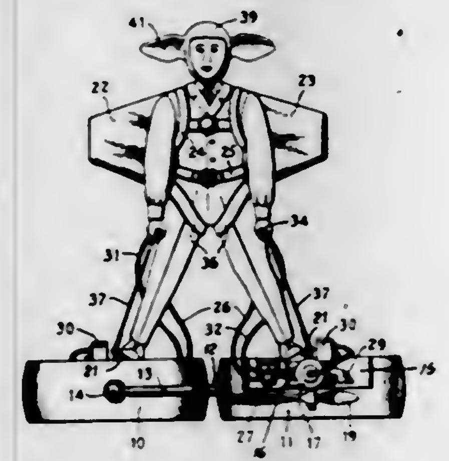
In an internal combustion engine, a shaft, a hollow body rotatable about said shaft, cylinders carried by said body externally thereof at its periphery and extending circumferentially of the body in spaced relation to each other, a cam carried by said shaft within said body, pistons in said cylinders slidable longitudinally in forward end portions thereof, said cylinders having longitudinal slots in their rear portions, said body being formed with circumferential slots in its periphery between the cylinders, plates slidable longitudinally in the slots of said cylinders and each formed with an opening, levers passing through the slots of the body and the openings of said plates and pivotally mounted in the body, said levers having their inner ends bifurcated to receive bearings adapted to contact said cam and their outer ends pivoted to said pistons, said levers being pivotally mounted intermediate their ends on said body.

2,417,895
BALANCED TO UNBALANCED CIRCUIT CONNECTOR
Harold A. Wheeler, Great Neck, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois
Application June 5, 1945, Serial No. 597,655
15 Claims. (Cl. 178—44)



1. A balanced-to-unbalanced circuit connector comprising, an outer conductor including a first section and a contiguous second section having a pair of longitudinal slots extending from one end of said outer conductor and forming in said second section a pair of conductive portions, an inner conductor including a first section and a contiguous second section coaxially supported within said first and second sections respectively of said outer conductor and connected to one of said conductive portions substantially at the free end thereof, said first sections of said inner and outer conductors having a relative spacing selected to provide an unbalanced transmission line having a predetermined characteristic impedance at a given operating wave length, and said second sections of said inner and outer conductors having a relative spacing selected so that said second section of said inner conductor and the other one of said pair of conductive portions provide a balanced transmission line having approximately said predetermined characteristic impedance.

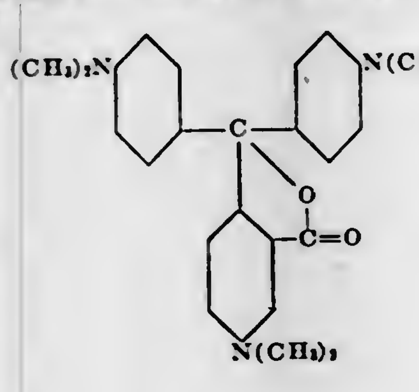
2,417,896
HELICOPTER FLYING APPARATUS
Charles H. Zimmerman, Nichols, Conn.
Application August 10, 1943, Serial No. 498,075
16 Claims. (Cl. 244—17)



1. Flying apparatus which comprises a pair of connected power members each having foot supporting means arranged to receive one of the feet of a flyer, said members connected for independent angular adjustment by the feet of the flyer, propelling means carried by each of said members, and means for controlling the delivery of power to said propelling means.

2,417,897
3,3 BIS(4 DIMETHYLAMINOPHENYL)6-DIMETHYLAMINOPHENYL PHTHALIDE
Clyde S. Adams, Yellow Springs, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
No Drawing. Application June 16, 1945, Serial No. 599,967
1 Claim. (Cl. 260—344.6)

The compound 3,3 bis(4 dimethylaminophenyl)-6 dimethylaminophenyl phthalide having the structure

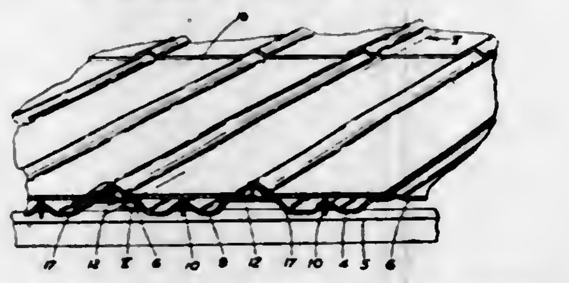


2,417,898
ALABASTER GLASS
William H. Armistead, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
No Drawing. Application April 30, 1945, Serial No. 591,227
4 Claims. (Cl. 106—53)

1. A translucent glass comprising 30% to 60% PbO, at least 18% Al_2O_3, at least 5% B_2O_3, and at least 10% SiO_2, which contains light diffusing crystallites of an aluminum borate.

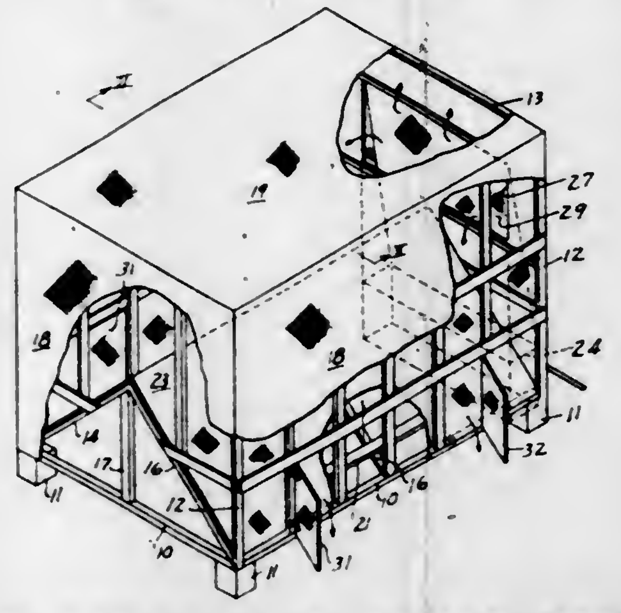
2,417,899
ROOF AND ROOFING SHEETS FOR USE THEREIN

Herbert William Ashman, Hale, England
Application October 11, 1944, Serial No. 558,143
In Great Britain November 2, 1943
3 Claims. (Cl. 108—13)



1. A roofing structure of superposed rigid sheets carried by supports comprising a lower deck made up of a plurality of sheets overlapped at their sides and ends and longitudinally corrugated to form inverted troughs of lesser and greater heights with valleys therebetween, the valleys of said sheets resting upon the roof supports and fastening means passing through the crests of the inverted troughs of lesser height for affixing the lower deck sheets to said supports, an upper deck of overlapping sheets resting upon the crests of the inverted troughs of greater height of the lower deck sheets, and fastening means for attaching the upper to the lower deck at the crests of said inverted troughs of greater height.

2,417,900
SUBLIMING CHAMBER
William T. Badham, Birmingham, Ala.
Application December 10, 1945, Serial No. 634,045
6 Claims. (Cl. 23—264)

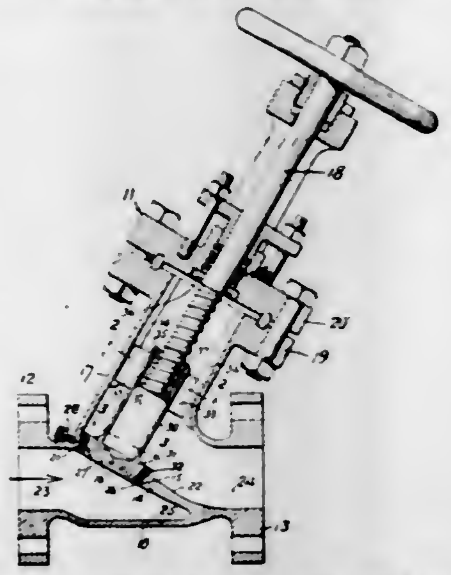


4. In apparatus of the character described, pervious fabric side and end walls forming a rectangular chamber, one of said walls having an elongated opening therein for the admission of

vapors thereto, an evaporating tank disposed beneath the opening, pervious fabric walls forming a passage from the tank to the opening in the wall, a pervious fabric bottom for the chamber, and supporting means for the bottom giving free access of air therebeneath and therethrough.

2,417,901
VALVE CONSTRUCTION

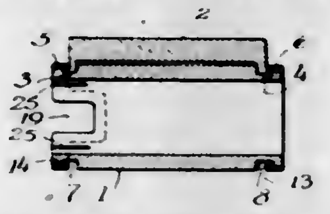
Aaron B. Bagsar, Drexel Hill, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Application June 20, 1944, Serial No. 541,171
1 Claim. (Cl. 251—47)



A valve body comprising a casing having a tubular bore, a housing extending from said casing and communicating with the tubular bore, a partition extending across and dividing the tubular bore into a fluid inlet and a fluid outlet section, an aperture in said partition forming a valve seat and providing communication between said inlet and outlet sections, a valve plug member cooperating with said valve seat and including a hollow extension positioned within said housing and provided with an internal screw-threaded area, a cooperating screw-threaded shaft, means extending from said housing and other means extending from said hollow extension for cooperating in effecting the reciprocation of the valve plug member within the housing during rotation of the screw-threaded shaft while permitting a rotative movement of the valve plug member through a predetermined arc prior to its reciprocative movement, and flange means extending laterally from said valve plug member and movable therewith to slidably engage said housing wall and maintain said valve plug member during its reciprocative movement in true alignment with the valve seat.

2,417,902
MAGNIFYING ATTACHMENT FOR MEASURING INSTRUMENTS AND THE LIKE

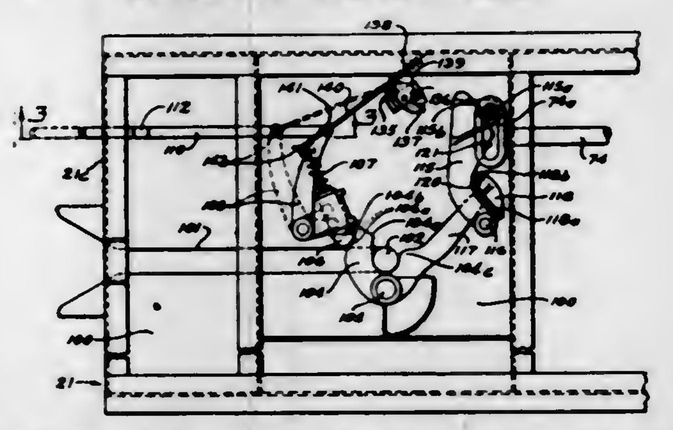
Stephen S. Barrows, Minneapolis, Minn.
Application February 3, 1945. Serial No. 576,061
12 Claims. (Cl. 88—39)



1. A magnifying attachment for measuring instruments having measurement indicating indicia thereon, comprising a transparent body portion adapted to be secured stationarily in position upon the measuring instrument, and a magnifying lens mounted for movement in an arcuate path on said body portion and selectively movable to be placed over any one of a plurality of positions to magnify measurement indicating indicia thereunder, said body portion being tubular in construction and the inner face of the lens having an arcuate transverse curvature corresponding to the curvature of the outer surface of the tubular body portion.

2,417,903
DROP LEG AND COUPLER INTERLOCK FOR TRAILERS

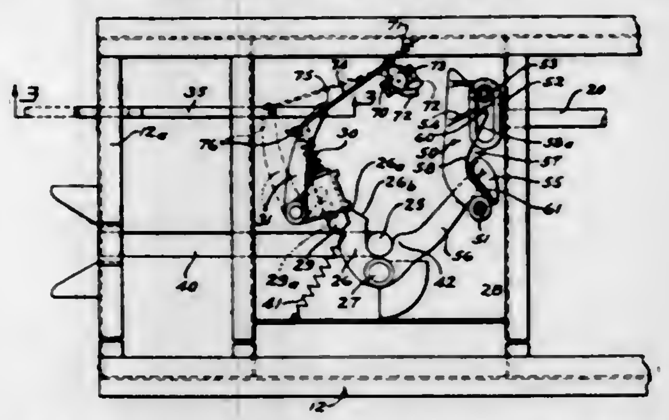
Walter Bennett, Los Angeles, Calif., assignor to Utility Trailer Manufacturing Company, Los Angeles, Calif., a corporation of California
Application February 24, 1945, Serial No. 579,569
29 Claims. (Cl. 280—33.1)



1. Support for a semi-trailer or the like; comprising the combination of a movable supporting element, relatively stationary framing means including means for mounting said supporting element for vertical movement with relation to the trailer, the movable supporting element having a locking shoulder lying in a plane transverse of its direction of movement, and a locking dog directly mounted on the relatively stationary framing means and movable thereon in a direction transverse of the movement of the supporting element toward and away from that element to be engageable with the disengageable from said locking shoulder.

2,417,904
INTERLOCK FOR COUPLINGS AND SUPPORTS FOR TRAILERS

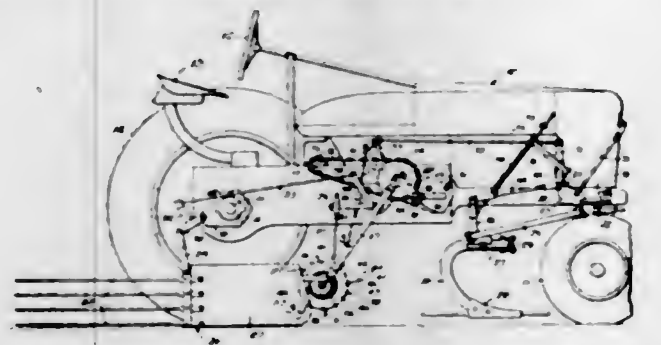
Walter Bennett, Los Angeles, Calif., assignor to Utility Trailer Manufacturing Company, Los Angeles, Calif., a corporation of California
Application February 24, 1945, Serial No. 579,570
15 Claims. (Cl. 280—33.1)



1. In a tractor and semi-trailer combination in which the tractor and trailer are provided with inter-engaging draft elements including a draft lock element on one vehicle operable to lockingly engage the draft element of the other vehicle and movable between open and closed positions, the trailer being provided with a support movable between supporting and non-supporting positions; interlocking mechanism acting between the movable support and the draft lock element and including means whereby the draft lock element is positively locked closed by virtue of the support being in non-supporting position and associated means whereby the support is positively locked in supporting position by virtue of the draft lock element being open, the draft lock element being movable in a closing direction without restraint by the interlocking mechanism and the support being movable toward its supporting position without restraint by the interlocking mechanism, and motion transmitting means associated with said interlocking mechanism and acting to forcibly move the support toward its supporting position by virtue of opening movement of the draft lock element.

2,417,905
PEANUT HARVESTER

Frederick T. Blaydes, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application October 25, 1943, Serial No. 507,541
4 Claims. (Cl. 55—9)

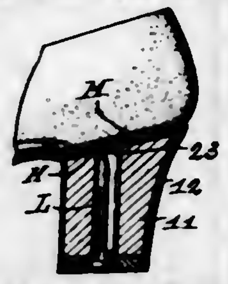


1. In a machine for harvesting peanuts and the like, in combination, a tractor, digger means mounted upon the tractor for vertical movement with respect thereto, transversely extending rotary drum means mounted on the tractor for vertical movement with respect thereto and positioned rearwardly of said digger means in cooperative relation therewith to engage and detach plants removed by the digger means, said drum means having spaced peripheral apertures therein, a stationary shaft having projecting ends upon which the ends of said drum are journaled and a portion within said drum, radially projecting fingers mounted on the portion of said shaft within said drum for eccentric rotary movement with respect to the axis thereof and arranged to slidingly project through said apertures, means for driving said drum means at a peripheral speed equal to or higher than the ground travel of said tractor including gears on said drum and means for driving said gears from the tractor, a stationary gear housing journaled on said shaft, an arcuate member secured to the end of the shaft having spaced openings, and fixed means engageable with one of said openings, whereby circumferential displacement of said shaft may be effected.

2,417,906
SHOE HEEL AND MEANS FOR ATTACHING THE SAME

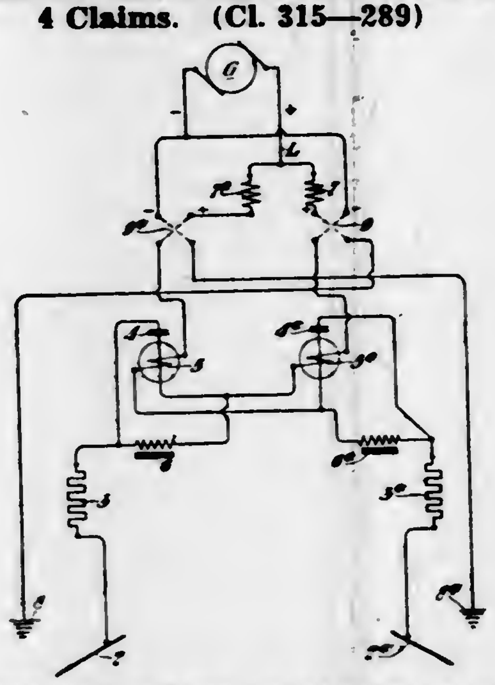
Odilon Boivin, Montreal, Quebec, Canada
Application September 10, 1945, Serial No. 615,470
2 Claims. (Cl. 36—42)

1. In a shoe heel, the combination with a sole having an aperture therein, of a heel block having a bore formed therethrough, a lift adapted to be fitted on the outer face of the block provided with an aperture disposed to register with the bore in the block, an H-shaped holder member adapted to be seated on the sole formed with a loop projecting through the aperture in the sole, a rod adapted to extend through the bore of the block and aperture of the lift and having a hook at one end formed to engage the said loop, and a removable shoulder nut engageable with the opposite end of the rod for securing the block and lift in position.



2,417,907
ELECTRIC ARC WELDING APPARATUS

Hugh S. Bowen, Sr., Fairfield, and James A. Smith, Jr., Birmingham, Ala.
Application November 16, 1943, Serial No. 510,530
4 Claims. (Cl. 315—289)



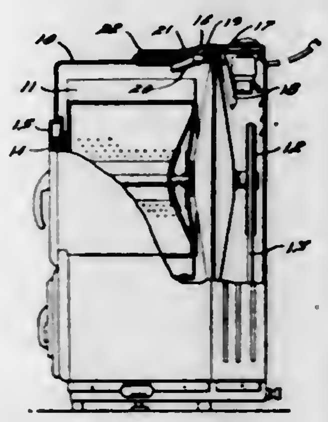
1. In electric welding apparatus, a source of current supply, at least two welding circuits arranged in parallel with each other and connected to said current source, an electrode arranged in each of said circuits for welding simultaneously, relay contacts in one line of each of said circuits, a choke coil in shunt with the relay contacts in each circuit, and a relay coil in series with each parallel welding circuit, each relay coil being so constructed and arranged as to close the relay contacts in one of the other parallel welding circuits when said coil is energized and to open the relay contacts when said coil is deenergized, whereby the choke coil in one circuit absorbs the overload which would otherwise be imposed on the electrode in that circuit upon breaking one of the other welding circuits.

2,417,908
TUB HAVING A WATER INLET PROVIDED WITH A VACUUM BREAKER

Myron W. Bowen, Niles, Mich., assignor to Bendix Home Appliances, Inc., South Bend, Ind., a corporation of Delaware
Application May 1, 1943, Serial No. 485,563
8 Claims. (Cl. 68—58)

1. In a washing machine of the type having a substantially cylindrical tub positioned with its

cylindrical wall and axis in a generally horizontal direction with a rotatable clothes cylinder mounted therein and surrounded by said tub wall, a water inlet for said tub having a vacuum breaker to prevent reverse flow of water from said tub, said vacuum breaker comprising a lower inwardly and downwardly extending lip under an opening in the wall at the top of said tub and positioned to spray water toward the central portion of said rotatable clothes cylinder, an upper outwardly and upwardly extending lip overlapping said inwardly and downwardly extending lip and oppositely positioned relative thereto and substantially parallel therewith, and a water tube having an outlet end thereof spaced above the wall of said tub and spaced from said outwardly and upwardly extending lip to form a gap but positioned to direct a stream of water across said gap under said outwardly and upwardly extending lip and over said inwardly and downwardly extending lip and onto the central portion of said rotatable clothes cylinder.



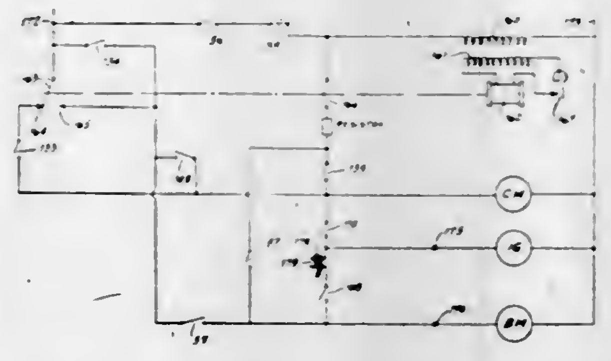
2,417,909

CYCLIC SAFETY CONTROL FOR BURNERS AND THE LIKE

George D. Bower, University City, Mo., assignor to Automatic Control Corporation, St. Louis, Mo., a corporation of Delaware

Application November 22, 1940, Serial No. 366,512

28 Claims. (Cl. 158—28)



1. In a mechanism of the kind described, a fuel supply device, a thermostat, a circuit for the thermostat, a first switch in said circuit, a circuit for the supply device, including means connecting the supply device circuit into the thermostat circuit after the first switch, and dependent upon continued power to hold the thermostat circuit through said connection independently of the first switch, timing means to open the first switch and to close the fuel supply device circuit at the same time, and means to start operation of the timing means upon closure of the thermostat circuit.

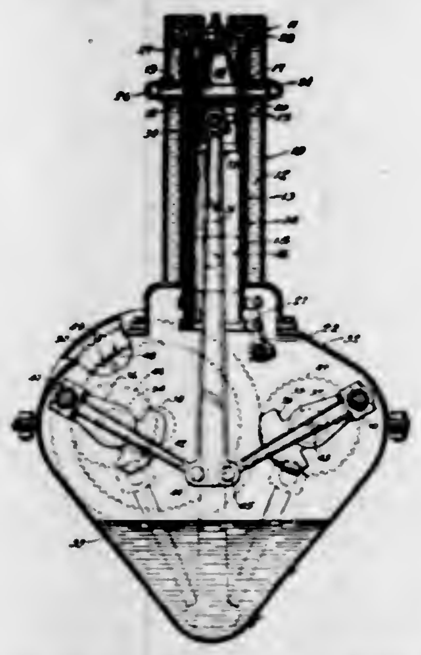
2,417,910

INTERNAL-COMBUSTION ENGINE

Robert D. Bruegger, Chicago, Ill.

Application June 20, 1942, Serial No. 447,751

2 Claims. (Cl. 74—44)



1. In an internal combustion engine, a piston, a piston rod depending therefrom, a pair of crank shafts symmetrically disposed on opposite sides of the piston rod, a pair of connecting rods pivotally connecting said crank shafts with the lower end of said piston rod, the connecting rods being symmetrically disposed on opposite sides of the piston rod whereby lateral thrust on the piston rod is balanced, and gear means carried by each of said crank shafts, and an internal-external gear arranged to mesh with said gear means to synchronize the rotation of said crank shafts.

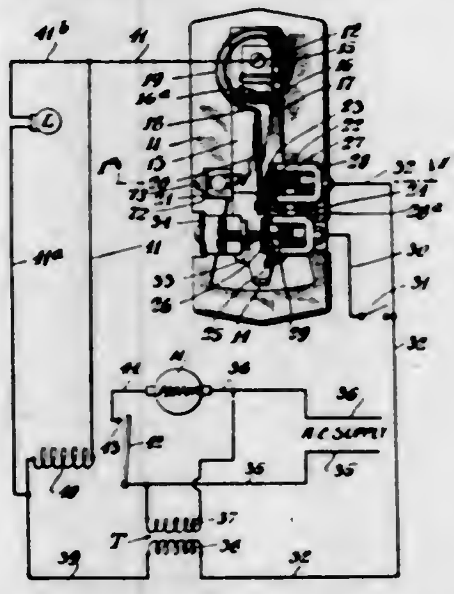
2,417,911

SWITCH FOR AIR-CONDITIONING APPARATUS

John T. Carlson, Dayton, Ohio, assignor to The Master Electric Company, a corporation of Ohio

Application December 29, 1938, Serial No. 248,171

40 Claims. (Cl. 200—138)



3. In a thermostat, a thermo responsive device, an arm actuated thereby, a member carrying two contacts swingably attached to said arm and stationary contact points adjacent said contacts, the member being so connected to said arm that when one of said contacts engages its contact point and the arm is given a further movement the other contact engages its contact point, at least one of said contact pairs being provided with co-acting magnetic means to produce snap action make and break of contacts.

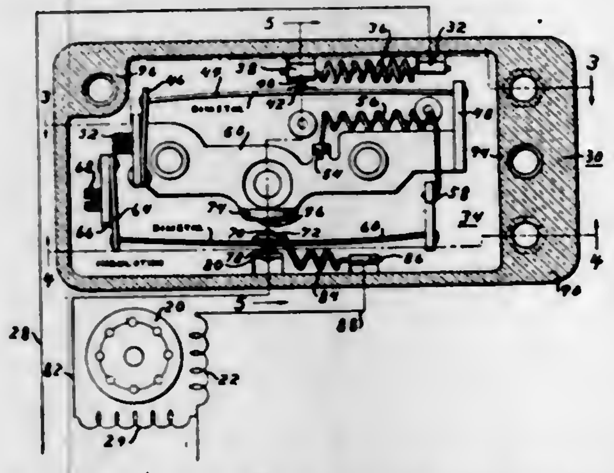
2,417,912

SPLIT-PHASE MOTOR THERMAL STARTING SWITCH

Harry F. Clark, Oakwood, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application August 31, 1944, Serial No. 552,166

13 Claims. (Cl. 172—279)



1. A control device for an electric motor having main and phase windings, comprising a thermally responsive element having a portion movable in a first direction upon heating and a second direction upon cooling, said element being provided with a snap action throughout a certain range of its movement, means for heating said element by current flowing through said motor to cause said element to move in said first direction through said snap action range and beyond, means responsive to said movement for changing the energization of said phase winding and reducing the heating of said element but maintaining sufficient heating at a second rate of said element during the energization of the motor to cause it to move in said first direction beyond said snap action range, means responsive to a predetermined movement of said element in said first direction beyond said snap action range for further reducing the heating of said element to such an extent that the remainder is insufficient to prevent the element from cooling and moving in the second direction, and means responsive to the movement of said element in said second direction for restoring the heating of said element at said second rate, said further reduced heating rate being sufficient to prevent rapid movement in the second direction so that the restoration of the heating at the second rate will reverse the movement of the element before it passes through the snap acting range.

2,417,913

ELECTRIC GLASS FURNACE

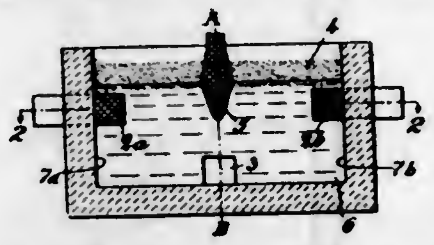
Anders Erik Alexander Streling Cornelius, Stockholm, Sweden, assignor to Yngve Ragnar Erik Cornelius, Portland, Oreg.

Application April 28, 1944, Serial No. 533,197

In Sweden April 30, 1943

4 Claims. (Cl. 13—6)

1. A glass furnace having a substantially rectangular body adapted to hold a burden of vertically supplied glass-making constituents which when molten has a liquid level, a pair of horizontally disposed electrodes extending into the burden from two opposite sides of the body, a glass take-off adjacent the bottom of the body disposed in a vertical plane extending between said electrodes, and another electrode unit extending into the burden to an elevation not higher than the elevation of said pair of electrodes and located in a vertical plane sufficiently adjacent to the vertical plane of the out-take as to minimize bubbles and unmelted constituents of the burden from approaching the out-take.



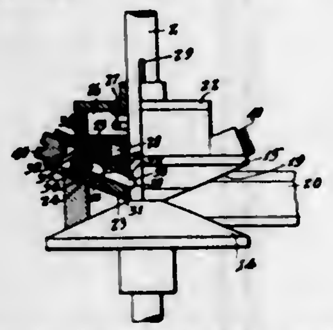
2,417,914

VARIABLE-SPEED TRANSMISSION DEVICE

Francis G. Costello, Los Angeles, Calif.

Application April 3, 1944, Serial No. 529,346

8 Claims. (Cl. 74—230.17)



1. In a V-belt variable speed transmission device, the combination of a driven shaft, a driving shaft, means for rotatably supporting such shafts in parallel relation, a variable effective diameter V-belt pulley mounted on each of said shafts, a V-belt connecting said pulleys and each of said pulleys including a movable face element and a fixed face element, each of the movable face elements comprising an inner cone section and an outer cone section, means for yieldably urging the said cone sections together toward the fixed face element, the inner cone section being yieldably movable but non-rotatable with reference to the outer cone section, a locking means for releasably locking the inner cone section in position upon the supporting shaft and for releasably locking the inner movable cone section with relation to the outer movable cone section, said locking means including a locking pin mounted in an inclined bore formed through the inner cone section, a second locking pin mounted in an aligned bore in the outer cone section, and yieldable means acting to urge both locking pins toward locking position.

2,417,915

FUEL PUMP WITH AUTOMATIC TIMER

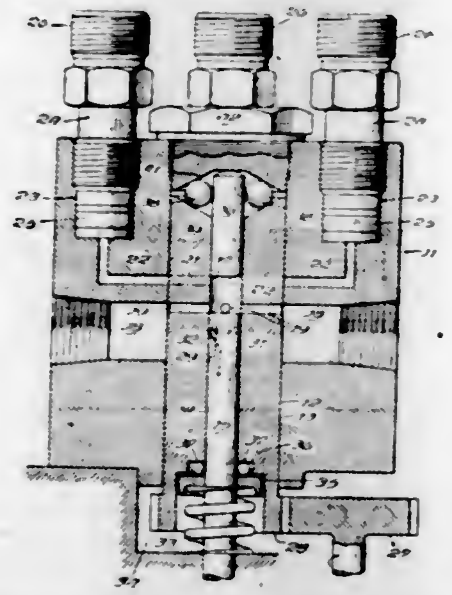
Alexander Dreisin, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey

Application September 6, 1945, Serial No. 614,787

7 Claims. (Cl. 103—2)

1. In a fuel pump, a rotatable and axially displaceable cylinder having a fuel charge zone, a plunger reciprocable in said cylinder to impose pressure of fuel injection magnitude on fuel in said zone during advancing strokes of such reciprocation, means for causing the commencement of such pressure at times correlated with the axial position of the cylinder, force reaction

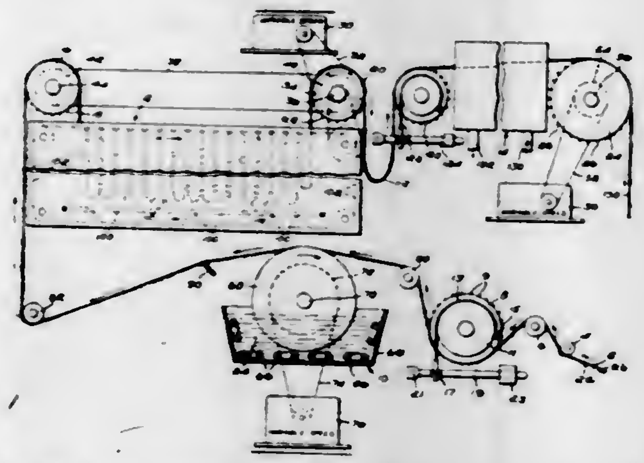
means spaced axially from an end of said cylinder, and inertia force developing means interposed between said force reaction means and said end of the cylinder for revolving about the cylinder axis at a speed variable in accordance with the speed of cylinder rotation, and said force developing means being operable to react between said force reaction means and said end of the cylinder to impose thereon an endwise urging force in accordance with the speed of cylinder rotation.



2,417,916

METHOD OF MOTHPROOFING PILE FABRICS

James N. Dow, Longmeadow, Mass., assignor to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn., a corporation of Massachusetts
Application October 31, 1941, Serial No. 417,277
7 Claims. (Cl. 117—111)

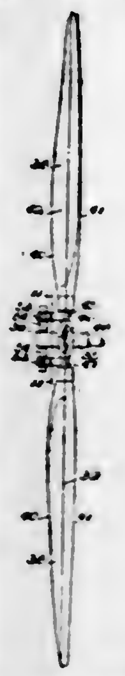


6. The method of applying a mothproofing liquor to a pile fabric to impregnate the pile in and through the base portions of said pile without substantial impregnation of the threads of the backing fabric, which comprises feeding the fabric continuously and in said feeding compressing the pile to form substantially a flat surface against an applicator, applying restricted quantities of a solution of a moothproofing agent carried by said applicator onto said flat surface and close to the base portions of said pile, whereby said solution impregnates said base portions, and regulating the quantity of moothproofing agent applied by said applicator in proportion to the compression of the pile as determined by the tension of the web and its rate of travel to insure application of a predetermined maximum quantity of mothproofing agent essential to saturation of the pile structure but insufficient to saturate the backing fabric.

2,417,917

VARIABLE PITCH PROPELLER

Walter W. Everts, Baltimore, Md., assignor to Everel Propeller Corporation, Baltimore, Md., a corporation of Maryland
Application February 1, 1944, Serial No. 520,658
9 Claims. (Cl. 170—162)

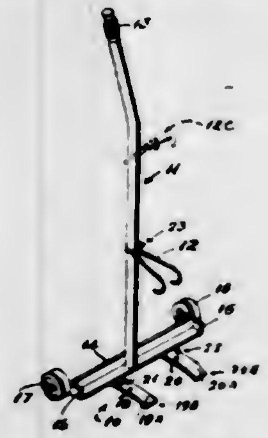


1. In an automatic variable pitch propeller, a rotary driving member, propeller blades having turning axes, means to mount the blades upon the driving member to simultaneously move radially and turn upon their axes with relation thereto and to move axially of the driving member, said means having a camming action with the member to draw the blades radially inwardly when they are turned upon their axes to reduce their pitch, and a driving element separate from the mounting means and mounted upon the driving member and connected with the blades so that the driving member rotates the blades.

2,417,918

HOUSEHOLD UTILITY TRUCK

James I. Fatur, Culver City, Calif.
Application December 18, 1945, Serial No. 635,839
5 Claims. (Cl. 214—65.4)



1. A utility truck comprising an object-supporting base, an attenuated thereto immovably fixed stem, whose base-adjoining portion defines the stem plane, and a stem-engaging detent for preventing dislodgement of said object, said base including: two axially alined supporting wheels, whose common axis is in the wheel plane; two mutually spaced prongs, whose two respective outermost ends, together with said wheels, are adapted to support the stationary said truck on a flat surface defining the surface plane; an attenuated traverse, whose longitudinal mean traverse plane parallels the wheel axis; two cross-sectionally upright plate brackets, angular to the wheel plane and immovably fixed to said traverse respectively at the two opposite ends thereof, all of the traverse being between the wheel plane and the prongs; said detent being slidable longitudinally of the stem and having dual hook ends which, in their concave aspect, confront the stem and are adapted to engage the flanged open end of a pail or a bail thereon, the object-contacting loci in said hook ends defining the detent plane.

2,417,919

SUBSTITUTED NAPHTHOQUINONES AND PROCESSES FOR PRODUCING THE SAME

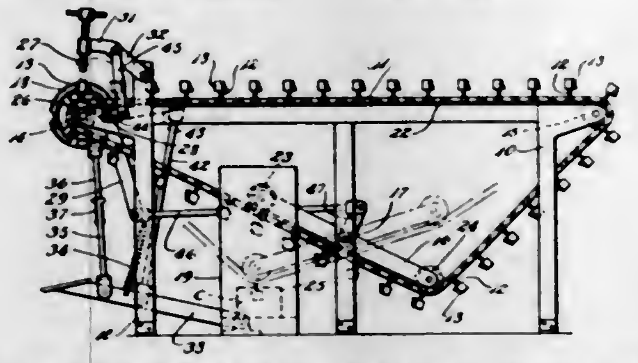
Louis F. Fieser, Belmont, Mass., assignor to Research Corporation, New York, N. Y., a corporation of New York
No Drawing. Application September 11, 1939, Serial No. 294,317
12 Claims. (Cl. 260—396)

1. In a process for the production of substituted 1,4-naphthoquinones the step which consists in condensing a 1,4-naphthohydroquinone with a compound of the group consisting of open chain aliphatic hydrocarbon dienes, open chain unsubstituted aliphatic β-unsaturated alcohols and reactive alcohols of the type ArCH$_2$OH in which Ar is an aryl radical, with the aid of an acid having an acid strength substantially within the range from that of oxalic acid to that of trichloroacetic acid and in the presence of an inert solvent for the reactants and the acid at a temperature of from about 70° C. to 180° C.

2,417,920

APPARATUS FOR APPLYING COATING MATERIAL TO A SERIES OF OBJECTS

John H. Flink, Watertown, Mass., assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application April 21, 1943, Serial No. 483,884
17 Claims. (Cl. 91—46)

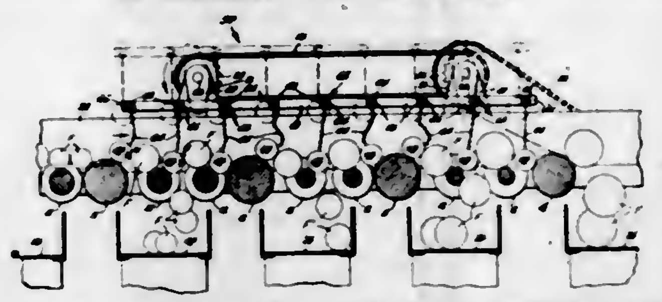


8. In an apparatus for applying cement material to a series of shoe heels, apparatus including an endless flexible chain having a series of spikes projecting outwardly therefrom at spaced intervals for impaling and holding individual shoe heels, said chain being movably supported around a closed path, a rocker arm guiding a portion of the chain, the rocker arm being pivotally mounted on a fulcrum at substantially the center of said arm, a sprocket wheel engaging and guiding another portion of said chain, a hand wheel movable with the sprocket wheel for causing movement of said chain around its path and also for interrupting said movement, a cement holding means placed immediately beneath one end of the rocker arm into which shoe heels can be immersed, grasping means for firmly grasping a shoe heel after it has received a coating of cement, a foot treadle, and connecting means connecting the foot treadle to the grasping means and to the rocker arm so constructed and arranged that operation of the treadle simultaneously rocks the rocker arm to immerse a shoe heel in the cement material and causes the grasping means to grasp firmly a cement coated heel, said action taking place during an interruption of movement of the endless chain.

2,417,921

FLEXIBLY SUSPENDED BALL MEANS FOR ADVANCING ARTICLES OVER TRANSVERSE ASSORTING ROLLERS

Richard D. Fox, San Jose, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application February 4, 1944, Serial No. 521,078
15 Claims. (Cl. 209—106)

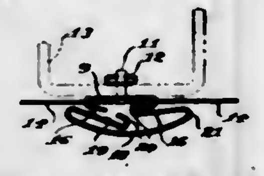


1. In a conveyor for rollable articles having transverse rotating rollers forming valleys for supporting and rotating said articles, the combination of: a series of balls; and means for flexibly suspending said balls over said rollers and periodically bringing said balls downwardly into freely rotatable contact with said rollers and said articles carried thereon and then lifting said balls upwardly out of contact with said rollers.

2,417,922

MOUNTING MEANS FOR FABRIC AND LIKE COVERING SHEETS

John E. Frazer, Burbank, Calif., assignor, by mesne assignments, to Lockheed Aircraft Corporation, a corporation of California
Application March 5, 1945, Serial No. 581,147
13 Claims. (Cl. 160—384)



4. In a mounting means for joining and supporting covering sheets of fabric, a base strip adapted to be mounted on the surface of an object to which such sheets are to be applied, fastening elements on said strip for joining edges of said sheets and holding them on said strip, a cover strip adapted to overlie and conceal said edges and said base strip, and hook formations integral therewith and lying on the inner face thereof at points spaced inwardly of the longitudinal edges of the cover strip and subject to being hooked onto said fastening elements to detachably secure the cover strip to said base strip.

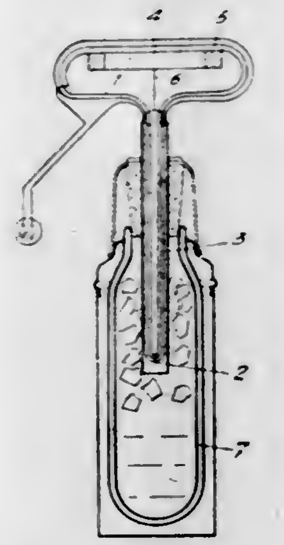
2,417,923

THERMOPILE FOR MEASURING AIR TEMPERATURE

Nils Pontus Wilhelm Frisk, Stockholm, Sweden, assignor, by mesne assignments, to Telefon Aktiebolaget L. M. Ericsson, Midsommarkranssen, near Stockholm, Sweden
Application May 26, 1943, Serial No. 488,589
In Sweden November 19, 1941
5 Claims. (Cl. 136—4)

1. In a thermo-electric temperature measuring device, the combination with a vacuum flask for

receiving a non-gaseous reference medium for maintaining a constant temperature inside the flask, a closed-bottomed tube extending into said flask, a gas-tight seal between the tube and mouth of the flask, a flat frame connected to the exposed outer end of said tube, said frame extending in a plane forming an angle with the axis of said tube, pairs of small-sized filaments of dissimilar



material, said pairs of filaments extending into said tube and having soldered junctions near the bottom thereof, said pairs of filaments also being stretched over the surface of said frame remote from the vacuum flask and having other soldered junctions in the middle thereof, so as to form thermo-couples for connection to an electric measuring instrument.

2,417,924

DESICCANT PAPER

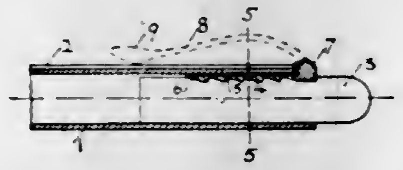
Wright W. Gary, Los Angeles, Calif., assignor to Filtrol Corporation, Los Angeles, Calif., a corporation of Delaware
No Drawing. Application September 14, 1943, Serial No. 502,365
6 Claims. (Cl. 117—152)

1. A paper having desiccant properties, comprising a sheet of paper containing a montmorillonite acid activatable sub-bentonite clay desiccant having a V. M. of about 5% to 8%.

2,417,925

ADJUSTABLE ERASER

Jakob Gerster-Seiler, Jegenstorf, Bern, Switzerland
Application January 28, 1943, Serial No. 474,870
In Switzerland January 30, 1942
8 Claims. (Cl. 120—38)

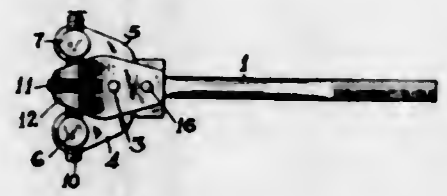


1. An adjustable eraser comprising a tubular holder; a stick of erasing material inserted in one end of said holder; and an anchor strip inserted at one side between the inner surface of said holder and said erasing stick, and frictionally engaging said stick the other sides of said stick touching said holder immediately whereby said stick can maintain its position relative to said holder while said anchor strip is inserted.

2,417,926

WRENCH FOR WATERPROOF WATCH CASES

Lloyd Ghiglieri, Oakland, Calif.
Application November 21, 1944, Serial No. 564,489
2 Claims. (Cl. 81—6)

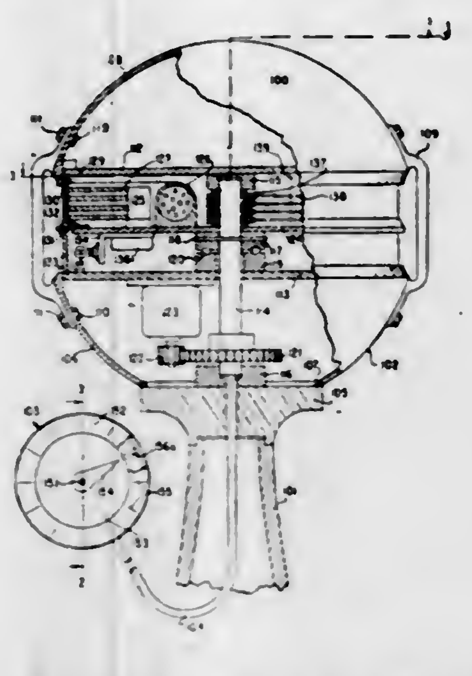


1. In a wrench, a supporting structure, lever arms pivotally connected to the supporting structure by a common pivot member, rotatable jaw carrying members mounted on the arms, jaws carried by the jaw carrying members, and common screw means engaging with the jaw carrying members for simultaneously moving the arms about their pivots, whereby the jaws may be adjusted toward or from each other.

2,417,927

SOUND DIRECTION FINDER

Gabriel M. Giannini, North Hollywood, Calif., assignor, by mesne assignments, to Automatic Electric Laboratories, Inc., a corporation of Delaware
Application March 22, 1943, Serial No. 480,028
15 Claims. (Cl. 177—386)

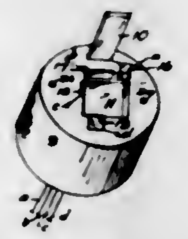


1. A sound direction finder comprising a member mounted for rotation, two microphones having sound openings facing in the same direction supported by said member, the individual outputs of said microphones varying in accordance with established patterns in response to rotation of said member with respect to a direction line extending between said member and a source of sound, said microphones being so constructed and arranged that they respectively produce maximum and minimum points of output in their individual output patterns only when said member occupies a substantially fixed angular position with respect to said direction line, whereby the angular position or direction of said source of sound with respect to said sound openings is established, and means responsive jointly to the production of maximum and minimum points of output in said individual output patterns for producing a signal.

2,417,928

ELECTRIC PLUG

Max M. Guernsey, Stellacoom, Wash.
Application August 28, 1945, Serial No. 613,044
4 Claims. (Cl. 173—361)

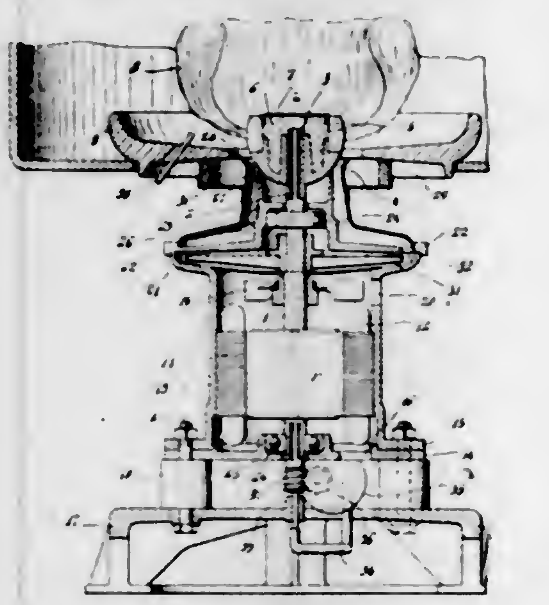


1. In an electric plug having a number of circuit wires connected thereto and leading therefrom and adapted to be connected to either of two circuits of different voltages, comprising a fixed contact finger mounted on the plug and in constant connection with one of said circuit wires; a movable body mounted on the plug; a second contact finger mounted on said movable body; fixed plates mounted on said plug adjacent to said body and connected to said circuit wires; and plates mounted on said body and adapted to contact the plates mounted on the plug one said plate being connected to said second contact finger, whereby when said second contact finger is in one position said plates on said body contact certain plates on the plug and when said second contact finger is in its other position said plates on said body contact other plates on the plug.

2,417,929

ROTARY HEAD OIL BURNER

Dagfrid Hanson, Fairfield, Conn., assignor of two-thirds to John N. Ledbetter, Jr., New York, N. Y.
Application August 23, 1944, Serial No. 550,760
1 Claim. (Cl. 158—77)

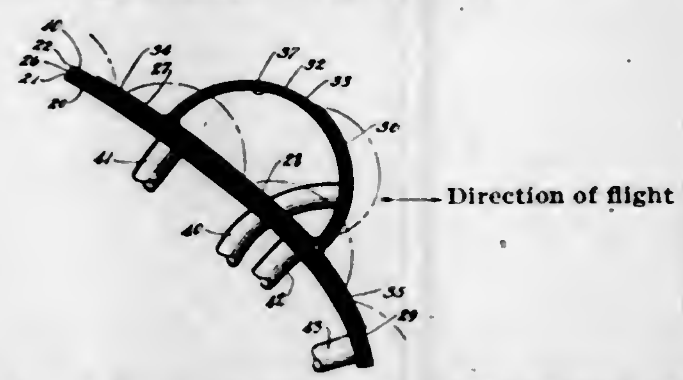


A burner having a diffusion member comprising an impervious upright cup-shaped head having an external shoulder on its rim, a porous metal ring engaging said shoulder, a porous fibre filler contained within said cup and ring, means for rotating said member, a fixed conduit to supply liquid fuel passing through the bottom of the cup and terminating within said filler, means forming an air flue having one end adjacent said member and an impeller to discharge air from said flue around said member.

2,417,930

ICE REMOVING DEVICE FOR AIRPLANES

Thomas C. Harper, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application June 13, 1942, Serial No. 446,879
16 Claims. (Cl. 244—134)

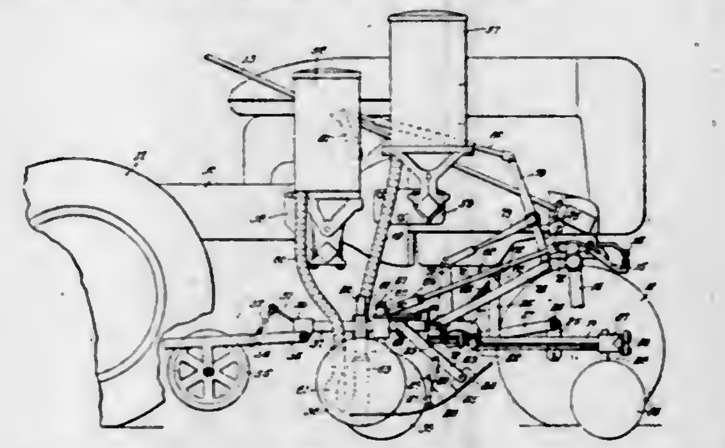


9. Means for preventing the accumulation of ice upon a body in the air and permanently modifying the contour of the frontal area of said body, said means comprising a deformable surface at said frontal area, means for varying the configuration of said surface and for moving a portion of said surface outwardly from said body, and a permanently protuberant element of elongated form extending along said surface at said frontal area and movable outwardly with said portion, said protuberant element comprising deformable covering material in continuation of said deformable surface and a stiffening reinforcement within said covering material resisting deformation of said element while permitting the outward movement of said element.

2,417,931

TRACTOR MOUNTED PLANTER

James L. Hipple, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application December 23, 1943, Serial No. 515,329
12 Claims. (Cl. 111—59)



1. In combination with a tractor having a steering mechanism and dirigible wheels, a planter comprising a soil-working unit and a dispenser unit, means pivotally connecting the dispenser unit to the soil-working unit for lateral swinging movement with respect thereto, and means steerably connecting said dispenser unit and said steering mechanism for guiding said dispenser unit in the path of said soil-working unit.

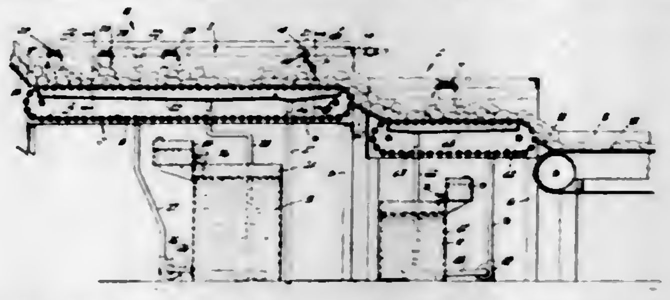
2,417,932

POTATO TREATING PROCESS

Arthur F. Kalmar, Riverside, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application June 19, 1943, Serial No. 491,521
10 Claims. (Cl. 99—154)

9. A method of treating potatoes which comprises contacting said potatoes with an aqueous

solution of a hypochlorite of an alkali-forming

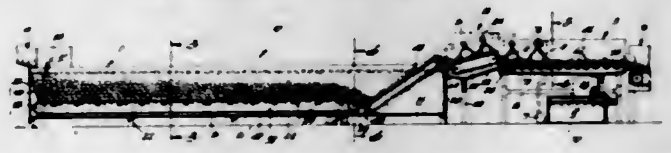


metal, and thereafter contacting said potatoes with an aqueous solution of an antichlor.

2,417,933

METHOD OF TREATING POTATOES

Arthur F. Kalmar, Riverside, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application January 19, 1944, Serial No. 518,842
10 Claims. (Cl. 99—156)

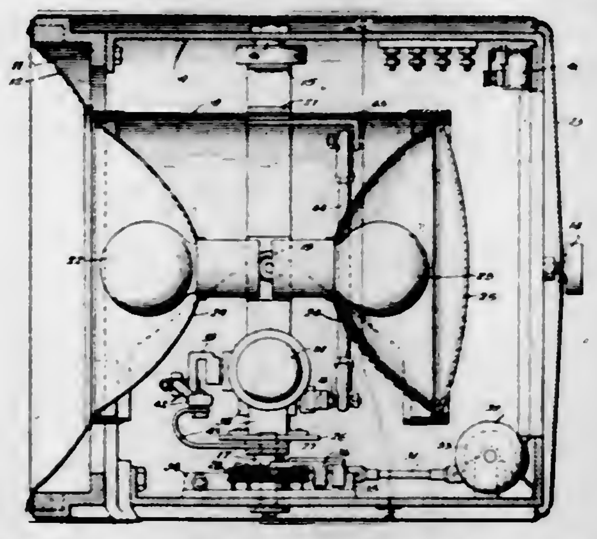


1. A method of removing black scurf from potatoes which consists in: subjecting said potatoes to the detergent action of a solution of a hypochlorite of an alkali-forming metal, and brushing said potatoes to remove said black scurf in the presence of a reducing agent which reduces to inert chlorides any hypochlorite remaining on the potatoes.

2,417,934

OSCILLATING LIGHT SIGNAL DEVICE

Jeremiah D. Kennelly, Oak Park, Ill.
Application January 1, 1945, Serial No. 570,946
5 Claims. (Cl. 177—329)

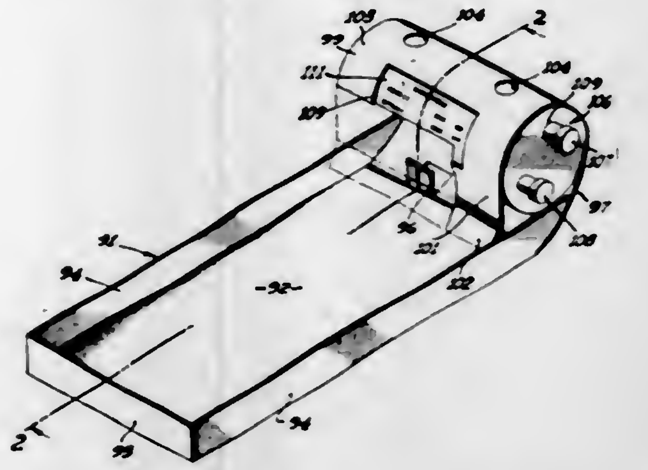


2. A signal device comprising a casing adapted to be mounted on a car or the like and formed with an opening thru which a light beam may project, a subframe pivoted on the casing, an elongated support pivoted on the subframe on an axis transverse to the pivotal axis of the subframe, a pair of light sources for projecting visibly different rays of light carried by the support at opposite ends thereof respectively, a plate mounted for pivotal movement about an axis coincident with the axis of the subframe, means to turn the plate about its axis, a motor carried by the plate, a pair of cranks driven by the motor, and links connecting the cranks respectively to the subframe and the support to rock them about their axes.

2,417,935

MEMORANDUM PAD HOLDER

Fred H. Kiser, Los Angeles, Calif.
Application November 21, 1944, Serial No. 564,511
1 Claim. (Cl. 281—1)

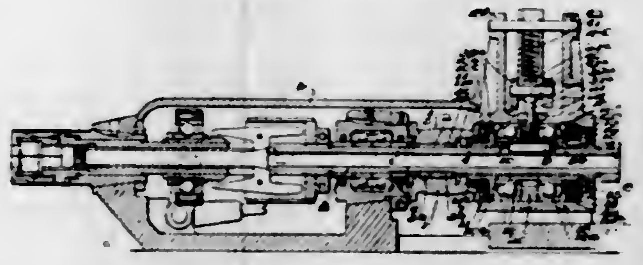


In a desk appliance of the character described, means providing a writing platform adapted to receive a supply of sheets of paper, guide means carried thereby engageable with edges of said sheets to hold them in stacked relation, and means for releasably retaining said sheets upon said platform comprising a continuation of said platform extending rearwardly therefrom, thence upwardly, forwardly, and downwardly toward said platform in position to engage the uppermost of said sheets and thereby retain all of said sheets in writing position upon said platform, the rearwardly, upwardly, forwardly, and downwardly extending portions of said continuation defining a hollow head adapted to receive a calendar cartridge and having an aperture therein through which said calendar is visible.

2,417,936

AUTOMATIC SCREW MACHINE, AUTOMATIC LATHE, AND ALLIED AUTOMATIC MACHINE TOOL

Walter E. Klema and Harry Sorenson, Racine, Wis., assignors to George Gorton Machine Co., Racine, Wis., a corporation of Wisconsin
Application March 24, 1944, Serial No. 527,978
11 Claims. (Cl. 82—30)



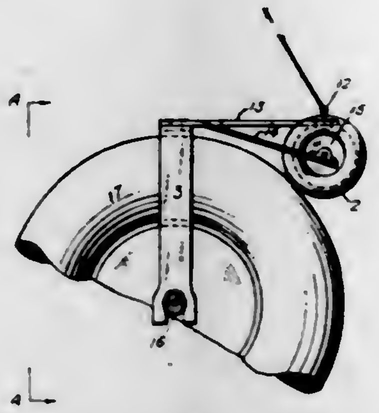
1. In a screw machine, lathe, or the like, of the type including a headstock and a rotary work spindle; a rotary driving member for said work spindle; mechanism for operatively establishing driving relation between said member and said spindle, and for breaking said driving connection and for temporarily locking said spindle against rotation when said driving relation is broken, said mechanism including a sleeve rotating with said spindle and relatively movable back and forth longitudinally of said spindle; means being provided to release said sleeve and spindle for rotation and to establish spindle and sleeve driven relation with said driving member when said sleeve moves to its limit of movement in one direction, and to break said driving relation and lock said sleeve and spindle against rotation when said sleeve moves to its limit of movement in the opposite direction; and sleeve actuating and controlling mechanism including, a relatively movable element substantially concentric with the axial line of said spindle for longitudinally impelling said sleeve in either direction, said element provided with a projecting arm for rotating the same on said axial line in either direction, and means being provided for converting said rotary movements into longitudinal movements of said element to propel said sleeve longitudinally in either direction.

5. In a screw machine, lathe or the like of the type including a headstock and a rotary work spindle; a longitudinally hollow hub or housing forming a rearward longitudinal continuation of said headstock, the rear end portion of said rotary work spindle housed within and extending through said hollow hub or housing; a rotary spindle driving member mounted for idling rotation; and mechanism for operatively establishing driving relation between said rotary driven member and said spindle, and for breaking said driving connection and for temporarily locking said spindle against rotation when said driving relation is broken, said mechanism including, a clutch sleeve mounted on said spindle substantially within said hollow hub or housing for rotation with said spindle and being relatively movable back and forth longitudinally of the said spindle to establish spindle and sleeve driven relation with said driving member when said sleeve moves to its limit of movement in one direction, and for breaking said driving relation and locking said sleeve and spindle against rotation when said sleeve moves to its limit of movement in the opposite direction, an anti-friction bearing forming a main bearing for the rear end portion of said spindle mounted on said clutch sleeve concentric therewith between the internal wall of said hollow hub or housing and the said spindle, and means for actuating and selectively controlling the movements of said clutch sleeve longitudinally of said rotary work spindle.

2,417,937

POWER ROTATION OF AIRCRAFT WHEELS

Samuel S. Knox, Long Beach, Calif.
Application December 18, 1944, Serial No. 568,580
5 Claims. (Cl. 244—103)

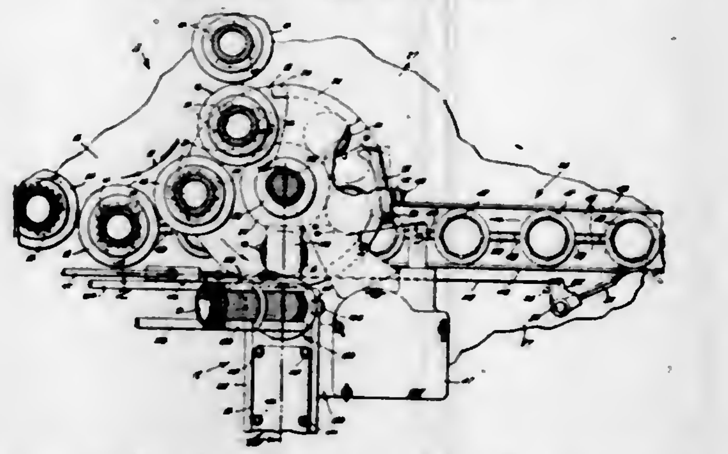


1. A power drive for pre-rotation of the landing wheels of aeroplanes, comprising a hydraulic cylinder operatively connected to the hydraulic system of the aeroplane, a piston in said cylinder; a power drive means engaging a landing wheel of the aeroplane, and means extending from said piston to said power drive means whereby actuation will retract said power drive means from engagement with the landing wheel.

2,417,938

CAP FEEDER

Frank W. Krueger, Atherton, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application July 3, 1944, Serial No. 543,338
4 Claims. (Cl. 226—88.1)



1. In a feeding device, the combination of: magazine means for holding a stack of flat articles; yieldable means for retaining said articles in said magazine means in stack form; vacuum cup means for separating an endmost article from said stack; and transverse feed means for engaging said article and shifting it parallel with the plane of said vacuum cup means and said stack.

2,417,939

PURIFICATION OF SULFONAMIDE DERIVATIVES

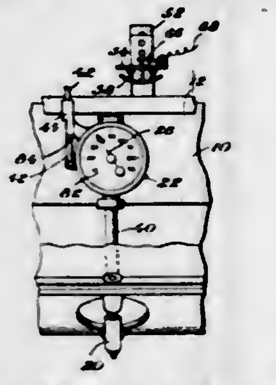
Erwin Kuh, New Brunswick, Leonard H. Dhein, Bound Brook, and Robert H. Ebel, Martinsville, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application November 1, 1945, Serial No. 626,180
6 Claims. (Cl. 260—239.6)

1. In the purification of weakly acidic organic chemicals, having pKa values in the range of 2–12 and capable of forming water-soluble alkaline-earth metal salts, from mixtures with colored oxidized impurities, the improvement which comprises dissolving the material in aqueous alkaline solution, adding thereto a material capable of furnishing free alkaline-earth metal ions, adding a water-soluble alkali dithionite, heating and agitating the mixture, whereby the objectionable colored impurities are reduced and an alkaline-earth metal sulfite is precipitated, and clarifying the resultant mixture.

2,417,940

PRESSURE DROP ALARM

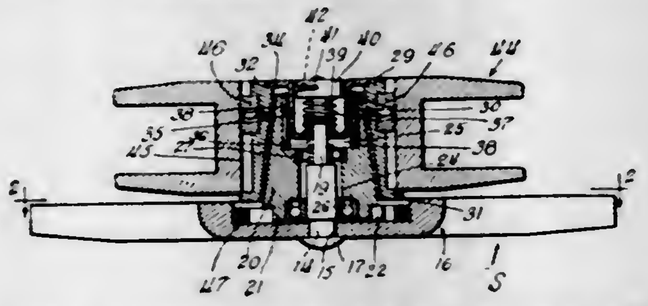
Stanley Lehman, Madison, Wis.
Application October 28, 1943, Serial No. 507,998
3 Claims. (Cl. 200—58)



1. In a periodic electric alarm for use in indicating low vehicle tire inflation pressures, the

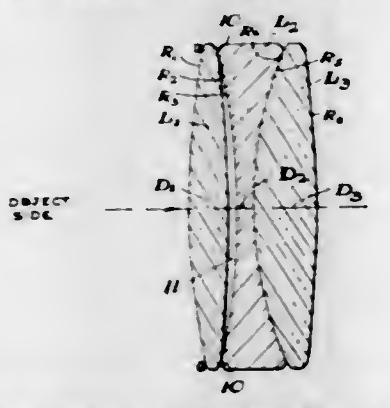
combination of a pressure responsive device mounted on a wheel and associated with the tire, said device including an elongated member slidably movable into an active position when pressure in the tire lowers and into an inactive position when the pressure in the tire is normal, and a circuit closer supported adjacent the wheel and comprising a stationary plate, tubular bearings spacedly mounted on said plate, a cam-like element adapted to be engaged by said elongated member as the wheel revolves and the pressure in the tire has lowered, guide pins carried by said cam-like element and slidably engaged in said bearings, coil springs engaged on said guide pins and said bearings to support said cam-like element for movement relatively to said plate, a spring contact carried by and insulated from said plate, and a contact member carried by said cam-like element medially between said guide pins and adapted to engage with said spring contact to close the alarm circuit, when the cam-like element is actuated to compress said coil springs by the engagement of said elongated member therewith.

2,417,941
SHUTTLE BOBBIN TAKE-UP MECHANISM
Robert J. Loos, Sterling, Ill., assignor to Reynolds Wire Co., Dixon, Ill., a corporation of Illinois
Application January 2, 1946, Serial No. 638,672
16 Claims. (Cl. 139—197)



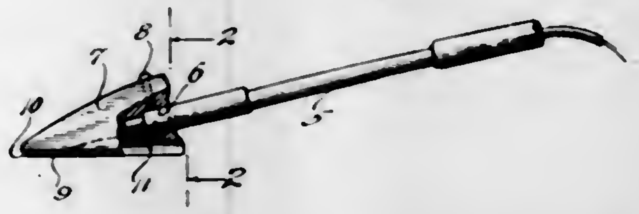
1. The combination of a shuttle body, with a post rigidly secured in the shuttle body, a cone rotatably mounted on said post, a hollow winder rotatably mounted on said cone, friction means disposed between said cone and said hollow winder, spring means coacting between said cone and said hollow winder, and means on said hollow winder for non-rotatably supporting a bobbin, the effectiveness of said friction means being responsive to the weight of the bobbin and said spring means.

2,417,942
TRIPLET OBJECTIVE LENS
John R. Miles, West Englewood, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application September 3, 1943, Serial No. 501,161
8 Claims. (Cl. 88—57)



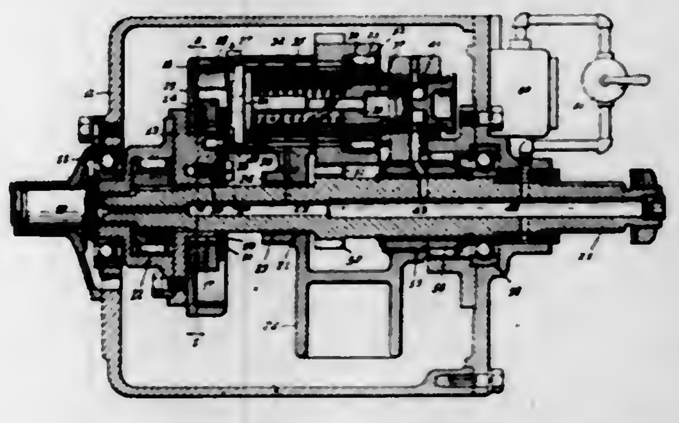
2. A three-element objective for telescopes and the like, comprising a front convergent crown element, a central divergent flint element, and a rear convergent crown element in axial alignment with all adjacent edges touching, having the power of the front element between 1.0 and 1.5 times that of the whole objective, having the N_D for each crown element being higher than that for the flint element, and having the second element's first surface constructed to have a radius of curvature different from that of the second surface of the first element to provide an air lens, N_D being the refractive index for the line D of the solar spectrum.

2,417,943
PAINT REMOVER
John H. Muller, New Rochelle, N. Y.
Application April 25, 1945, Serial No. 590,221
1 Claim. (Cl. 219—21)



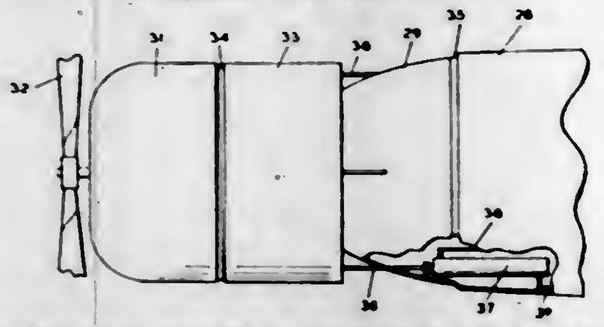
A paint remover comprising an elongated metallic body having a socket in its rear edge adapted for receiving an electrically heated tool for heating the body, said body having a flat bottom and a recess in the bottom of the body extending forwardly from its rear edge with the side edges of the recess spaced inwardly from the side edges of the body and converging forwardly, said body being adapted for moving over a painted surface for softening the paint thereon and said recess being adapted to receive paint buckled on the painted surface, said recess being concave longitudinally and transversely of said body and open at its rear end to form the buckled paint into blisters to facilitate removal of the buckled paint by a scraping tool.

2,417,944
SPEED VARYING GEARING
William B. Osborne, Muncie, Ind.
Application August 16, 1944, Serial No. 549,754
3 Claims. (Cl. 74—115)



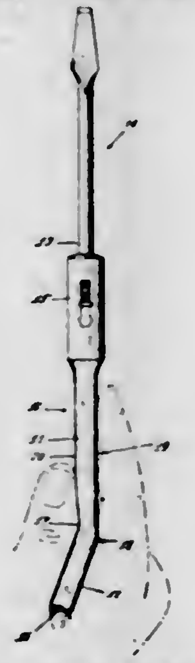
1. In a speed-varying transmission unit, a variable-lever ratchet mechanism comprising a sleeve mounted for oscillation about its own axis and for revolution about an external axis parallel with its axis of oscillation and having a transverse lever-guide, a lever slidably mounted in said guide, an oscillable actuator journalled in said sleeve and connected to said lever to shift it in its guide, and means by which said actuator may be shifted.

2,417,945
HYDRAULICALLY CONTROLLED COWLING RING FOR AIRCRAFT
Will D. Parker, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application May 5, 1944, Serial No. 534,299
1 Claim. (Cl. 123—171)



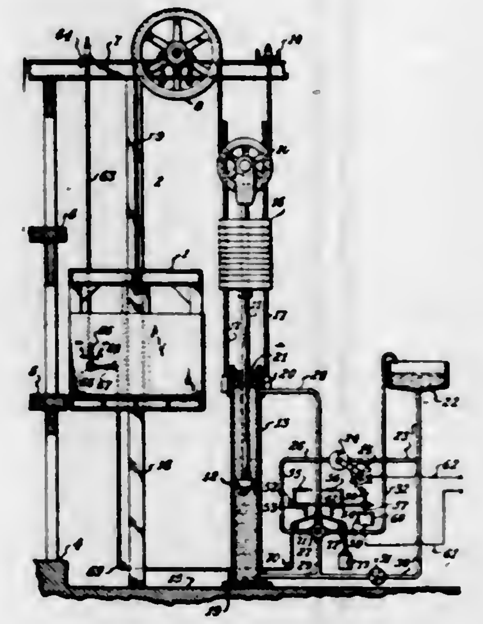
An aircraft nacelle comprising in combination a first fixed element comprising a nacelle body having an inwardly tapered end, an engine mounted on said end, a second fixed element comprising a stationary cowling mounted in fixed spaced relationship to said nacelle body, said cowling extending around said engine, means controlling the flow of air between the stationary cowling and the nacelle body comprising a substantially cylindrical sleeve lying in substantially the same cylindrical plane as and movable relative to the outer surface of said stationary cowling, said sleeve being guided at all times by contact with at least one of said first and second fixed elements whereby fluttering is substantially suppressed, said sleeve being movable axially of the nacelle body from a position substantially completely closing the space between the stationary cowling and the nacelle body to a position allowing sufficient air flow through said space to effect substantial cooling of said engine, and remote control means for moving said sleeve comprising hydraulic cylinders secured to at least one of said fixed elements, a plurality of rods secured directly to said sleeve, and pistons mounted on said rods and received in said cylinders, said rods, pistons, and cylinders having their longitudinal axes substantially parallel to the axis of movement of said sleeve, whereby easy movement of said sleeve is obtained.

2,417,946
TOOL HANDLE
William G. Prentice, Indianapolis, Ind.
Application August 14, 1944, Serial No. 549,399
2 Claims. (Cl. 145—61)



1. A handle for a tool adapted to be twisted about its own axis, said handle comprising a shank portion and a grip portion, said grip portion being adapted to lie in the palm of the manipulator's hand and having an extent, in one direction, substantially perpendicular to the axis of said shank portion sufficient to accommodate the little finger and the next two adjacent fingers of the manipulator's hand in enwrapping relation to said grip portion, said shank portion being substantially coaxial with said tool, and said grip portion lying in a plane angularly related to said shank portion so that, when said grip portion is so held, the manipulator's forefinger will lie naturally along the outer surface of the angle between said shank portion and said grip portion while his thumb will lie along the inner surface of said angle.

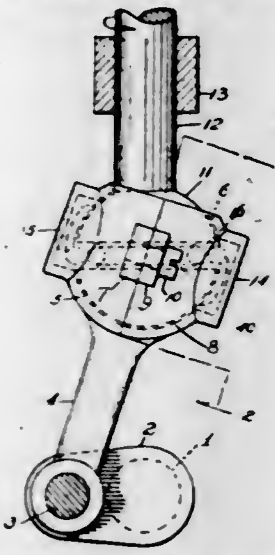
2,417,947
HYDRAULICALLY OPERATED ELEVATOR
Charles H. Reedy, Cincinnati, Ohio, assignor to Mary B. Reedy, Cincinnati, Ohio
Application December 6, 1943, Serial No. 513,054
5 Claims. (Cl. 60—52)



1. In a mechanism of the character described an elongated cylinder, a piston therein, a piston rod passing through one end of said cylinder, fluid connections between each end of said cylinder and valve means, a fluid connection between a source of fluid under pressure and said valve means, and a connection between an overflow and said valve means, said valve means being operable in two directions with two operative positions in each direction at progressively greater distances from an intermediate neutral position, and said valve means having separate, check-valved passageways acting in the first of said operative positions in either direction to connect one end of the said cylinder with the other end thereof, and in the second of said operative positions to connect one end of said cylinder with said source of fluid under pressure and the other end of said cylinder with said overflow means, said source of fluid under pressure comprising a pump and a motor, and means actuable in connection with said valve means at the second of said positions in either direction to energize said motor, and means for compensating for differences in fluid displacement in said cylinder on either side of said piston when the ends of said cylinder are connected together.

2,417,948
POWER TRANSMISSION MECHANISM

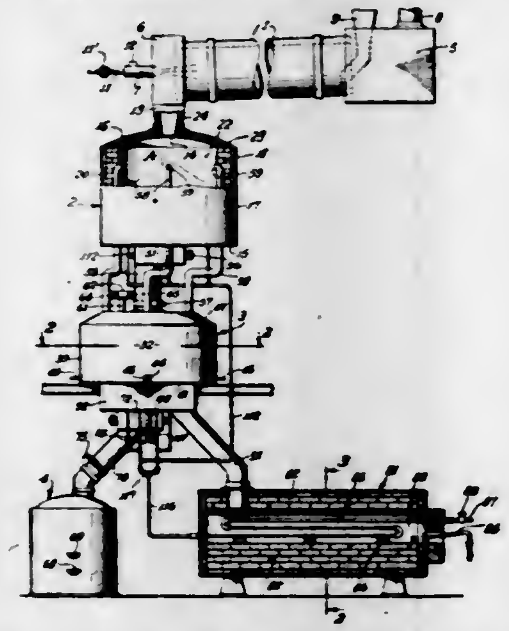
Paul Edwin Reimuller, Chicago, Ill.
Application May 25, 1944, Serial No. 537,327
4 Claims. (Cl. 74—24)



1. In a power transmission mechanism, a ball, a ball race formed peripherally of said ball, a socket receiving said ball, diametrically opposed blocks carried by said socket formed with oppositely disposed ball races, dogs carried in said first named ball race contiguous to said blocks formed with ball grooves registering with said inclined ball races, and ball connection between said dogs and said first named ball race and between said dogs and said blocks.

2,417,949
PROCESS FOR RECOVERY OF IRON FROM ORE

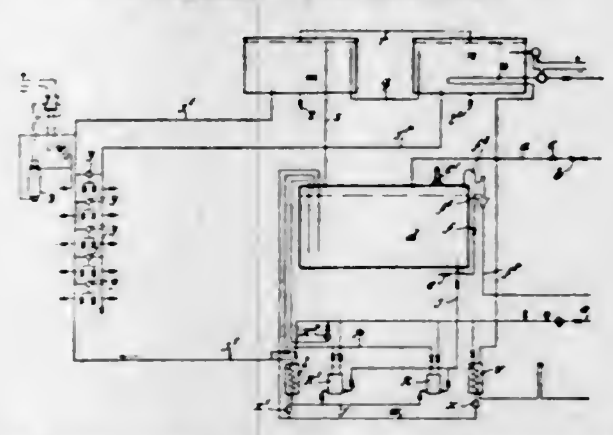
Elfego Riveroll, Hermosa Beach, Calif.
Application August 21, 1943, Serial No. 499,511
10 Claims. (Cl. 75—38)



9. A process for the recovery of iron from an ore containing an oxide thereof higher than FeO, which comprises: subjecting the ore in divided condition to contact with hot combustion gases in a first stage in which the ore is free to expand on heating, to remove water present in the ore and heat the ore to a temperature between about 400° C. and about 900° C.; thereafter delivering the dried and heated ore into an enclosed vertically extending chamber and maintaining a vertically extending body of such ore within said chamber; supplying heat to said ore body through the walls of said chamber in an externally heated zone extending throughout a major portion of the height of said ore body, to maintain said ore body at a temperature between about 400° C. and 900° C. within said zone; introducing a preheated hydrocarbon fluid into contact with the ore in said body at a plurality of vertically spaced positions intermediate the height of said externally heated zone, to cause reduction of iron in said ore within the body to a state of oxidation lower than Fe_3O_4 and partially to metallic iron; removing from the lower end of the ore body partially reduced ore containing iron completely reduced to a state of oxidation lower than Fe_3O_4 and partially reduced to metallic state; subjecting the ore so removed to further heating in the presence of a solid reducing agent at a temperature sufficient to complete the reduction of the iron to the metallic state and cause fusion thereof; and recovering the resulting metallic iron.

2,417,950
CONTINUOUS STERILE WATER SUPPLY SYSTEM

Ernest Rothwell, Rochdale, England, assignor to Chas. F. Thackray Limited, Leeds, England, a British company
Application October 31, 1944, Serial No. 561,292
In Great Britain November 23, 1943
4 Claims. (Cl. 257—10)

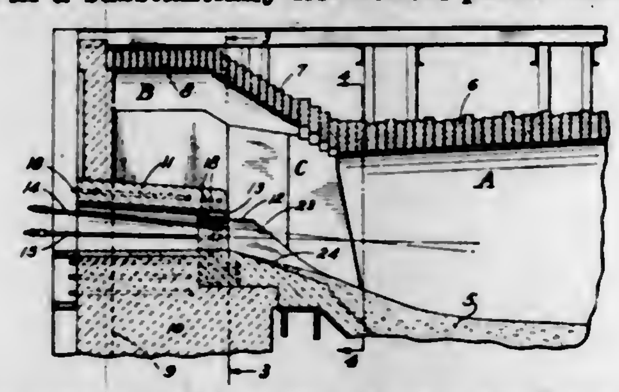


1. A continuous sterile water supply system, comprising, in combination, a collection tank, means for supplying sterile water to the collection tank, a primary storage tank at a higher elevation than the collection tank, a distribution line from which water is drawn for use at a lower elevation than the primary storage tank, means for pumping water from the collection tank through said distribution line to the primary storage tank, a secondary storage tank, an overflow from the primary storage tank to the secondary storage tank, a second distribution line through which water flows by gravity from the secondary storage tank, and means for heating the water initially entering one of said distribution lines.

2,417,951
METHOD OF OPERATING OPEN-HEARTH FURNACES

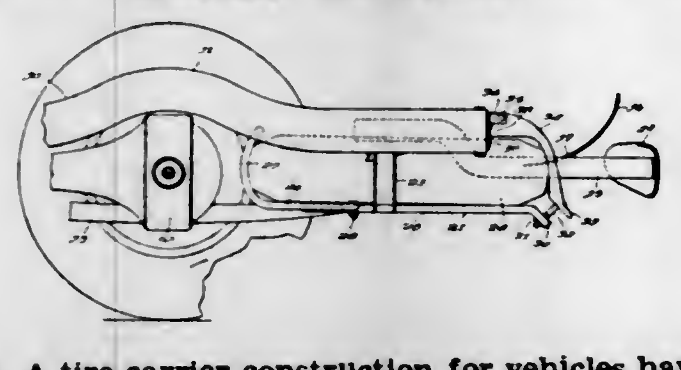
Elmer A. Schwartz, Shaker Heights, Ohio, assignor to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey
Application July 22, 1942, Serial No. 451,903
7 Claims. (Cl. 75—43)

1. The method of making steel in the melting chamber of an open hearth furnace which includes the steps of projecting streams of fluid fuel under pressure from a plurality of burners into one end of and longitudinally of, said chamber, flowing into said chamber a stream of air which substantially encircles said streams of fuel, directing one of said streams of fuel down onto the adjacent end of a steel making charge in said chamber and directing another of said streams of fuel in a substantially horizontal plane convergingly toward the first said stream and above the place of impingement of the first said stream on said charge.



2,417,952
TIRE CARRIER

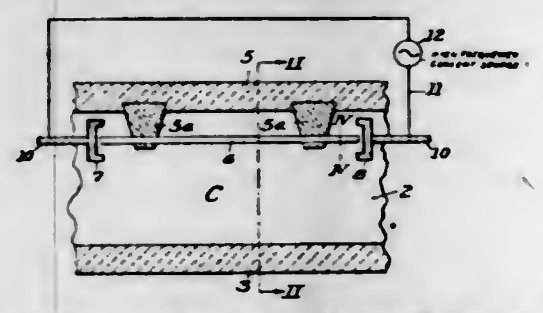
John Selzer and Samuel G. Johnson, Fort Wayne, Ind., assignors to International Harvester Company, a corporation of New Jersey
Application December 26, 1944, Serial No. 569,704
15 Claims. (Cl. 224—29)



1. A tire carrier construction for vehicles having a frame extending rearwardly of the vehicle, comprising a tire carrier frame structure including a U-shaped member, the legs of the U-shaped member extending vertically and being pivotally connected on a transverse horizontal axis to the vehicle frame, additional frome elements secured to said U-shaped member and including an adjustable forwardly extending member for supporting a tire and limiting movement of the tire to be carried in a forward direction and a rearwardly extending member providing a support for the tire and serving as one portion of a clamping means, and a clamping member movably connected to the vehicle frame and extending toward and for cooperation with the clamping means on the tire carrier frame structure.

2,417,953
HIGH TEMPERATURE ELECTRICALLY-HEATED FURNACE

Semon H. Stupakoff, Latrobe, Pa., assignor to Stupakoff Ceramic Manufacturing Co., Latrobe, Pa., a corporation of Pennsylvania
Application June 2, 1944, Serial No. 538,393
2 Claims. (Cl. 13—20)



1. An electric furnace designed to operate at very high temperatures in an oxidizing atmosphere, comprising an enclosure, a rod-like heating element supported therein comprising rare earth oxides and having a negative coefficient of electrical resistivity, a pair of terminals of high electrical conductivity each being in proximity to but spaced from different ends of said conductor, means for cooling said terminals, and a high frequency circuit connected across said terminals to pass a high frequency current throughout substantially the entire cross-sectional area of said heating element.

2,417,954
PREPARATION OF N-THIOAMINES

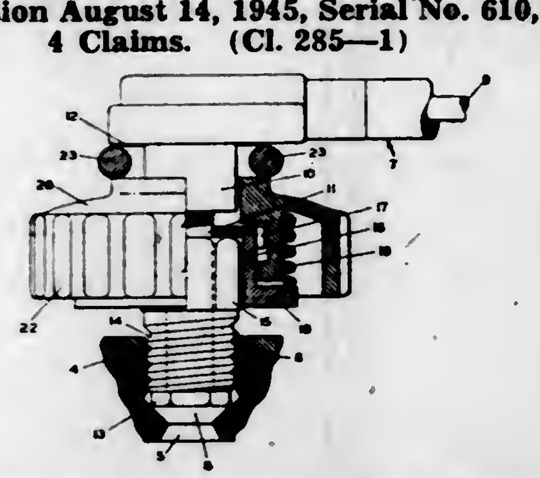
Arthur W. Sloan, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application September 15, 1944, Serial No. 554,339
4 Claims. (Cl. 260—583)

1. In the process of preparing an N-thioamine by reacting sulfur monochloride with a dialkyl amine in a water-immiscible organic solvent inert to the reactants, the steps which comprise maintaining a layer of said solution in contact with a 35 to 50% aqueous solution of an alkali metal hydroxide sufficient to react with all of the hydrogen chloride formed during the reaction, and agitating said layers during the course of the reaction without substantial mixing of the aqueous solution and the water-immiscible solution.

3. In the process of preparing N,N'-dithio bis diethyl amine by reacting sulfur monochloride with diethyl amine in benzene, the steps which comprise maintaining a layer of said benzene solution in contact with a layer of a 35 to 50% aqueous solution of an alkali metal hydroxide sufficient to react with all of the hydrogen chloride formed during the reaction, and agitating said layers during the course of the reaction without substantial mixing of the aqueous solution and the water-immiscible solution.

2,417,955
LOCKABLE PIPE CONNECTION

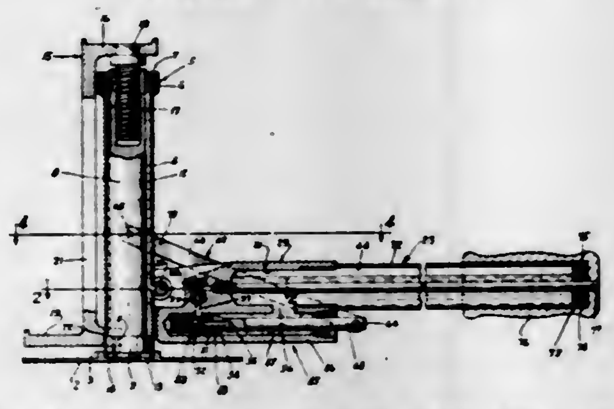
Theodore A. St. Clair and William R. Eddy, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
Application August 14, 1945, Serial No. 610,740
4 Claims. (Cl. 285—1)



1. A lockable pipe connection for engagement with a screw threaded opening in a body comprising in combination a pipe having an end adapted to be disposed in communication with said opening, said pipe having an intermediate portion of reduced area betwen upper and lower shoulders, a screw threaded sleeve mounted for rotation on said portion of reduced area, said screw threaded sleeve being adapted to screw into said screw threaded opening, said screw threaded sleeve having a non-circular portion, an externally splined sleeve non-rotatably en-

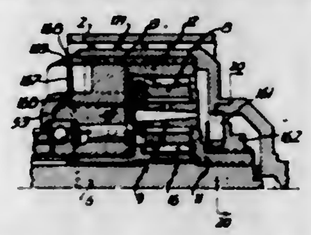
gaging said non-circular portion, an internally splined sleeve mounted on said externally splined sleeve to be movable longitudinally of its axis from a first position of splined connection with said externally splined sleeve to a second position of free rotation relative to said externally splined sleeve, spring means urging said internally splined sleeve into said first position, and a padlock having a shackle adapted to be disposed between said internally splined sleeve and the upper shoulder of said pipe and when so disposed to retain said internally splined sleeve in said second position, whereby when said shackle is so located said screw threaded sleeve cannot be rotated by said internally splined sleeve, but when said shackle is removed said internally splined sleeve and said screw threaded sleeve may be rotated together relative to said body.

2,417,956
HYDRAULIC JACK
Ernest Strom, St. Paul, Minn.
Application December 16, 1944, Serial No. 568,438
7 Claims. (Cl. 60—52)



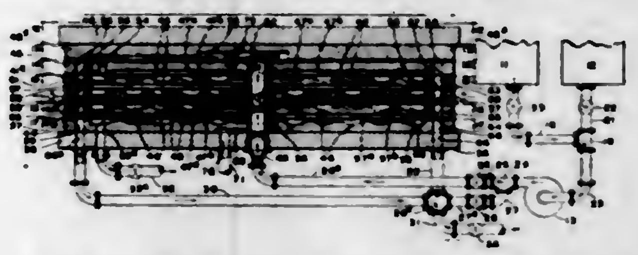
1. In an apparatus of the class described, a cylinder, a plunger or ram mounted therein and projecting from one end of the cylinder, an operating handle mounted for pivotal movement with respect to the cylinder, a fluid reservoir, a pump in the handle having fluid circulating connections with the cylinder and reservoir, said pump having a piston, and means connecting the pump piston with a fixed portion of the jack whereby oscillation of the handle relative to the cylinder will actuate the piston to pump fluid from the reservoir into the cylinder to project the ram from the cylinder.

2,417,957
PLANETARY TRANSMISSION
Robert S. Taylor, Seattle, Wash.
Original application September 2, 1939, Serial No. 293,214. Divided and this application November 20, 1943, Serial No. 511,133
3 Claims. (Cl. 74—290)



1. In a planetary gear system, an automatically operating fast action clutch interposed between parts of the system to lock the system together for unitary rotation, and a second automatically operating slow action clutch interposed between parts of the system to lock the system for unitary rotation in event of failure of said first named clutch, each of said clutches being operatively responsive to differences in rotational speed of the parts between which it is interposed.

2,417,958
APPARATUS FOR REDUCING THE FLUID CONTENT OF A FLUID-SOLID INTERMIXTURE
Harold A. Teale, Brooklyn, N. Y., assignor to Filter Media Corporation, Irvington-on-Hudson, N. Y., a corporation of New York
Application December 21, 1944, Serial No. 569,140
5 Claims. (Cl. 210—188)

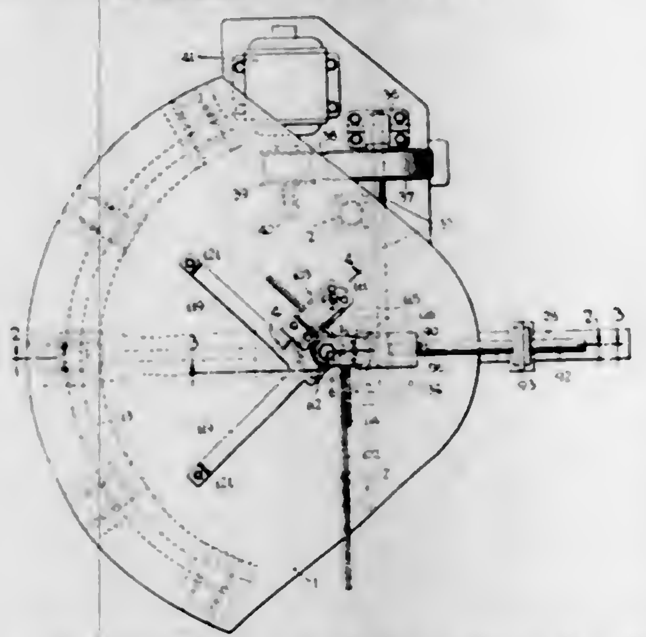


2. A slurry thickener unit comprising an upper plate formed at its underside with a filtrate chamber, a lower adjoining plate formed at its upper side with a slurry chamber, a filter medium interposed between said plates and separating the slurry chamber from the filtrate chamber, tie means for maintaining said plates and said filter medium in cooperative assembly, said upper plate having a filtrate outlet passage adapted to serve also as a wash-water inlet passage, said lower plate having a slurry receiving end and a slurry outlet passage at the opposite end whereby slurry passes horizontally from the one end to the other end of the chamber, a slurry feed conduit leading to said slurry receiving end, a discharge conduit for thickened slurry leading from said slurry outlet passage, each of said plates further having a wash-water passage opening, which openings register with each other to constitute a vertical wash-water discharge passage extending through and at right angles to the plates and the filter medium, said wash-water passage having a connection with said slurry chamber for receiving therefrom spent wash-water adapted to pass from the filtrate chamber through the filter medium into the slurry chamber, a wash-water disposal conduit leading from the lower end of said vertical wash-water discharge passage, an internal feed conduit portion extending within and along said wash-water passage, slurry supply conduit means leading to the lower portion of said slurry feed conduit portion, slurry transfer conduit means leading from the upper portion of the internal feed conduit portion to the inlet of said slurry chamber, said internal feed conduit portion being of a non-rigid material rendering it distendable as well as collapsible, said internal feed conduit portion being distended by said feed slurry being passed therethrough and being collapsed when the flow of feed slurry therethrough has been stopped and wash-water is being fed into the filtrate chambers by way of said filtrate passage and in a direction reverse to the preceding flow of filtrate, the spent wash water thus being allowed to pass through said vertical wash-water discharge passage and said wash-water disposal conduit.

2,417,959
MANUFACTURE OF CAST PHENOLIC RESIN
Charles S. Webber, Loudonville, N. Y., and Stewart B. Luce and Frederick M. Murdock, Springfield, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Original application March 31, 1939, Serial No. 265,344. Divided and this application April 6, 1943, Serial No. 481,996
18 Claims. (Cl. 260—57)

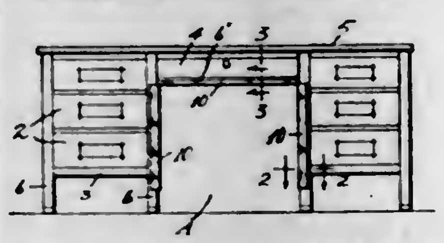
13. A cast phenol formaldehyde resin, prepared by reacting substantially 1 molecular proportion of phenol with a large excess over 1 molecular proportion of formaldehyde under alkaline conditions, acidifying the liquid reaction mixture, adding phenol reacted with formaldehyde to form a resin of the Novolak type in the proportion of 20 parts of Novolak for every 100 parts of phenol in the original reaction mixture, pouring into a mold and hardening by heating.

2,417,960
BENT CORRUGATED WEB AND METHOD AND MEANS FOR MAKING SAME
William A. Weightman, Philadelphia, Pa., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Original application March 31, 1939, Serial No. 265,161, now Patent No. 2,350,379, dated June 6, 1944. Divided and this application August 13, 1943, Serial No. 498,508
4 Claims. (Cl. 153—46)



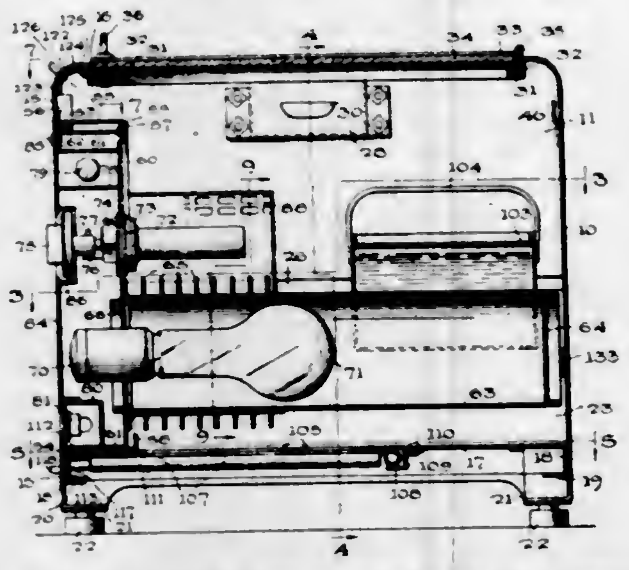
1. The process of bending corrugated metal which consists in applying companion bending tools, substantially fitting the corrugations, on opposite sides of the corrugated metal, and producing relative bending motion between the metal and the tools, while simultaneously forming additional corrugations of relatively small amplitude in the metal at the innermost parts on the inside of the bend, to accommodate the excess metal and thus prevent injury and warping.

2,417,961
CLOTHING GUARD FOR OFFICE FURNITURE
Max R. Wiley, Wichita, Kans.
Application February 12, 1945, Serial No. 577,373
2 Claims. (Cl. 45—137)



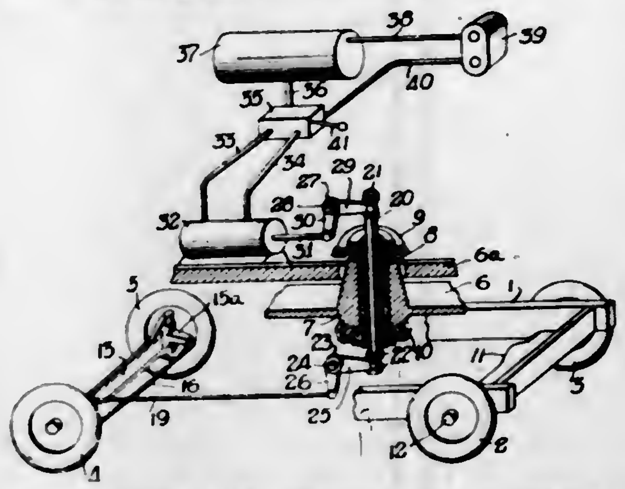
2. In a clothing guard for a desk as an article of manufacture, a covering for the exposed edges of a desk structure, the covering being made from plastic material comprising a channel-like element, the channel consisting of a web and legs integrally joined to the web, the legs extending to the same side of the web with some convergence, the outer edge of one leg terminating at right angles to its sides, the other leg sloping for a portion of its width on its outer surface toward its terminal edge and extending from thence inward to the other side of the leg, the said channel-like element to straddle exposed corners of a desk structure and be frictionally retained thereon.

2,417,962
PORTABLE BABY INCUBATOR
Gordon Armstrong, Cleveland, Ohio
Application April 17, 1944, Serial No. 531,476
16 Claims. (Cl. 128—1)



1. A baby incubator comprising the combination of a housing having front and rear walls and a partition wall extending from front to rear and dividing the housing into a treating compartment and a heating compartment at one end of the treating compartment, an imperforate heating tube mounted in said heating compartment and extending fore and aft therein, means for sealing the interior of said tube from the interior of said heating compartment, an electric lamp mounted within the front portion of said tube, and a water receptacle mounted on the rear portion of said tube.

2,417,963
STEERING MECHANISM FOR PORTABLE HOISTS AND EXCAVATORS
Edgar W. Barnhart, Marion, Ohio, assignor to The General Excavator Company, Marion, Ohio, a corporation of Ohio
Application September 28, 1943, Serial No. 504,198
18 Claims. (Cl. 180—79.2)



3. In a steering mechanism for a wheeled chassis of a portable hoist or excavator; a chassis element having a pivoted forward wheel assembly with which to steer said hoist; a pressure fluid motor to shift said assembly; a deck element rotatable relative to said chassis; a journal rotatably supporting said deck on said chassis; said motor mounted on said deck; a shaft concen-

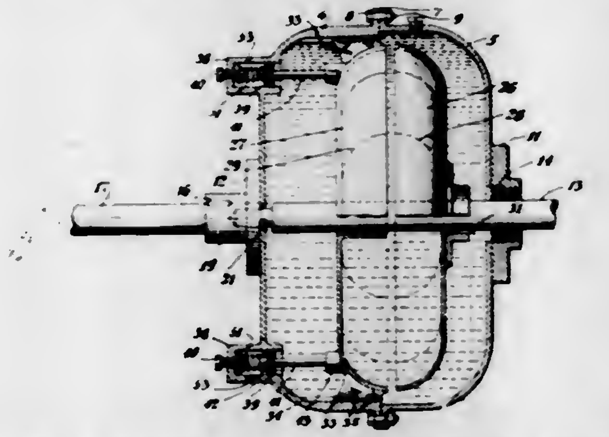
trically disposed in said journal; a source of pressure fluid for said motor operable from a prime mover; rod means to transmit force ultimately applied to said wheel assembly concentrically disposed in said shaft; means connecting said rod means and said motor to enable said motor to move said rod means axially of said shaft; and means to control said force disposed above said deck, said means controllable in any rotative position of said deck.

2,417,964
ROTARY HYDRAULIC CLUTCH

John S. Becker, Rochelle Park, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application November 23, 1942, Serial No. 466,640

3 Claims. (Cl. 60—54)



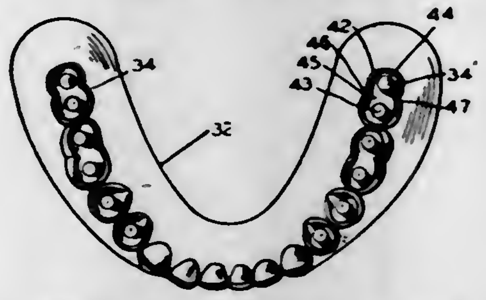
3. In a hydraulic transmission, a housing, a driving impeller member mounted in said housing, a driven rotor member mounted in said housing, fluid pressure responsive means carried by said housing to maintain said driven rotor member in rotation at substantially constant speed, said means comprising piston means or the like disposed within the circumferential confines of said housing and exposed to and movable by the pressure developed in said housing, means for connecting said piston means to said rotor member to impart movement of the piston means to said rotor member, and means connecting the latter to said housing for longitudinal movement relative to said housing.

2,417,965
ARTIFICIAL TOOTH

Morris Beresin, Philadelphia, Pa.

Application May 18, 1942, Serial No. 443,447

5 Claims. (Cl. 32—8)



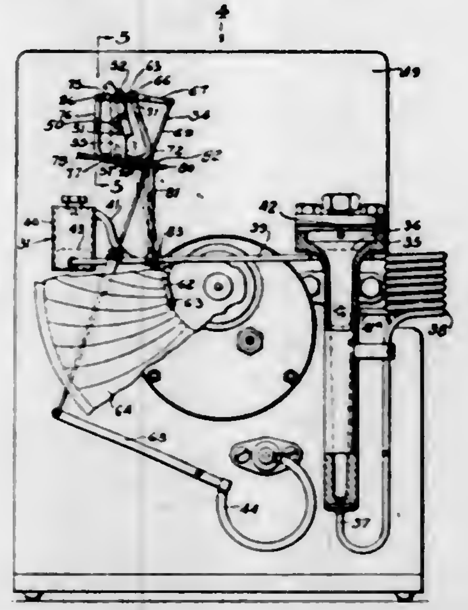
1. An artificial posterior tooth, the occlusal portion of said tooth being provided with a peripheral rim, an internal cusp and a protuberance, said cusp and protuberance being separated from each other and from said rim by a channel, the upper surface of both the peripheral rim and the internal cusp being on the surface of a sphere both buccolingually and mesiodistally and said protuberance extending beyond the surface of said sphere.

2,417,966
INTEGRATING LINKAGE

George S. Binckley, deceased, late of Los Angeles, Calif., by Sydney William Binckley, executor, Los Angeles, Calif.

Original application April 1, 1941, Serial No. 386,229. Divided and this application November 18, 1944, Serial No. 564,134

7 Claims. (Cl. 74—1)



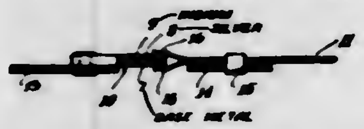
1. A mechanical movement for integrating two variables, including a first rotatable and a second shaft, a yoke secured to the first shaft, an arcuate cam carried by said yoke, an arm fixed to the second shaft, a cam follower for movement on the arcuate cam, a link between said arm and said cam follower, a third shaft, an arm fixed thereto, and a link between said last named arm and said cam follower, rotation of said third shaft to one position placing the cam follower on the axis of the first shaft, rotation of the first shaft positioning the cam whereby movement of the third shaft produces no rotation of the second shaft as the cam follower moves relative to the cam.

2,417,967
CONTACT ELEMENT

James M. Booe, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware

Application February 23, 1944, Serial No. 523,547

4 Claims. (Cl. 200—166)



1. A sliding contact having a contacting portion of substantially pure silver with a thin coating of indium thereon, said coating of indium having a thickness of about 5 to about 20 microinches and being substantially free from silver on at least the exposed surface thereof.

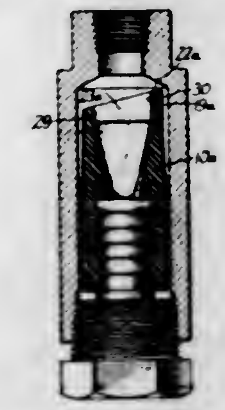
2,417,968
CHECK VALVE

Lindsay H. Browne, Westport, Conn., assignor to American Brake Shoe Company, a corporation of Delaware

Application January 6, 1944, Serial No. 517,162

3 Claims. (Cl. 251—122)

1. In a check valve, a body formed of moulded rubber-like material having steps in an interior bore extending inwardly from one end thereof and adapted to receive a correspondingly stepped fitting, the opposite end of said body converging to form an apex, an interior cavity formed in said body and having one end communicating with said bore and the opposite end closed by the apex end of said body to form a barrier, a pair of normally cooperating seating faces formed by a cut extending through said barrier on a plane lying on the longitudinal axis of said body, the outer surface of said apex lying on a plane forming an angle of substantially less than ninety degrees with said first mentioned plane.

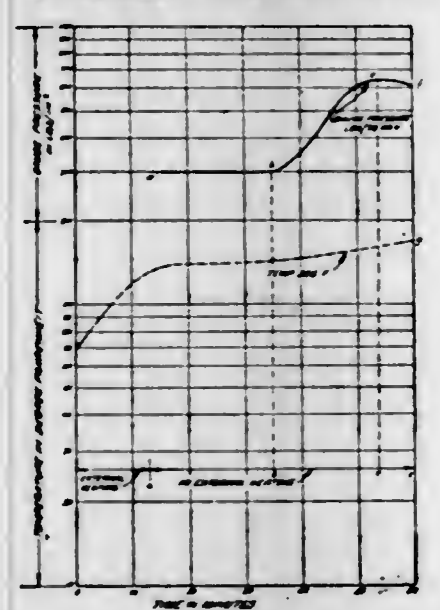


2,417,969
DISSOCIATED STARCH AND METHOD OF MAKING THE SAME

George V. Caesar, Staten Island, N. Y., and Thomas D. Thompson, North Branch, N. J., assignors to Stein, Hall & Company, Inc., New York, N. Y., a corporation of New York

Application December 15, 1941, Serial No. 423,046

9 Claims. (Cl. 127—32)



1. A method of treating starch comprising forming a slurry of raw starch having a concentration of about 5 to 30% solids, repeatedly pumping the slurry under pressure through a restricted orifice to heat the slurry to a gelatinizing temperature as the starch is subjected to attrition in passing through the orifice.

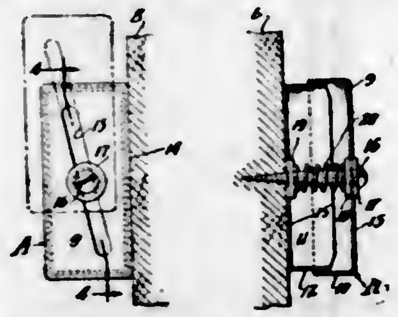
2,417,970
ANTIRATTLE DEVICE FOR WINDOW SASH

Francis W. Comber, Philadelphia, Pa.

Application February 27, 1946, Serial No. 650,526

4 Claims. (Cl. 292—342)

1. An anti-rattle device for windows comprising a member for mounting on a window frame and having an edge adapted to engage the window sash, a slot in said member disposed in sloping relation to said edge, a pin extending through the slot and adapted to be secured to the window frame, said pin having means slidably engaging said member, and resilient means urging said member into frictional engagement with the window frame whereby said member will be automatically held in any position of adjustment.

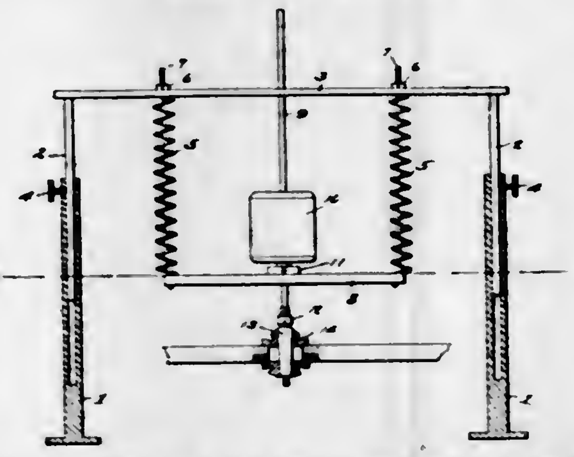


2,417,971
MEANS FOR GRINDING VALVES

Lide Crocker Culp, El Dorado, Ark.

Application October 30, 1945, Serial No. 625,559

1 Claim. (Cl. 51—28)



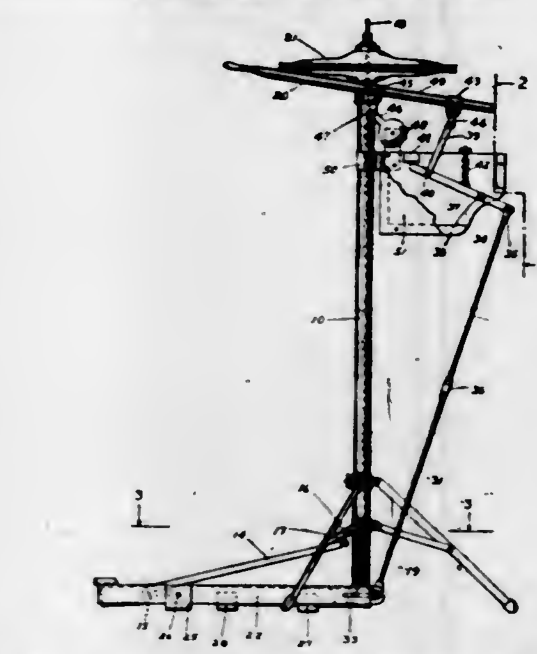
Valve grinding apparatus including a fixedly supported valve, a plug mounted for rotation therein, spring means for supporting the plug within the casing in light contact with the wall of the casing and for free natural vibration axially of the plug, and means for rotating the plug in the casing while yieldingly supported, thereby to set up the natural vibration during the rotation of the plug.

2,417,972
CYMBAL BEATING DEVICE

James M. D'Arcy, Brooklyn, N. Y.

Application December 7, 1944, Serial No. 567,030

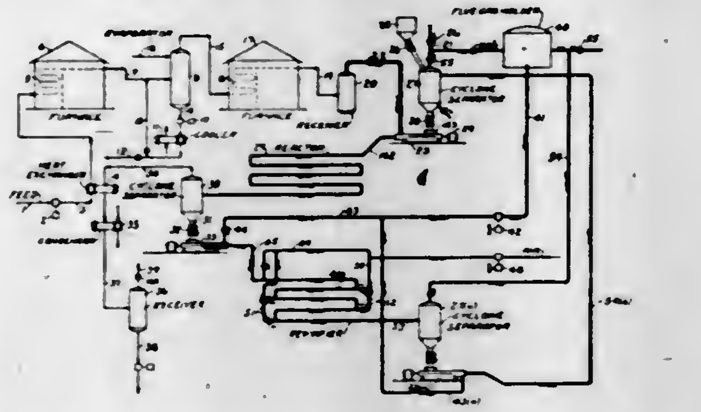
6 Claims. (Cl. 84—422)



1. In a cymbal beating device of the character described, having a stick and two cymbals,

a pivoted heel plate for causing said stick to strike one of said cymbals, spring means for automatically returning said stick to its original position and a sole and heel rest for controlling the movement of the other of said cymbals.

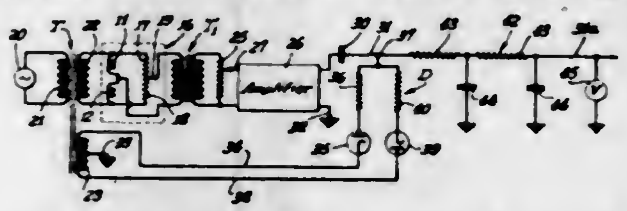
2,417,973
PROCESS FOR THE CATALYTIC CONVERSION OF HYDROCARBON OILS
William J. Degnen, Westfield, N. J., assignor to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware
Application January 28, 1941, Serial No. 376,316
12 Claims. (Cl. 196—52)



1. In a continuous process of catalytically converting hydrocarbons which comprises forming a dispersion of finely divided catalyst particles in vapors of the hydrocarbons undergoing conversion, passing the dispersion through a conversion zone under reaction conditions suitable for the desired conversion, separating the vaporous conversion products from the dispersed used catalyst, dispersing the used catalyst in a stream of oxygen-containing gas, passing the dispersion thus produced through a regeneration zone thereby removing by combustion carbonaceous deposit therefrom, and continually utilizing said regenerated catalyst to form said first named dispersion, the improvement which consists in forming the dispersion of the regenerated catalytic particles in the hydrocarbon vapors and introducing the dispersion into the conversion zone by a procedure involving continuously introducing the finely divided regenerated catalyst while still hot to a conduit communicating with the reaction zone, applying pressure to compact the material in said conduit and form a seal to prevent the passage of gases between the regeneration and conversion zones, introducing a reactant gas under pressure at a point beyond the zone of formation of the seal to increase the mobility of the catalyst, and by the pressure so applied and by the gas thus introduced conveying the catalyst material into the conversion zone at a point substantially distant from the point of exit of said hydrocarbons undergoing conversion.

2,417,974
DEMODULATOR CIRCUIT
George W. Downs, Pasadena, and Dunford A. Kelly, Los Angeles, Calif., assignors to William Miller Corporation, Pasadena, Calif., a corporation of California
Application September 28, 1942, Serial No. 459,910
4 Claims. (Cl. 250—27)

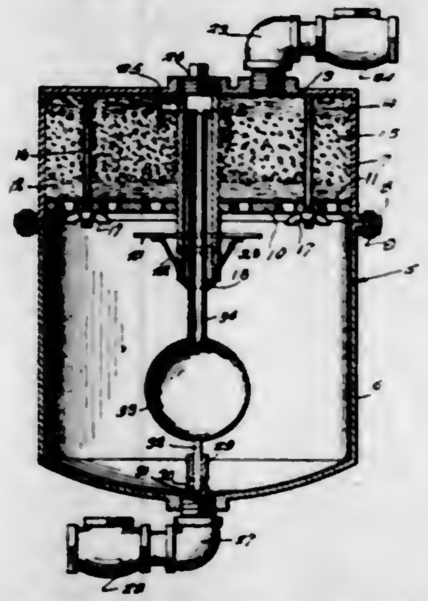
1. A demodulator circuit across which a modulated carrier frequency voltage wave is impressed, a transformer having a primary winding across which an unmodulated carrier frequency voltage is impressed and having a center tapped secondary winding, electrical conductor means between the center tap of said secondary winding and one side of said circuit on which said modulated wave is impressed, electrical conductors between the ends of said secondary winding and the other side of the last-mentioned circuit, and half-wave rectifier means in said conductors permitting current flow in one of the conductors in a direction away from said secondary winding and in the other of the conductors toward said secondary winding.



2,417,975
COMPOSITION CONTAINING ALKALINE LATEX AND RESORCINOL-FORMALDEHYDE-AMINE-RESIN
Earle S. Ebers, Nutley, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application November 8, 1941, Serial No. 418,329
10 Claims. (Cl. 260—3)

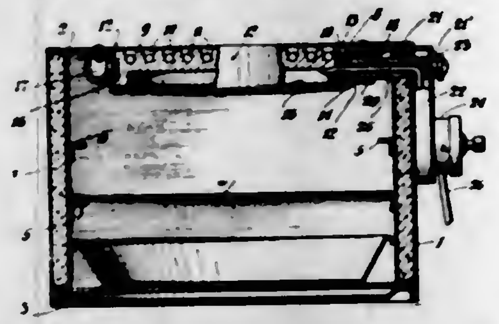
5. The process which comprises reacting in an aqueous medium as the sole reacting ingredients, resorcinol, formaldehyde and an amine selected from the group consisting of monomethylamine, monoethylamine, di-methylamine, diethylamine, n-propylamine, iso-propylamine, di-n-propylamine, and di-iso-propylamine, 1 to 5 mols of formaldehyde and 0.65 to 5 mols of amine being present for each mol of resorcinol, and at least 0.65 mols of amine being present for each mol of formaldehyde not in excess of 2, to form an alkaline aqueous solution of a potentially reactive resin, and mixing said resin while in such dissolved state with alkaline latex.

2,417,976
FLOAT VALVE FOR AIR FILTERS
Godfrey Franklin, Vallejo, Calif.
Application July 29, 1944, Serial No. 547,156
1 Claim. (Cl. 137—68)



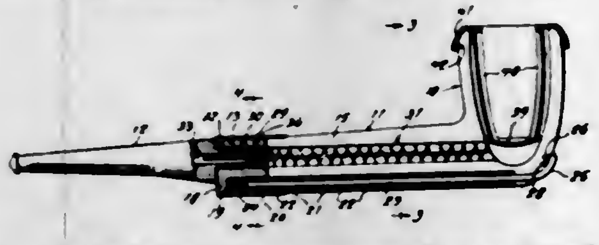
A tank adapted to collect moisture in the bottom thereof, a drain pipe in the bottom of the tank, a valve controlling said drain pipe, a float connected to the valve for operating the latter, said float being hollow, a hollow stem rising from the float, a tube extending downwardly in the tank forming a guide for the stem, said stem being spaced from the walls of the tube and open at its top to admit air from the tank into the float, and an adjustable stop in the tube for the stem to limit opening movement of the valve, said stop closing the upper end of the tube and being removable to open said end of the tube to the atmosphere.

2,417,977
COOK STOVE AND RANGE
Jeannette French, Kew Gardens, N. Y.
Application March 4, 1943, Serial No. 477,904
5 Claims. (Cl. 219—35)



1. In a stove, an oven having four side walls, a top wall and a bottom wall, a circular opening formed in the top wall thereof, a heating unit positioned in said opening and having diametrically opposite stud shafts journaled in spaced supports extending downwardly into the interior of said oven from said top wall, leaving the exterior surface of said top wall substantially flat, one of said shafts extending laterally through one of said walls, said heating unit having a heating element in one face thereof; means carried on said last shaft for rotating said heating unit from a position where the heating element faces the inside of said oven, to a second position, where said heating element faces upwardly, and means in at least one of said side walls giving access to the interior of said oven.

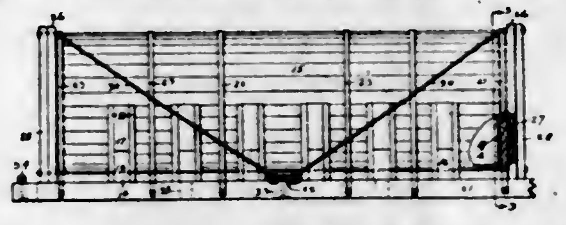
2,417,978
SMOKING PIPE
Aaron Geiger, Brooklyn, N. Y.
Application July 21, 1943, Serial No. 495,552
3 Claims. (Cl. 131—184)



1. In a smoking pipe comprising a bowl and shank portion and a removable bit portion, said bowl and shank portion being formed into two complementary half-sections, complementary hinge ears extending from said sections on the undersides thereof, a removable rod normally passing through said complementary hinge ears joining said sections in pivotal relationship, the forward end of said rod being curved upward, said bowl having a recess therein, and said forward end of said rod having a projection engageable in said recess.

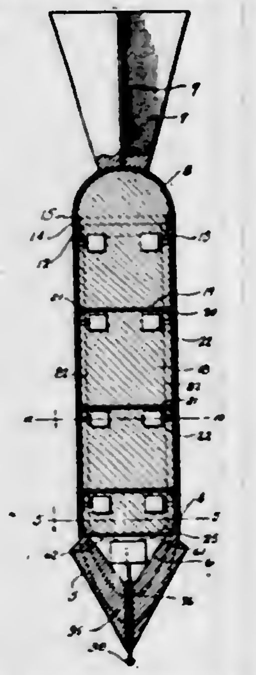
2,417,979
METAL-LINED PORTABLE WOODEN TANK
Roy E. Gilmore, Portland, Oreg.
Application April 26, 1943, Serial No. 484,593
2 Claims. (Cl. 220—1.5)

1. A tank of the class described consisting of a horizontal cylindrical shell of light gage metal, a wooden casing surrounding the cylindrical portion of said shell, cradles disposed along the length of said casing adapted to maintain the lower portion thereof in a semi-cylindrical form,



a head disposed across each end of said casing extending partially into said casing and contacting the end thereof, skids for supporting said shell and heads and truss rods between said heads and intermediate portions of said skids.

2,417,980
DEMOLITION BOMB
Worth C. Goss, Seattle, Wash.
Application October 19, 1942, Serial No. 462,490
2 Claims. (Cl. 102—2)

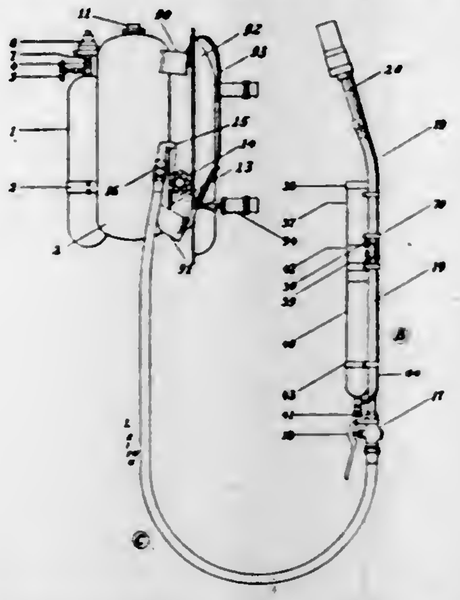


1. A demolition bomb comprising a hollow metallic casing capable of withstanding considerable internal pressure, a detonatable material substantially filling the casing, a plurality of detonating units embedded in said material at uniform intervals of spacing throughout the length of the casing; each of said units including a block of highly explosive material, a detonating cap in the block, and a heater wire for the cap adapted to be exploded by electrical impulse, a storage battery in the casing, a condenser having an electrical connection with said battery to receive its charge, a normally open switch in the connection, an electric circuit joining the heater wires of all units in a normally open series circuit, and a switch in the circuit adapted to be closed by impact of the bomb with an object.

2,417,981
PORTABLE FLAME THROWER
Warren C. Graham, New York, N. Y., assignor to First Bank and Trust Company, Perth Amboy, N. J., and Reconstruction Finance Corporation, New York, N. Y., a corporation of the United States
Application February 26, 1942, Serial No. 432,443
8 Claims. (Cl. 158—28)

1. A flame gun, particularly for use in a portable flame thrower, comprising in combination, a flame gun barrel, a nozzle for discharging a

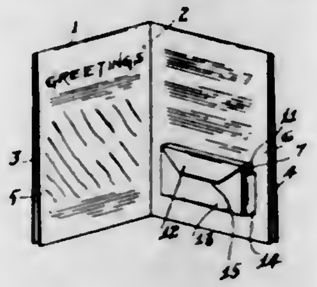
stream of fuel under pressure secured to the end of said barrel, an ignition gas system including a gas chamber surrounding said nozzle and a pilot chamber communicating with said gas chamber, and an electric spark ignition system operatively associated with said pilot chamber.



2,417,982

GREETING CARD

George B. Histed, Rochester, N. Y.
Application June 19, 1944, Serial No. 540,939
4 Claims. (Cl. 229—92.8)



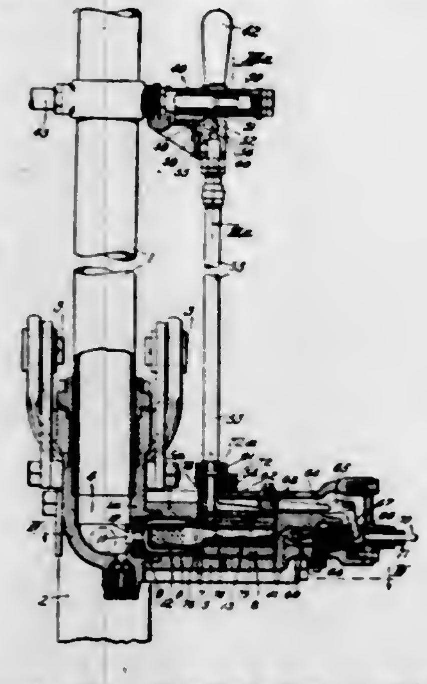
1. In a greeting card for multiple use, a card proper bearing the message of greeting, a plurality of smaller personal cards to be signed separately by the successive senders of the greeting, and a means for holding said signature cards to the card proper and in stacked relation, comprising two overlapping flaps having hinged connection to the card proper, one of said flaps having a slit therein, and a tab on the other of said flaps for lockingly engaging in said slit.

2,417,983

ORDNANCE

Arthur Trevena Holman, Chyverton, near Truro, England, and Thomas Thomson, Kilmarnock, Scotland
Application May 19, 1943, Serial No. 487,650
In Great Britain May 16, 1941
8 Claims. (Cl. 89—1)

2. Ordnance for discharging projectiles comprising a barrel, a combustion chamber permanently communicating through a restricted opening with the barrel at a position below that at which the projectile to be discharged is introduced into the barrel, a breech part slidable relative to the combustion chamber, a cartridge receiving breech in said breech part, a cylinder fixedly mounted with respect to said breech part, a piston in said cylinder for moving said breech part in one direction, a passage for conducting a proportion of the combustion gases generated by the firing of the cartridge to the cylinder for operating upon said piston to move the breech part from firing position to cartridge ejecting position, a spring actuated ejector aligned with said breech part in cartridge ejecting position and entering the same to eject the spent cartridge and to retain said breech part in such ejecting position, means operable to insert a loaded cartridge into the breech thereby retracting said ejector and releasing said breech part, and a spring for returning the loaded breech part into firing position.

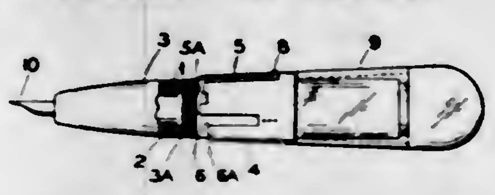


4. Ordnance for discharging projectiles by means of a propellant charge of constant burning surface smokeless powder, comprising a barrel, a combustion chamber constituted by a cartridge chamber portion leading to an aligned combustion chamber continuation of a larger diameter, which combustion chamber continuation terminates in a restricted opening leading directly into the barrel at a position beneath the projectile to be discharged, a venting filter located in the combustion chamber continuation so as to be interposed between the cartridge chamber and the restricted opening, and a firing mechanism, the cartridge chamber, combustion chamber continuation filter, and firing means all being in alignment at the firing position.

2,417,984

RETRACTILE MARKING IMPLEMENT

Joseph F. Kingsley, Burbank, Calif., assignor to Nadejda V. Andrews, Los Angeles, Calif.
Application March 22, 1944, Serial No. 527,655
3 Claims. (Cl. 120—49)



1. In a stylus-like retractile marking implement with slidable and rotary cap and a shut-off mechanism automatically engaged when the instrument is closed, and engaged or disengaged, dependent upon different settings of said cap in relation to the barrel, when the instrument is open, a protrusion device with slot apparatus by which device the instrument may be adjusted and kept in a desired setting, and comprising a plurality of parallel slots lengthwise with the instrument and in a slidable and turnable housing, which slots are individually engageable against a protuberance in a cooperating housing, whereby the rotary and slidable parts are held in different and set positions dependent upon circumferential location and depth of the engaged slot.

2,417,985

N,N'-DIBENZYLIDENE-ETHYLENE-DIAMINE AS ARACHNICIDES

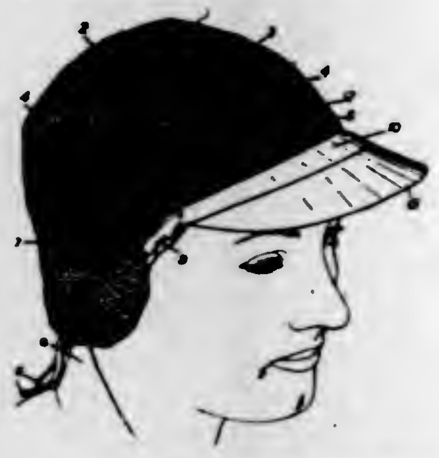
Elbert C. Ladd, Passaic, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application June 28, 1944, Serial No. 542,612
6 Claims. (Cl. 167—30)

1. An arachnicidal preparation comprising an aqueous suspension of N,N'-dibenzylidene-ethylenediamine containing a dispersing agent.

2,417,986

CAP FOR WEAR

Estella Phillips Marder, Nottingham, and William N. Green, West Bridgford, Nottingham, England, assignors to Byard Manufacturing Company, Limited, Nottingham, England
Application April 29, 1944, Serial No. 533,306
In Great Britain August 12, 1943
6 Claims. (Cl. 2—198)



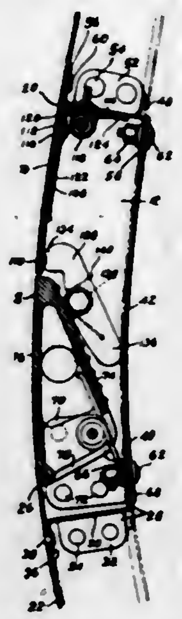
1. A cap comprising a substantially circular piece of fabric forming the crown piece of said cap and adapted to cover the crown of the wearer's head, a peak, a separate substantially strip-shaped piece of fabric adapted to form the side parts of said cap and to encompass the wearer's head around the crown of the same, said strip-shaped piece of fabric extending from the edge of said circular piece of fabric forming the crown piece of said cap at the front thereof to said peak, at the sides at least partly over the wearer's ears and at the rear down to the nape of the wearer's neck in the form of a pouch-like snood, said strip-shaped piece of fabric being firmly sewn all along its upper edge to said circular piece of fabric and at its lower front edge to said peak, and draw strings extending from each end of said peak to said nape for securing said cap in position and encompassing the hair of the wearer.

2,417,987

FOLDABLE STEP

Donald L. McFarland, Milford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application November 16, 1944, Serial No. 563,775
11 Claims. (Cl. 244—129)

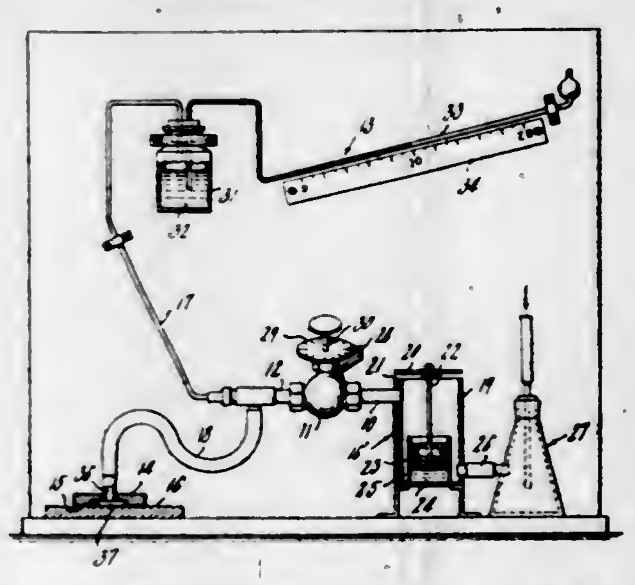
1. In a streamlined body having a step-opening in a side thereof, a step pivotally mounted in said opening adjacent the lower margin thereof and swingable between a concealed position within said body in which it forms a flush closure for a lower portion of said opening and an operative position in which it extends laterally therefrom, means for biasing said step into concealed position, a door pivotally mounted adjacent the upper margin of said opening forming a closure for an upper portion of said opening and swingable into said body, means for biasing said door into a position in which it is flush with the surface of said body and means responsive to inward pivotal movement of said door for moving said step toward its operative position.



2,417,988

APPARATUS FOR MEASURING SURFACE ROUGHNESS

Melvin Mooney, Lake Hiawatha, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application June 30, 1945, Serial No. 602,497
4 Claims. (Cl. 73—37)



1. A rugosimeter comprising a conduit, a contact plate, a continuously adjustable aerodynamic resistance within the conduit, means for supplying gas at superatmospheric pressure to the inlet of the conduit, the outlet of the conduit being connected to the contact plate adapted to be maintained in contact with the surface to be tested in such a way that the gas in escaping from the conduit must pass between the smooth surface of said plate and the surface to be tested, means for indicating the relative resistance value of said adjustable aerodynamic resistance, and means for comparing the gas pressure drop across said aerodynamic resistance with the gas pressure drop across the test sample.

2,417,989
MANUFACTURE OF SULFENAMIDES

Ralph G. D. Moore, Dedham, and Janet K. Sanford, Wellesley, Mass., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application April 1, 1944, Serial No. 529,168

8 Claims. (Cl. 260—306.6)

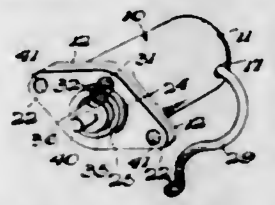
2. A process of producing an N-substituted aryl thiazyl sulfenamide by oxidative condensation between a water-soluble mercaptide of a 2-aryl thiazole, and an amine having at least one replaceable hydrogen atom, and being stronger than ammonia, which comprises substantially simultaneously and separately adding an aqueous solution of the mercaptide, and an aqueous solution of an oxidizing agent, to an aqueous solution comprising a salt of the amine, and subsequently recovering the desired sulfenamide.

2,417,990
SOLENOID

Romeo M. Nardone, Teaneck, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware

Application September 7, 1944, Serial No. 553,069

2 Claims. (Cl. 175—341)



1. In a solenoid construction, a hollow casing open at one end and closed at the other by an end wall; a plug of magnetic material axially disposed within said casing and having one end secured to said end wall; a unitary coil assembly disposed within said casing, including a closure plate at the open end of said casing, said plate having a central opening in axial alignment with said plug; a sleeve of non-magnetic material axially disposed within said coil assembly, said sleeve having one end projecting into the central opening and secured to said closure plate while its other end is removably mounted on the free end of said plug to effect relative centralization, said plug and sleeve being formed relatively to provide an air seal between the engaging portions; an energizing coil mounted on said sleeve; a collar fixed to the inner end of said sleeve and coacting with said closure plate to maintain said coil therebetween against axial displacement, said collar engaging said casing to establish a ground connection between said coil and casing; a plunger of magnetic material slidably mounted in the other end of said sleeve and movable towards said plug when said assembly is rendered effective; and a spring interposed between said plug and plunger for urging the latter away from said plug when said assembly is rendered ineffective and to thus provide an air chamber therebetween, said plunger and sleeve being formed relatively of such diameters as to decelerate the flow of air therebetween for cushioning vibratory reciprocations of said plunger when said coil assembly is rendered ineffective.

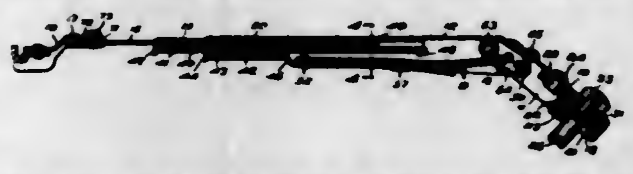
2,417,991
WINDSHIELD WIPER ARM

Israel Nesson, Swampscott, Mass., assignor to Max Zaiger, Swampscott, Mass.

Application December 10, 1943, Serial No. 513,697

6 Claims. (Cl. 287—53)

1. In a windshield wiper arm, a shaft coupling comprising a socket, a bushing fitting within the socket, the opposed surfaces of the socket and bushing having interfitting portions preventing relative rotation therebetween while permitting longitudinal movement of the bushing in the socket, and locking means having a finger angularly movable into position at the end of the socket to limit said longitudinal movement and prevent removal of the bushing from the socket.



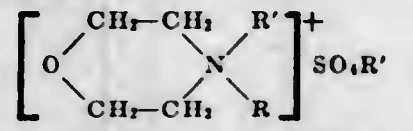
2,417,992
N,N-DIALKYL MORPHOLINIUM ALKYL-SULFATES

Joseph B. Niederl, Victor Niederl, and Martin E. McGreal, Brooklyn, N. Y.

No Drawing. Application April 14, 1942, Serial No. 438,896

4 Claims. (Cl. 260—247)

1. A neutral, water-soluble, capillary-active, and substantially acid- and alkali-stable disinfecting N,N-dialkyl morpholinium alkyl sulfate having the formula



$$\left[O\begin{matrix}\diagup CH_2-CH_2\diagdown \\ \diagdown CH_2-CH_2\diagup\end{matrix}N\begin{matrix}R' \\ R\end{matrix}\right]^{+}SO_4R'$$

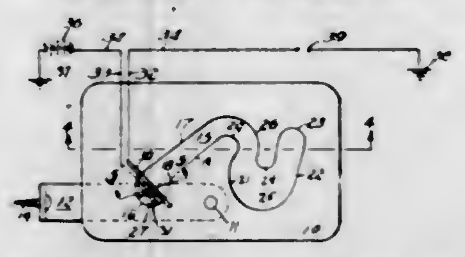
wherein R is an unsubstituted straight chain alkyl hydrocarbon radical of from 12–18 carbon atoms and R′ is an alkyl chain consisting of a continuous saturated aliphatic hydrocarbon chain of from 1–2 carbon atoms.

2,417,993
IMPACT SWITCH

Robert D. Porter, Klamath Falls, Oreg.

Application October 23, 1943, Serial No. 507,405

3 Claims. (Cl. 200—52)



1. An impact switch consisting of a tiltable body of insulating material having a pivotal support for frictionally holding said body in a normally horizontal circuit closing position, said body having a sealed tortuous channel formed therein including two downwardly extending pockets, said channel having an inclined channel extending upwardly from the first pocket toward the second pocket, said inclined channel extending from its upper end downwardly into the second pocket, said second pocket having a tip projecting downwardly thereinto below the top of said inclined channel, a pair of electrodes mounted in the first pocket, and a quantity of mercury normally connecting said electrodes.

2,417,994
VALVE

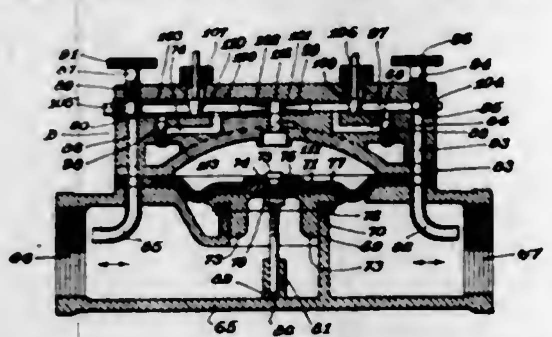
Herman E. Sheets, St. Paul, Minn., assignor to St. Paul Foundry Company, St. Paul, Minn., a corporation of Minnesota

Application September 14, 1942, Serial No. 458,198

3 Claims. (Cl. 137—139)

1. A valve comprising a valve body through which fluid may flow, a valve seat between the

ends of said body, a valve member engageable against said seat and having one side only thereof exposed to the static and dynamic forces of said fluid flow, a pressure chamber to which the other side of said valve member is exposed for controlling the movement of said valve member, an ejector connected to said pressure chamber to control the pressure therein, a pilot valve on each side of said ejector, a by-pass around each said pilot valve, and a check valve in each said by-pass.



2,417,995
ACETYLATION OF LIGNOCELLULOSIC BOARD MATERIALS

Alfred J. Stamm and Harold Tarkow, Madison, Wis., assignors to United States of America, as represented by the Secretary of Agriculture

No Drawing. Application November 14, 1944, Serial No. 563.418

9 Claims. (Cl. 117—118)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

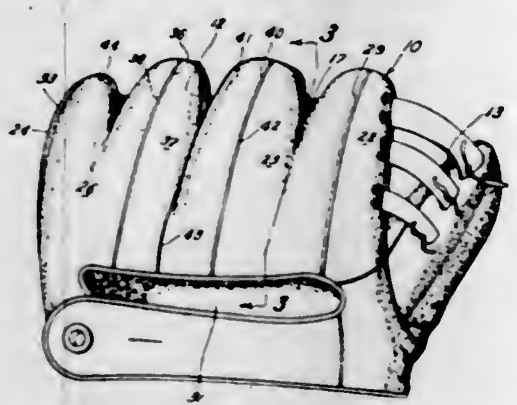
1. A vapor-phase process of partially acetylating lignocellulosic board materials so as to impart to said lignocellulosic materials a high degree of dimensional stability without breaking down the physical structure, comprising impregnating lignocellulosic board materials having a moisture content of about 2%, with the vapor from a substantially moisture-free liquid acetylating medium containing acetic anhydride substantially free from acetic acid, at a temperature range of about from 140° F. to 230° F. until the board material has increased in weight by about from 15 to 25 percent of the weight of the original board material due to the acetylation.

2,417,996
BASEBALL GLOVE

Benjamin B. Stobbe, Ada, Ohio, assignor to Ohio-Kentucky Manufacturing Company, Ada, Ohio, a corporation of Ohio

Application April 17, 1945, Serial No. 588,860

3 Claims. (Cl. 2—19)



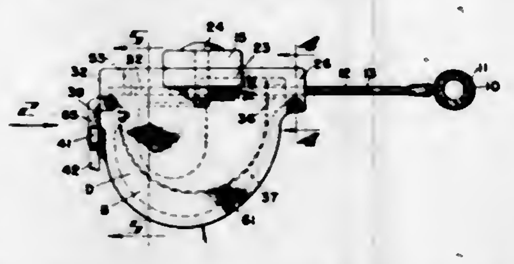
1. In a baseball glove for protecting a player's hand, the combination of an outer casing having an integral palm section and a composite back, said palm section having finger portions and side extensions, each of the latter covering substantially the outer rear half of the index finger and the little finger, a deep slit formed in the palm section between the middle and ring finger portions and extending inwardly to the crotch between the corresponding fingers of a player's hand, a web interconnecting the index finger portion and the middle finger portion of the palm section, a second web interconnecting the ring finger portion and the little finger portion of the palm section, said webs forming a solid section between the respective finger portions from the palm outwardly to substantially the finger tips to provide shallow indentations in the palm section between said interconnected finger portions, the composite back having a finger back section disposed adjacent each side thereof, means for securing the longitudinal outer-edge of each back section to the adjacent edge of the side extension, one of said finger back sections extending transversely to the center of the middlle finger, and said other finger back section extending transversely to the center of ring finger, and each having a solid web coinciding with an interconnecting web of the palm section, intermediate finger back sections connecting the inner edges of the finger back sections and having a deep slit therein corresponding to and disposed behind the slit in the palm section, and a sewed seam securing the marginal edge of the palm finger portions to the adjacent edge of the composite fingers back section.

2,417,997
ELECTRIC WEFT DETECTOR FOR LOOMS

Richard G. Turner, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts

Application February 23, 1946, Serial No. 649,609

14 Claims. (Cl. 139—273)



1. In an electric weft detector for looms, a pair of similar units each including a casing made of insulating material, each casing having aligned open bearing slots therein opening toward similar aligned bearing slots in the other casing, a partition formed of insulating material between said units and having portions thereof entering said slots, a detector element slidably mounted in the slot of each casing between the latter and the partition, and means securing said casings and partition together.

2,417,998
AUTOMATIC HYDRAULIC CLOTHES WASHING MACHINE

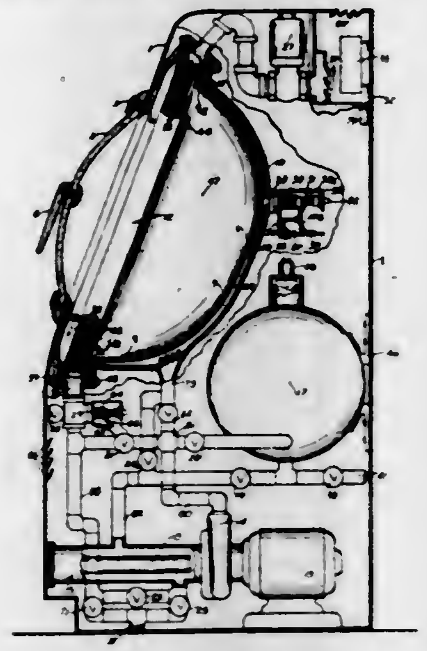
Nathaniel B. Wales, New York, N. Y., assignor, by mesne assignments, to Industrial Patent Corporation, New York, N. Y., a corporation of New York

Application December 28, 1944, Serial No. 570,059

4 Claims. (Cl. 68—12)

1. An automatic washing machine, adapted to wash and rinse clothes, comprising a diaphragm hermetically dividing an operative receptacle and adapted to pulse therein under the hydraulic pressure of a cleaning fluid, motor actuated pumping means for said fluid, a conduit connecting each

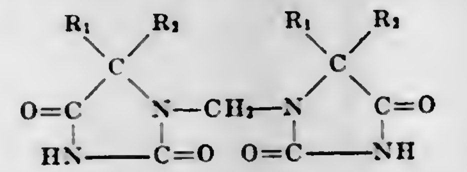
division of said operative receptacle with said pumping means, and automatic valve control means to cause said working fluid to be oscillated from one division of said receptacle to the other in order to pulse said diaphragm during the washing and rinsing periods.



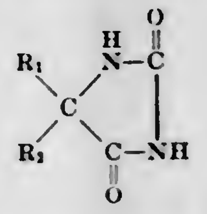
2,417,999
PREPARATION OF N,N'-METHYLENE BIS HYDANTOINS

Joseph Frederic Walker, Lewiston, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 7, 1945, Serial No. 576,705
7 Claims. (Cl. 260—309.5)

1. The method of preparing an N,N' methylene bis hydantoin having the formula



wherein R_1 and R_2 represent the same or different radicals selected from the group which consists of hydrogen and alkyl radicals which comprises reacting a hydantoin having the formula



R_1 and R_2 representing the above-identified radicals, and in which the total number of carbon atoms in R_1 and R_2 does not exceed 5, with formaldehyde in an aqueous reaction mixture containing, at the initiation of the reaction, the hydantoin and formaldehyde in the approximate proportion of one mole of formaldehyde for each two moles of the hydantoin, water in an amount between 15% and 35% by weight of the reaction mixture, at least one part hydrogen chloride for each four parts of water, and a metallic chloride taken from the group consisting of zinc chloride and cadmium chloride.

7. As a new chemical compound N,N' methylene bis-5-methyl, 5-isobutyl hydantoin.

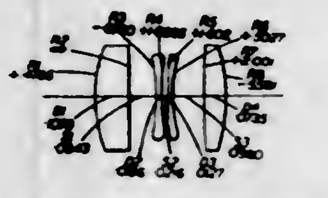
2,418,000
PROCESS FOR PREPARING METHYLENE DERIVATIVES OF HYDANTOIN

Joseph Frederic Walker, Lewiston, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 7, 1945, Serial No. 576,706
4 Claims. (Cl. 260—309.5)

1. A process for the production of N,N' methylene bis-hydantoins which comprises reacting a hydantoin with formaldehyde in an aqueous reaction mixture containing, at the initiation of the reaction, the hydantoin and formaldehyde in the approximate proportion of one mole of formaldehyde for each two moles of hydantoin, water in an amount between 13% and 30% by weight of the reaction mixture, and at least one part by weight of hydrogen chloride for each two parts water.

2,418,001
OPTICAL OBJECTIVE

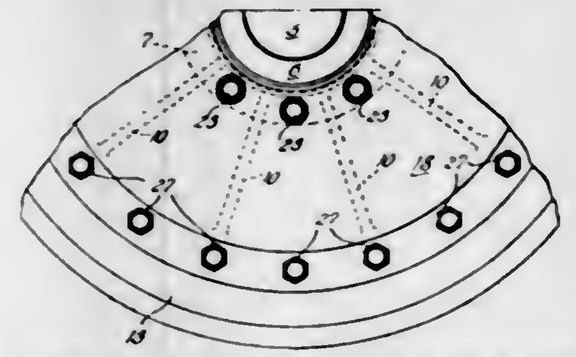
Arthur Warmisham and Charles Gorrie Wynne, Leicester, England
Application July 2, 1943, Serial No. 493,276
In Great Britain October 5, 1942
12 Claims. (Cl. 88—57)



1. An optical objective, corrected for spherical and chromatic aberrations, coma, astigmatism, field curvature and distortion, and comprising four simple components in axial alignment of which the inner two are divergent and are each made of material having mean refractive index between 1.62 and 1.75 and Abbé V number between 21.0 and 34.0, whilst the outer two are convergent and are each made of material having mean refractive index between 1.70 and 1.80 and Abbé V number greater than 50.0, the numerical sum of the radii of curvature of the front surface of the front component and the rear surface of the rear component lying between 90% and 150% of the equivalent focal length of the objective, whilst the overall axial length of the objective between such two surfaces lies between 40% and 85% of such equivalent focal length.

2,418,002
WHEEL

Alfred O. Williams, Battle Creek, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application May 18, 1945, Serial No. 594,528
4 Claims. (Cl. 295—11)

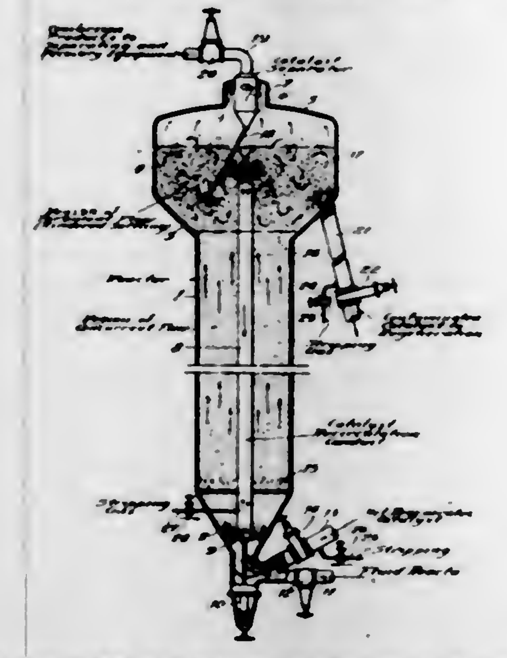


1. A resilient rail wheel comprising a hub having opposed axially spaced shoulders, radial hub

plates seated against said shoulders and spaced thereby, an annular tread member having an inwardly directed flange disposed between said plates, annular radial rubber discs disposed between each of said plates and said flange, and peripherally located studs arranged circumferentially in said plates and having corresponding axially spaced shoulders, said discs being of a normal thickness such that when said hub plates are drawn up tightly against said shoulders said discs are sufficiently compressed axially to retain them in position independently of any locating or anchoring means.

2,418,003
CATALYTIC CONVERSION OF FLUID REACTANTS

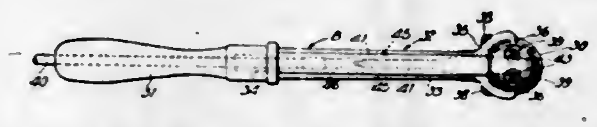
Charles H. Angell, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application June 4, 1943, Serial No. 489,598
9 Claims. (Cl. 196—52)



1. In a process wherein hydrocarbon reactants are converted in the presence of a mass of subdivided solid catalytic material in a reaction zone, the improved mode of operation which comprises passing the hydrocarbons upwardly through a lower region, comprising a major portion of the length of the reaction zone, at a sufficiently high velocity to carry the solid particles of catalytic material upwardly therewith into a higher region of the reaction zone, maintaining in said lower region a sufficient temperature and a sufficient concentration of active catalyst particles to effect substantial conversion of the hydrocarbons during their passage through said lower region, maintaining in said higher region a relatively dense turbulent bed of catalyst particles and discharging the hydrocarbons and solid particles from said lower region upwardly into the lower portion of said dense turbulent bed, reducing the upward velocity of the hydrocarbons in said higher region sufficiently to effect substantial hindered settling of said solid particles therein, maintaining said higher region under conversion conditions and effecting further conversion of the hydrocarbons therein, returning regulated quantities of the solid catalytic material directly from said higher region to a relatively low point in said lower region to commingle therein with incoming hydrocarbon reactants and flow therewith back to said higher region, and maintaining a higher catalyst concentration in said turbulent bed in said higher region of the reaction zone than in said lower region of the reaction zone.

2,418,004
GAS HEATED SOLDERING IRON

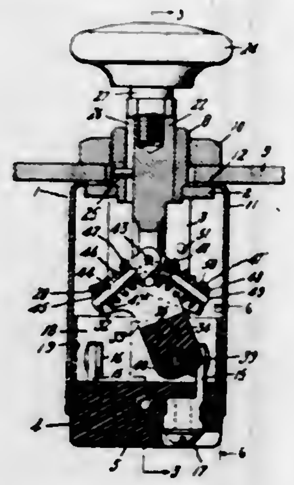
Joshua Attias, New York, N. Y.
Application February 19, 1944, Serial No. 523,037
2 Claims. (Cl. 158—26)



2. A gas heated soldering iron comprising an arm member, a handle secured to one end of said arm member, a solder bit, means for detachably connecting the solder bit to the other end of said arm member with its axis at right angle to the length of said arm member, said bit having a pair of separate combustion chambers therein which open through the top thereof, a gas supply tube extending through said handle and having a portion disposed in close relation to said arm member, a pair of branch tubes having their outer ends extending into the respective combustion chambers through openings in the walls thereof, and a coupling means connecting the inner ends of the branch tubes to the gas supply tube, said bit having air and lighting openings therein establishing communication with the exterior thereof and said combustion chambers.

2,418,005
ELECTRIC SWITCH

John H. Baker and Paul J. Schwarzhaupt, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application March 30, 1945, Serial No. 585,620
9 Claims. (Cl. 200—67)

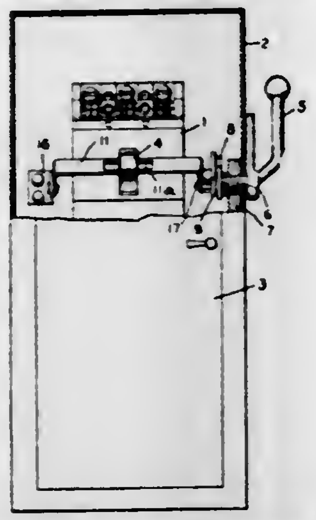


1. An electric switch comprising, in combination, a support including spaced arms, a base disposed between and carried by said arms at their outer ends, fixed contact members carried by said base projecting toward the inner ends of said arms, a reciprocating plunger carried by said support at its inner end and extending between the arms thereof in parallel relation thereto, an L-shaped yoke pivoted between the arms intermediate between their ends with one yoke arm extnding toward said fixed contact members, contact means carried by such arm of the L-shaped yoke for cooperating with the fixed contacts, a trigger pivotally mounted on said plunger and slidably engaging the other arm of the L-shaped yoke, and spring means cooperating with said trigger and yoke and operable upon movement of the trigger pivot to one side or the other of the yoke pivot to snap the movable contacts into and out of engagement with the fixed contacts.

2,418,006

CIRCUIT BREAKER

Charles Bangert, Jr., Ballston Spa, N. Y., assignor to General Electric Company, a corporation of New York
Application August 23, 1944, Serial No. 550,708
3 Claims. (Cl. 200—172)

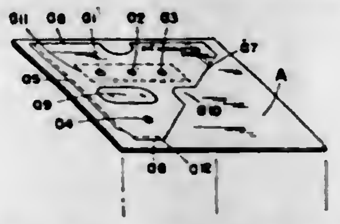


1. In combination, walls forming a housing, a circuit breaker in said housing provided with a first operating handle and over-center snap spring operating means biasing said first handle in one or the other of two extreme positions, a first arm pivotally mounted on said housing and connected to said handle, a second handle rotatably mounted on the exterior of said housing on an operating shaft extending through a wall of said housing, a second arm secured to said shaft, a third arm having one end pivotally mounted on said wall of said housing and its other end pivotally connected to the end of said second arm, and a pivotal connection between said first arm and said third arm for operation of said first handle by said second handle, said second and third arms being arranged to extend at a substantial angle with respect to each other when said first handle is in either of said extreme positions thereby to provide a varying operating leverage between said second handle and said first handle offsetting the varying force of said over-center spring operating means.

2,418,007

METHOD OF REPRODUCING TEMPLETS OR PATTERNS

Joseph T. Barnes and William A. Collins, Columbus, Ohio, assignors to Curtiss-Wright Corporation, a corporation of Delaware
Application April 14, 1942, Serial No. 438,968
2 Claims. (Cl. 101—426)

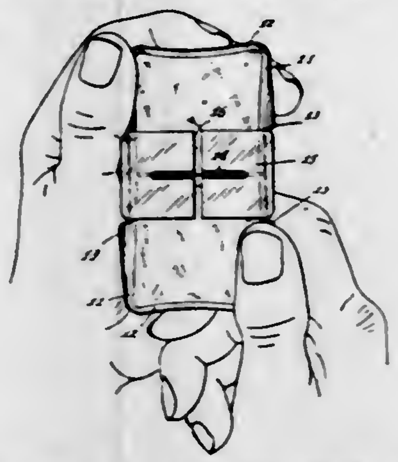


1. The method of reproducing a match drilled master templet by the use of a lithographer's proof press having adjustable work and reproduction beds, the said press having identically disposed matched pin holes in each bed and matched pins within said holes, comprising and jig-drilling of a stack of copy templet blanks to match the said matched bed holes and the holes in the master templet, positioning of the master templet upon the pins of the work bed of the press, positioning a copy templet blank upon the matched pins of the reproduction bed of the press, inking the said master templet and transferring an impression from said inked master templet to each of said copy templet blanks.

2,418,008

ICE-CUBE TRAY

Charles A. Bauer, Newburg, Ind., assignor to Hoosier Cardinal Corporation, Evansville, Ind., a corporation of Indiana
Application July 27, 1945, Serial No. 607,377
6 Claims. (Cl. 62—108.5)

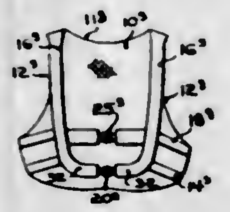


1. In combination, an ice-cube tray and a grid therefor, said tray being generally rectangular in shape and having integral bottom, side, and end walls, said side and end walls being curved horizontally to present convex faces inwardly of the tray, said side walls being provided adjacent their ends with upwardly and outwardly projecting ears, said grid comprising a top and one or more flexible vertical partitions integral therewith and extending transversely of the tray to divide the interior thereof into a plurality of compartments, said top resting on the upper edges of the side walls of the tray between the ears thereon, said ears serving to locate the grid longitudinally of the tray, said grid-top being divided longitudinally of the tray into two sections interconnected by said partition and capable of limited relative movement in the plane of the top, whereby the partitions may be flexed by the application to the top of opposed forces in the plane of the top and displaced from the partitions.

2,418,009

BACK-PROTECTIVE SURGICAL SUSPENDER VEST

Hyman Berman, Bronx, N. Y.
Application December 30, 1944, Serial No. 570,562
3 Claims. (Cl. 2—44)

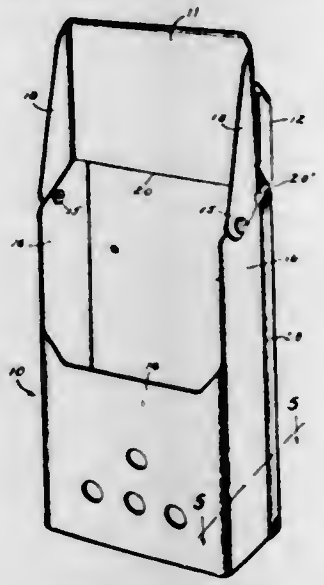


2. A back protecting surgical suspender vest comprising a fabric body adapted to cover the entire back portion of a wearer between the hips and neck, said fabric body having a curved neck portion and a shoulder portion disposed on each side of said neck portion, a curved arm portion extending downwardly from each of said shoulder portions to a point adjacent the base of said body, the lower ends of each of said arm portions merging with the back portion of said body, an open breast frame section comprising a pair of shoulder straps, each of said straps having one of its ends connected with one of said shoulder portions, the lower ends of said straps being free and curved inwardly to a juxtaposed position, buckle means connecting said free ends, a pair of side straps each having one of its ends secured to a different one of said shoulder straps intermediate the ends thereof and projecting laterally therefrom in juxtaposed position, buckle means connecting the free ends of said laterally projecting straps to restrain the lateral movement of said shoulder straps, and means connecting the free ends of said shoulder straps to said body.

2,418,010

MAIL BOX

Louis B. Bruelheide, Bedford, Ohio
Application June 22, 1946, Serial No. 678,565
5 Claims. (Cl. 232—17)



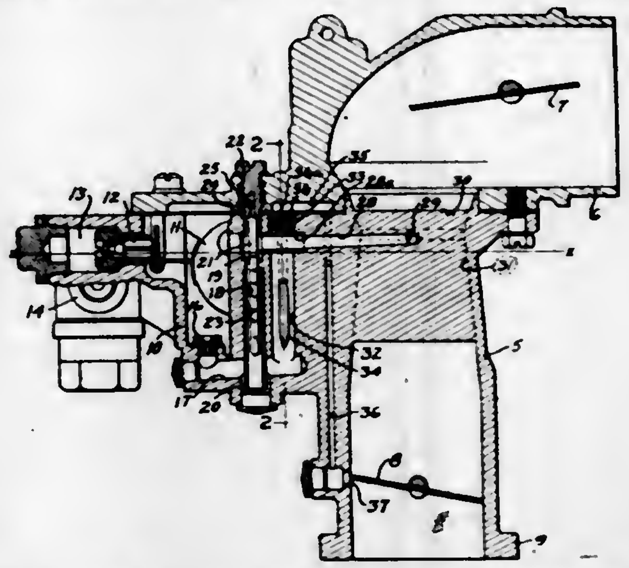
1. A mail box of the character described comprising an open top container portion, and closure means therefor, said container having a rear wall adapted for attachment to a support, and having side, front and bottom walls, a portion of the upper end edge of the front wall being cut away to provide a frontal opening communicating with the top opening, said closure comprising apron means for closing the said front opening and lid means for closing the said top opening, said apron means and said lid means being swingably mounted on respectively independent pivots to provide vertical clearance above the top opening, and free access to the box interior, the pivotal axis for said apron means intersecting the side walls in a vertical plane which is located forwardly of the mid point between the front and rear walls.

2,418,011

ANTIPERCOLATOR STRUCTURE FOR CARBURETORS

Harold A. Carlson, University City, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application June 16, 1944, Serial No. 540,665
3 Claims. (Cl. 261—41)

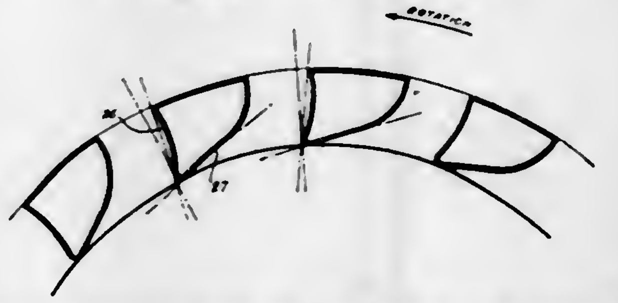
1. In a carburetor, a mixture conduit having a Venturi tube, a constant level fuel chamber, a main fuel passage including a lower cross portion formed with a downwardly extending well and having a metering connection with said chamber, a second part extending upwardly from said cross portion, and an upper transverse part above the normal fuel level and opening into said Venturi tube, a vapor relief duct in opening communication with and extending upwardly from the lower cross portion of the main fuel passage, said duct extending substantially parallel to the upwardly extending part of the main fuel passage, and intersecting the upper transverse portion of same, a perforate wall forming the intersecting portion of the upper transverse portion of the main fuel passage to permit the passage of vapor from the vapor relief duct into the main fuel passage, and an imperforate tubular baffle depending from the upwardly extending part of the main passage into said well for deflecting vapors entering said main fuel passage into said duct.



2,418,012

IMPELLER FOR CENTRIFUGAL APPARATUS

Thomas Chester, Detroit, Mich.
Application September 20, 1943, Serial No. 503,134
11 Claims. (Cl. 103—115)



1. In a rotary impeller for imparting motion to a fluid, a plurality of axially extending blades circumferentially spaced adjacent the periphery of said impeller, each of said blades being approximately in the form of a portional crescent and positioned to have the point of said portional crescent form the radially inner tip of said blade and to provide a convex rearward surface with respect to the direction of rotation of said impeller, the portion of said rearward surface adjacent said radially inner tip forming an angle with a line joining said radially inner tip with the corresponding tip of the next succeeding blade which is between approximately 10° and 40°.

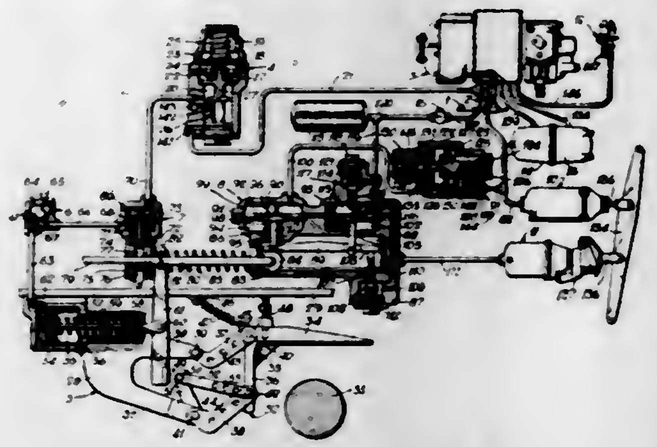
2,418,013

VARIABLE LOAD BRAKE

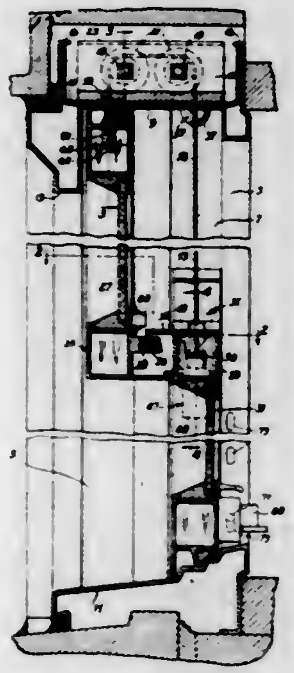
Earle S. Cook, Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application July 26, 1944, Serial No. 546,650
25 Claims. (Cl. 303—22)

1. In a fluid pressure brake equipment, in combination, a brake cylinder device for providing braking power on an empty vehicle, a second

brake cylinder device arranged to be cut into operation to provide increased braking power on the vehicle when the vehicle is carrying a load, valve means conditionable according to the load carried by the vehicle for operation to cut said second brake cylinder into operation and for operation in accordance with any increase in the pressure of fluid in the first mentioned brake cylinder to provide a proportional increase in the pressure of fluid in said second brake cylinder, piston means movable the same distance during each operation for conditioning said valve means, and a measuring mechanism operatively connecting said piston means to said valve means, said mechanism comprising a lever pivotally mounted intermediate its ends to said piston means and arranged to operate under the power of said piston means to first rock about one end to measure the load and then to rock about its other end to condition said valve means, the conditioning of said means being different for different loads carried by the vehicle so as to render said means operative to provide different proportional increases in the pressure of fluid in said second brake cylinder device.

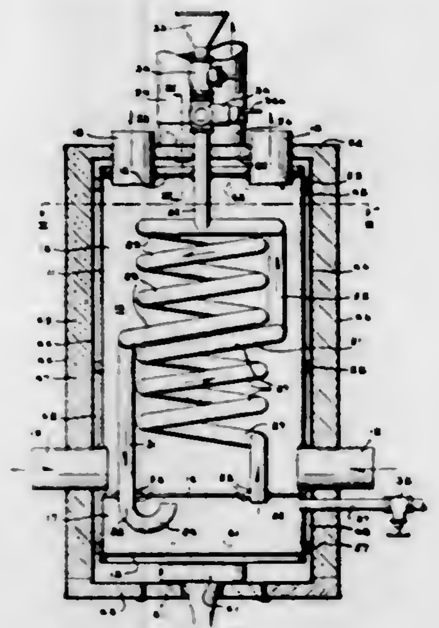


2,418,014
WINDOW CONSTRUCTION
Elmer L. Daab, University City, Mo.
Application June 2, 1944, Serial No. 538,442
1 Claim. (Cl. 189—72)



A double-hung window comprising a frame having a sill, vertical grooved side jambs and a head jamb, a bumper on the head jamb, an upper outer sash and a lower inner sash slidable in the grooves in said side jambs, said lower sash having a vertical channel in the side thereof, an extension member secured to the top of the lower sash over the channel, said extension member having an aperture communicating with the channel, a bumper head extending upward from the extension member and located within the respective groove in the side jamb for cooperation with the bumper on the head jamb, cord guide means in the head jamb, and a cord attached at one end to the upper sash, passing over said guide means and freely through said aperture, and attached at its other end to a weight freely movable in said channel, said weight having a portion wider than the aperture so that it cannot pass through said aperture.

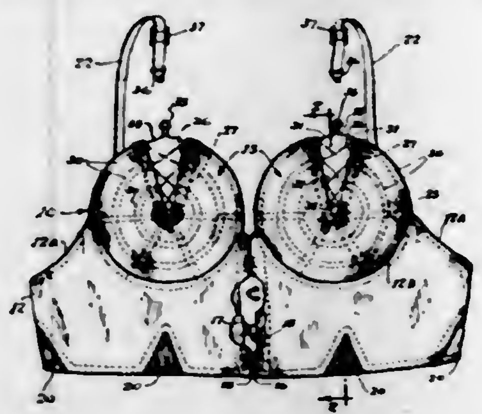
2,418,015
HEATING APPARATUS
Archibald Donald, Prospect Park, and Julius Jacobstein, Crumn Lynne, Pa.
Application July 1, 1944, Serial No. 543,154
5 Claims. (Cl. 122—32)



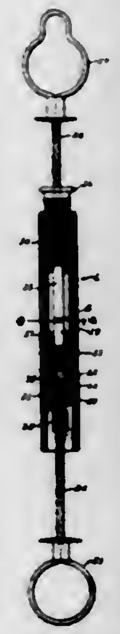
2. In a water heating unit, a tank; a horizontal partition separating the interior thereof into an upper chamber for water to be heated and a lower chamber for a heat-transmitting liquid; a coiled tube extending upwardly from the partition into the upper chamber and having its terminal portions in communication with the lower chamber, whereby heat-transmitting liquid in the lower chamber may circulate through the coiled tube and return to the lower chamber in a closed circuit, said coiled tube comprising a first convoluted section followed by a second straight section both of which extend generally upwardly, a third convoluted section and a fourth straight section, said third and four sections extending generally downwardly and being approximately aligned laterally with the second and first sections, respectively; and means for applying heat to the liquid in the lower chamber.

2,418,016
BRASSIÈRE
Murray G. Edelston, Chicago, Ill.
Application June 18, 1945, Serial No. 600,013
3 Claims. (Cl. 2—42)

1. A brassière comprising a body embracing portion having a pair of bust receiving pockets at the front thereof, each of said pockets having a slit formed in its upper portion and having fabric strips secured near and extending along the edges of said slit, a plurality of eyelets secured to each of said fabric strips, a lace slidably threaded through said eyelets of each pocket in a manner to affect closure of said slit when the ends of said lace are tensioned, and brassière supporting means acting on said laces for drawing the edges of each of said slits toward each other and effective to raise a bust in the related pocket into an uplifted position as the edges of the slit are brought toward each other.



2,418,017
ELECTRICAL PROTECTIVE DEVICE
Albert B. Ellicock, St. Louis, Mo., assignor to James R. Kearney Corporation, St. Louis, Mo., a corporation of Missouri
Application July 23, 1943, Serial No. 495,810
4 Claims. (Cl. 200—118)

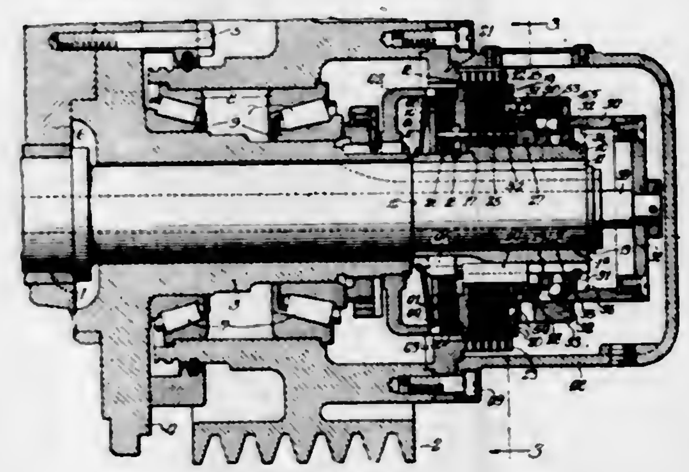


1. A unitary gap link comprising a tube formed of electrical insulating material, spaced electrodes supported by and located within said tube to provide a gap therein which is adapted to break down to effect flow of current through the gap link only upon a predetermined voltage, fusible means associated with one of said electrodes which is fused by heat produced by passage of an electrical arc across the gap between said electrodes so as to cause separation of parts of said gap link, and a flexible conductor connected at its opposite ends to separable parts of said gap link, said flexible conductor being arranged in a contracted condition when said gap link is intact and being adapted to be drawn to a continuously extended condition upon separation of the separable parts of the gap link.

2,418,018
METHYL METHACRYLATE POLYMER LAMINATED TO A POLYVINYL BUTYRAL BY MEANS OF A SILICIC ADHESIVE
Maurice L. Ernsberger and Paul Swithin Pinkney, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 22, 1943, Serial No. 484,076
8 Claims. (Cl. 154—139)

1. A laminated article comprising a sheet of methyl methacrylate polymer and a sheet of a polyvinyl butyral resin, said two sheets being joined together by an adhesive comprising an acid polysilicic acid ester.

2,418,019
CLUTCH AND BRAKE MECHANISM
Marion L. Fast, South Bend, Ind., assignor to Dodge Manufacturing Corporation, Mishawaka, Ind., a corporation of Indiana
Application February 17, 1944, Serial No. 522,704
4 Claims. (Cl. 192—18)

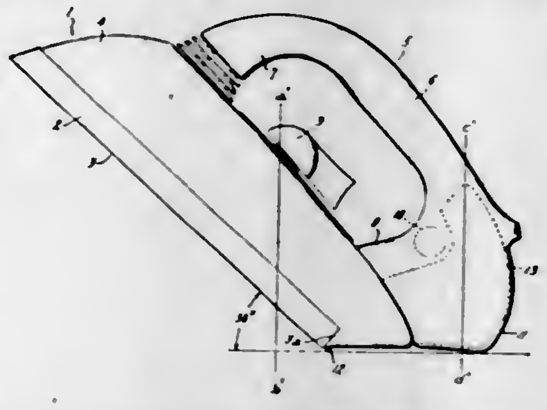


1. A combined clutch and brake comprising, in combination, normally open clutch mechanism for connecting coaxial rotary driving and driven members, normally closed brake mechanism for connecting said driven member to a stationary member, said brake mechanism comprising friction disc means and plates cooperable to clamp the same, a hub keyed to said driven member and carrying said plates in driving connection therewith and having an annular shoulder thereon, one of said plates being axially movable and the other axially fixed, a Belleville spring pressing said axially movable plate toward the other, said spring being a stressed resilient conical washer fitted on said hub with its inner edge portion abutting said shoulder and its outer edge portion abutting said axially movable plate, thrust-exerting mechanism operable for closing said first mentioned clutch mechanism, and means operable by said thrust-exerting mechanism for forcing said axially movable clamping plate in a direction away from said axially fixed clamping plate against the resistance of said spring.

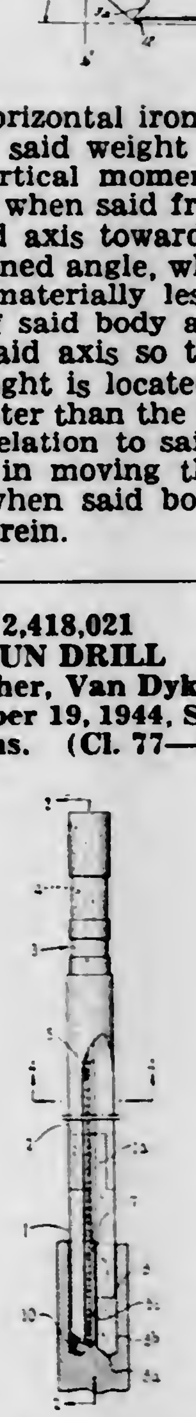
2,418,020
FLATIRON
Frank E. Finlayson, Ontario, Calif., assignor to General Electric Company, a corporation of New York
Application November 14, 1944, Serial No. 563,337
2 Claims. (Cl. 38—79)

1. A flatiron comprising an iron body provided with a soleplate having a front end and a rear end and also a pressing surface on its bottom,

means lying in a common plane defining a rest for said body, said plane making an angle with said pressing surface materially greater than 90°, said support means thereby being arranged to function to support the body in a rest position with said front end elevated and said pressing surface making an angle materially less than 90° to the normal horizontal ironing position, the front end of said iron body being tiltable upwardly to said rest position about a transverse axis located adjacent said rear end of said soleplate, and an auxiliary weight fixedly secured to said iron body and having a weight distribution with relation to it so that when said iron body is in said normal horizontal ironing position the vertical moment of said weight about said axis is less than the vertical moment of said body about said axis, but when said front end is tilted upwardly about said axis toward said rest position to a predetermined angle, which is less than said angle that is materially less than 90°, the center of gravity of said body and weight shift with reference to said axis so that the vertical moment of said weight is located to the rear of said axis and is greater than the vertical moment of said body with relation to said axis, whereby said weight assists in moving the body to said rest position and when said body reaches said position holds it therein.

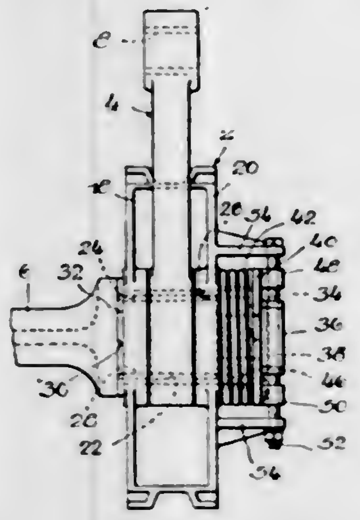


2,418,021
GUN DRILL
John Fleischer, Van Dyke, Mich.
Application September 19, 1944, Serial No. 554,762
7 Claims. (Cl. 77—68)



1. In a drill of the type described, an elongated body having a cutting tip thereon, a chip flute extending along said body and cutting tip, said drill having a center opening extending through said body and cutting tip, said opening extending at least the entire length of said flute and cutting depth of said drill, and a cutting edge at the end of said tip extending from the outer circumference of the said tip and terminating at said center opening whereby an undrilled center rod is formed from the work for guiding said drill during a drilling operation.

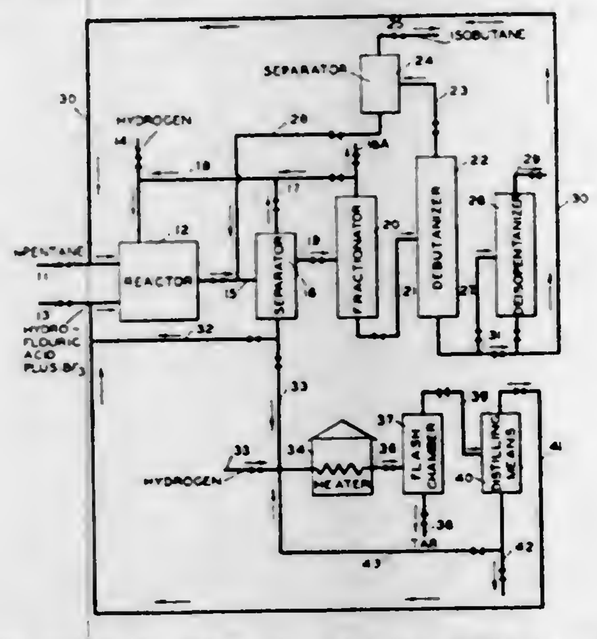
2,418,022
BRAKE HEAD BALANCING DEVICE
Norman Flesch, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application September 22, 1944, Serial No. 555,219
15 Claims. (Cl. 188—230)



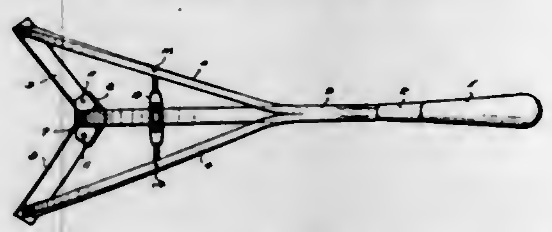
1. In a brake head balancing device, brake head and support members, a pair of spaced rigid means on one of said members receiving therebetween a portion of the other member, a nonrotatable pivot member having a shoulder frictionally engaging one of said rigid means, said pivot member extending through aligned openings in said rigid means and said portion to afford a pivotal connection therebetween, a portion of reduced cross-sectional area on said pivot member terminating in an elongated head at the end thereof, a spring plate with an elongated opening complementary to said head, said plate being movable axially and rotatably with respect to said pivot member to accommodate entrance of said head into said opening and subsequent rotation of said plate, said opening receiving therewithin said reduced portion and being angularly related to said head, thereby affording an interlock between said head and said plate, resilient means compressed between said plate and the other of said rigid means, and means on said head and the adjacent rigid means adapted for abutment to limit pivotal movement of the brake head member relative to said pivot member.

2,418,023
CATALYTIC RECONSTRUCTION OF HYDROCARBONS
Frederick E. Frey, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application November 26, 1943, Serial No. 511,871
21 Claims. (Cl. 260—683.5)

1. A process for the production of isobutane from a low-boiling olefin having at least four carbon atoms per molecule, which comprises subjecting such an olefin hydrocarbon to conversion conditions in the presence of and intimately admixed with liquid concentrated hydrofluoric acid as the effective catalyst with a hydrocarbon to catalyst ratio in the range of about 0.1:1 to about 3:1 by weight and in the presence of free hydrogen under a pressure of at least 200 pounds per square inch.

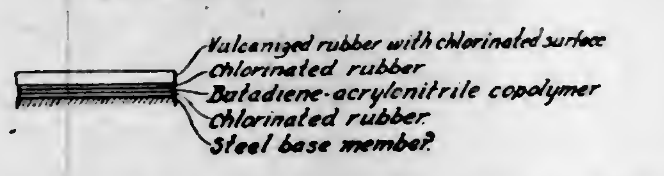


2,418,024
WEEDING IMPLEMENT
Orville C. Gaines, Auburn, Wash.
Application January 6, 1945, Serial No. 571,554
3 Claims. (Cl. 30—299)



2. A weed-cutting implement comprising a handle, a shank at one end of the handle, a pair of flexible side arms diverging relatively from said shank and curving downwardly relative thereto, a similar shorter center arm below said side arms attached to said shank and having one end terminating short of the ends of the side arms, a pair of cutting blades having outer ends connected to the ends of the side arms and inner ends connected to said end of the center arm whereby said blades converge toward said center arm, said connections comprising pivots whereby the angular relation of said blades may be varied by flexing of said side arms, and a turnbuckle extending between said side arms for flexing the same, said end of said center arm terminating in a plate bridging the inner ends of said blades and provided with a cutting edge.

2,418,025
COMPOSITE PRODUCT AND METHOD OF MAKING THE SAME
Benjamin S. Garvey, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application August 20, 1942, Serial No. 455,519
14 Claims. (Cl. 154—130)

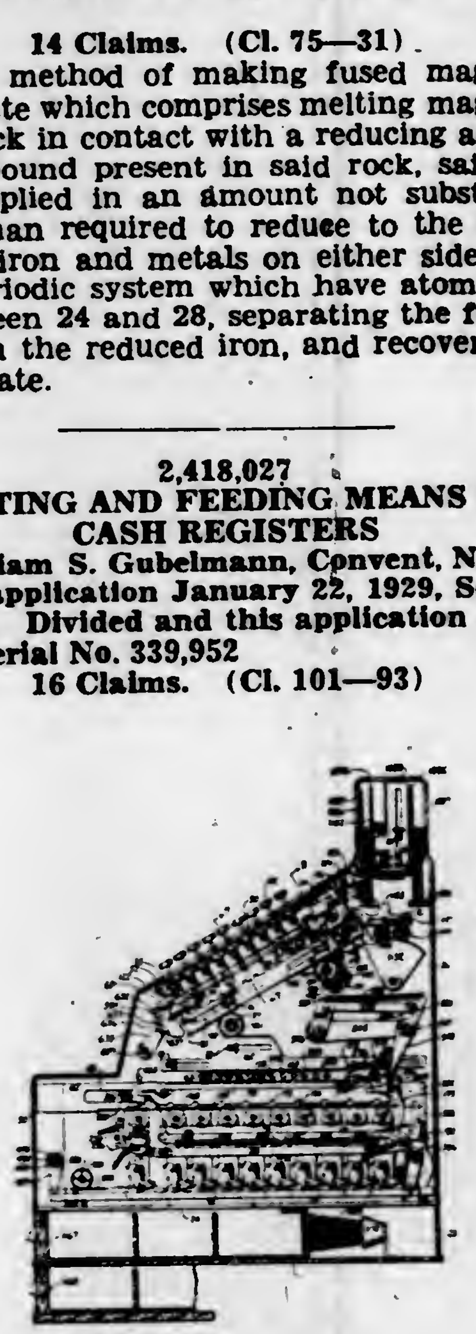

Vulcanized rubber with chlorinated surface
Chlorinated rubber
Butadiene-acrylonitrile copolymer
Chlorinated rubber
Steel base member

1. In a method of adhering rubber to a base member, the method which comprises halogenating a surface of the rubber, and arranging intervening bonding layers contiguous to the halogenated surface of the rubber and to the base member, said bonding layers including a layer of chlorinated rubber contiguous to the base member, and a layer contiguous to the said chlorinated rubber layer and comprising an unvulcanized but vulcanizable synthetic rubber of the class consisting of polymers of substituted butadienes-1,3 monomers where the substituent is a member of the class consisting of chlorine and cyano groups, and copolymers of butadienes-1,3 monomers with other ethylenic monomers, with at least one of said copolymerized monomers containing a member of the class consisting of chlorine and cyano groups, and thereafter completing the adhesion by vulcanizing the synthetic rubber in the absence of high temperatures and pressures.

2,418,026
REFRACTORY FUSED FORSTERITE
Victor Moritz Goldschmidt, Craigiebuckler, Aberdeen, Scotland
No Drawing. Application January 1, 1945, Serial No. 571,029. In Great Britain January 24, 1944
14 Claims. (Cl. 75—31)

1. That method of making fused magnesium orthosilicate which comprises melting magnesium silicate rock in contact with a reducing agent for iron compound present in said rock, said agent being supplied in an amount not substantially greater than required to reduce to the metallic state the iron and metals on either side of iron in the periodic system which have atomic numbers between 24 and 28, separating the fused silicate from the reduced iron, and recovering said fused silicate.

2,418,027
PRINTING AND FEEDING MEANS FOR CASH REGISTERS
William S. Gubelmann, Convent, N. J.
Original application January 22, 1929, Serial No. 334,160. Divided and this application June 11, 1940, Serial No. 339,952
16 Claims. (Cl. 101—93)



1. In a machine of the class described, the combination of a plurality of slidable type carriers, a main operating mechanism, means operated by the main operating mechanism for printing upon a plurality of record media from said type carriers, and means operated by the main

operating mechanism and adapted to cooperate with certain of the type carriers for one unit of movement after more than nine units of idle movement.

3. In a machine of the class described, a plurality of sets of type adapted to form a single or double impression upon a check strip, separate impression means for printing from said type on said strip, means for supporting said strip with a portion normally beneath only one of said impression means, means for feeding said record strip beneath also the other of said impression means, means for operating both of said impression means, and means for at will disabling said feeding means and one of said impression means.

2,418,028

CONDENSATION OF HYDROCARBONS

Vladimir Haensel, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application April 29, 1944, Serial No. 533,391

4 Claims. (Cl. 260—671)

1. A process for alkylating an alkylatable hydrocarbon which comprises subjecting said hydrocarbon and an olefin under alkylating conditions to the action of a catalyst comprising an association of refractory oxides of at least two elements selected from the group consisting of silicon, aluminum, zirconium, magnesium, thorium and boron in the presence of a minor amount of an organic carboxylic acid consisting of carbon, hydrogen and oxygen.

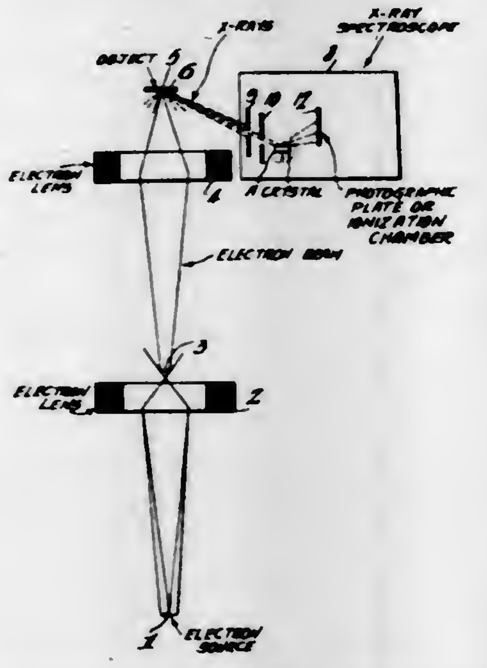
2,418,029

ELECTRON PROBE ANALYSIS EMPLOYING X-RAY SPECTROGRAPHY

James Hillier, Cranbury, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application October 8, 1943, Serial No. 505,573

7 Claims. (Cl. 250—49.5)



6. A spectroscope including means for generating an electron probe of minute cross-sectional area, means for supporting an object, means for irradiating said object by said electron probe to generate X-rays in the vicinity of said electron irradiation, and photographic means and an X-ray refracting crystal disposed intermediate said object and said photographic means for spectroanalyzing said generated X-rays.

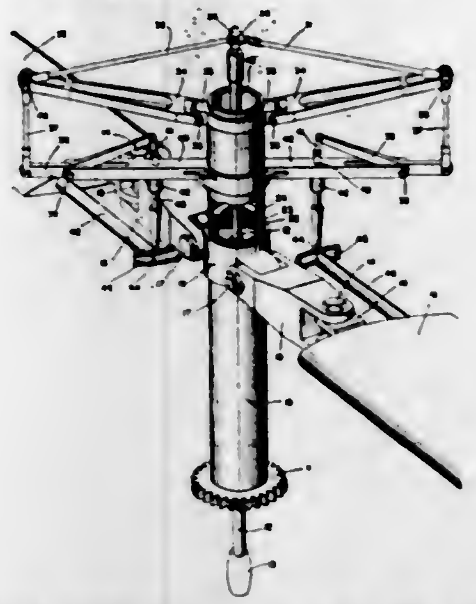
2,418,030

HELICOPTER ROTOR PITCH CONTROL MECHANISM

Harold Hirsch, Buffalo, N. Y., assignor to Curtiss-Wright Corporation, a corporation of Delaware

Application September 7, 1944, Serial No. 553,075

8 Claims. (Cl. 244—17)



1. Control means for varying the pitch of a rotor blade of a rotary wing aircraft mounted for rotational movement on a substantially vertical rotatable shaft, comprising a pair of links extending substantially radially of said shaft and having pivotal connection to each other at their outer ends for relative movement in a substantially vertical plane, one of said links being pivoted at its inner end to an element rotatable with the shaft for movement relative to the shaft in a substantially vertical plane, the other of said links having its inner end in vertically spaced relation to said inner end of the first link, means connected to said links at said pivoted connection for converting vertical movement of said links into a pitch change of said rotor blade, and means for displacing said inner end of the second link radially of said shaft independently of rotation of the latter to effect cyclic pitch change of the rotor blade and axially of said shaft to effect a pitch change of the blade independent of its rotation.

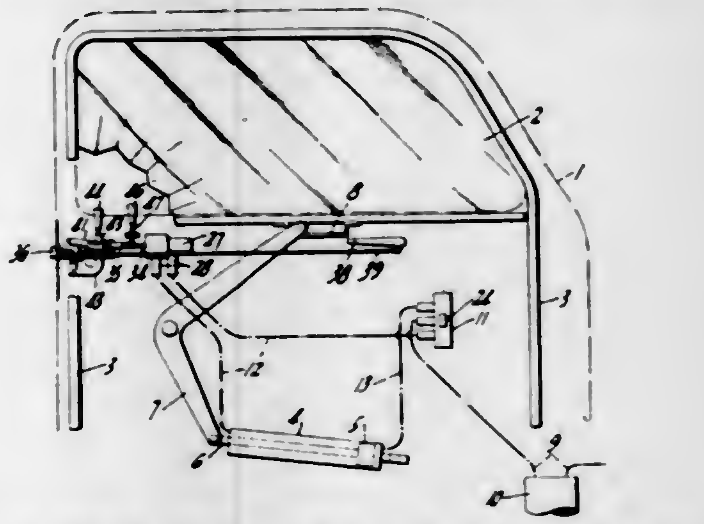
2,418,031

WINDOW CONTROL FOR MOTOR VEHICLES

Erwin C. Horton, Hamburg, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.

Application November 28, 1942, Serial No. 467,231

8 Claims. (Cl. 180—82)



5. A motor vehicle having a window system including a fluid motor operable for closing a connected window, a pressure line to the motor, a control valve in the pressure line operable to energize the motor, means operable to effect a parking of the vehicle, and an auxiliary control valve also connected into the pressure line and operable to energize the motor independently of the first control valve, said parking means including a presettable member operable during the parking of the vehicle to actuate the auxiliary control valve upon rendering the door locking mechanism operative.

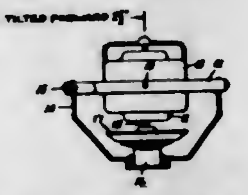
2,418,032

ERECTING DEVICE FOR GYROSCOPES

Richard G. Jewell, Swampscott, Mass., assignor to General Electric Company, a corporation of New York

Application December 12, 1942, Serial No. 468,859

12 Claims. (Cl. 74—5)



1. In combination with a gyroscope of the vertical spin axis type, an eddy current erecting device therefor comprising a conductor member symmetrically disposed with respect to the spin axis of the gyroscope and rotated by said gyroscope, said conductor having a lower surface roughly in the shape of an inverted truncated cone with a central opening in its apex on its axis of rotation, and a permanent magnet having four upwardly extending pole pieces symmetrically arranged in a circle with poles of opposite polarity alternating and supported as a universal pendulum beneath and adjacent to said conductor, said pendulous magnet having a normal position of rest symmetrical with respect to the spin axis of said gyroscope opposite the opening in the conductor and producing eddy currents in the rotating conductor closely surrounding said opening, the relative dimensions of said magnet opening and conductor being such that as the magnet is progressively displaced with respect to the spin axis the effective eddy current producing flux first increases on one side and disappears on the other side of said opening by an amount to produce substantially a desired erection rate, then decreases on the first-mentioned side as the magnet moves adjacent the faster moving cone portion of conductor to maintain the erection rate substantially constant at the desired value, the cone surface having a concentric recess therein to diminish the effective flux of the magnet at certain displacements thereof to assist in obtaining the desired erection rate.

2,418,033

DIAGNOSTIC COMPOSITIONS

Jonas Kamlet, New York, N. Y., assignor to Miles Laboratories, Inc., Elkhart, Ind., a corporation of Indiana

No Drawing. Application October 5, 1946, Serial No. 701,403

7 Claims. (Cl. 252—408)

1. A diagnostic composition in solid dry form comprising a mixture of ingredients reactive when contacted with an aqueous liquid specimen containing reducing sugar to form cuprous oxide by action of the sugar on a material supplied by the mixture said ingredients comprising essentially: a minor quantity of a water soluble solid cupric salt; a solid acidic material selected from the group consisting of citric acid, tartaric acid, an alkali metal acid salt of citric acid, an alkali metal acid salt of tartaric acid, an alkali metal monobasic orthophosphate, an alkali metal dibasic pyrophosphate, an alkali metal hemibasic orthophosphate, an alkaline-earth metal monobasic orthophosphate, an alkaline-earth metal dibasic pyrophosphate, and an alkaline-earth metal hemi-basic orthophosphate; and a quantity of solid alkali material selected from the group consisting of alkali metal oxides and alkali metal hydroxides, the said alkali being present in excess of that required to neutralize the solid acidic material in the mixture and in an amount adequate to generate sufficient heat to form said cuprous oxide.

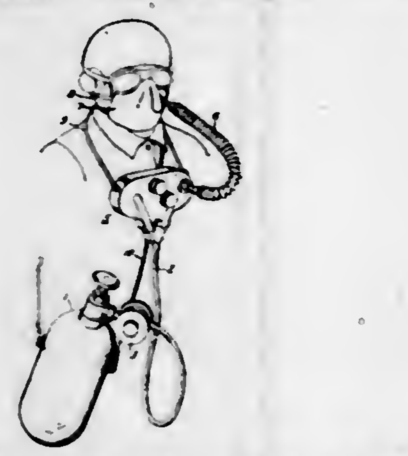
2,418,034

RESPIRATION APPARATUS

Arthur J. Kizaur, Cicero, Ill., assignor to General Electric X-Ray Corporation, Chicago, Ill., a corporation of New York

Application May 29, 1943, Serial No. 489,045

31 Claims. (Cl. 128—142)



1. A valve device for controlling the flow of gas between a source of gas under pressure and a tracheal passage and between the tracheal passage and the atmosphere comprising gas pressure conducting means, a gas chamber having an opening through which passes the gas flowing between said chamber and the tracheal passage, said opening being of sufficient cross section not to prevent the pressure in said chamber from immediately following changes in the tracheal passage, a pressure responsive device responsive to the gas pressure in said chamber and having a movable member which moves quickly from one predetermined position to a second predetermined position in response to said gas pressure increasing above a predetermined value above the atmospheric pressure and which moves back quickly from said second predetermined position to said one predetermined position in response to said gas pressure decreasing below a predetermined value below said first mentioned value but above the atmospheric pressure, and means controlled by the position of said member for selectively establishing gas connections between said chamber and said gas pressure conducting means and between said chamber and the atmosphere.

2,418,035

ENVELOPE MOISTENER

Henri Lachapelle, Montreal, Quebec, Canada

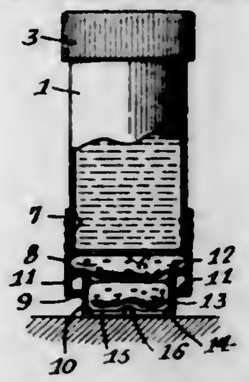
Application November 2, 1944, Serial No. 561,576

In Canada November 25, 1943

2 Claims. (Cl. 15—133)

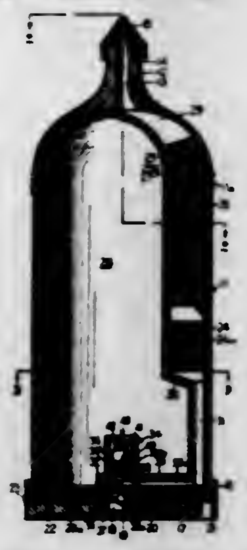
1. An envelope moistener comprising a receptacle having a closed bottom with a port therethrough, a guide sleeve detachably mounted on said receptacle and extending beyond said bot-

tom, a hollow plunger slidably mounted in said sleeve, said plunger having an unrestricted inner end and a closed outer end with intersecting slots therethrough, resilient sponge material between said bottom and said closed outer end, and means for limiting the withdrawal of said plunger from said sleeve.



2,418,036
DISPENSING CASING WITH VALVE OPERATING MEANS FOR A CARTRIDGE WITH A DISPENSING VALVE

Edwin R. Lane, Bexley, Ohio
Application July 31, 1943, Serial No. 496,867
2 Claims. (Cl. 222—3)

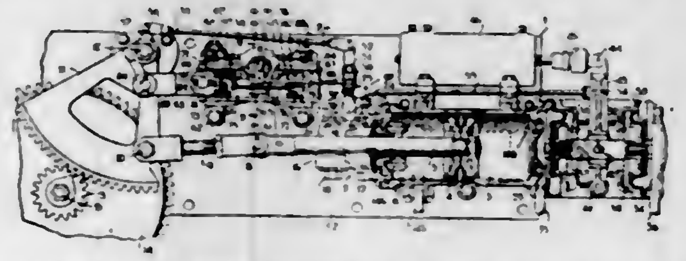


1. In a dispensing device, a casing having a discharge opening and a removable cover disposed at opposite ends thereof, a removable cartridge telescopically engaged within said casing, said cartridge having a depression in a wall thereof whereby to provide a passageway within the casing between the depression and a casing wall when the parts are in assembled relation, said cartridge having a releasable valve mounted therein and disposed wholly within the confines of the cartridge, said releasable valve being removable from outside said cartridge, and valve-actuating means carried by said removable cover adapted to engage said valve whereby to release pressure from within the cartridge to said passageway and discharge opening, said means being located wholly within the area of said removable cover when the parts are in assembled relation whereby to prevent the accidental movement thereof to release the valve.

2,418,037
STABILIZING DEVICE

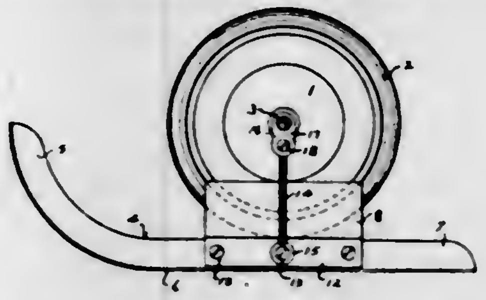
Arthur G. Larson, Forest Hills, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Original application March 30, 1944, Serial No. 528,691. Divided and this application February 28, 1945, Serial No. 580,223
4 Claims. (Cl. 188—98)

1. A stabilizing device comprising in combination, a casing, two liquid filled chambers in said casing, movable abutment means in said casing opposingly subject to liquid in said chambers, a constantly open restricted passage connecting said chambers, said casing having a reservoir disposed above said chambers adapted to be filled with liquid, a plug valve in said casing having its opposite ends disposed for submersion in the liquid in said reservoir, said valve having a neutral position and being movable in either direction therefrom, said casing having separate passages connecting each of said chambers to said valve and said valve having cavities and ports arranged to establish communication between said passages with said valve out of said neutral position and to close said communication with said valve in said neutral position, means arranged to urge said abutment means against the liquid in either one of said chambers for displacing liquid therefrom to the other chamber with said valve out of neutral position, the said valve when out of neutral position being adapted to open communication between said reservoir and the one of said chambers adapted to receive liquid from the other chamber and to close communication between the last named chamber and said reservoir, said valve when in its neutral position closing communication between said reservoir and both of said chambers, and means arranged to move said valve to its different positions.



2,418,038
WHEEL RUNNER

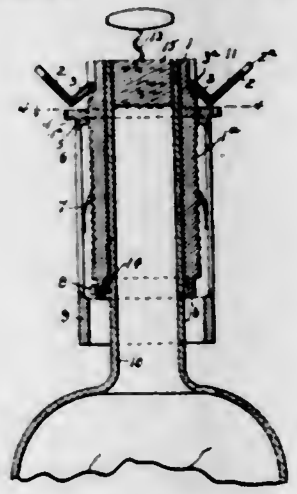
Emil W. Lersch, Pensacola, Fla.
Application July 27, 1945, Serial No. 607,467
1 Claim. (Cl. 280—13)



The combination with a wheel revolubly mounted on a fixed axle, of a runner T-shaped in transverse cross section providing a vertically edgewise upwardly disposed runner flange, a pair of similar clamping members positioned in opposed relation to each other at respective sides of the wheel and engaging the lower portion of the latter, each of said members including a depending connecting flange engaging respective sides of the flange, a plurality of bolts extending through said runner flange and through said connecting flanges for attaching the latter to said runner flange and for clamping said members to the wheel, a connecting link pivotally mounted on the axle, a pair of retaining collars secured on the axle on respective sides of said link for preventing the longitudinal movement of the latter on the axle, and a bracing rod having its upper end secured to said link, the lower end of said rod being connected against one of said connected flanges by one of said bolts.

2,418,039
BOTTLE CLOSURE RETAINER

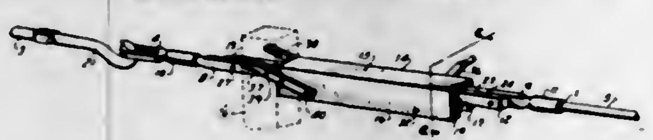
Wilburt W. Mays, Philadelphia, Pa.
Application January 4, 1946, Serial No. 639,033
5 Claims. (Cl. 215—98)



1. In a bottle closure retainer wherein hinged covers are provided to go over the mouth of the bottle and a cork therein, the improvement which includes: a sleeve slidably fitted over the neck of the bottle and means to secure said sleeve to the neck of the bottle, the covers being hinged to said sleeve; and a cover-closing body including an upper ring and a lower ring connected together in spaced relation by struts, the upper ring having an outer flange with apertures and the covers having ears with apertures to register with the apertures of said upper ring, said body being slidable along said sleeve, said lower ring covering said sleeve-securing means when the parts are in the operative position.

2,418,040
JACK CONNECTOR FOR POWER TRANSMISSION LINES

George W. Miller, Sapulpa, Okla.
Application August 14, 1943, Serial No. 498,724
5 Claims. (Cl. 74—593)

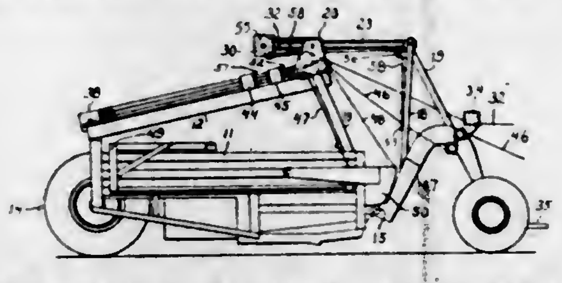


1. A device of the character described including, a guide having laterally spaced sides and interconnected at the top thereof, a pair of members having reciprocating support by the guide, means carried by the guide to hold one of the members in fixed position relatively to the guide when the other is moved in one direction through the guide, interengaging means on said members, said interengaging means being manually engageable to effect movement of the members in the guide upon reverse movement of said other member, and means connecting said members together whereby said members reciprocate as a unit.

2,418,041
EARTH MOVING SCRAPER

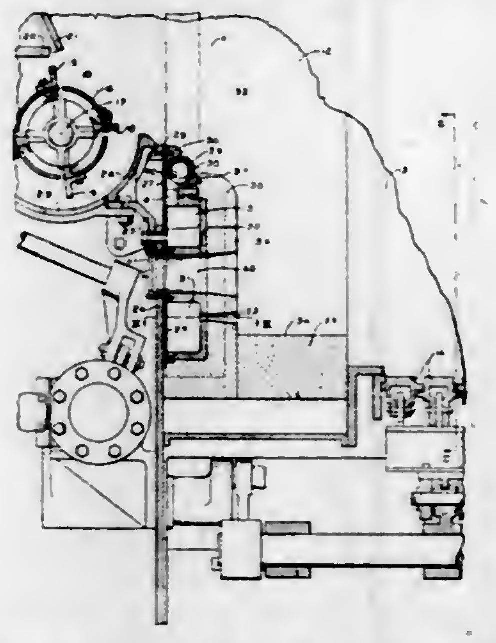
Edward Meyer, Sioux Falls, and Ted J. Poppe, Parker, S. Dak.; said Poppe assignor to said Meyer
Application April 4, 1945, Serial No. 586,490
6 Claims. (Cl. 37—126)

1. In an earth-moving implement; a scraper having a wheeled support at one end and adapted to rest upon the ground at the other end; loading and unloading means on said scraper; means for operating said loading and unloading means comprising a combination of guideways, sliding sheave blocks and a cable running through said blocks; lifting means for said other end of said scraper, pivotally attached to said scraper and having a portion operable to swing away from said scraper and said combination when lifting said other end; and means constructed and arranged to connect the sliding blocks of said combination temporarily to said portion, for relative movement in the same direction with respect to said scraper as said portion when said portion swings away from said scraper, to shift said sliding blocks when jammed in said guideways.



2,418,042
SPREADER STOKER APPARATUS

Donald J. Mosshart, Ardmore, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 22, 1944, Serial No. 569,346
2 Claims. (Cl. 110—115)



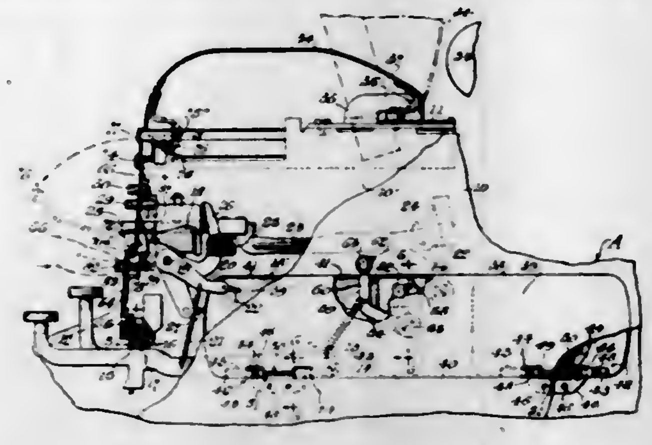
1. In a stoker, upright plate structure adapted to be attached to a furnace wall and having an opening therein through which fuel may be impelled into the furnace, casing structure operatively associated with the rear side of said plate structure and providing a chamber below the opening, means for admitting air under pressure to said chamber, and means near the top of the chamber for discharging air rearwardly from the chamber into the furnace, said means being adjustable from externally of the furnace to vary the angle of discharge of said air relative to the horizontal.

2,418,043
TYPEWRITING MACHINE FRAME

Lewis C. Myers, Freeport, N. Y., assignor to Royal Typewriter Company, Inc., New York, N. Y., a corporation of New York
Application June 2, 1944, Serial No. 538,448
5 Claims. (Cl. 197—186)

1. In a typewriter or like machine, a frame; mechanism mounted on said frame; a wall panel; hinge means mounting said panel on said frame

to swing to normal position for at least partially enclosing said mechanism and to swing outwardly to open position for rendering said mechanism accessible; a latch part on said frame; a spring latch finger on the inside face of said panel engageable with said latch part for holding said panel in normal position; means for disengaging said latch finger from said latch part to permit said panel to swing outwardly; and a stop on said frame engageable by said spring latch finger for bringing said panel gently to rest when it has swung outwardly to a predetermined position.



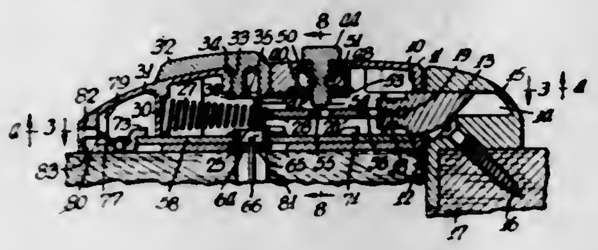
2,418,044

NIGHT LATCH

Charles H. Nehls, Detroit, Mich., assignor to Independent Lock Company, Fitchburg, Mass., a corporation of Massachusetts

Application December 26, 1944, Serial No. 569,688

13 Claims. (Cl. 292—169)



1. In a latch having a casing including a spring projected latch bolt which may be deadlatched or held in retracted position; having a shank portion guided therein, the combination therewith comprising a rollback for said latch bolt shank, a dogging member for the latch bolt guided through the casing transversely to the direction of movement of said latch bolt shank, including spring means to normally retract the same, said dogging means being depressible against said spring means to engage means on said shank, means for latching said dogging means in dogging engagement with said shank and releasable to retract the dogging means upon actuation of said rollback, the dogging member serving either as a means to hold the bolt in retracted position or to dead-latch the same in either of the positions of the latch bolt.

2,418,045

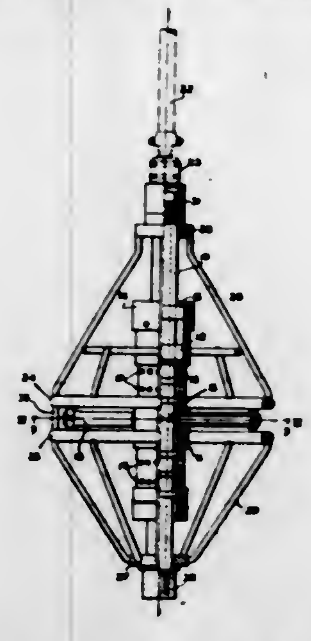
APPARATUS FOR CLEANING OPEN HEARTH CHECKER WORK AND THE LIKE

Joseph H. Neider, Struthers, Ohio

Application September 28, 1943, Serial No. 504,136

2 Claims. (Cl. 134—167)

1. Apparatus for cleaning checkerwork in open hearth furnaces and the like comprising in combination a member having a fluid passage therein and means at one end thereof for connection to a fluid supplying conduit whereby said member may be supported in a depending position, an outwardly directed fluid ejecting nozzle rotatably carried by said member and having communication with said fluid passage, means to rotate said nozzle, and a guard carried by said member and positioned about said nozzle; said guard comprising a pair of longitudinally spaced collars secured to said member above and below the plane of rotation of said nozzle, spaced rings positioned above and below but adjacent to the plane of rotation of said nozzle and being of a diameter greater than the sweep of said nozzle, circumferentially spaced struts interconnecting said rings, and inwardly tapering struts interconnecting said rings and collars.



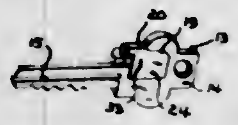
2,418,046

KEY INDICATOR

Louis Oberfield, Brooklyn, N. Y.

Application June 2, 1945, Serial No. 597,327

3 Claims. (Cl. 70—395)



1. A key for a conventional lock comprising a handle, a shank integral therewith adapted to be ground to fit said lock, said handle having a recess above and in line with said shank and a portion overlying said recess, a bore in said portion, a rocker member having a head over said shank and an integral stem in said recess provided with an elongated orifice, a pin in said bore extending into said elongated orifice and adapted to abut the rear end thereof and to retain said stem in position, a spring in said recess compresses between the inner wall of said recess and the end of said member, and means for guiding said stem during movement in said recess whereby when said key is inserted in said lock, said member is pushed by the nib in said recess against the compression of said spring and centralized in neutral position by said means, and when said key is turned to operate said lock, said rocker member, by engagement with the adjacent face of said lock, is pushed by the nib in accordance with the direction of rotation of said key to indicate which direction said key was turned and accordingly whether said lock was locked or unlocked said rocker member having a convex face for engaging said lock adjacent face.

2,418,047

PROCESS FOR THE REMOVAL OF CARBON DISULPHIDE FROM A HYDROCARBON LIQUID

Deric William Parkes and Ian Alastair Moncrieff Ford, West Bromwich, England, assignors to Robinson Brothers Limited, Oldbury, Birmingham, England, a British company

No Drawing. Application September 29, 1944, Serial No. 556,472. In Great Britain November 9, 1943.

4 Claims. (Cl. 196—32)

1. In the removal of carbon disulphide from a hydrocarbon liquid, the steps which comprise reacting said liquid with dimethylamine in aqueous solution in an amount substantially the molar equivalent of the carbon disulphide to be removed to form amine dithiocarbamate, allowing the resultant mixture to settle, separating the aqueous solution containing dithiocarbamate from the hydrocarbon liquid, and recovering the dimethylamine from the aqueous solution for re-use.

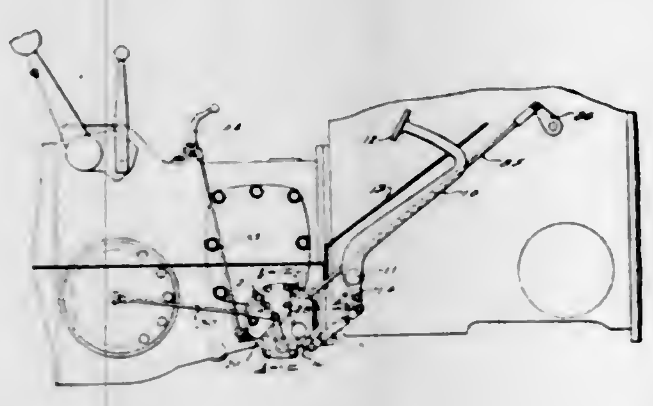
2,418,048

BRAKE CONTROL

Dent Parrett, St. Joseph, Mich., assignor, by mesne assignments, to The Lambert Brake Corporation, St. Joseph, Mich., a corporation of Michigan

Application September 8, 1944, Serial No. 553,171

4 Claims. (Cl. 180—18)



1. In a brake system for tractors having a steering mechanism, a brake pedal, a pair of brake actuating members, one connected to each of the main drive wheels of said tractor, a latch mechanism for operatively connecting each of said brake actuating members with said pedal, means connected with and actuated by the steering mechanism of said tractor for causing selective connections of said latch mechanisms with the brake pedal and manually operated means also serving to effect selective release or engagement of said latch mechanism from said brake pedal.

2,418,049

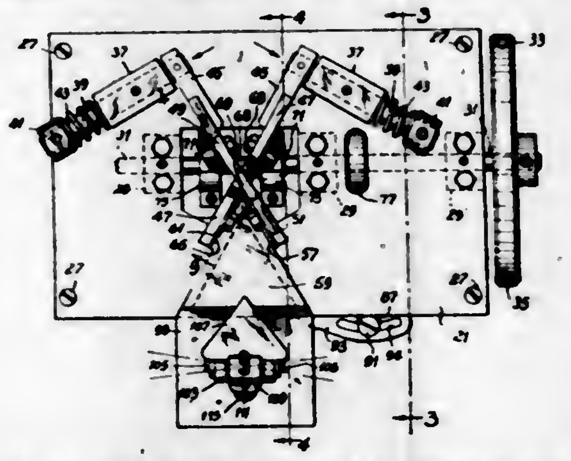
TRIMMER

Arthur A. Schild, Farmington, Mo.

Application May 18, 1945, Serial No. 594,553

9 Claims. (Cl. 164—41)

1. A trimmer comprising a blade having angular cutting edges, operating knives cooperating with said edges and adapted to perform alternating cutting operations, a tapered piece-holding platen, and means for oscillating the platen substantially in the plane of the platen for bringing first one side of a piece on the platen under one knife and then the other side of the piece underneath the other knife, whereby the cuts executed on the piece by the knives are positively intersecting.



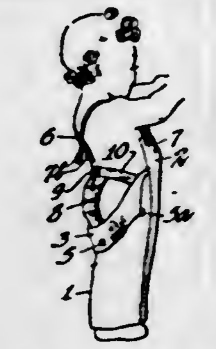
2,418,050

CHILD'S GARMENT

Betty M. Shank, Minneapolis, Minn.

Application October 20, 1944, Serial No. 559,551

3 Claims. (Cl. 2—227)



1. A child's diaper supporting device comprising in combination with an outer body encircling garment, a pair of elastic shoulder supporting straps terminating in spaced front and rear end portions, detachable fastening means anchoring one pair of spaced strap ends to said garment, a belt, an elongated diaper cover secured at one end to the belt, detachable fasteners on the other pair of spaced strap ends connected to the other end of the diaper cover, and detachable fastening means connecting the free ends of the belt to the diaper cover adjacent said other end thereof, whereby a shoulder supported diaper may be removed and replaced without removal of the outer body encircling garments.

2,418,051

POLYCYCLIC METHYLPOLYSILOXANES

Donald W. Scott, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

No Drawing. Application September 22, 1945, Serial No. 618,057

5 Claims. (Cl. 260—607)

1. A polycyclic methylpolysiloxane having the empirical formula $(CH_3)_{2(x-n)}Si_xO_{x+n}$ where x is a whole number of from 5 to 8 and n is a whole number equal to at least one and not more than 3.

2,418,052

MEASURING AND CONTROLLING APPARATUS

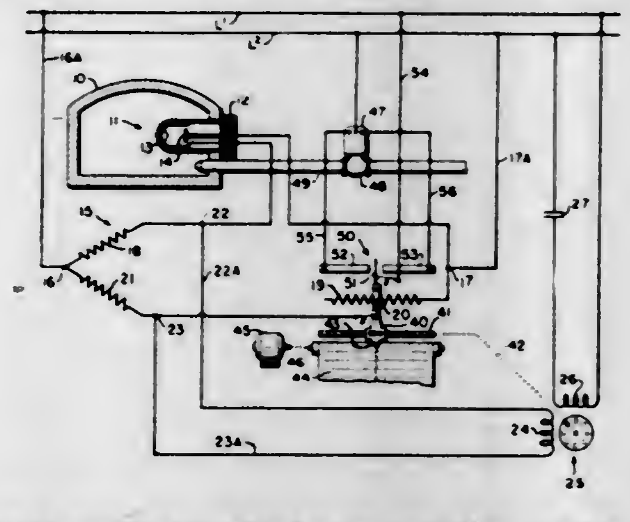
Frederick W. Side, Philadelphia, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania

Application October 8, 1942, Serial No. 461,268

4 Claims. (Cl. 172—239)

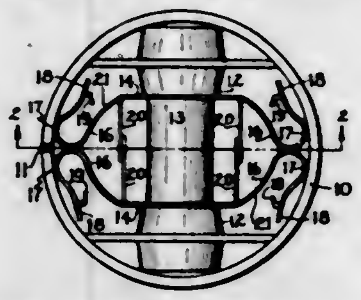
4. In apparatus for measuring the magnitude of a variable condition, an electronic discharge

rectifier device having a plurality of elements including a cathode the temperature of which is a function of a condition to be measured, an adjustable resistance, a normally unstabilized network including said adjustable resistance in one branch and said electronic discharge rectifier device in a second branch, an electrical rotating field motor having a pair of field windings one of which is connected in circuit with said network, said network having a pair of energizing terminals, means connecting the other of said motor field windings and the energizing terminals of said network to a source of alternating voltage of predetermined frequency whereby alternating current of said predetermined frequency flows through said other field winding and whereby pulses of current of predetermined magnitude dependent upon the adjustment of said adjustable resistance flow in one direction through said one motor field winding during the half cycles of said alternating voltage when said electronic discharge rectifier device is non-conductive and pulses of current of variable magnitude depending upon the effective resistance of said electronic discharge rectifier device flow in the same direction through said one motor field winding during the other half cycles of said alternating voltage, the current pulses during both half cycles having substantially the same amplitude when the effective resistance of said electronic discharge rectifier device is equal to the resistance of said adjustable resistance in consequence of which said motor is energized for operation in first one direction and then the other at the frequency of said alternating voltage and remains stationary, the current pulses during said other half cycles being greater than or less than the current pulses flowing during the first mentioned half cycles accordingly as the effective resistance of said electronic discharge rectifier device is respectively greater or less than the resistance of said adjustable resistance in consequence of which said motor is actuated for rotation in a corresponding direction, and means under control of said motor to adjust the value of said adjustable resistance as required to maintain the value thereof substantially equal to the effective resistance of said electronic discharge rectifier device.

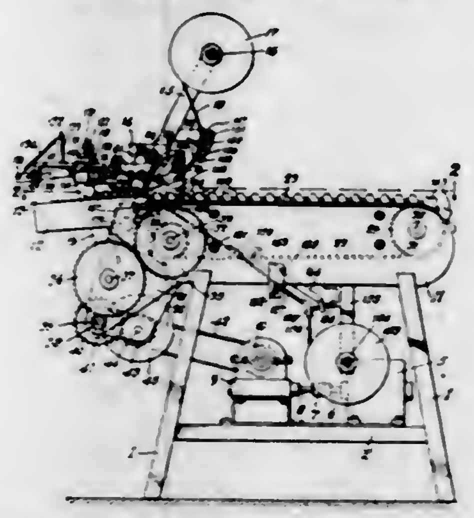


2,418,053
PISTON SKIRT EXPANDER
Martin E. Sipe, Denver, Colo.
Application January 19, 1946, Serial No. 642,287
2 Claims. (Cl. 309—12)

1. A piston skirt expander of generally elongated hexagon shape, provided at each end with outwardly and rearwardly curved portions lying wholly on the outside of the hexagon, and readily releasable means comprising an integral tongue on one part for engagement in an opening in the other part for holding the reversely bent ends under strain.



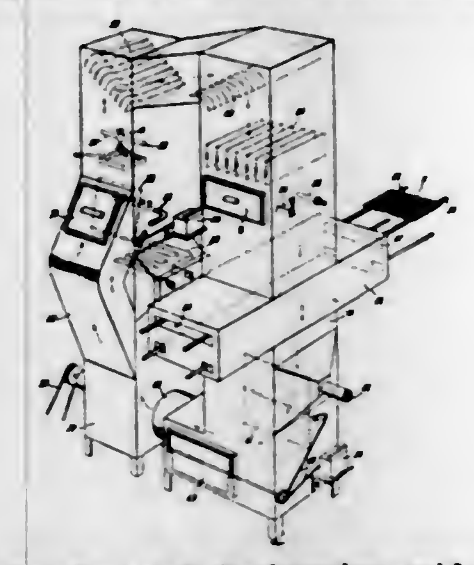
2,418,054
BANDING MACHINE
Edward C. Sloan, Geneva, and Wilton F. Hoag, Batavia, Ill., assignors, by mesne assignments, to Kartridg-Pak Machine Co., Chicago, Ill., a corporation of Illinois
Application June 26, 1942, Serial No. 448,672
26 Claims. (Cl. 93—2)



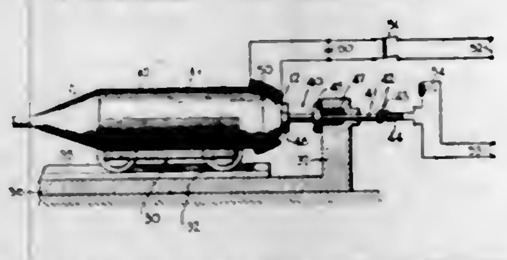
1. In combination with an article banding machine, article carrying means, a plurality of band supplying means adapted to supply a plurality of bands to said articles on opposite sides thereof, a movably mounted sealing assembly including a heating element and means for moving said sealing assembly toward said bands to contact and to seal two of said bands together, said sealing means being movable against the article to move the latter into properly placed relation with respect to the last previously sealed article, said sealing means being arranged to move at an angle to the horizontal and to the vertical and being provided with a member adapted to move said article which is about to be banded.

2,418,055
APPARATUS FOR TREATING SELENIUM RECTIFIERS
Cleveland Scudder Smith, Jr., Bartlett, Tenn., and Leonard A. Seder, Lynn, Mass., assignors to General Electric Company, a corporation of New York
Application December 31, 1943, Serial No. 516,370
4 Claims. (Cl. 91—18)

1. An apparatus for treating rectifier elements comprising the combination of a treating chamber provided with charge and discharge ports open to the atmosphere, a mixing chamber having an air inlet opening, a heater in said mixing chamber, a conduit connecting said chambers, means for producing a substantially liquid-free mixture of a gaseous oxidizing agent and air in said mixing chamber to produce a desired surface condition on rectifier elements, and a conveyor for introducing elements to be treated into said treating chamber and discharging said elements from said chamber after a predetermined time interval.



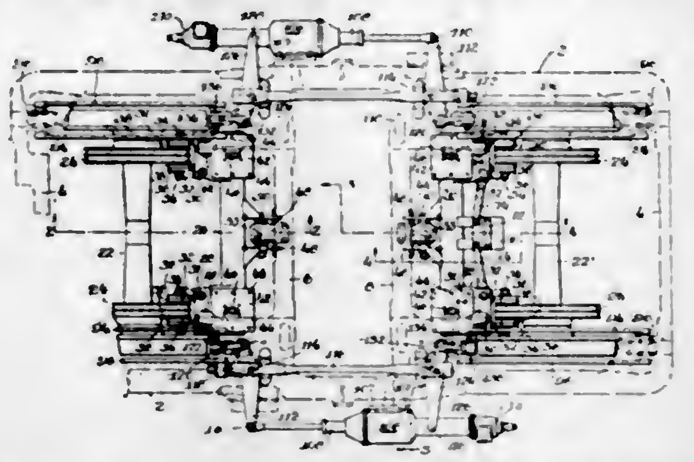
2,418,056
INDUCTION HEATING COIL, ENERGIZING MEANS THEREFOR, AND WORK-RELEASE MEANS
Harold A. Strickland, Jr., Detroit, Mich., assignor, by mesne assignments, to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 13, 1943, Serial No. 498,459
6 Claims. (Cl. 219—13)



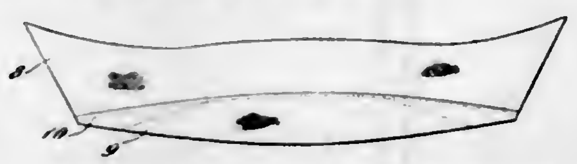
1. In a brazing apparatus, an inductive heating coil positioned with its axis approximately horizontal, means for supporting a ferro-magnetic workpiece for reciprocating movement into and out of heating position within said coil, work-release means adapted to engage said workpiece when in position to be heated and tending to force said workpiece out of heating position, and power means for energization of said heating coil whereby said workpiece is held in heating position against the force of said work-release means and heat is supplied thereto.

2,418,057
CLASP BRAKE
Carl E. Tack and Wesley A. Helsten, Chicago, Ill., assignors to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application September 6, 1943, Serial No. 501,362
22 Claims. (Cl. 188—59)

1. In a brake arrangement for a railway car truck, spaced wheel and axle assemblies each including an axle with wheels thereon and discs driven by said axle adjacent respective wheels, journal boxes associated with the ends of said assemblies, a truck frame having spaced side rails, spaced end rails, and spaced transoms joining said side rails intermediate said end rails, an equalizer mounted on the journal boxes at each side of the truck and affording a resilient support for said frame, a brake beam adjacent each assembly, cylinder housings formed on said beam at opposite ends thereof, a pivotal and resilient connection between said beam and the adjacent transom, a pivotal connection between the top of each housing and a gusset bracket formed at the juncture of said transom with the adjacent side rail, and friction means supported from each cylinder housing for braking cooperation with the adjacent disc, said first and second-mentioned connections being disposed at opposite sides of the longitudinal axis of said beam, said first-mentioned connection lying in a horizontal plane passing through said axles and said second-mentioned connection lying in a horizontal plane passing thereabove.

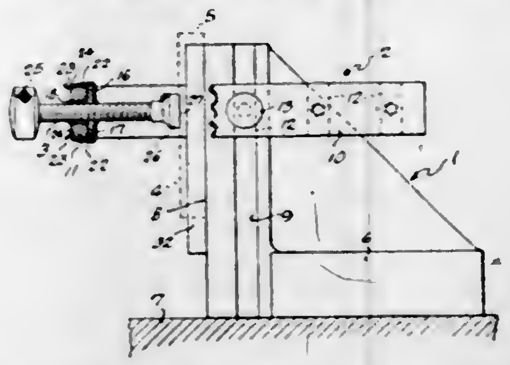


2,418,058
CONVERTIBLE SHIRT COLLAR
Simon Touloumis, Troy, N. Y., assignor to Cluett Peabody & Co., Inc., Troy, N. Y., a corporation of New York
Application July 16, 1943, Serial No. 494,959
3 Claims. (Cl. 2—131)



1. A convertible shirt collar comprising a facing ply and a rear ply, the rear ply comprising parts having divergent edges which define two distinct fold lines about which the collar may be folded whether worn turned up or turned down, respectively, and a single thickness of material bridging the space between said edges, the rear ply being of single thickness between said fold lines.

2,418,059
ANGLE PLATE CLAMPING BRACKET
Charles W. Varcoe, Danbury, Conn.
Application August 4, 1945, Serial No. 608,855
9 Claims. (Cl. 51—217)

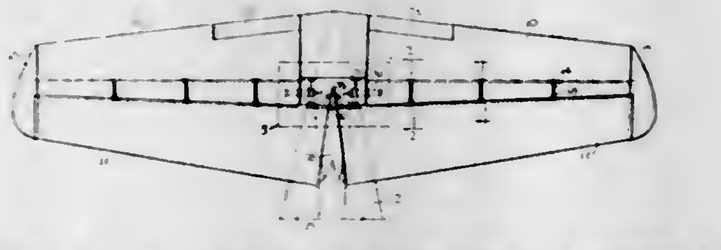


3. A clamping device for work pieces comprising an angle block including a base adapted to rest on a support and an upright front wall, a bracket including spaced side arms and a connecting bar between them, cooperating means on

the side arms and the upright edges of said front wall guiding the bracket on the block for up and down adjustment with the connecting bar located forwardly of the front wall, a clamping screw on said connecting bar for clamping a work piece against the front wall, and means for mounting said screw for longitudinal adjustment on the bar.

2,418,060
AIRCRAFT CONTROL MECHANISM

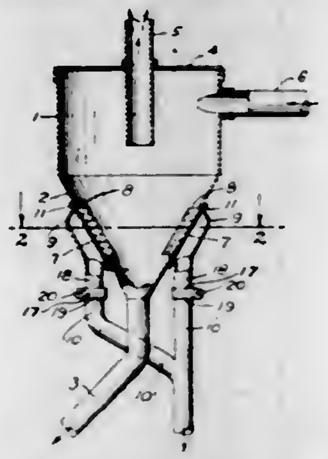
Michael Watter, Philadelphia, Pa., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 30, 1943, Serial No. 500,466
8 Claims. (Cl. 244—87)



1. In an aircraft, in combination, a body, a stabilizer mounted on said body, an airfoil removably hinged on said stabilizer, a projection on the inner front end of the airfoil forward of the hinge line passing through a slot in the side of the body, a hinge arm mounted on a support inside the body on the airfoil hinge line extended, said hinge arm having a sleeved end removably secured to the inner end of said projection, said sleeve having a flange on its inner end, a bearing bracket having a plate removably secured to said flange, and a push-pull operating link having a universal bearing connection to said bracket, said bearing being removably connected to said bracket.

2,418,061
CENTRIFUGAL AIR SEPARATOR AND SCREENING DEVICE FOR COMMINUTED MATERIAL

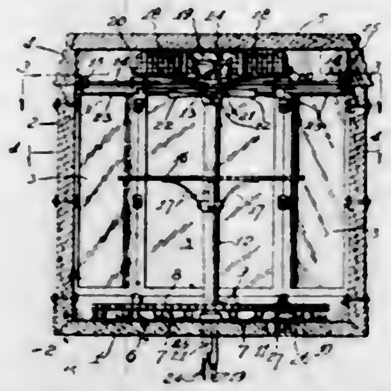
George S. Weinberger, San Francisco, Calif.
Application June 19, 1944, Serial No. 540,951
5 Claims. (Cl. 209—21)



1. In a centrifugal dust separator of the character described having an imperforate outer casing wall forming the separator chamber, the improvement which comprises a screen plate applied to an opening formed in said outer casing wall together with means to direct the discharge of material after passing from the chamber outwardly through said screen plate, comprising a chute embracing the outer side of said screen plate and provided with securing means facilitating outwardly removal of said chute and screen plate from said outer casing wall.

2,418,062
REFRIGERATED DISPLAY CABINET

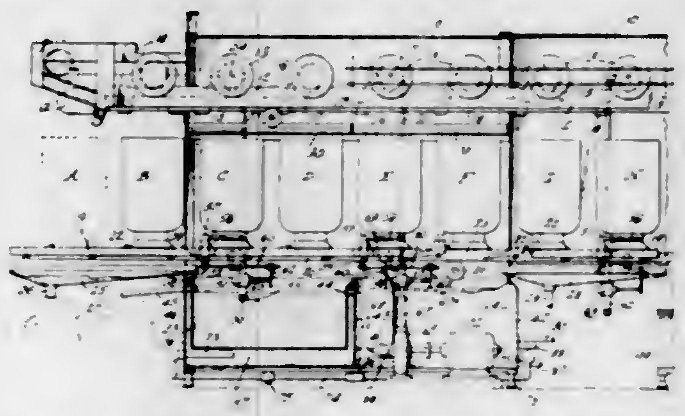
William Abrahamson, Chicago, Ill.
Application July 29, 1944, Serial No. 547,147
7 Claims. (Cl. 62—89.6)



1. In a display cabinet having transparent side walls, a support in the lower portion of the cabinet mounted for rotation about a vertical axis, a hollow axially disposed pillar rotatable with said support, extending upwardly therefrom in the cabinet and open at its upper and lower ends, a bearing for said pillar adjacent its upper end with arms extending from the cabinet structure bracing said bearing in position, refrigerating coils disposed in the upper portion of the cabinet with refrigerant circulating tubes entering said pillar at its lower end and emerging from the upper end thereof for connection with said coils, and drip pan means under said coils in out-of-contact relation to said pillar.

2,418,063
METHOD OF REMOVING AND CONCENTRATING RESIDUE FROM CONTAINERS

E. Roy Alling, Kenmore, N. Y., and Henning A. Trebler, Baltimore, Md., assignors to Rice & Adams Corporation, Buffalo, N. Y., a corporation of New York
Application March 1, 1941, Serial No. 381,230
11 Claims. (Cl. 134—23)

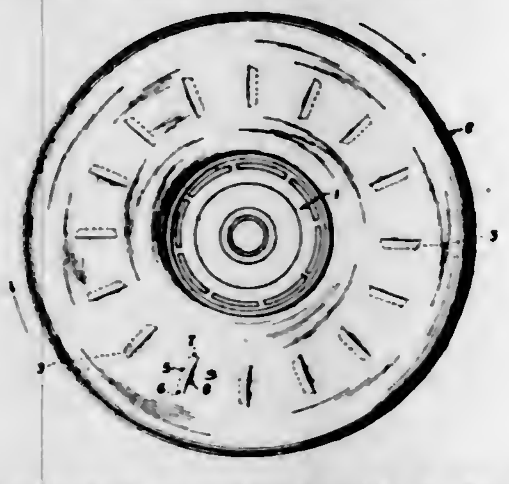


1. An improved method of reducing waste in a liquid receiving plant of the type where milk or the like is received in a plurality of cans, the cans emptied, the contents weighed and sampled, and the cans cleansed for return to the producers, which comprises rinsing the interiors of each of said cans, first with water from one body and free of added detergents, and then with water free of added detergents from another and separate body, with said one body of water used again and again for one rinse of each of said cans and said another body of water again and again for another and subsequent rinse of each of said cans, whereby the major amount of the film of milk or the like on the interiors of the cans will be removed and taken up in said bodies of water, and by the re-use of the same water of each body for rinsing of a plurality of cans the

concentration of milk or the like in each body of the water may be increased to a marketable concentration in said one body of water and to a lesser extent in said another body of water, removing said one body of used rinse water only after it reaches said marketable concentration, and then washing the rinsed cans with water having an added detergent.

2,418,064
WHEEL REVOLVING MEANS

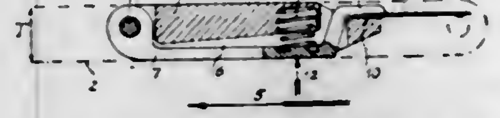
Harold T. Austin, Seattle, Wash.
Application September 29, 1942, Serial No. 460,136
5 Claims. (Cl. 244—103)



1. An airplane tire, comprising: a carcass having a plurality of depressions formed in a side wall and arranged circumferentially thereof, an elastic vane non-extensively secured to said tire about a uniform portion of the rim of each said depression, an unsecured edge portion of each vane spanning the adjacent depression to expose a portion thereof, said vanes and the tire wall portion forming the bottom of the depressions constituting unidirectional pockets expansible when the unsecured vane edge is directed at wind.

2,418,065
BLANK FEEDING MEANS

Henri Bobst, Lausanne, Switzerland
Application September 17, 1941, Serial No. 411,147
In Switzerland October 16, 1940
2 Claims. (Cl. 271—45)

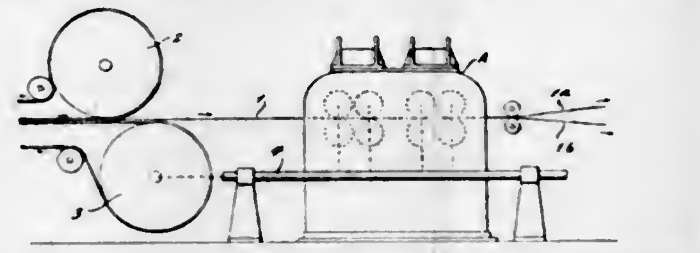


1. In a machine for working a material in blank form, the combination of a pair of driven conveyor chains and a gripper bar carried by and connecting the same, the thickness of the bar corresponding substantially to the thickness or size of the conveyor chains while a portion of the body of said bar forms a collective or gang jaw adapted to be engaged by an opposed group of individual grippers carried upon said body, and a plurality of distinct devices forming an individual jaw for each of said grippers, said bar, grippers and devices all being contained within the profile of the chains.

2,418,066
PAPERBOARD SLITTING AND SCORING MECHANISM

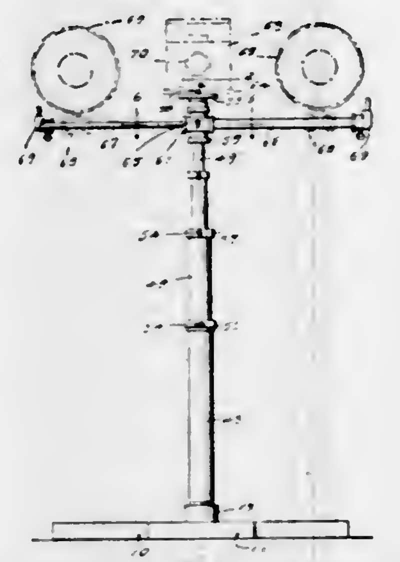
Hobart W. Bruker, Bordentown, N. J.
Application August 12, 1944, Serial No. 549,271
9 Claims. (Cl. 164—61)

1. Paperboard slitting and/or scoring mechanism of the class described, including a supporting frame constructed to afford passage of a continuous paperboard web past said frame, a carriage carrying upper and lower sets of web engaging disks, means mounting said carriage upon said frame to afford transverse movements of said carriage between positions respectively in alinement with the path of travel of the paper web and at one side of said path, said carriage having supports for the upper and lower disk structures which are vertically spaced at one side of the path of travel of the paperboard web to afford clearance for the aforesaid transverse movements of said carriage while the web extends through the mechanism.



2,418,067
CAMERA AND LIGHT SUPPORT

Owen Griffith Carpenter, Sr., Pelham, N. Y.
Application February 8, 1946, Serial No. 646,261
12 Claims. (Cl. 248—161)



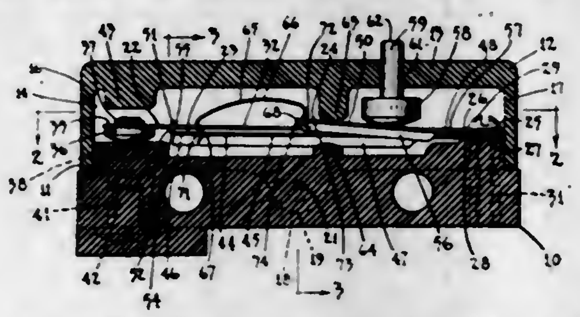
1. A device, as described consisting of a cross shaped base member, a post rising rigidly therefrom centrally, a tubular mounting at the upper end of said post, a disk seated upon said tubular mounting and formed with a central threaded hole, a rod mounted removably in said tubular member having a reduced threaded stem threaded projectingly into said disk so as to extend thereabove, and lamp carrying means carried by said post at its uppermost end.

2,418,068
SWITCH

Richard T. Cornelius, Minneapolis, Minn.
Application October 28, 1943, Serial No. 507,964
5 Claims. (Cl. 200—67)

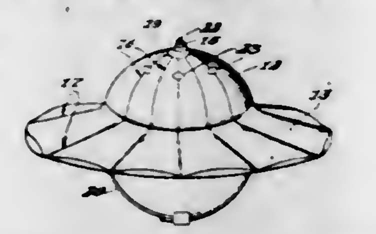
1. In a switch, a movable switch arm consisting of spaced bars and connecting parts at the ends thereof, an operating member constructed with spaced bars and connecting parts at the ends thereof, and an actuating member constructed in the form of a blade, said members being all secured together in proximity to one another at one end of each member and being free to move at the other end, said blade being movable in the

space between the bars of both said switch member and operating member, contact means at the free end of the switch member, a spring operating between the free ends of the operating member and the actuating member and serv-



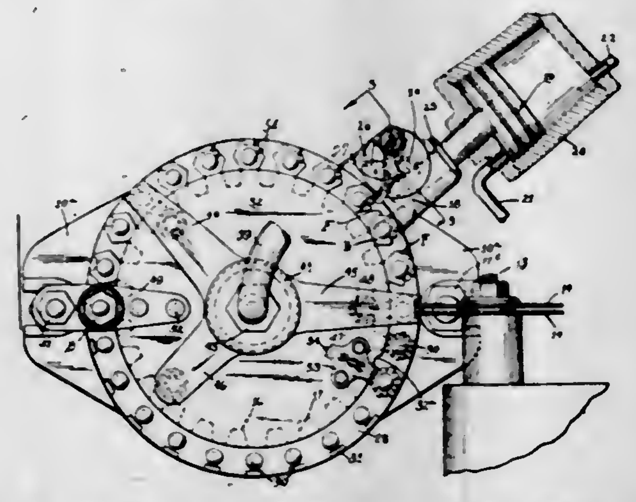
ing as an over-center device for procuring snap action of the operating member upon movement of the actuating member and a lost motion connection between said switch member and said operating member at the free ends thereof.

2,418,069
HEAD GEAR
William R. P. Delano, Syosset, N. Y., assignor to Richard Delano, Inc., Setauket, N. Y., a corporation of New York
Application March 24, 1943, Serial No. 480,311
2 Claims. (Cl. 2—7)



1. A hat comprising a crown portion and a brim portion, said crown and brim portions being formed of two continuous self-sustaining flexible films of gasproof organic plastic material, said films being sealed together at the edges of the brim and along lines radiating from the top center of the crown so as to divide the interior into a multiplicity of gas cells, and means to inflate said cells with a gas.

2,418,070
METHOD OF MANUFACTURING NUTS
Edward A. Green, Chicago, Ill., assignor to Security Machine Products Company, Chicago, Ill., a corporation of Delaware
Application June 2, 1944, Serial No. 538,369
12 Claims. (Cl. 10—86)

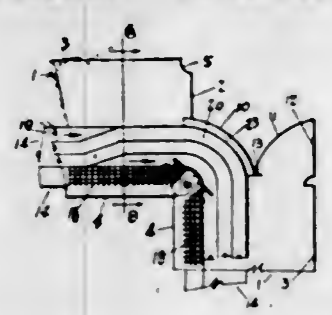


1. A method of producing nuts which comprises cutting in the periphery of a nut blank a plurality of grooves spaced peripherally of the blank and extending from the crown face to the bearing face thereof and diminishing in depth toward said bearing face to provide high diametral resilience to the blank adjacent said crown face, and then diametrally distorting said blank to provide it with a minimum thread pitch diameter less than the thread pitch diameter of the standard bolt on which the nut would be used.

2,418,071
PROCESS OF TREATING ANIMAL FIBERS AND PRODUCTS THEREOF
Milton Harris, Bethesda, Md., and Wilbur I. Patterson, Chagrin Falls, Ohio, assignors to Textile Foundation, Washington, D. C., a corporation of the District of Columbia
No Drawing. Application August 19, 1942, Serial No. 455,368
5 Claims. (Cl. 8—128)

3. The process of treating wool to render it resistant to moths and felting which comprises subjecting the wool to the action of a reducing agent selected from the group consisting of lower alkyl mercaptans, thioglycolic acid and betamercaptoethanol while maintaining the pH of the reaction below about pH 9 until at least about one-third of the disulfide linkages of the wool have been converted to sulfhydryl groups, then treating the wool at a pH between about pH 7 and pH 9 with a compound selected from the group consisting of substituted and unsubstituted alkyl monohalides to convert the sulfhydryl group into thioethers.

2,418,072
GASKET AND METHOD OF CONSTRUCTION
August William Louis Hartbauer, Chicago, Ill.
Application August 31, 1942, Serial No. 456,836
7 Claims. (Cl. 20—69)



1. A gasket structure comprising an elongated core member of gasket material, said core member comprising a spirally wound, strip forming a plurality of laterally abutting core segments forming a composite core member having opposed surfaces, an elongated metal strip, said metal strip being angularly shaped in cross-section, and means for attaching the metal strip to the side wall of one of said core segments so that one flange of the strip lies against and is secured to said segment, and the other flange of the metal strip extends angularly from said segment, said latter flange being adapted to receive attachment means for securing the gasket to a support surface.

2,418,073
ORE TREATMENT PROCESS
Henry C. Kawecki, Temple, Pa.
No Drawing. Application June 17, 1944, Serial No. 540,896
10 Claims. (Cl. 23—18)

7. The method of processing the group of ores consisting of the oxide and silicate ores of zirconium to obtain the zirconium content thereof substantially free from associated metal impurities, which comprises mixing the ore in its finely divided state with potassium ferric fluoride in the proportions providing from one to one and one-third molecular weights of double fluoride for each molecular weight of ZrO_2 present therein, forming the mixture into aggregates, heating the aggregates to about 700° C. for an extended time interval, cooling and crushing the heated aggregates, leaching the same with hot water, filtering the leach water while hot, cooling the leach water to a lower temperature to crystallize out the major portion of the potassium fluozirconate compounds present therein, separating the fluozirconate crystals from the leach water, and recrystallizing the said fluozirconate at least once from pure water to purify the same.

2,418,074
ORE TREATMENT PROCESS
Henry C. Kawecki, Temple, Pa.
No Drawing. Application June 17, 1944, Serial No. 540,897
14 Claims. (Cl. 23—18)

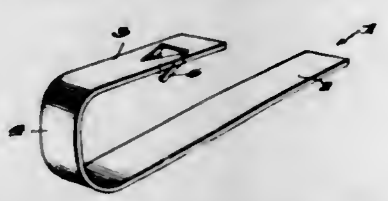
9. The process of recovering zirconium from zirconium ores which comprises finely dividing the ore, admixing the ore with an alkali metal silicofluoride salt in an amount providing about one molar weight of silicofluoride for each molar weight of zirconium present therein, heating the mixture to a temperature approximating 700° C. for an extended time interval, cooling and crushing the heated product to small particle size, and treating the small particle sized heated product with water to dissolve out the water soluble alkali metal zirconium double fluoride compounds present therein.

2,418,075
RUST-PREVENTIVE COMPOSITION
Myron H. Kollen, Ferndale, Mich., and Marcellus T. Flaxman, Whittier, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application November 5, 1945, Serial No. 626,884
18 Claims. (Cl. 106—14)

1. An anti-rust composition comprising between about 5% and 95% of oil-soluble polyvalent metal tall oil soap and between about 5% and 85% of oil-soluble polyvalent metal degras soap.

18. An anti-rust composition comprising 50% to 85% lead tall oil soap, 5% to 30% lead wool grease soap, 5% to 10% paraffin wax, 5% to 10% lubricating oil and 0.01% to 0.1% of cobalt in the form of an oil-insoluble salt.

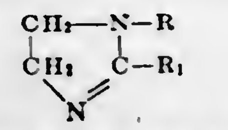
2,418,076
ROOFING CLIP
Philip W. Kridler, Detroit, Mich.
Application October 4, 1944, Serial No. 557,097
4 Claims. (Cl. 108—33)



1. A roofing clip generally of U shape with the branches of the U convergent in the direction of their free ends, one of said branches being adapted to underlay one shingle, the other of said branches being adapted to overlay a second shingle, said clip being made of spring stock whereby it maintains said shingles in continuous pressure contact.

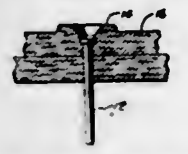
2,418,077
1,2-DISUBSTITUTED-4,5-DIHYDRO-IMIDAZOLES
Lucas P. Kyrides, Webster Groves, and Ferdinand B. Zienty, St. Louis, Mo., assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application August 13, 1943, Serial No. 498,584
6 Claims. (Cl. 260—309.6)

1. Substituted dihydroimidazoles of the formula type:



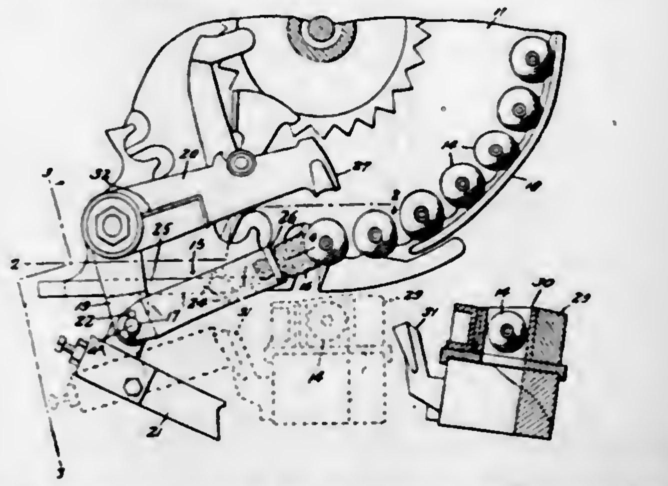
in which R represents an acyclic hydrocarbon radical having from 1 to 5 carbon atoms in its structure and R_1 represents an acyclic hydrocarbon radical having from 10 to 16 carbon atoms in its structure.

2,418,078
HEEL
Delor W. Lauzon, Lynn, Mass.
Application April 8, 1946, Serial No: 660,375
3 Claims. (Cl. 36—34)



1. A top lift for a heel, being a piece of leather de-formed from normal flatness by having a relatively slight depression of the generality of its surface, leaving elevations at nailing regions, within which elevated regions its surface is relatively deeply depressed to constitute nail head seats.

2,418,079
BOBBIN HOLDER
Joseph E. Leake, Fall River, Mass.
Application June 21, 1945, Serial No. 600,783
4 Claims. (Cl. 139—251)



1. In a loom having a battery stand provided with a horizontal flange and carrying a rotary battery for holding a plurality of filling carriers, and having [illegible] for confining a shuttle and having a transfer mechanism including a transfer arm for transferring the lowermost filling carrier from the battery to the shuttle upon

exhaustion of the filling on the carrier in the shuttle, said transfer arm having a downwardly projecting arm, a bar having one end pivotally connected to the lower end of said downwardly projecting arm, and having a member on the other end thereof for engaging the filling on the lowermost filling carrier, and a pin fixed to said bar and slidably resting on said flange of the battery stand for slidably supporting said bar intermediate its ends.

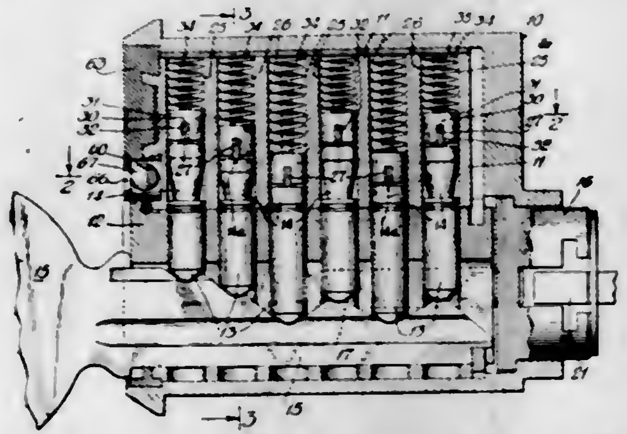
2,418,080

REMOVABLE CYLINDER

Charles Ledin, Stamford, Conn., and John P. Andrew, New Rochelle, N. Y.

Application April 21, 1943, Serial No. 483,830

21 Claims. (Cl. 70—369)



1. In a lock of the class described, a housing, a lock core mounted in said housing and adapted for removal therefrom, a key plug movably mounted in said lock core and having a key way, a series of tumblers movably mounted in said lock core and adapted to be set by a key in said key way, and means in said housing cooperable with parts of said tumblers for preventing removal of said lock core from said housing.

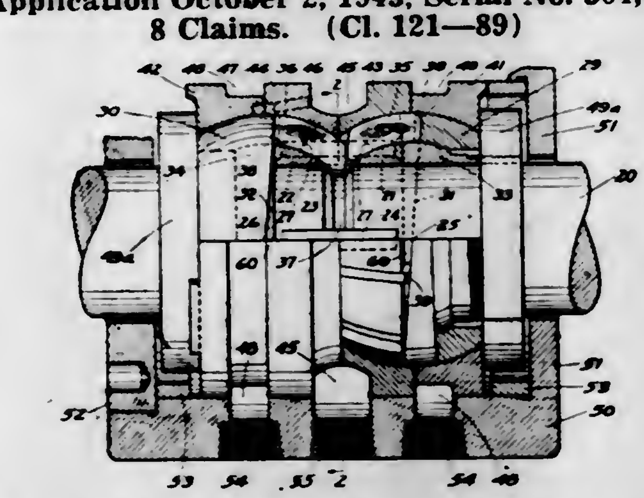
2,418,081

SPHERICAL FLUID OPERATED ROTARY MOTOR OF THE AXIALLY MOVING SLIDING VANE TYPE

Cecil A. Mann, Dayton, Ohio, assignor to H. Christa Smith, Cincinnati, Ohio

Application October 2, 1943, Serial No. 504,671

8 Claims. (Cl. 121—89)



5. In a fluid operated motor, a blade carrier adapted to be mounted on a shaft for rotation therewith and having a circumferential series of slots extending lengthwise of said shaft, two blades slidably mounted in each slot, stationary cam elements mounted about said shaft on the respective sides of said blade carrier and each provided with an annular cam surface having a part in sealed running contact with the adjacent lateral surface of the slotted portion of said blade carrier and a part spaced from said lateral surface to form a work chamber, said cam surfaces being in parallel planes oblique to the axis of rotation of said blade carrier and acting on said blades to move the corresponding blades into and out of the respective work chambers, and means for closing the inner and outer sides of said work chambers and for supplying fluid to and exhausting the same from said work chamber.

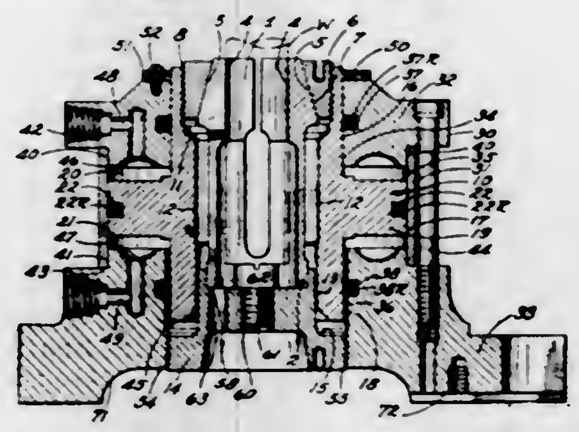
2,418,082

CHUCKING FIXTURE

Edward James Marasko, Cleveland, Ohio, assignor to The Weatherhead Company, Cleveland, Ohio, a corporation of Ohio

Application October 4, 1944, Serial No. 557,131

8 Claims. (Cl. 279—4)



1. In a fluid actuated chuck a body member forming a cylinder with bores of two diameters, a collet, a hollow piston encompassing the collet having outer parts of two diameters, said cylinder surrounding the piston and guiding the parts of one diameter and forming fluid pressure chambers on opposite sides of the other diameter part of the piston, the collet being supported by the body member at one end and having gripping pads and angular adjacent cam surfaces adjacent the other end thereof, and a cam portion on said piston coacting with the cam surfaces of the collet.

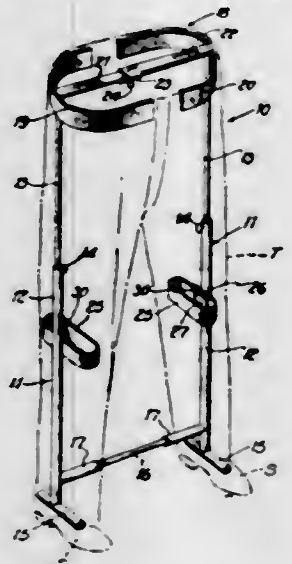
2,418,083

ADJUSTABLE TROUSER DISPLAY FORM

Julius Mayer, Forest Hills, N. Y.

Application September 21, 1945, Serial No. 617,837

2 Claims. (Cl. 223—63)



1. A trousers form display device comprising a pair of lower leg sections, a foot at the lower end of each lower leg section, a brace rod having its ends secured to the lower leg sections adjacent said feet, a pair of upper leg sections in telescoping relation with the upper ends of the respective lower leg sections, clamping means for securing the leg sections in an adjusted position, trouser waist form members having convex outer faces respectively carried by the upper ends of the upper leg sections, and each rigidly connected with one of said sections, and means for securing the form members in adjusted spaced apart relation, said means comprising alined arms, one of which is connected to each of said members and means carried by said arms for securing them in the desired adjusted positions.

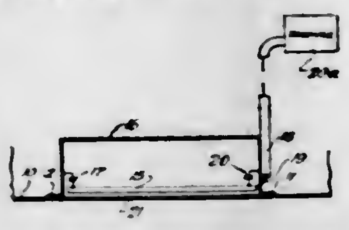
2,418,084

ANTENNA

Bruce E. Montgomery, Berwyn, Ill., assignor to United Air Lines, Inc., Chicago, Ill., a corporation of Delaware

Application November 5, 1945, Serial No. 626,875

13 Claims. (Cl. 250—33)



1. An antenna structure for an aircraft having a metal skin and an opening therein comprising antenna means disposed within said aircraft including an elongate antenna element supported opposite said opening, a substantially semicylindrical metallic structure surrounding said antenna means and grounded to said skin with the open side of said structure facing said opening to form a reflector and shield for said antenna means, and means including a transmission line for connecting said antenna means to a translating device within said aircraft.

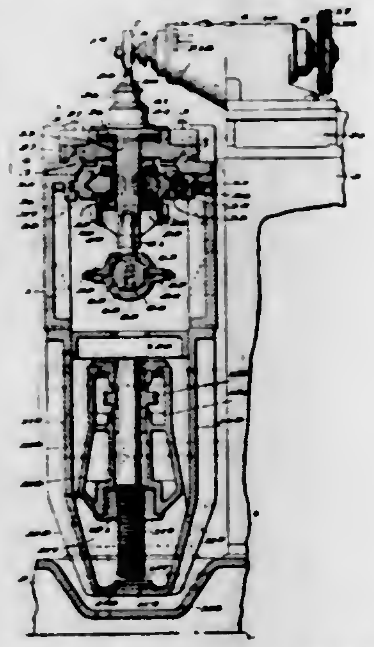
2,418,085

SURFACING MACHINE

David E. Mulholland, Fort Myers, Fla., and Kirk S. Lawrence, West Reading, Pa.; said David E. Mulholland assignor to Walter S. Mulholland, Reading, Pa.

Application May 24, 1943, Serial No. 488,256

44 Claims. (Cl. 51—97)



1. A machine for surfacing a lens blank involving rotatable surfacing means, movable lens blank holding means having a rotatable spindle on which the blank is adapted to be mounted, a curved guideway along which said holding means is movable, rectilinearly movable means beneath said guideway for sliding said holding means to and fro along said guideway to swing said spindle as a pendulum whereby the lens blank is caused to move in a curved path, means for causing the lens blank to engage the surfacing means during movement thereof in said curved path, and means for rotating said spindle as said holding means moves to and fro.

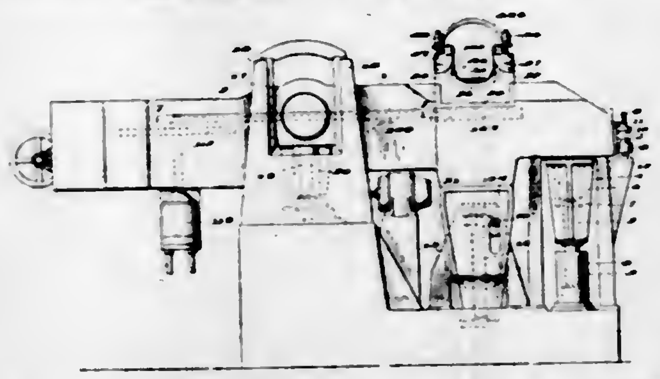
2,418,086

LENS SURFACING MACHINE

David E. Mulholland, Reading, Pa., Gustave Fast, Salisbury, Md., and Kirk S. Lawrence, West Reading, Pa.

Application May 15, 1945, Serial No. 593,850

28 Claims. (Cl. 51—97)



1. In a machine for surfacing lens blanks with a relatively stationary rotatable surfacing means, the combination of a supporting member having curved guideways, lens blank holding means movable to and fro in said guideways for moving the lens blank in a curved path, said means including a body member, a spindle journaled in said body on which the lens blank is adapted to be mounted, hydraulically operated means mounted in said member and movable therewith for rotating the spindle as said means is moved to and fro, and passages in said body through which the fluid is conducted to and away from said hydraulic means.

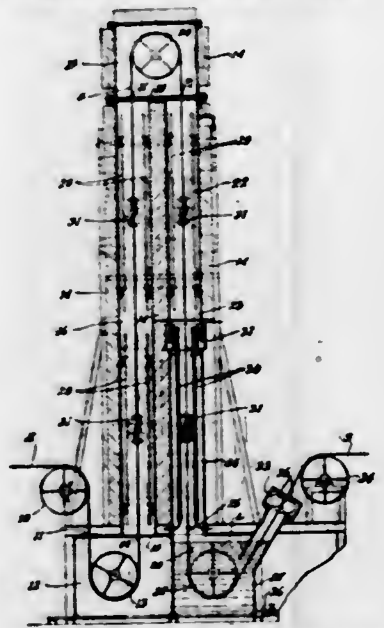
2,418,087

METHOD OF HEAT-TREATING ELECTROPLATED MATERIAL

John S. Nachtman, Youngstown, Ohio

Application March 30, 1942, Serial No. 436,782

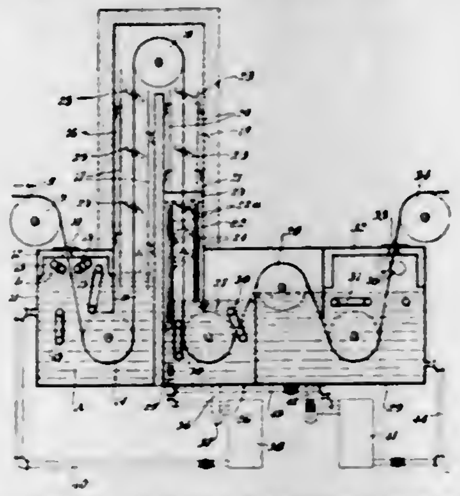
8 Claims. (Cl. 204—36)



5. The method of heat treating material electroplated with a coating of tin for brightening the tin surface, which includes the steps of passing the material in a first closed space through the

vapor of a hydrocarbon medium of high thermoconductivity and high thermostability which boils between 97° F. and 300° F. and maintained at a temperature just below the melting point of tin to preheat the coating, then passing the material in a closed space through said hydrocarbon vapor maintained at a temperature above the melting point of tin to melt the coating, and then passing the material in a closed space through a bath of said hydrocarbon medium cooled to a liquid state to solidify the coating, all without exposing the material to the atmosphere.

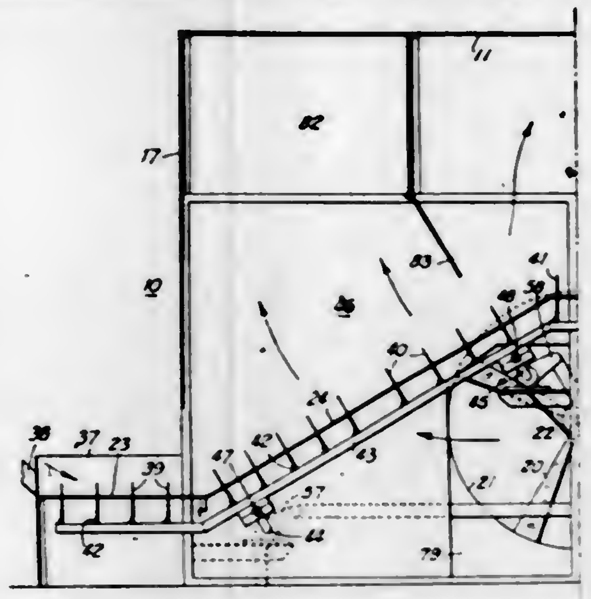
2,418,088
HEAT-TREATMENT OF ELECTROPLATED STRIP METAL
John S. Nachtman, Youngstown, Ohio
Application March 30, 1942, Serial No. 436,783
12 Claims. (Cl. 204—36)

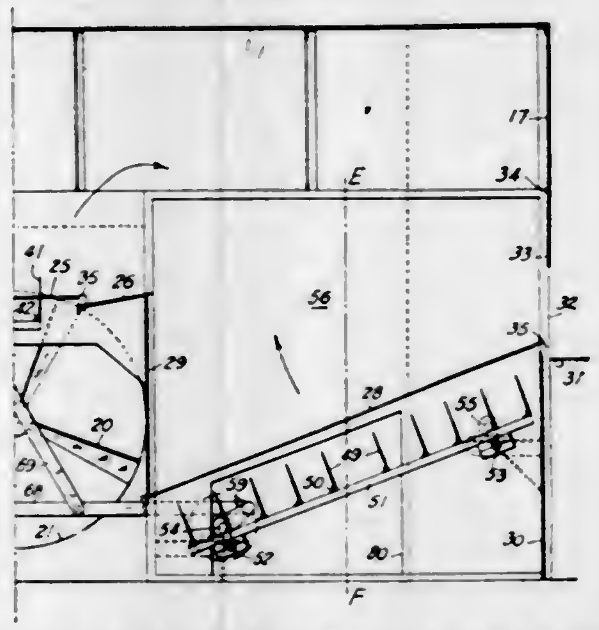


1. The method of heat treating metal electroplated with tin, which includes heating a hydrocarbon medium selected from the group of petroleum and coal tar fractions which boil below the melting point of tin to vaporize the same and confining said vapor; passing said electroplated metal directly through a portion of said confined vapor to condense some of said vapor on said electro plated metal and preheat the same, then momentarily melting the tin coating in a second portion of said vapor maintained at a temperature above the melting point of tin, then quickly cooling the electroplated metal to below the point of solidification of said tin coating by spraying a portion of the hydrocarbon medium thereon; and then passing said electroplated metal directly through a liquid hydrocarbon maintained at a temperature which will cool the tin coating below its oxidation temperature.

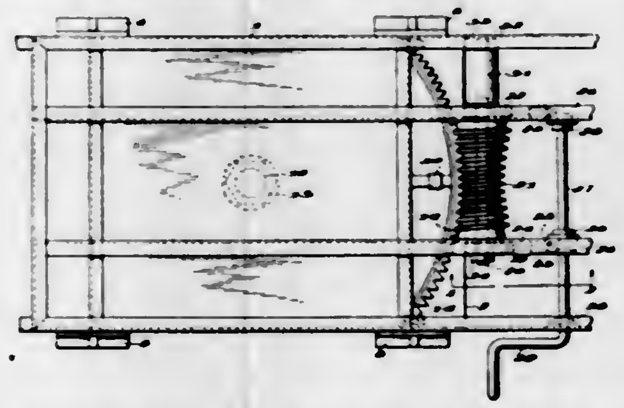
2,418,089
GRASS DRYING APPARATUS
John Ernest Newman, Cirencester, England, assignor of two-thirds to Donald Stuart Kennedy, Andover, England
Application December 11, 1944, Serial No. 567,677
In Great Britain November 22, 1943
5 Claims. (Cl. 34—206)

1. Grass drying apparatus, comprising two inclined guides for upward sliding movement of masses of grass, said inclined guides being spaced horizontally from one another and arranged for movement of the grass up the two inclined guides successively, mechanical means for elevating grass along said inclined guides in series, the upper end of the first of said inclined guides being at a higher elevation than the lower end of the second of said inclined guides, said inclined guides including apertures, means for blowing a gaseous drying medium beneath said inclined guides for flow through said apertures therein and through the ascending grass thereon, guiding means extending from the upper end of the first of said inclined guides to the lower end of the second of said inclined guides, the grass from the upper end of said first inclined guide tumbling down over said guiding means onto the lower end of said second guide, and means for operating said mechanical elevating means, said operating means including driving cranks set in opposite phases for the respective inclined guides.



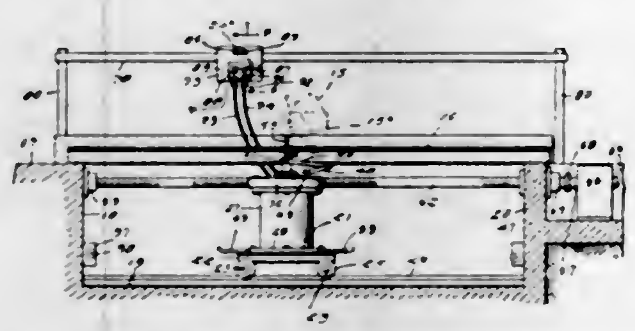


2,418,090
TRAILER STEERING MECHANISM
Harry C. Nunes, Honolulu, Territory of Hawaii
Application December 19, 1944, Serial No. 568,831
8 Claims. (Cl. 280—98)



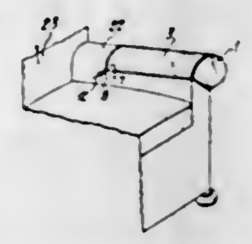
1. Mechanism for steering the trailer of an automotive power unit comprising a swiveled truck supporting a part of the trailer, a worm gear rigid with said truck, a worm rotatably mounted upon said trailer, rotatable means for sliding said worm in a direction longitudinally of the trailer into and out of engagement with said worm gear, said means also acting to maintain said worm in its position of operative engagement with said gear, and means for rotating said worm.

2,418,091
BLOOM TURNING APPARATUS
William S. Pandoff, Canton, Ohio
Application December 29, 1944, Serial No. 570,454
3 Claims. (Cl. 214—1)



1. A turning device for a bloom having angularly arranged connected faces extending along its length and disposed for intermittent movement from one face to another along a supporting bed, the combination of: a vertically movable angle member adapted for cooperative engagement with an adjacent edge of the bloom and adapted to move the bloom from a position in which one face was in engagement with the bed to another in which the succeeding face is in engagement with the bed when said member is moved in an upward direction; a movable rod having its upper end pivotally connected to the closed end of said angle member for movement therewith and its lower end securely connected to a piston, said angle member being pivotally mounted to afford a ninety degree rotation of said angle member to adapt the device for operation in different directions; a cylinder in which said piston is slidably mounted and provided with fluid openings affording communication with different sides of said piston; and fluid control means operatively associated with the fluid openings in said cylinder for controlling the direction of movement of said piston.

2,418,092
FURNITURE ARM PROTECTOR
Morris J. Passel, Yonkers, N. Y.
Application November 21, 1944, Serial No. 564,470
3 Claims. (Cl. 155—182)

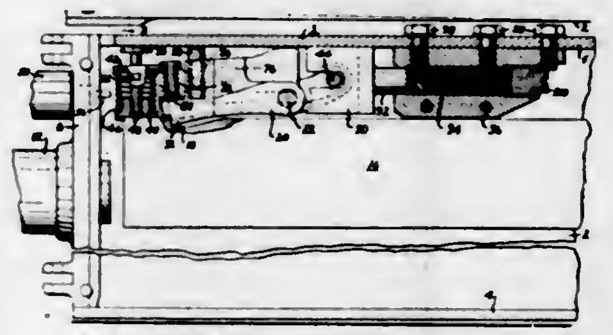


3. A protective sheath for the side arm of an upholstered furniture piece, said sheath comprising a member having top and side portions and a front end portion and being open at the rear and at the bottom, said sheath also being substantially shorter than said arm and of a shape to conform closely to the upper, front part of said arm, an anchoring device for the rear edge of each side portion of said sheath, adapted to engage each opposite face of said side arm, and tension means connecting each said anchoring device to its associated rear edge for drawing said sheath into snug fitting relation over and in conformance with said upper front part of said arm.

2,418,093
REACTION BETWEEN HYDROGEN CHLORIDE AND ISOBUTYLENE
Ralph P. Perkins and Raymond H. Rigterink, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application August 5, 1944, Serial No. 548,322
4 Claims. (Cl. 260—663)

1. The method for selectively reacting hydrogen chloride with the isobutylene in a mixture of isobutylene- and butadiene-containing hydrocarbons of the C_4 series which comprises treating the mixture in the liquid phase with anhydrous hydrogen chloride in the presence of a bleaching clay and at a temperature of from about 10° to about 50° C.

2,418,094
BREECH BOLT LATCHING MECHANISM
Francis I. Rataiczak, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application April 26, 1943, Serial No. 484,544
5 Claims. (Cl. 89—27)

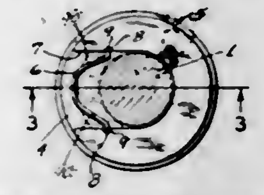


1. In a rapid firing machine gun; a breech housing; a breech bolt mounted for reciprocation within said housing; means for latching said breech bolt in one position; means operated by movement of said breech bolt for storing energy derived from the recoil of said breech bolt; and means utilizing said stored energy for releasing said latch means from latching engagement with said breech bolt; said means for storing energy comprising a pair of levers, means for pivotally mounting said levers at one end within said breech housing, and a spring means biasing the free ends of said levers away from one another, one of said levers being arranged in the path of movement of said breech bolt whereby upon movement of the breech bolt said spring is compressed and energy is stored therein.

2,418,095
DOUBLE ROW ROLLER BEARING AND CUP SPACER THEREFOR
Robert M. Riblet, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application December 1, 1945, Serial No. 632,238
12 Claims. (Cl. 308—214)

1. A two part cup spacer for a double row roller bearing comprising an annular body having an

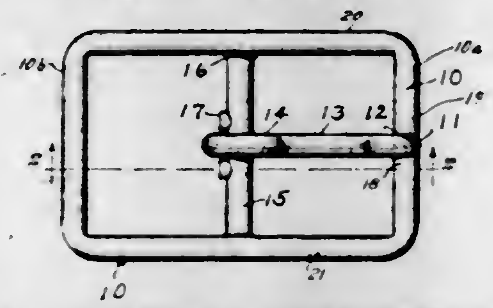
opening through one side thereof, and a spring retainer adapted to be inserted in said opening



under compression with its end portions bearing resiliently against opposite sides thereof.

2,418,096
BAR BUCKLE

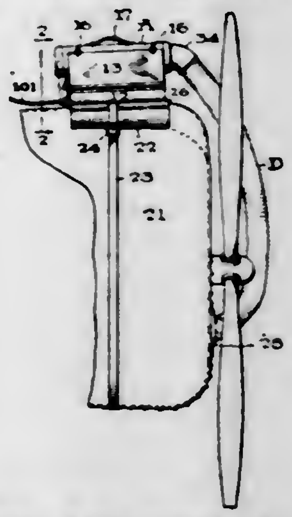
Harry C. Robinson, Chattanooga, Tenn.
Application March 19, 1945, Serial No. 583,519
1 Claim. (Cl. 24—178)



A buckle comprising a substantially rectangular one-piece frame formed of substantially round stock, said frame having a pair of substantially straight end portions and a pair of convexly curved side portions connecting said end portions and with a tongue-carrying center bar also of substantially round stock extending across said frame and permanently united to said convexly curved side portions and providing for a tongue and axis of rotation beyond the area circumscribed by said frame, a tongue mounted centrally on said center bar so that its tip will bear against one of said end members at the concave side of said frame, the construction and arrangement of the buckle being such that when in use stress on the buckle will be carried by the end member at one end of the buckle, and at the other end of the buckle stress will be jointly carried by the center bar, tongue and end member, said center bar having a projection thereon at each side of said tongue for maintaining said tongue in position on said center bar.

2,418,097
ENGINE WARMING APPARATUS

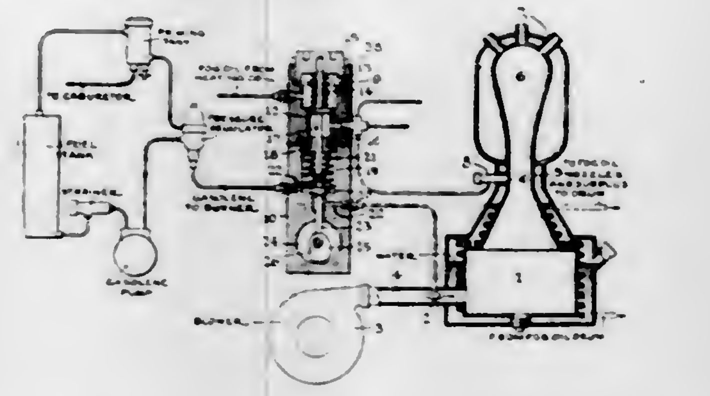
Alonzo W. Ruff, York, Pa., assignor to York-Shipley, Inc., York, Pa., a corporation of Delaware
Application February 24, 1943, Serial No. 476,974
14 Claims. (Cl. 263—19)



1. A compact and portable aircraft engine heater comprising a casing having an air inlet, a motor and fan unit in said casing, an air warmer and combustion unit having outer wall surface exposed to the interior of said casing, a fuel tank having outer wall surface exposed to the interior of said casing, a fuel burner for said air warmer and combustion unit, said fuel burner being supplied with fuel from said tank, said fan drawing air from said casing inlet to produce air circulation through said casing interior and discharging the air into said air warmer and combustion unit, and a pipe for receiving the discharge of heated air and products of combustion from said air warmer and combustion unit and introducing the discharge into an aircraft engine nacelle.

2,418,098
FUEL CONTROL MECHANISM FOR FOG GENERATING MACHINES

Alonzo W. Ruff, York, Pa., assignor to York-Shipley, Inc., York, Pa., a corporation of Delaware
Application April 17, 1945, Serial No. 588,825
7 Claims. (Cl. 158—36)

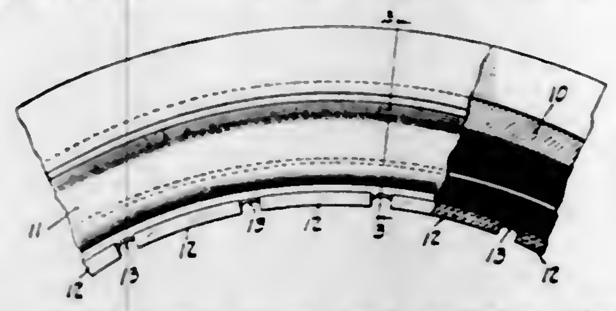


1. In a fog generating machine of the type in which oil under pressure is atomized and projected into a confined and rapidly moving column of a mixture of hot products of combustion and heated air, supplied by a burner; means for controlling the sequence of the starting, rate of operation, and shutting down of the machine, comprising: a valve for controlling the flow of liquid fuel, under pressure, to the burner that supplies the heated air and hot products of combustion for vaporizing the fog oil; a second valve for controlling the supply of fog oil, under pressure, to the generator; and a single, manually-operable means for controlling both valves, the operation of said means, by movement in one direction, functioning to progressively open the said valves, sequentially, with the first said named valve opening in advance of the said second named valve, and the movement of said means in the reverse direction functioning to effect the closing of the valves in the reverse order of their opening.

2,418,099
CLUTCH FACING

Walter P. Schmitter and Edward J. Wellauer, Wauwatosa, Wis., assignors to The Falk Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application March 15, 1945, Serial No. 582,908
1 Claim. (Cl. 192—107)

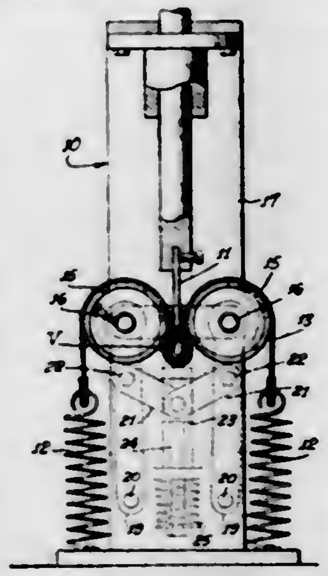
In a clutch or the like energized by an inflatable annular gland, a facing for said gland comprising a circular series of friction shoes surface bonded to a face of said gland, and a series of protective shields surface bonded to said gland face between successive shoes, each of said shields being disposed out of the plane of the friction



faces of adjacent shoes and bridging the gap therebetween.

2,418,100
MACHINE FOR MAKING PLYWOOD IN CURVED SHAPES

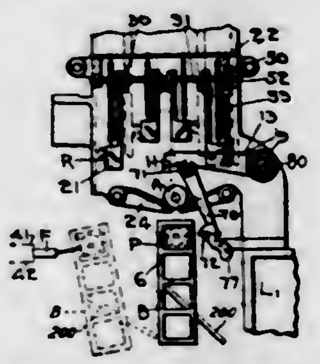
James S. Stewart, Portland, Oreg., assignor to Curved Plywood Products Co., Portland, Oreg., a corporation of Nevada
Application January 22, 1943, Serial No. 473,209
3 Claims. (Cl. 144—254)



1. A machine for making plywood in curved shapes comprising a die shaped to conform to the desired shape of the plywood, a flexible belt adjacent the die on which layers of veneer and bonding material may be positioned, means for holding the belt taut, means for forcing the die toward the belt to cause the belt to press the veneer against the die, opposed rolls on the opposite side of the belt from the die, and means for urging the rolls toward each other whereby, when the die is forced against the veneer the veneer and belt will be carried thereby between the rolls.

2,418,101
STATIONARY MAGAZINE LOOM

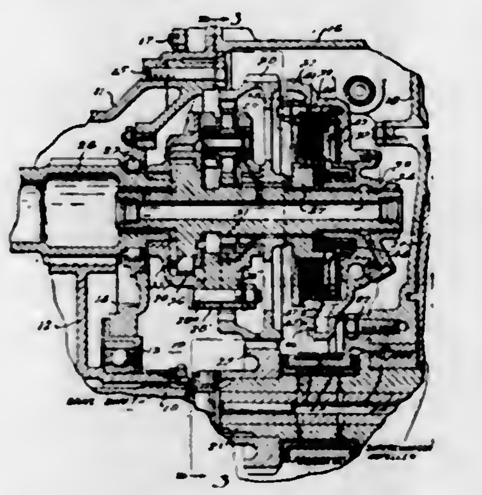
Joseph Stuer, Lawrence, Mass.
Application September 2, 1943, Serial No. 500,947
12 Claims. (Cl. 139—232)



8. In a bobbin changing loom having a stationary reserve bobbin magazine holding two or more vertical stacks of bobbins and having giveways positioned centrally under the bottoms of the vertical stacks, a shuttle box under the giveways, a bunter on the lay and a transfer hammer including a dog, and a weft feeler; bobbin releasing mechanism for releasing a reserve bobbin from said magazine into the giveways for transfer into the box; said weft feeler to detect the weft in the shuttle box; mechanism, controlled and set in action by the weft feeler when weft exhaustion is indicated thereby, to position the dog in front of the bunter and to initiate action to release another reserve bobbin from the magazine into the giveways after transfer and before the next indication in position to be transferred.

2,418,102
INTERNAL-COMBUSTION ENGINE

Jesse G. Vincent, Grosse Pointe Park, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application April 19, 1943, Serial No. 483,669
5 Claims. (Cl. 123—119)



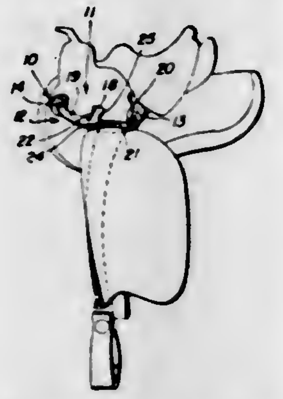
5. In a drive mechanism for an engine supercharger impeller, gearing connecting the engine in one driving relation with the impeller, fluid operated brake means for controlling the gearing to speed up the drive to the impeller when effective, a valve control for the fluid operated brake means, a solenoid for shifting said valve including an actuator coil and a grounded holding coil, an electric circuit connected with said actuator coil including a self-opening control switch and a grounded switch contact, said valve engaging the switch with the grounded contact when the solenoid is deenergized, and an aneroid controlled switch in said circuit, said coils being connected in series through connections with said control switch, said holding coil being energized when said control switch disengages the grounded contact.

2,418,103
ADJUSTABLE STIRRUP SUSPENSION FOR SADDLES

Clint G. Wells, Galveston, Tex.
Application December 3, 1945, Serial No. 632,365
2 Claims. (Cl. 54—44)

1. In a saddle construction including a saddle tree having opposed stirrups and stirrup supporting straps, of means for variably positioning and supporting said stirrup straps on said saddle tree including plates secured to the opposite sides of said saddle tree in spaced relation thereto, centrally disposed upstanding members and spaced upwardly extending attaching ends on said plates forming spaced opposed forward and rear seats, whereby the stirrup straps may be

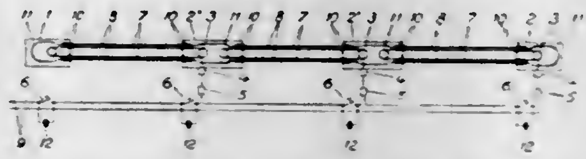
selectively engaged with said seats and may be shiftable from one to the other by sliding the



straps over said centrally disposed upstanding members.

2,418,104
SIGNALING ARRANGEMENT IN A CABLE SYSTEM

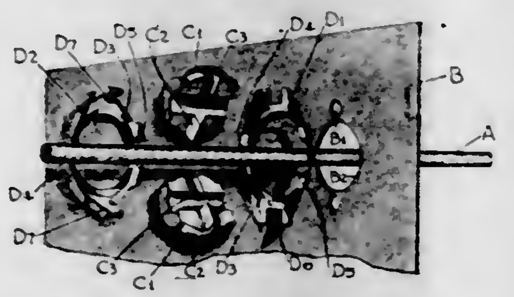
Erik Widén, Angby, and Gunnar Lindahl, Vasteras, Sweden, assignors to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden, a corporation of Sweden
Application January 5, 1944, Serial No. 517,062
In Sweden August 16, 1943
2 Claims. (Cl. 179—2)



1. Arrangement in cable ways divided into a plurality of sections, comprising separate driving machinery for each section, an operating line extending along the cable way and over which a starting direct current or low frequency impulse for the said driving machineries can be sent, in each section point of the cable way a manually operated contact device making contact only when subject to pressure, means connecting all of said contacts in series, so that a starting impulse can proceed to the different section points only when all contacts are operated, and means shunting each of said contact devices, so that audible frequency or high frequency signals and telephone messages can be sent out to all supervisors along the cable way.

2,418,105
FAIRLEAD

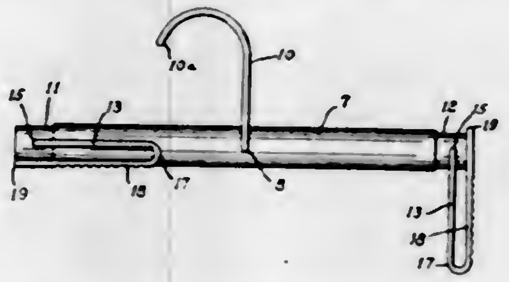
Stanley A. Wohler, Lansdale, Pa., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 29, 1944, Serial No. 528,578
8 Claims. (Cl. 254—190)



6. A cable fairlead, comprising an axially divided core having a central opening adapted to embrace a cable and having a spherical enlargement between its ends, a transversely divided shell including two mating shell parts provided with central spherical recesses adapted to receive said core, and said shell parts having side notches to said recesses to adapt the parts to be slipped laterally upon a cable, and inter-fitting inter-engaging means on said shell parts for holding them together upon the core and thus hold the core parts together upon the cable.

2,418,106
PANTS HANGER

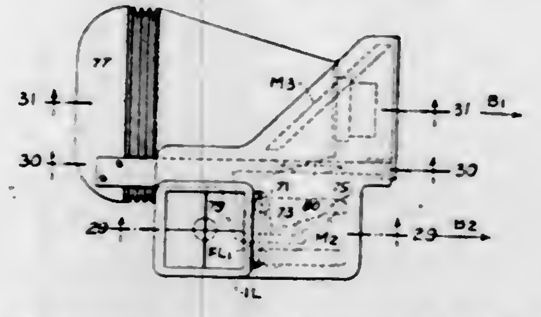
Hans J. Zimmermann, Canton, Ohio
Application October 25, 1945, Serial No. 624,386
8 Claims. (Cl. 223—95)



3. Pants hanger construction including an outer tube, a pair of inner tubes slidable longitudinally therein, foldable loops depending from the outer ends of said inner tubes for engaging the insides of a pair of trousers, said loops having end portions extending into said inner tubes, helical springs interposed between the loop end portions urging said inner tubes longitudinally outwardly away from each other, said loops having upper portions normally engaging over the upper sides of said inner tubes for locking the loops in depending position, and a hook for supporting said outer tube.

2,418,107
CAMERA VIEW AND RANGE FINDER

Alfred Simmon, Jackson Heights, N. Y., assignor to Simmon Brothers, Inc., Long Island City, N. Y., a corporation of New York
Application April 29, 1944, Serial No. 533,271
30 Claims. (Cl. 95—44)

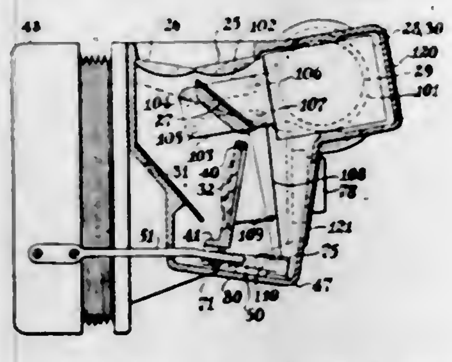


1. In a camera with a focusable lens, a range finder of the split-image, brilliant type comprising a supporting structure, a first optical system for one part image and a second optical system for the other part image, both systems in cooperative relation with each other, the first system including a first reflector into which the observer looks, which is closer to the observer's eye than any other optical element and which is inclined by substantially 45° against the substantially vertical line of vision, a first positive field lens, a second reflector, a first positive image forming lens, and a third reflector, these five elements arranged in that order and so disposed within said supporting structure that the first image forming lens forms a real image of one part of the object to be photographed substantially in the plane of said first field lens, the second system including a second field lens, a

fourth reflector, and a second image forming lens, these three elements arranged in that order and so disposed within said supporting structure that the second image forming lens forms a real image of another part of said object substantially in the plane of said second field lens, the two part image system so arranged within said supporting structure as to depict to the observer substantially supplementary parts of said object, in apparently adjacent relationship, and means to shift the part image formed by one optical system into register with the part image formed by the other optical system, the magnitude of said shift being indicative of the distance of said object from the camera.

2,418,108
CAMERA VIEW AND RANGE FINDER

Alfred Simmon, Jackson Heights, N. Y., assignor to Simmon Brothers, Inc., Long Island City, N. Y., a corporation of New York
Application December 28, 1945, Serial No. 637,600
23 Claims. (Cl. 95—44)



1. In a camera with a focusable lens, a range finder of the split image, brilliant, type comprising a supporting structure, a first optical system for one part image, and a second optical system for the other part image, both systems in cooperative relationship with each other, the first system including a first field lens into which the observer looks and which is arranged in a substantially horizontal plane, substantially at right angles to the substantially vertical line of vision, a first reflector, a second reflector, a first positive image forming lens, and a third reflector, these five elements arranged in that order and so disposed within said supporting structure that the reflectors are inclined by angles of substantially 45° against the central ray of the system, said central ray emerging finally from said third reflector in a forward and substantially horizontal direction, substantially parallel to the axis of the camera lens, the first image forming lens forming a real image of one part of the object to be photographed substantially in the plane of said first field lens, the second system including a second field lens into which the observer looks and which is arranged adjacent to said first field lens in a substantially horizontal plane, substantially at right angles to the substantially vertical line of vision, a fourth reflector, and a second image forming lens, these three elements arranged in that order and so disposed within said supporting structure that the reflector is inclined by substantially 45° against the central ray of the second system, said central ray of the second system emerging finally from said image forming lens in a forward and substantially horizontal direction, substantially parallel to the axis of the camera lens, the second image forming lens forming a real image of the other part of the object to be photographed substantially in the plane of second field lens, the two part image systems so arranged within said supporting structure as to depict substantially supplementary parts of said object in adjacent relationship, the boundary line between the two adjacent field lenses forming a stationary parting line between the two part images, independent of small movement of the observer's head, and means to shift, in coordination with the focusing movement of the camera lens, the part image formed by one optical system into register with the part image formed by the other optical system, the magnitude of said shift being indicative of the distance of said object from the camera.

DESIGNS

MARCH 25, 1947

146,494

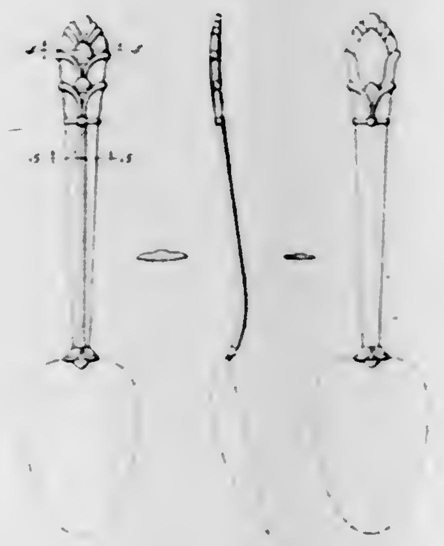
DESIGN FOR A SPOON OR ANALOGOUS ARTICLE

Charles B. Blake, Pelham Manor, N. Y., assignor to Tiffany & Company, a corporation of New York

Application November 22, 1946, Serial No. 135,022

Term of patent 14 years

(Cl. D54—12)



The ornamental design for a spoon or analogous article, as shown and described.

146,495

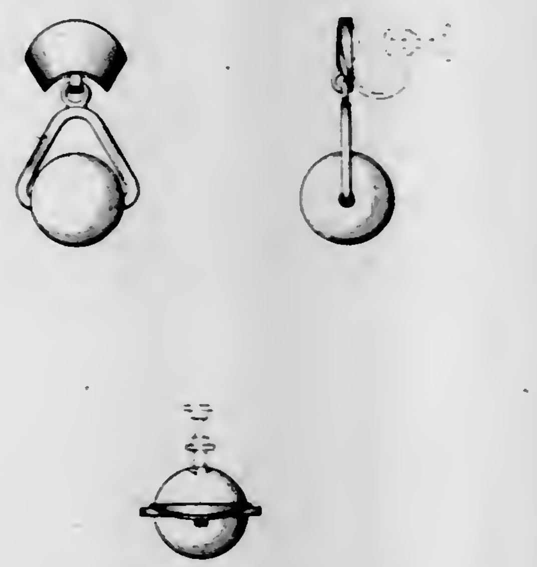
DESIGN FOR AN EARRING OR SIMILAR ARTICLE

Michael Chernow, New York, N. Y.

Application May 29, 1946, Serial No. 130,209

Term of patent 7 years

(Cl. D45—9)



The ornamental design for an earring or similar article, substantially as shown.

146,496

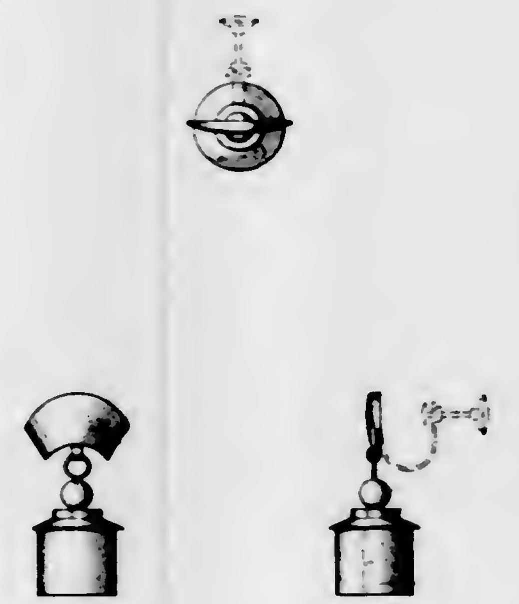
DESIGN FOR AN EARRING OR SIMILAR ARTICLE

Michael Chernow, New York, N. Y.

Application May 29, 1946, Serial No. 130,210

Term of patent 7 years

(Cl. D45—9)



The ornamental design for an earring or similar article, substantially as shown.

146,497

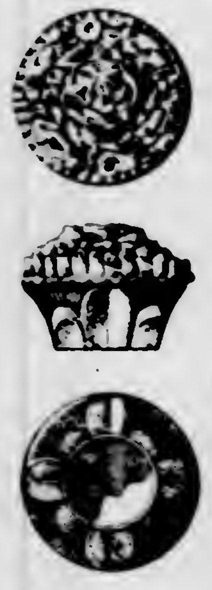
DESIGN FOR A CONTAINER CAP

Philip A. Derham, Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York

Application February 18, 1946, Serial No. 126,665

Term of patent 14 years

(Cl. D58—26)



The ornamental design for a container cap, substantially as shown.

146,498

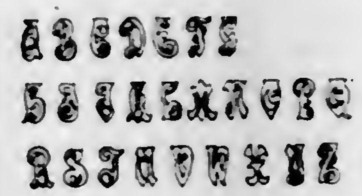
DESIGN FOR A FONT OF TYPE OR SIMILAR ARTICLE

George E. Dietze, Pittsburgh, Pa., assignor of one-half to Harry J. Wald and Leon Wald, both of Pittsburgh, Pa.

Application April 13, 1946, Serial No. 128,566

Term of patent 14 years

(Cl. D64—12)



The ornamental design for a font of type or similar article, as shown.

146,499

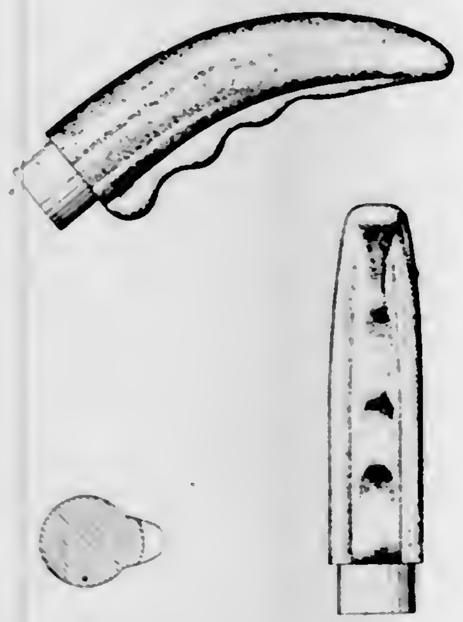
DESIGN FOR A MOLDED HANDLE FOR SWEEPERS, VACUUM CLEANERS AND SIMILAR ARTICLES

John F. Finn, Burbank, Calif., assignor, by mesne assignments, to Frederick K. Storm, Jr., Los Angeles, Calif.

Application July 30, 1945, Serial No. 121,087

Term of patent 14 years

(Cl. D9—2)



The ornamental design for a molded handle for sweepers, vacuum cleaners and similar articles, substantially as shown.

146,500

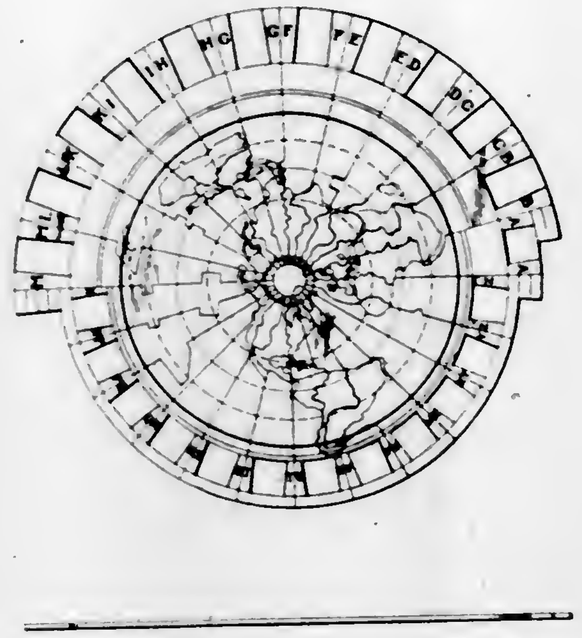
DESIGN FOR A GLOBAL TIME DIAL OR SIMILAR ARTICLE

Albert E. Freel, Tallahassee, Fla.

Application June 24, 1946, Serial No. 130,953

Term of patent 14 years

(Cl. D42—10)



The ornamental design for a global time dial or similar article, as shown.

146,501

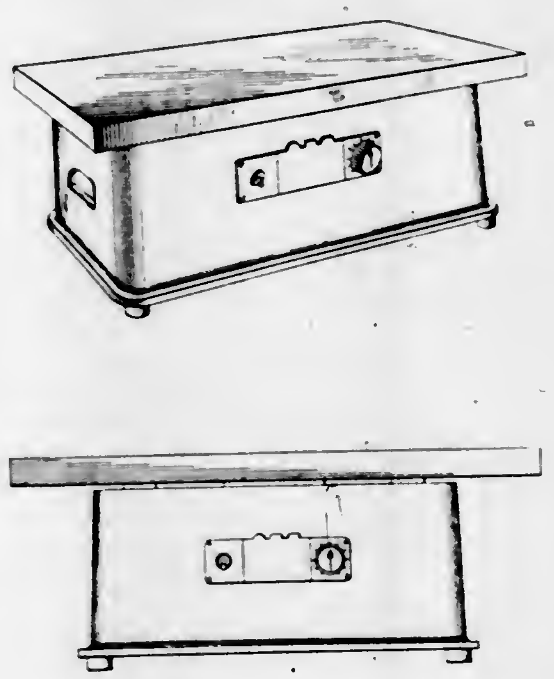
DESIGN FOR A VIBRATING JOGGER FOR PAPER SHEETS OR THE LIKE

Fred A. Hacker, Cranford, N. J., assignor, by mesne assignments, to American Type Founders, Incorporated, Elizabeth, N. J., a corporation of New Jersey

Application March 28, 1946, Serial No. 128,037

Term of patent 14 years

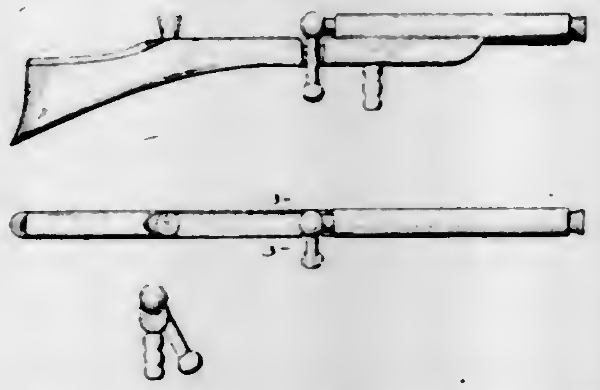
(Cl. D64—11)



The ornamental design for a vibrating jogger for paper sheets or the like, as shown and described.

146,502
DESIGN FOR A TOY GUN

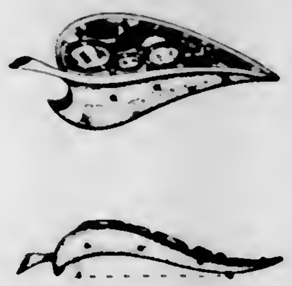
Wallace C. Hooper, Los Angeles, Calif.
Application November 28, 1945, Serial No. 124,122
Term of patent 3½ years
(Cl. D34—15)



The ornamental design for a toy gun, as shown.

146,503
DESIGN FOR A BROOCH OR SIMILAR ARTICLE

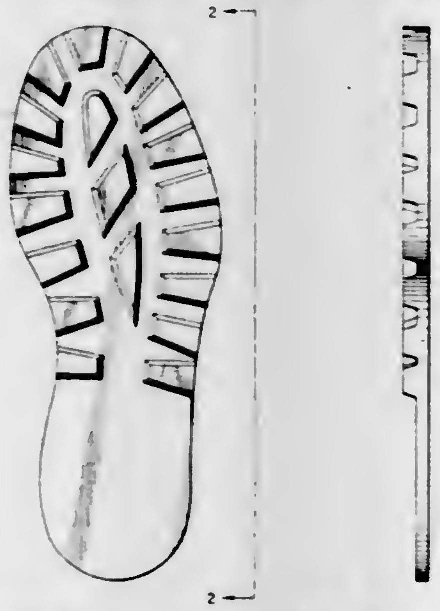
Adolph Katz, Providence, R. I., assignor to Coro Inc., New York, N. Y., a corporation of New York
Application May 31, 1946, Serial No. 130,255
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

146,504
DESIGN FOR A SHOE SOLE

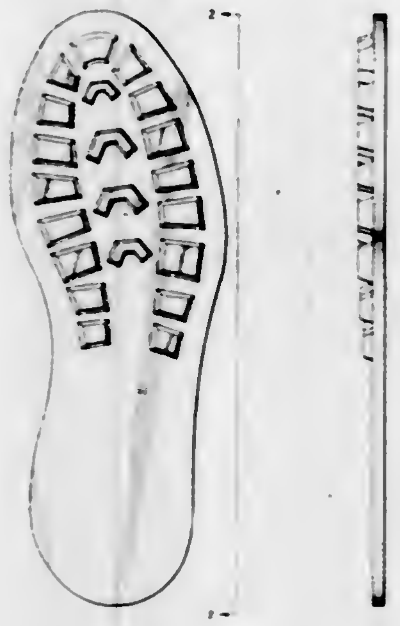
William E. Kavenagh, Windsor, Vt., assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Application October 26, 1946, Serial No. 134,273
Term of patent 14 years
(Cl. D7—5)



The ornamental design for a shoe sole, as shown.

146,505
DESIGN FOR A SHOE SOLE

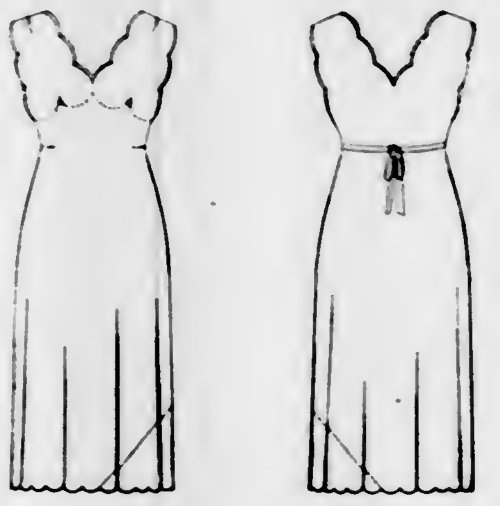
William E. Kavenagh, Windsor, Vt., assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Application October 26, 1946, Serial No. 134,274
Term of patent 14 years
(Cl. D7—5)



The ornamental design for a shoe sole, as shown.

146,506
DESIGN FOR A NIGHTGOWN

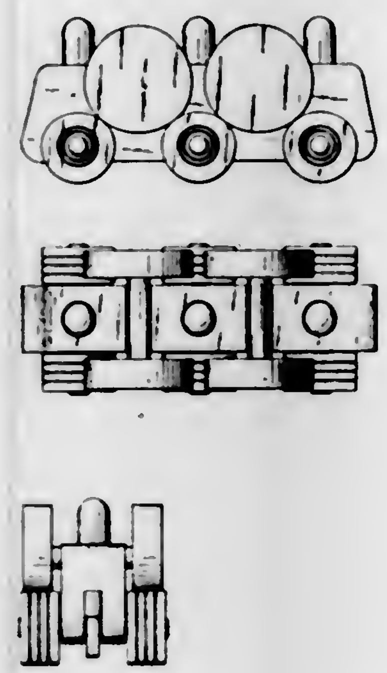
Mary O. Kenny, San Bernardino, Calif.
Application April 23, 1946, Serial No. 128,879
Term of patent 14 years
(Cl. D3—26)



The ornamental design for a nightgown, as shown.

146,507
DESIGN FOR A MULTIPLE WHEELED PULL TOY

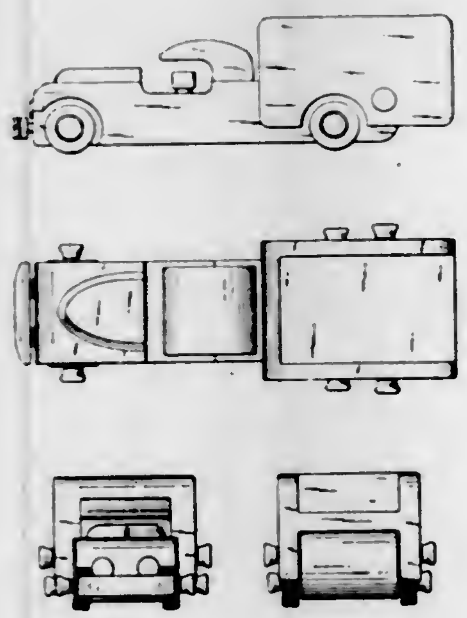
Olai F. Larsen, Jr., Demarest, N. J., assignor to Noma Electric Corporation, New York, N. Y., a corporation of New York
Application March 14, 1946, Serial No. 127,509
Term of patent 14 years
(Cl. D34—15)



The ornamental design for a multiple wheeled pull toy, as shown.

146,508
DESIGN FOR A TOY DUMP TRUCK

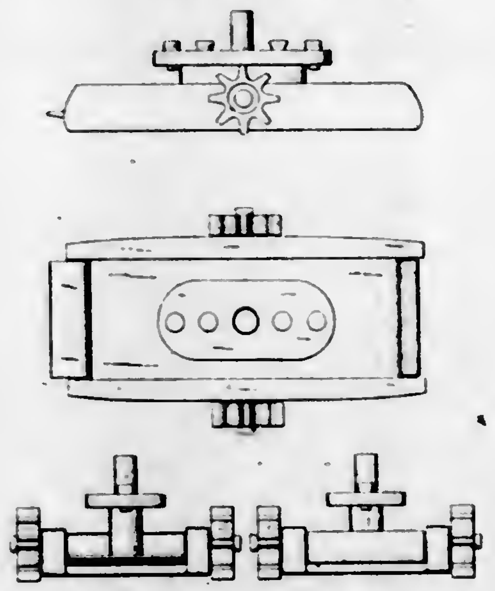
Olai F. Larsen, Jr., Demarest, N. J., assignor to Noma Electric Corporation, New York, N. Y., a corporation of New York
Application March 14, 1946, Serial No. 127,510
Term of patent 14 years
(Cl. D34—15)



The ornamental design for a toy dump truck, as shown.

146,509
DESIGN FOR A TOY FERRYBOAT

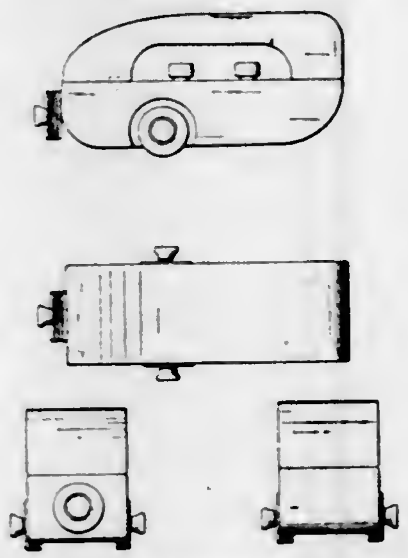
Olai F. Larsen, Jr., Demarest, N. J., assignor to Noma Electric Corporation, New York, N. Y., a corporation of New York
Application March 14, 1946, Serial No. 127,516
Term of patent 14 years
(Cl. D34—15)



The ornamental design for a toy ferryboat, as shown.

146,510
DESIGN FOR A TOY TRAILER

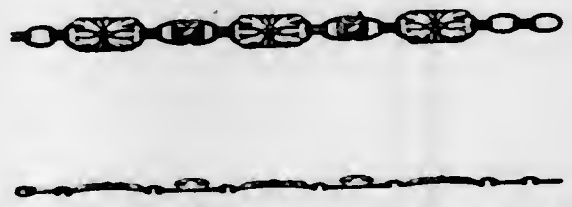
Olai F. Larsen, Jr., Demarest, N. J., assignor to Noma Electric Corporation, New York, N. Y., a corporation of New York
Application April 3, 1946, Serial No. 128,230
Term of patent 14 years
(Cl. D34—15)



The ornamental design for a toy trailer, as shown.

146,511
DESIGN FOR A BRACELET

George J. Lederer, Providence, R. I.
Application February 12, 1946, Serial No. 126,502
Term of patent 3½ years
(Cl. D45—4)

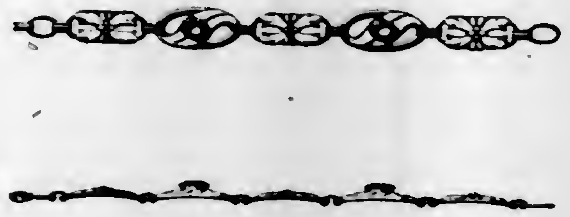


The ornamental design for a bracelet, as shown.

146,512

DESIGN FOR A BRACELET

George J. Lederer, Providence, R. I.
Application February 12, 1946, Serial No. 126,504
Term of patent 3½ years
(Cl. D45—4)

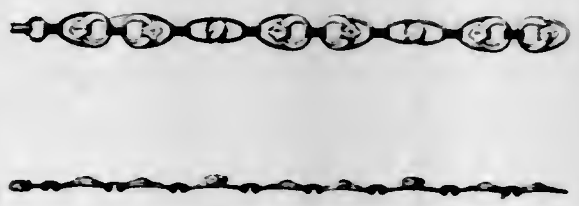


The ornamental design for a bracelet, as shown.

146,513

DESIGN FOR A BRACELET

George J. Lederer, Providence, R. I.
Application February 12, 1946, Serial No. 126,506
Term of patent 3½ years
(Cl. D45—4)

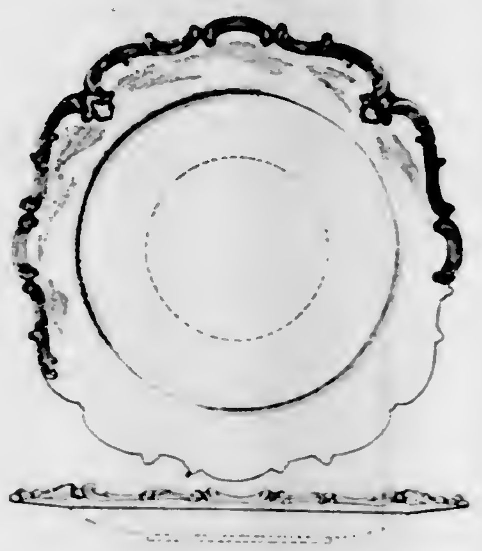


The ornamental design for a bracelet, as shown.

146,514

DESIGN FOR A PLATE OR SIMILAR ARTICLE

Harry A. Malinowski, Meriden, Conn., assignor to The Ellmore Silver Co., Inc., Meriden, Conn., a corporation of Connecticut
Application January 15, 1946, Serial No. 125,568
Term of patent 14 years
(Cl. D44—15)

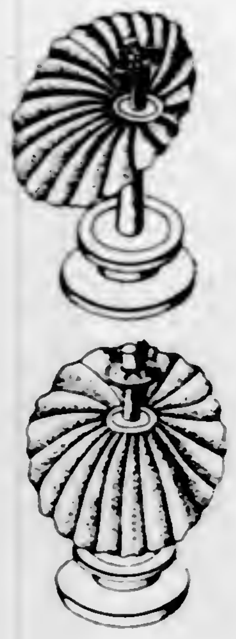


The ornamental design for a plate or similar article, substantially as shown and described.

146,515

DESIGN FOR A DISPLAY STAND OR SIMILAR ARTICLE

Batrisha Matuzoff, Hollywood, Calif.
Application October 17, 1945, Serial No. 122,928
Term of patent 14 years
(Cl. D80—9)

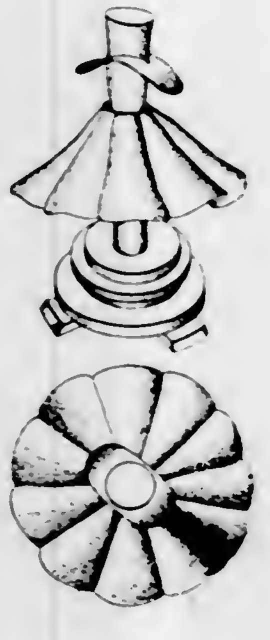


The ornamental design for a display stand or similar article, as shown.

146,516

DESIGN FOR A DISPLAY STAND OR SIMILAR ARTICLE

Batrisha Matuzoff, Hollywood, Calif.
Application October 17, 1945, Serial No. 122,929
Term of patent 14 years
(Cl. D80—9)

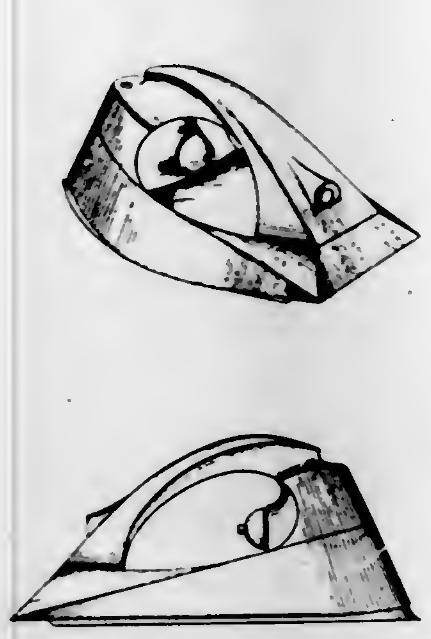


The ornamental design for a display stand or similar article, as shown.

146,517

DESIGN FOR AN ELECTRIC IRON

Hendrik Albert Nieboer, London, England
Application February 19, 1946, Serial No. 126,702
In Great Britain October 16, 1945
Term of patent 7 years
(Cl. D49—6)

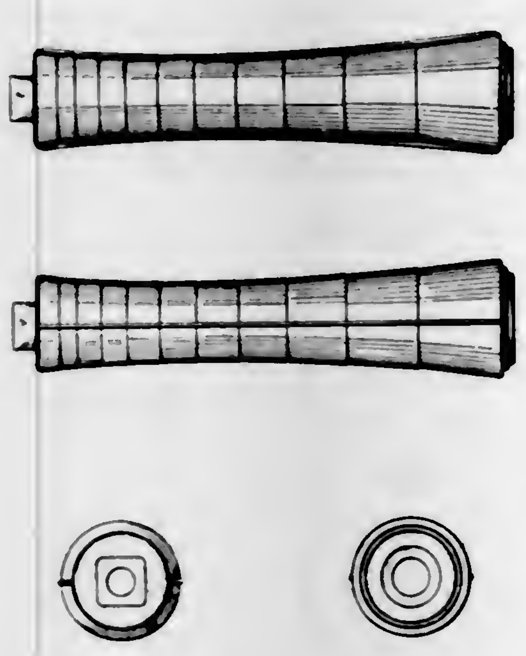


The ornamental design for an electric iron, substantially as shown.

146,518

DESIGN FOR A HANDLE FOR COOKING VESSELS AND THE LIKE

Alfred Faustin Ramsthal, West Bend, Wis., assignor to West Bend Aluminum Company, West Bend, Wis., a corporation of Wisconsin
Application January 31, 1946, Serial No. 126,124
Term of patent 14 years
(Cl. D44—29)

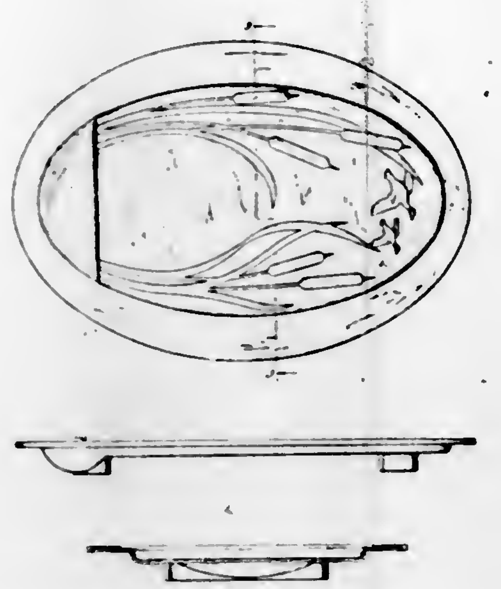


The ornamental design for a handle for cooking vessels and the like, as shown.

146,519

DESIGN FOR A PLATTER OR SIMILAR ARTICLE

Alfred Faustin Ramsthal, West Bend, Wis., assignor to West Bend Aluminum Company, West Bend, Wis., a corporation of Wisconsin
Application January 31, 1946, Serial No. 126,126
Term of patent 14 years
(Cl. D44—15)

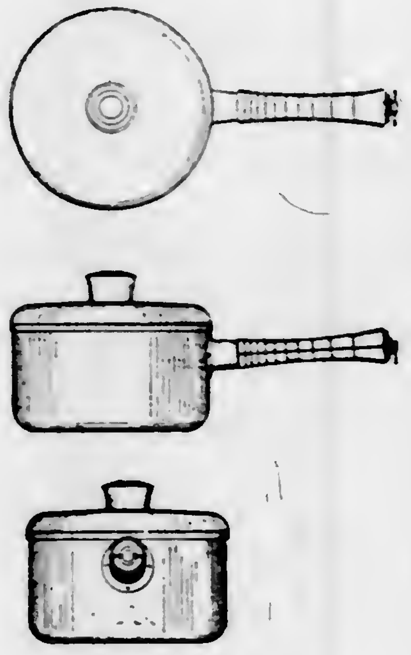


The ornamental design for a platter or similar article, as shown.

146,520

DESIGN FOR A SAUCEPAN OR SIMILAR ARTICLE

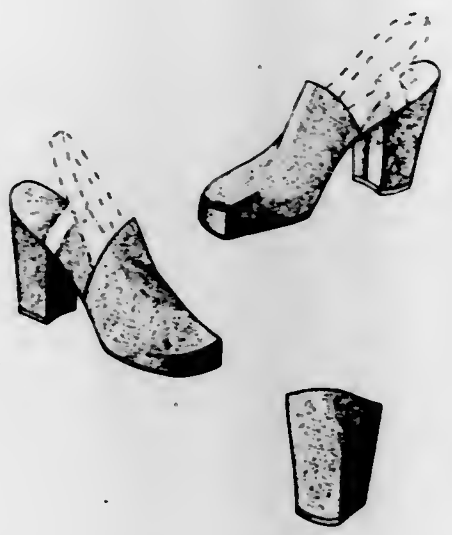
Alfred Faustin Ramsthal, West Bend, Wis., assignor to West Bend Aluminum Company, West Bend, Wis., a corporation of Wisconsin
Application January 31, 1946, Serial No. 126,128
Term of patent 14 years
(Cl. D44—1)



The ornamental design for a saucepan or similar article, as shown.

146,521
DESIGN FOR A SHOE

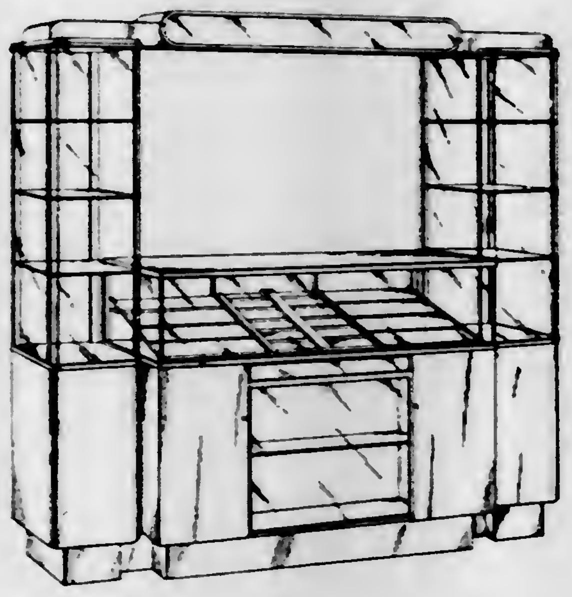
Christy Reggie, Waynesville, N. C.
Application October 22, 1946, Serial No. 134,166
Term of patent 7 years
(Cl. D7—7)



The ornamental design for a shoe, substantially as shown and described.

146,522
DESIGN FOR A MERCHANDISE SHOWCASE OR THE LIKE

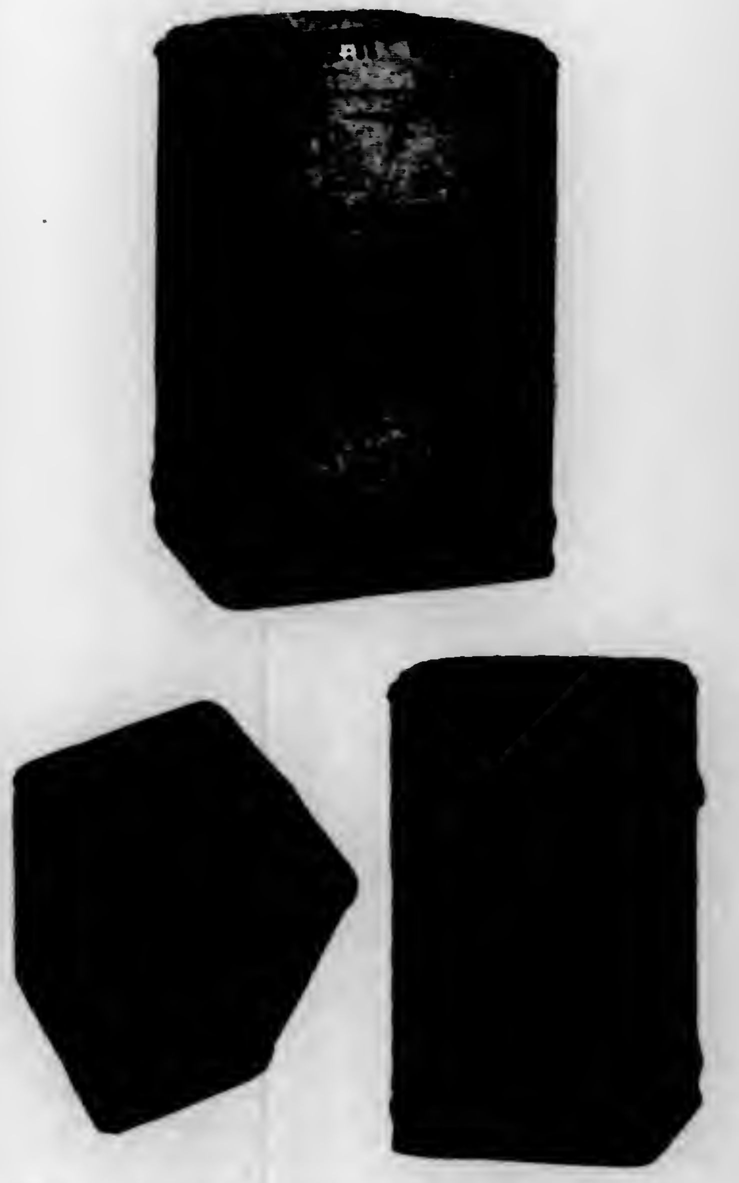
Paul M. Bessinger, Chicago, Ill.
Application July 28, 1945, Serial No. 121,033
Term of patent 14 years
(Cl. D80—11)



The ornamental design for a merchandise showcase or the like, substantially as shown and described.

146,523
DESIGN FOR A STOVE

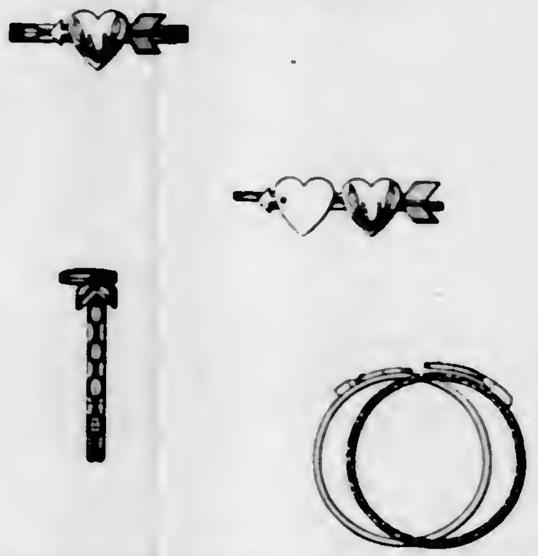
Lauren R. Reynolds, Joplin, Mo.
Application December 5, 1945, Serial No. 124,368
Term of patent 14 years
(Cl. D81—19)



The ornamental design for a stove, as shown.

146,524
DESIGN FOR A FINGER RING OR SIMILAR ARTICLE

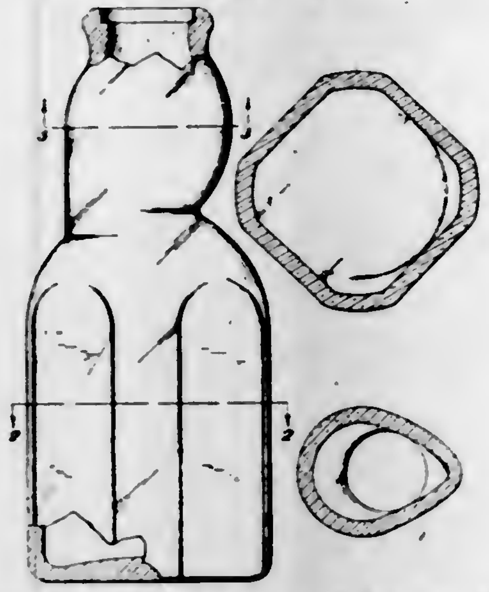
Celia Robbins, New York, N. Y.
Application May 21, 1946, Serial No. 129,953
Term of patent 7 years
(Cl. D45—10)



The ornamental design for a finger ring or similar article, as shown.

146,525
DESIGN FOR A BOTTLE

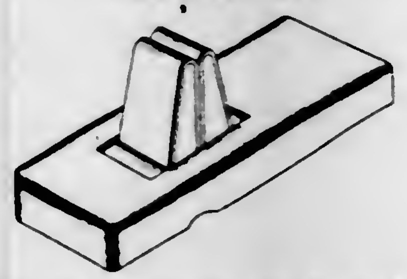
Emile Scheemaeker, Blackstone, Mass.
Application September 12, 1945, Serial No. 122,054
Term of patent 14 years
(Cl. D58—6)



The ornamental design for a bottle, as shown.

146,526
DESIGN FOR A HOLDER FOR TABLEWARE OR OTHER ARTICLES

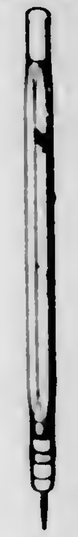
Edward L. Shaw, Brookline, Mass., assignor to Hawkridge Brothers Company, Boston, Mass., a corporation of Massachusetts
Application August 14, 1945, Serial No. 121,427
Term of patent 3½ years
(Cl. D44—24)



The ornamental design for a holder for tableware or other articles, substantially as shown.

146,527
DESIGN FOR A DRAFTSMAN'S PENCIL

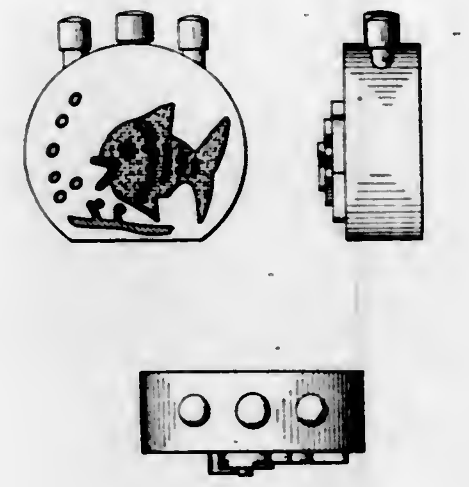
Emil Shetlin, Los Angeles, Calif.
Application May 20, 1946, Serial No. 129,874
Term of patent 3½ years
(Cl. D74—24)



The ornamental design for a draftman's pencil, substantially as shown.

146,528
DESIGN FOR A PERFUME CONTAINER OR THE LIKE

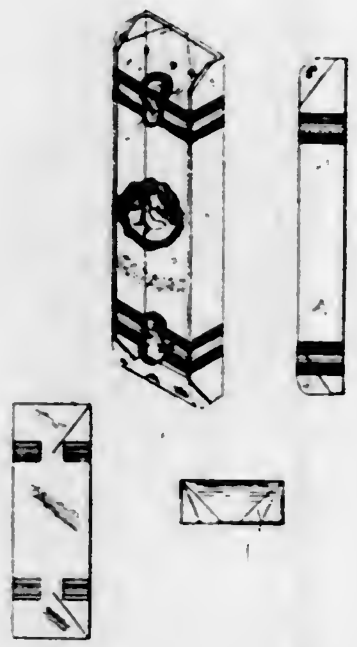
Takeo Shimotori, Wahiawa, Hawaii
Application November 16, 1945, Serial No. 123,828
Term of patent 14 years
(Cl. D58—8)



The ornamental design for a perfume container or the like, substantially as shown and described.

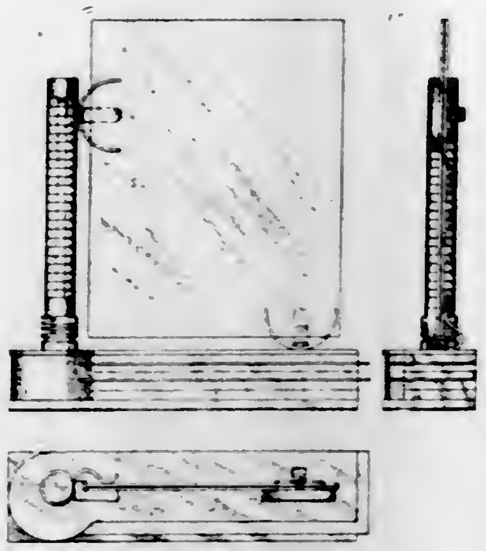
146,529
DESIGN FOR A CIGAR PACKAGE

Anthony Suraci, Scranton, Pa.
Application November 24, 1945, Serial No. 124,050
Term of patent 14 years
(Cl. D80—5)



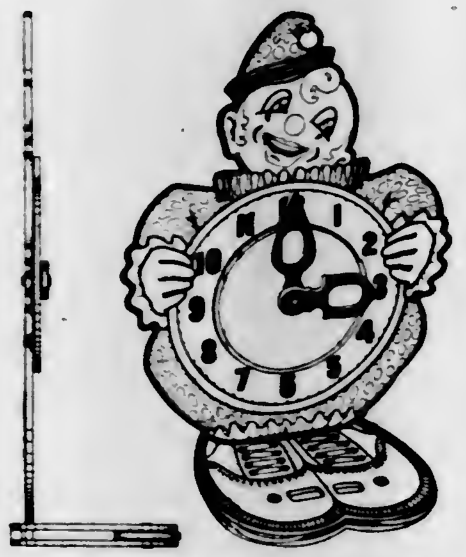
The ornamental design for a cigar package, as shown.

146,530
DESIGN FOR A PICTURE STAND
Joseph J. Swartzmiller, Carnegie, Pa.
Application May 3, 1946, Serial No. 129,288
Term of patent 3½ years
(Cl. D29—20)



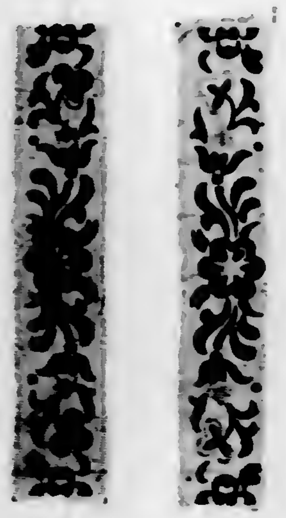
The ornamental design for a picture stand, as shown.

146,531
DESIGN FOR A CLOCK FIGURE TOY
Harry A. Tomarin, Cincinnati, Ohio
Application August 27, 1946, Serial No. 132,885
Term of patent 14 years
(Cl. D34—15)



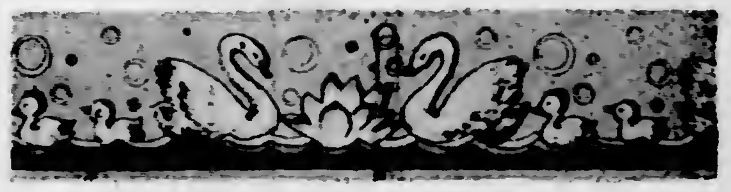
The ornamental design for a clock figure toy, as shown.

146,532
DESIGN FOR WALLPAPER BORDER OR SIMILAR ARTICLE
Ada Westrate, Chicago, Ill., assignor to The Meyercord Co., Chicago, Ill., a corporation of Illinois
Application April 4, 1946, Serial No. 128,251
Term of patent 3½ years
(Cl. D59—10)



The ornamental design for wallpaper border or similar article, as shown.

146,533
DESIGN FOR WALLPAPER BORDER OR SIMILAR ARTICLE
Ada Westrate, Chicago, Ill., assignor to The Meyercord Co., Chicago, Ill., a corporation of Illinois
Application April 4, 1946, Serial No. 128,257
Term of patent 3½ years
(Cl. D59—10)



The ornamental design for wallpaper border or similar article, as shown.

OFFICIAL GAZETTE

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CONTENTS

Page

Decisions in Patent and Trade-Mark Cases, April 1, 8, 15, 22, 29 — 5, 145, 295, 455, 601
Trade-Marks Published and Registered, April 1, 8, 15, 22, 29 — 13, 155, 309, 463, 613
Reissues, April 1, 8, 15, 22, 29 — 51, 191, 343, —, 653
Plant Patents, April 1, 8, 15, 22, 29 — 51, —, —, —, —
Patents, April 1, 8, 15, 22, 29 — 52, 193, 345, 499, 655
Designs, April 1, 8, 15, 22, 29 — 136, 281, 438, 581, 758

ANNOUNCEMENTS

Page

Applications—Condition of pending — 4, 144, 294, 454, 600
Bulletin of Decisions on Trade-Marks — 609
Notices:
  Adverse Decisions in Interference — 150, 459
  Attorney, Disbarment of, *Order No. 3939* — 306
  Attorneys and agents, Examination for registration to practice — 459, 606
  Cancellation notices — 9, 150
  Disclaimers:
    Borden, Perry A — 306
    Brown, Cicero C., et al — 150
    Crowell, Erd V. (2 cases) — 150
    Elmer, William B — 150
    Ferris, Malcolm — 606
    Gaugler, Richard S — 306
    Hitchcock, Rex B., et al — 459
    Kittredge, Linus E — 150
    Knott Company, Inc., Wm. T — 150
    Myerson, Simon (2 cases) — 606
    Peterson, Edward S — 606
    Truesdell, Francis W — 306
    Willard, Waldo W — 150
    Wilson, John C — 606
  Foreign Patents received in the Scientific Library, list as of March 31, 1947 — 459
  Interference notices, The American Motor Products Corporation — 306, 460, 606
  Patents, List of adjudicated — 306, 606
  Reciprocity with Holland, Sections 1 and 3, *Public Law 690* — 306
  Reciprocity with Great Britain, Sections 1, 2, 3, *Public Law 690* — 458
Patent Suits — 8, 148, 605
Register of Patents Available for Licensing or Sale — 9, 150, 307, 460, 606
Trade-Mark Registrations Canceled — 9, 149

TABLE OF CASES REPORTED

Page

* Cridlebaugh, J. Clayton, doing business as Marvel Co., *v.* Montgomery Ward & Co., Inc — 6
* Curley et al., In re — 145
^{d} Hatch, Roswell F., et al. *v.* Ooms, Commissioner of Patents — 295
* Leum et al., In re — 305

Page

* Loiseleur, In re — 457
* Megow et al., In re — 601
* Orsini, In re — 5
* Simpson et al. *v.* Voorhees — 455
* Storsand, In re — 602

[Decisions of the District Court of the United States for the District of Columbia are indicated by the letter (^{d}); and of the United States Court of Customs and Patent Appeals by an asterisk (*).]

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

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U. S. Patent Office

CASPER W. OOMS, *Commissioner*

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Contents

Page
Issue of April 1, 1947 3
Patents Expiring 3
Applications Under Examination 4

Decisions of the U. S. Courts—

In re Orsini 5
J. Clayton Cridlebaugh, Doing Business as Marvel Co. v. Montgomery Ward & Co., Inc. 6
Patent Suits 8
Trade-Mark Registrations Canceled 9

Notices

Notice of Cancellation 9
Register of Patents Available for Licensing or Sale 9
Trade-Marks Published (186 Applications) 13
Trade-Mark Registrations Granted 37
Trade-Mark Registrations Renewed 46
Reissues 51
Plant Patents 51
Patents Granted 52
Designs 136

April 1, 1947

Trade-Marks	205—No. 428,629	to No. 428,833,	inclusive
T. M. Renewals. . . .	80		
Reissues	2—No. 22,859	to No. 22,860,	inclusive
Plant Patents.	2—No. 733	to No. 734,	inclusive
Patents	336—No. 2,418,109	to No. 2,418,444,	inclusive
Designs	16—No. 146,534	to No. 146,549,	inclusive
Total	641		

Patents expiring: Patent Numbers 1,752,285 to 1,753,189, inclusive, issued April 1, 1930, expire April 1, 1947

Condition of Applications Under Examination at Close of Business March 14, 1947

(Total number of applications awaiting action, excluding Trade-Mark Division, 143,085; Trade-Mark Division, 12,699. Oldest new case, June 29, 1945; oldest amended, July 2, 1945.)
(The dates given are 1945 except where * indicates 1946.)

Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action		No. of applications awaiting action
	New	Amended	
1. GOLDBERG, A. J., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	Aug. 17	Oct. 22	2827
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	Oct. 12	Oct. 8	3405
3. SCHIMMEL, J., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	Oct. 10	Oct. 5	2022
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Package and Article Carriers; Pneumatic Dispatch, Store Service; Mining, Quarrying, and Ice Harvesting.	Nov. 13	Nov. 2	2780
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	July 3	July 9	4303
6. GENIESSE, E. W., Carbon Chemistry (part)	*Jan. 11	*Feb. 15	1899
7. HANLIN, GEORGE, Optics, Photography	*Mar. 29	*Mar. 15	1961
8. IMUS, A. E., Furniture; Kitchen and Table Articles; Racks and Cabinets	Sept. 28	Oct. 8	3786
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	Oct. 3	Sept. 5	2231
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Modulators.	Nov. 27	Dec. 3	1443
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	*Apr. 5	*June 15	810
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	Nov. 13	Nov. 8	2707
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	June 29	Aug. 6	2259
14. FREEHOF, H. B., Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	Nov. 29	Dec. 14	1489
15. HENKIN, B., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Heterocyclic Compounds (part); Plastics.	*Mar. 11	*Mar. 7	1294
16. LOVEWELL, N. N., Telegraphy; Telephony	*Feb. 10	*Jan. 30	1250
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Dec. 29	Nov. 10	1264
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	Aug. 17	Aug. 2	1903
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	*Jan. 16	*Jan. 5	1773
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	Sept. 15	Aug. 28	2170
21. THOMPSON, T. J., Textiles	*Mar. 18	*June 10	906
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Nov. 2	Nov. 15	1943
23. LEWIS, J. B., Cash Registers; Calculators (part)	Dec. 1	Oct. 1	237
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	*July 9	*Aug. 1	1527
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Sept. 13	Oct. 15	1708
26. YOUNG, R. R., Electricity—Generation and Motive Power	Nov. 2	Nov. 5	2134
27. JAMES S., Brush, Broom, and Map Making; Brushing, Scrubbing, Cleaning; Liquid Contact with Solids.	Dec. 1	Nov. 30	2330
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons.	Oct. 11	Aug. 6	1624
29. SHKLARIN, J. B., Baggage; Cloth, Leather and Rubber Receptacles; Button Making; Woodworking; Tools.	Sept. 28	Dec. 8	2503
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	Nov. 23	Nov. 23	2443
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	*Sept. 14	*Sept. 7	727
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Nov. 26	Dec. 3	2402
33. KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	Oct. 18	Oct. 10	3527
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators	Nov. 26	Dec. 14	1344
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Nov. 19	Sept. 24	2272
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	Aug. 28	Sept. 14	1885
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Dec. 27	*Jan. 10	1514
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part); Rubber (part); Ornamentation	*Jan. 22	*Jan. 30	1388
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	Aug. 17	Aug. 17	2571
40. DRUMMOND, E. J., Receptacles (part); Packages	Nov. 8	Dec. 18	2860
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Nov. 13	Nov. 7	881
42. MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters	*Mar. 26	*Apr. 25	1013
43. STONE, I. G., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	*Mar. 2	*Jan. 4	1095
44. HARVEY, L. P., Refrigeration; Preserving	July 17	Aug. 27	1367
45. LISANN, I., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Spring, Weight and Horsepower Motors.	Oct. 4	Sept. 20	2471
46. MUSHAKE, W. I., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Dec. 27	*Jan. 3	1682
47. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	*Jan. 5	*Jan. 7	2857
48. BERNSTEIN, S., Electricity, General Applications; Electric Igniters	Aug. 30	Sept. 4	2030
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Nov. 19	Nov. 2	1574
50. LEVIN, SAMUEL, Synthetic Resins	*Jan. 29	*Jan. 29	2458
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae).	Oct. 26	Oct. 26	2181
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	Nov. 30	Nov. 23	3329
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	July 3	July 2	4161
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	Oct. 24	Nov. 14	2136
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	Sept. 14	Oct. 26	1877
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	Dec. 22	Dec. 15	1455
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Aug. 21	Oct. 9	3056
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	*Feb. 16	*Feb. 19	1412
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part)	Sept. 11	Sept. 13	2117
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	Oct. 2	*Jan. 7	1980
61. LANNAN J., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys and Ships.	Nov. 13	Nov. 2	2655
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	Aug. 4	Aug. 1	4016
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	Nov. 20	Oct. 24	2003
64. NASH P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	*Aug. 23	*Aug. 28	1098
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	Sept. 14	Sept. 20	2296
TRADE-MARKS: MERCHANT, J. H.	*Apr. 5	*Oct. 3	12699
DESIGNS: BREHM, G. L., Acting	*Jan. 18	*Oct. 14	8484

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Agricultural Petroleum Equipment Corporation, Chicago, Ill. Service units consisting of metal drums and/or tanks. Serial No. 505,329; Apr. 1. Class 2.

Algene Mfg. Co., New York, N. Y. Radio receiving sets. Serial No. 507,180; Apr. 1. Class 21.

Allied Stores Corporation, Wilmington, Del.; doing business as The Bon Marche, Seattle, Wash., Dey Brothers & Company, Syracuse, N. Y., and Quackenbush Company, Paterson, N. J. Radio receiving sets and radio phonograph combinations. Serial No. 502,249; Apr. 1. Class 21.

American Brake Shoe Company, New York, N. Y. Bare and coated welding rods. Serial No. 470,552; Apr. 1. Class 14.

American Chemical Paint Company, Ambler, Pa. Chemical preparations. Serial No. 499,601; Apr. 1. Class 6.

American Industrial Co., Inc., Indianapolis, Ind. Soapless cleaning compounds. Serial No. 491,306; Apr. 1. Class 4.

American Octanator Corporation, Providence, R. I. Accessory for internal combustion engines. Serial No. 502,250; Apr. 1. Class 23.

American Thread Company, The, New York, N. Y. Thread. Serial No. 510,297; Apr. 1. Class 43.

Argus Manufacturing Company, Chicago, Ill. Ventilating equipment. Serial No. 512,953; Apr. 1. Class 34.

Arnold, Hoffman & Co. Incorporated, Providence, R. I. Chemical to be added to fire fighting liquid. Serial No. 501,893; Apr. 1. Class 6.

Arrow Undies, Inc., New York, N. Y. Ladies' and girls' under-garments, blouses, and uniforms. Serial No. 502,788; Apr. 1. Class 39.

Associated Merchandising Corporation, New York, N. Y. Window curtains. Serial No. 501,154; Apr. 1. Class 42.

Ausherman, Harry S., Wichita, Kans. Portable auger machines. Serial No. 499,370; Apr. 1. Class 23.

Automatic Electric Mfg. Company, Mankato, Minn. Time switches, flashers, interval timers and relays, etc. Serial No. 505,331; Apr. 1. Class 21.

Automotive Specialty Corporation, The, Brooklyn, N. Y. Electric automotive ignition, starting, and lighting equipment. Serial No. 501,356; Apr. 1. Class 21.

Ayers Manufacturing Co.: *See—*
Ayers, William T. H.

Ayers, William T. H., doing business as Ayers Manufacturing Co., Indianapolis, Ind. Brick layers' levels. Serial No. 506,364; Apr. 1. Class 26.

Barron Chemical Corp., New York, N. Y. Ointment. Serial No. 495,720; Apr. 1. Class 6.

Betz, Incorporated, Seattle, Wash. Seasonal-topic transparent prints. Serial No. 503,862; Apr. 1. Class 38.

Bischoff, Ernst, Company, Inc., Ivoryton, Conn. Thermoplastic potting compound. Serial No. 495,567; Apr. 1. Class 1.

Bon Marche, The: *See—*
Allied Stores Corporation.

Boston Drug & Chemical Co., Boston, Mass. Witch hazel, rubbing alcohol compound, medicinal mineral oil, etc. Serial No. 504,601; Apr. 1. Class 6.

Bradley, Eugene V., doing business as Bradley Tool & Engineering, Toledo, Ohio. Tool holders. Serial No. 493,589; Apr. 1. Class 23.

Bradley Tool & Engineering: *See—*
Bradley, Eugene V.

Brook Manufacturing Company (Northampton) Limited, Northampton, England. Women's and children's coats, suits, skirts, etc. Serial No. 499,378; Apr. 1. Class 39.

Brooks, Albert N., doing business under the name Brooks Company, Minneapolis, Minn. Preparation in wafer form to perfume and sweeten the breath. Serial No. 502,264; Apr. 1. Class 6.

Brooks Company: *See—*
Brooks, Albert N.

Brown & Wilkinson Limited, London, England. Women's and children's coats, suits, skirts, etc. Serial No. 499,379; Apr. 1. Class 39.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Glue. Serial No. 514,644; Apr. 1. Class 5.

Burns, D. Murray, doing business as Embur Drugs, assignor to Embur, Inc., Kansas City, Mo. Protein hydrolysate. Serial No. 505,096; Apr. 1. Class 6.

Business News Publishing Company, Detroit, Mich. Printed books. Serial No. 497,449; Apr. 1. Class 38.

Calder, Caesar A., doing business as Time Savers, Montclair, N. J. Shirt collar supports. Serial No. 485,901; Apr. 1. Class 37.

Chippewa Shoe Co., Chippewa Falls, Wis. Leather boots and shoes. Serial No. 507,374; Apr. 1. Class 39.

Codette Manufacturing Company, The, Baltimore, Md. Ladies' handbags. Serial No. 508,575; Apr. 1. Class 3.

Cohen, Felix Co., The: *See—*
Cohen, Felix G.

Cohen, Felix G., doing business as The Felix Cohen Co., Oakland, Calif. Fresh citrus fruits, fresh deciduous fruits, fresh vegetables, etc. Serial No. 506,009; Apr. 1. Class 46.

Comet Envelope & Paper Co. Inc., New York, N. Y. Wrapping paper. Serial No. 494,426; Apr. 1. Class 37.

Comfort Paper Corporation, San Francisco, Calif. Toilet tissue. Serial No. 504,036; Apr. 1. Class 37.

Consolidated Citrus Growers, Tempe, Ariz. Fresh citrus fruits. Serial No. 495,451; Apr. 1. Class 46.

Cook Paint & Varnish Company, North Kansas City, Mo. Lacquers and paint in paste or semi-paste form. Serial No. 504,884; Apr. 1. Class 16.

Cutler-Hammer, Inc., Milwaukee, Wis. Electrical control apparatus, electrical machines, and electrical supplies. Serial No. 498,118; Apr. 1. Class 21.

Darwin & Milner, Inc., Cleveland, Ohio. Iron and iron alloys. Serial No. 497,921; Apr. 1. Class 14.

Day & Night Manufacturing Company, Monrovia, Calif. Gas consuming space heaters. Serial No. 483,364; Apr. 1. Class 34.

Dempster Brothers, Incorporated, Knoxville, Tenn. Concrete block machines. Serial No. 503,436; Apr. 1. Class 23.

Dennis-Mitchell Industries, Philadelphia, Pa. Auto baby seats and hammocks. Serial No. 497,705; Apr. 1. Class 19.

Development Engineering Corporation, Newark, N. J. Plastic baby feeding set. Serial No. 505,739; Apr. 1. Class 2.

Dey Brothers & Company: *See—*
Allied Stores Corporation.

Diamond Wire & Cable Co., Chicago Heights, Ill. Insulated electrical wire. Serial No. 508,982; Apr. 1. Class 21.

Dietzgen, Eugene, Co., Chicago, Ill. Drawing instruments and supplies. Serial No. 483,812; Apr. 1. Class 26.

Dixie-Del Farms, Lewes, Del. Turkeys, turkey poults, and fresh and hatching eggs. Serial No. 486,479; Apr. 1. Class 46.

Dominion Electrical Manufacturing, Inc., Mansfield, Ohio. Electrical household appliances. Serial No. 507,716; Apr. 1. Class 21.

Dow Corning Corporation, Midland, Mich. Organosilicon insulating materials of high dielectric strength. Serial No. 508,583; Apr. 1. Class 21.

Dreyfus Co., Inc., New York, N. Y. Pickles, sauerkraut, mustard, and vinegar. Serial No. 501,056; Apr. 1. Class 46.

Duchess Royal, New York, N. Y. Raincoats, jackets, sport jackets, etc. Serial Nos. 490,238–9; Apr. 1. Class 39.

Dudley, Carl, doing business as Carl Dudley Productions, Beverly Hills, Calif. Series of motion picture film productions. Serial No. 506,101; Apr. 1. Class 26.

Dudley, Carl, Productions: *See—*
Dudley, Carl.

Dumari Textile Co., Inc., New York, N. Y. Ladies' and misses' dresses. Serial No. 501,724; Apr. 1. Class 39.

Dunhill Mfg. & Distributors Corp., New York, N. Y. Electric table, floor, wall, and overhead lamps and fixtures, and parts thereof. Serial No. 508,371; Apr. 1. Class 21.

Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Rug pads. Serial No. 490,367; Apr. 1. Class 50.

E. A. Laboratories, Inc., Brooklyn, N. Y. Electric room heaters. Serial No. 503,642; Apr. 1. Class 21.

Electrical Industries, Inc., Newark, N. J. Electronically heated bottle warmers. Serial No. 477,498; Apr. 1. Class 21.

Embur Drugs: *See—*
Burns, D. Murray.

Embur, Inc., assignee: *See—*
Burns, D. Murray.

Empire Twine & Yarn Co. Inc., New York, N. Y. Twine and cordage. Serial No. 510,019; Apr. 1. Class 7.

Excel Automatic Products, Inc., Newark, N. J. Safety razor blades. Serial No. 505,566; Apr. 1. Class 23.

Faraday Electric Corporation, Adrian, Mich., and Boston, Mass. Visible and audible electric signals, indicators, and alarms. Serial Nos. 507,380–2; Apr. 1. Class 21.

Franklin Photographic Industries, Chicago, Ill. Electric phonographs and reproducers. Serial No. 508,153; Apr. 1. Class 21.

Fremont Products Company: *See—*
Gundlach, Paul J.

Frost Paint & Oil Corporation, Minneapolis, Minn. Printing ink vehicle. Serial No. 500,169; Apr. 1. Class 11.

G-M Laboratories, Inc., Chicago, Ill. Exposure meters. Serial No. 497,021; Apr. 1. Class 26.

G-M Laboratories, Inc., Chicago, Ill. Portable electric heater-fan combination. Serial No. 501,381; Apr. 1. Class 21.

Gastwirth, Louis, & Co., New York, N. Y. Children's coats and legging sets. Serial No. 506,519; Apr. 1. Class 39.

Glazebrock, Steel & Company Limited, Manchester, England. Yarn (for weaving), wholly of cotton. Serial No. 510,836; Apr. 1. Class 43.

Glosilk Company: *See—*
Plough, Inc.

Goodrich, B. F., Company, The, doing business as Hood Rubber Company, New York, N. Y., and Watertown, Mass. Unsupported film in sheet form. Serial No. 493,349; Apr. 1. Class 50.

Gotham Record Corp., New York, N. Y. Albums of grooved phonograph records. Serial No. 504,174; Apr. 1. Class 36.

Gowen, Howerton, doing business as Howerton Gowen Company, Roanoke Rapids, N. C. Bleach solution. Serial No. 489,327; Apr. 1. Class 6.

Gowen, Howerton, Company: *See—*
Gowen, Howerton.

Grafe-Callahan Construction Co., Los Angeles, Calif. Cattle. Serial No. 494,062; Apr. 1. Class 1.

Grover Photo Products, Los Angeles, Calif. Converter used for transforming electrical currents. Serial No. 508,284; Apr. 1. Class 21.

Groves, Frank, doing business as Frank Groves Company, San Francisco, Calif. Asbestos sheet packing; rubber sheets packing; metallic packing; etc. Serial Nos. 485,409–10; Apr. 1. Class 35.

Groves, Frank, Company: *See—*
Groves, Frank.

Guerlain, Inc., New York, N. Y. Perfumes and toilet waters. Serial No. 505,699; Apr. 1. Class 6.

Gundlach, Paul J., doing business as Fremont Products Company, Lakewood, and Cleveland, Ohio. Vitamin preparation. Serial No. 478,386; Apr. 1. Class 6.

Hawthorne Laboratories: *See—*
Wagner, Raymond T.

Help, Inc., Chicago, Ill. Sudsing cleaner, cleanser, and detergent. Serial No. 501,738; Apr. 1. Class 4.

Herco Chemical Co.: *See—*
Herczog, Stephen.

Herczog, Stephen, doing business as Herco Chemical Co., Sydney, Australia. Skin lotions. Serial No. 487,678; Apr. 1. Class 6.

Hilsman, Gray, Jackson, Miss. Carbonated, non-alcoholic beverages. Serial No. 481,706; Apr. 1. Class 45.

Holloway, M. J., & Co., Chicago, Ill. Candy. Serial No. 506,753; Apr. 1. Class 46.

Holyoke Belting Company, Holyoke, Mass. Belt cement and reducer therefor. Serial No. 495,780; Apr. 1. Class 5.

Home-Craft Electronic Products, Chicago, Ill. Electric broilers and electric bread toasters. Serial No. 493,006; Apr. 1. Class 21.

Hood Rubber Company: *See—*
Goodrich, B. F., Company, The.

Hufnagel, Edward H., doing business as Norma Chemical Company, Mount Vernon, N. Y. Insect repellent. Serial No. 475,426; Apr. 1. Class 6.

Hurley, Jason G., Chicago, Ill. Clothes washing and ironing machines. Serial No. 497,480; Apr. 1. Class 24.

Hydro-Power, Incorporated, Mount Gilead, Ohio. Hydraulic pumps, hydraulic presses, hydraulic control valves, etc. Serial No. 498,994; Apr. 1. Class 23.

Jaquet, Incorporated, New York, N. Y. Perfume, cologne, perfumed sachet powders, etc. Serial No. 498,996; Apr. 1. Class 6.

Jones, Frank H., Fort Worth, Tex. Non-alcoholic, non-cereal, and maltless carbonated beverages. Serial No. 505,058; Apr. 1. Class 45.

Kaz Manufacturing Co., Inc., New York, N. Y. Medicated solutions. Serial No. 503,298; Apr. 1. Class 6.

Kemet Laboratories Company, Inc., New York, N. Y. Electric wire of various alloys. Serial No. 488,406; Apr. 1. Class 21.

Lanman & Kemp-Barclay & Co. Incorporated, New York, N. Y. Soap. Serial No. 484,306; Apr. 1. Class 4.

Leavitt, John W., Company, Boston, Mass. Popcorn. Serial No. 500,312; Apr. 1. Class 46.

Lemke, B. L., & Company, New York, N. Y. 5,7-diiodo-8-hydroxyquinoline. Serial No. 494,224; Apr. 1. Class 6.

Leriche-International, Inc., St. Louis, Mo. Automotive replacement parts. Serial No. 503,519; Apr. 1. Class 21.

Les Laboratoires de la Jeunesse S. A. R. L., Paris, France. Perfumes, cold and vanishing creams, skin lotions, etc. Serial No. 500,760; Apr. 1. Class 6.

Levey, Fred'k H., Co. Inc., New York, N. Y. Inks. Serial No. 502,380; Apr. 1. Class 11.

Lowe Brothers Company, The, Dayton, Ohio. Paints in dry, paste, or ready-mixed form, etc. Serial No. 504,188; Apr. 1. Class 16.

Lucas, John, & Company, Incorporated, Philadelphia, Pa. Paints and paint enamels. Serial No. 504,192; Apr. 1. Class 16.

Madamoiselle Co., Philadelphia, Pa. Pads impregnated with a deodorant. Serial No. 494,912; Apr. 1. Class 6.

Manhattan Soap Company, Inc., New York, N. Y. Soapless detergent. Serial No. 503,302; Apr. 1. Class 4.

McDonald, Jesse D., Enid, Okla. Sandwiches. Serial No. 503,658; Apr. 1. Class 46.

Melville Shoe Corporation, New York, N. Y. Shoes. Serial No. 507,328; Apr. 1. Class 39.

Mendelson, Palmer C., Co., San Francisco, Calif. Fresh deciduous fruits and fresh vegetables. Serial No. 504,374; Apr. 1. Class 46.

Minnesota Valley Canning Company, Le Sueur, Minn. Canned peas. Serial No. 497,733; Apr. 1. Class 46.

Morgan: *See—*
Morgan Tire Company.

Morgan Tire Company, doing business as Morgan, Cincinnati, Ohio. Tire repair units. Serial No. 496,977; Apr. 1. Class 35.

Munsingwear, Inc., Minneapolis, Minn. Women's pajamas. Serial No. 507,209; Apr. 1. Class 39.

Myers, D. E., doing business as Earle Myers Co., Oceano, Calif. Fresh vegetables. Serial No. 501,262; Apr. 1. Class 46.

Myers, Earle, Co.: *See—*
Myers, D. E.

National Ignition Manufacturing Company, Inc., New York, N. Y. Distributor contact points, distributor rotors, distributor leads, etc. Serial No. 509,097; Apr. 1. Class 21.

Nelpin Manufacturing Co. Inc., Long Island City, N. Y. Electric soldering irons. Serial No. 501,680; Apr. 1. Class 21.

New England Carbide Tool Co., Inc., Cambridge, Mass. Carbide tipped rotary bits. Serial No. 502,229; Apr. 1. Class 23.

Norma Chemical Company: *See—*
Hufnagel, Edward H.

Old Town Shoe Company, Old Towne, Maine. Shoes. Serial No. 497,402; Apr. 1. Class 39.

Organic Chemical Co., Providence, R. I. Detergent soaps. Serial No. 500,319; Apr. 1. Class 4.

Pacific Electricord Company: *See—*
Schott, Arnold.

Packaging Institute, Inc., New York, N. Y. Periodical publication. Serial No. 503,528; Apr. 1. Class 38.

Panther-Panco Rubber Co., Inc., Chelsea, Mass. Shoe soles. Serial No. 504,926; Apr. 1. Class 39.

Parker House Sausage Co., Chicago, Ill. Sausage. Serial No. 448,949; Apr. 1. Class 46.

Parker House Sausage Co., Chicago, Ill. Sausage. Serial No. 449,727; Apr. 1. Class 46.

Parker Pipe Company, Limited, The, London, England. Tobacco pipes, tobacco pouches, ornamental tobacco boxes and jars, etc. Serial No. 495,620; Apr. 1. Class 8.

Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Washing powder. Serial No. 502,405; Apr. 1. Class 4.

Penobscot Shoe Company, Old Town, Maine. Shoes. Serial No. 497,408; Apr. 1. Class 39.

Perfecut Scissors Co., Oklahoma City, Okla. Scissors. Serial No. 502,406; Apr. 1. Class 23.

Pert Bottling Company, Philadelphia, Pa. Maltless non-alcoholic carbonated beverages. Serial No. 503,933; Apr. 1. Class 45.

Pharmaceutical Organics, Inc., New York, N. Y. Medicinal preparation. Serial No. 505,228; Apr. 1. Class 6.

Phillips Pharmaceutical Products, Inc., Darien, Conn. Tooth powder. Serial No. 504,631; Apr. 1. Class 6.

Pilot Radio Corporation, New York, N. Y. Condensers, jacks, plugs, etc. Serial No. 517,795; Apr. 1. Class 21.

Placentia Orange Growers Association, Fullerton, Calif. Fresh citrus fruits. Serial No. 489,607; Apr. 1. Class 46.

Plough, Inc., doing business as Glosilk Company, Memphis, Tenn. Hair preparations. Serial No. 502,839; Apr. 1. Class 6.

Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Pianos and organs. Serial No. 504,697; Apr. 1. Class 36.

Porter Chemical Company, The, Hagerstown, Md. Airplane toys. Serial No. 499,275; Apr. 1. Class 22.

Premier Optical Products, Inc., New York, N. Y. Optical instruments. Serial No. 507,489; Apr. 1. Class 26.

Quackenbush Company: *See—*
Allied Stores Corporation.

Rad-El-Co Manufacturing Company, Cleveland, Ohio. Automobile aerials and parts and accessories. Serial No. 499,151; Apr. 1. Class 21.

Raetsch, E. R., doing business as E. R. Raetsch and Assoc., Chicago, Ill. Paper cutting knives. Serial No. 495,504; Apr. 1. Class 23.

Raetsch, E. R., and Assoc.: *See—*
Raetsch, E. R.

Ranger-Tennere, Inc., New York, N. Y. Watch straps. Serial No. 495,329; Apr. 1. Class 40.

Reeve Chemical Company, Inc., Brooklyn, N. Y. Ethical preparation. Serial No. 504,389; Apr. 1. Class 6.

Reggie, Christy, doing business as Southern Beauties, Waynesville, N. C. Men's and ladies' shoes. Serial No. 505,446; Apr. 1. Class 39.

Resinous Products & Chemical Company, The, Philadelphia, Pa. Synthetic resinous materials and solutions thereof. Serial No. 507,847; Apr. 1. Class 5.

Reynolds, Harry E., Detroit, Mich. Driers in the nature of a rack. Serial No. 504,069; Apr. 1. Class 24.

Richmond Chemical Company, Inc., The, Tulsa, Okla. Solvent particularly adapted for cleaning and preventing rust, etc. Serial No. 484,591; Apr. 1. Class 6.

Roig, José M. S., Barcelona, Spain. Phamaceutical compositions. Serial Nos. 500,417–8; Apr. 1. Class 6.

Rubenstein, Helena, Inc., New York, N. Y. Lipsticks and lipstick refills, creme rouge and creme rouge refills, etc. Serial No. 496,335; Apr. 1. Class 6.

Schieffelin & Co., New York, N. Y. Fluid extract belladonna leaves; fluid extract cascara sagrada; fluid extract colchicum, etc. Serial No. 485,655; Apr. 1. Class 6.

Schott, Arnold, doing business as Pacific Electricord Company, Beverly Hills, Calif. Supporting and anchoring means for fluorescent and gas discharge tubes and signs made therefrom, covered electric conductor wire, etc. Serial No. 506,967; Apr. 1. Class 21.

Sensenbrenner, A., Sons, Los Angeles, Calif. Cigars. Serial Nos. 503,223–4; Apr. 1. Class 17.

Sheldon, Edward E., New York, N. Y. Fluoroscopes. Serial No. 496,990; Apr. 1. Class 44.

Shepard Elevator Company, The, Cincinnati, Ohio. Elevator parts. Serial No. 496,734; Apr. 1. Class 21.

Siduna A/S, Copenhagen, Denmark. Watches, watch parts, watch chains and watch bracelets. Serial No. 496,927; Apr. 1. Class 27.

Sitroux Inc., New York, N. Y. Hair rolls. Serial No. 496,930; Apr. 1. Class 40.

Skin Research Laboratories, New York, N. Y. Androgenic hormone body cream, hormone body lotion, face lotion, etc. Serial No. 507,080; Apr. 1. Class 6.

Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Medicinal preparation. Serial No. 494,933; Apr. 1. Class 6.

Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Medicinal preparation. Serial Nos. 494,935–9; Apr. 1. Class 6.

Soundrite Corporation, Holyoke, Mass. Electric table lamps. Serial No. 508,496; Apr. 1. Class 21.

Southern Beauties: *See—*
Reggie, Christy.

Stelly, Louis E., doing business as Stelly's Products Co., Opelousas, La. Paste used in the treatment of pyorrhea. Serial No. 503,475; Apr. 1. Class 6.

Stelly's Products Co.: *See—*
Stelly, Louis E.

Steury, Noah R., Decatur, Ind. Musical cigarette, jewelry, and powder boxes. Serial No. 493,933; Apr. 1. Class 36.

Stirling Bonding Company Limited, The, Dumbarton, Scotland. Whisky. Serial No. 480,680; Apr. 1. Class 49.

Stolman, David J., Gloversville, N. Y. Wool, leather, cotton and rayon jackets, suits, pants, etc. Serial No. 505,265; Apr. 1. Class 39.

Stone-Tarlow Co., Inc., Brockton, Mass. Shoes of leather, fabric, or of combinations of said materials. Serial No. 503,770; Apr. 1. Class 39.

Tait, Joseph X., doing business as The United States Recording Company, Washington, D. C. Electric phonographs, portable electrical transcription players, etc. Serial No. 500,026; Apr. 1. Class 21.

Taylor, Taylor & Hobson Limited, Leicester, England. Photographic lenses. Serial No. 499,738; Apr. 1. Class 26.

Telematic Corporation, Chicago, Ill. Float controlled liquid level gaging apparatus and parts thereof. Serial No. 500,713; Apr. 1. Class 26.

Temple Products Company, The, Washington, D. C. Brushless shaving cream. Serial No. 511,705; Apr. 1. Class 4.

Time Savers: *See—*
Calder, Caesar A.

Tradio, Inc., Deal, N. J. Radio and television receiving sets. Serial No. 505,166; Apr. 1. Class 21.

Transit Grain Company, Fort Worth, Tex. Insecticide. Serial No. 501,788; Apr. 1. Class 6.

Troyke, Alfred A., doing business as Troyke Mfg. Co., Cincinnati, Ohio. Metal work holders and metal rotary tables. Serial No. 498,184; Apr. 1. Class 23.

Troyke Mfg. Co.: *See—*
Troyke, Alfred A.

Tuvaché Co., New York, N. Y. Perfume and toilet water. Serial No. 503,334; Apr. 1. Class 6.

Ulmann, Bernhard, Co. Inc., New York, N. Y. Yarns. Serial No. 510,298; Apr. 1. Class 43.

United Cigar-Whelan Stores Corporation, New York, N. Y. Electric toasters. Serial No. 497,428; Apr. 1. Class 21.

United States Recording Company, The: *See—*
Tait, Joseph X.

Van Baalen, Heilbrun, & Co., New York, N. Y. Raincoats. Serial No. 507,471; Apr. 1. Class 39.

Vestal Chemical Company, St. Louis, Mo. Disinfectants, germicides, and antiseptics. Serial No. 480,682; Apr. 1. Class 6.

Viking Yarn Mills, Inc., Philadelphia, Pa. Yarn. Serial No. 505,932; Apr. 1. Class 43.

Vincent, Frank B., Wilmington, Del. Preparation to be used in the treatment of athlete's foot, ringworm, and psoriasis. Serial No. 492,113; Apr. 1. Class 6.

Vivaudou, V., Inc., Long Island City, N. Y. Sachet. Serial No. 498,362; Apr. 1. Class 40.

Wagner, Raymond T., doing business as Hawthorne Laboratories, Louisville, Ky. Fertilizers. Serial No. 502,862; Apr. 1. Class 10.

Walhimer, Morris, New Haven, Conn., and New York, N. Y. Bath mits. Serial No. 478,098; Apr. 1. Class 29.

Warren Co., Inc., The, Atlanta, Ga. Commercial refrigerator. Serial No. 516,928; Apr. 1. Class 31.

Waterman Products Company, Incorporated, Philadelphia, Pa. Oscilloscopes. Serial No. 505,934; Apr. 1. Class 26.

Willow Reed System, Inc., Seattle, Wash. Sun tan oil. Serial No. 499,812; Apr. 1. Class 6.

Willson Products, Inc., Reading, Pa. Ophthalmic mountings and parts thereof. Serial No. 490,471; Apr. 1. Class 26.

Wimelbacher & Rice, Inc., New York, N. Y. Leather and fabric gloves. Serial No. 497,287; Apr. 1. Class 39.

Wolf and Scherer, Eatontown, N. J. Wheel dresser tool. Serial No. 502,175; Apr. 1. Class 23.

Wonder Window Co., Fitchburg, Mass. Combination storm and screen sash. Serial No. 493,865; Apr. 1. Class 12.

Working, K. C., Chemical Co., Los Angeles, Calif. Granulated soap. Serial No. 503,575; Apr. 1. Class 4.

Ziv Steel & Wire Co., Chicago, Ill. Tool steel in bars. Serial No. 503,620; Apr. 1. Class 14.

LIST OF REGISTRANTS OF TRADE-MARKS

Abbott Laboratories: *See—*
Milliken, John T., & Company.

Abbott Laboratories, Chicago, Ill. Hormone preparation. 428,728; Apr. 1; Serial No. 500,157; published Dec. 24, 1946. Class 6.

Adler Company, The: *See—*
Adler Underwear & Hosiery Mfg. Co., The.

Adler Underwear & Hosiery Mfg. Co., The, to The Adler Company, Cincinnati, Ohio. Knitted cloth. 214,002; renewed June 8, 1946. O. G. Apr. 1. Class 42.

Airborne Luggage Co., Kansas City, Mo. Luggage. 428,784; Apr. 1; Serial No. 502,416; published Jan. 14, 1947. Class 3.

Alaska Magazine Publishing Company, Ketchikan, Alaska. Magazine. 428,825; Apr. 1. Class 38.

Allied Products Company: *See—*
Walker, John T.

American Cyanamid & Chemical Corporation, assignor to American Cyanamid Company, New York, N. Y. Preparation having use as an insecticide, rodenticide, weed killer, etc. 428,739; Apr. 1; Serial No. 500,922; published Dec. 24, 1946. Class 6.

American Cyanamid Company, assignee: *See—*
American Cyanamid & Chemical Corporation.

American Cyanamid Company, New York, N. Y. Weedkiller. 428,807; Apr. 1; Serial No. 511,853; published Dec. 31, 1946. Class 6.

American Veteran, The, Atlantic City, N. J. Monthly publication. 428,828; Apr. 1. Class 38.

Amsterdam Broom Co., Amsterdam, N. Y. Brooms. 223,454; renewed Feb. 1, 1947. O. G. Apr. 1. Class 29.

Anderson, Eleanor R., Los Angeles, Calif. Vitamin preparation. 428,733; Apr. 1; Serial No. 500,352; published Dec. 24, 1946. Class 6.

Ardmore Co.: *See—*
Kunian, Paul.

Associated Physicians Laboratories, to Associated Physicians Laboratories, Ltd., San Francisco, Calif. Tablets to be used in the treatment of acid stomach, etc. 213,737; renewed June 1, 1946. O. G. Apr. 1. Class 6.

Associated Physicians Laboratories, to Associated Physicians Laboratories, Ltd., San Francisco, Calif. Alkaline powder. 213,738; renewed June 1, 1946. O. G. Apr. 1. Class 6.

Associated Physicians Laboratories, Ltd.: *See—*
Associated Physicians Laboratories.

Athol Manufacturing Company, Athol, Mass. Book binding cloth. 428,667; Apr. 1; Serial No. 490,990; published Jan. 14, 1947. Class 42.

Atlas-Ansonia Company, The, North Haven, Conn. Hooks for hanging household and other articles, etc. 428,786; Apr. 1; Serial No. 502,614; published Dec. 31, 1946. Class 13.

Atlas Battery Works, Inc., New York, N. Y., to Atlas Supply Company, Newark, N. J. Electric batteries. 223,187; renewed Jan. 18, 1947. O. G. Apr. 1. Class 21.

Atlas Publishing Company, New York, N. Y. Trade magazine. 428,830; Apr. 1. Class 38.

Atlas Supply Company: *See—*
Atlas Battery Works, Inc.

Auburn Cordage & Twine Co., Inc., Auburn, N. Y. Twine, solid braided cotton sash cord and rope. 428,674; Apr. 1; Serial No. 493,243; published Jan. 14, 1947. Class 7.

Augstein, S., & Co. Inc., College Point, N. Y. Piece goods made of wool, worsted, silks, etc. 428,760; Apr. 1; Serial No. 501,626; published Jan. 14, 1947. Class 42.

Avondale Mills, Sylacauga, Ala. Unwoven sheeting in the nature of cloth and paper, polishing cloths, etc. 428,682; Apr. 1; Serial No. 494,480; published Jan. 14, 1947. Class 37.

Baby Ease Company, The: *See*—
Marshall, Thomas P.

Bachmeier & Co. Inc., New York, N. Y. Dyes. 428,764; Apr. 1; Serial No. 501,708; published Dec. 24, 1946. Class 6.

Bates & Klinke, Inc., Attleboro, Mass. Babies' bracelets. 428,725; Apr. 1; Serial No. 499,753; published Jan. 7, 1947. Class 28.

Baumgold, Joseph, doing business as The Guild of American Diamond Cutters, New York, N. Y. Diamonds, precious stones, and diamond rings. 428,630; Apr. 1; Serial No. 472,376; published Jan. 14, 1947. Class 28.

Beason, Perle E., Springfield, Ohio. Ball valve for faucets. 428,637; Apr. 1; Serial No. 478,205; published Mar. 20, 1945. Class 13.

Berlinger, Joseph, Co., New York, N. Y. Silk piece goods. 223,681; renewed Feb. 8, 1947. O. G. Apr. 1. Class 42.

Berman, Vivienne, doing business as Kennard Company, Meridian, Miss., and New York, N. Y. Cosmetic skin cream. 428,659; Apr. 1; Serial No. 488,685; published Jan. 7, 1947. Class 6.

Bickmore Company, The: *See*—
Bickmore Gall Cure Company.

Bickmore Gall Cure Company, to The Bickmore Company, Old Town, Maine. Salve. 56,600–1; re-renewed Oct. 9, 1946. O. G. Apr. 1. Class 6.

Bickmore Gall Cure Company, to The Bickmore Company, Old Town, Maine. Gall cure. 56,602; re-renewed Oct. 9, 1946. O. G. Apr. 1. Class 6.

Biddle Purchasing Company, New York, N. Y. Refrigerated storage cabinets and parts thereof, including evaporator plates. 428,818; Apr. 1. Class 31.

Binney & Smith Company, New York, N. Y. Crayons and pencils. 224,527; renewed Mar. 1, 1947. O. G. Apr. 1. Class 37.

Binney & Smith Company, New York, N. Y. Crayons and pencils. 224,555; renewed Mar. 1, 1947. O. G. Apr. 1. Class 37.

Bond Stores, Incorporated, New York, N. Y. Girls', misses' and women's suits, fabric coats, dresses, etc. 428,749; Apr. 1; Serial No. 501,433; published Nov. 5, 1946. Class 39.

Bondlok Products Company: *See*—
Snyder, Herman.

Bonnie Bros., Louisville, Ky., to Park & Tilford Distillers Inc., New York, N. Y. Whisky. 59,463; re-renewed Jan. 8, 1947. O. G. Apr. 1. Class 49.

Bosley, D. W., Company, The, Chicago, Ill., to Wirfs-Bosley Corporation, St. Louis, Mo. Weather stripping. 222,866; renewed Jan. 11, 1947. O. G. Apr. 1. Class 12.

Botany Worsted Mills, Passaic, N. J. Woolen piece goods. 428,677; Apr. 1; Serial No. 493,736; published Jan. 14, 1947. Class 42.

Bromley, John, & Sons, Inc., Philadelphia, Pa. Lace curtains. 428,754; Apr. 1; Serial No. 501,495; published Jan. 14, 1947. Class 42.

Bundy Tubing Company, Detroit and Center Line, Mich. Metal tubing, and shaped metal tube lengths. 428,642; Apr. 1; Serial No. 482,362; published Jan. 7, 1947. Class 13.

Burgon & Ball Limited, Sheffield, England. Sheep shears, garden-shears, and butchers' knives. 57,440; re-renewed Nov. 13, 1946. O. G. Apr. 1. Class 23.

Burt Manufacturing Company, Meriden, Conn. Adhesive cement. 428,756; Apr. 1; Serial No. 501,563; published Jan. 14, 1947. Class 5.

California Spray-Chemical Corporation, Wilmington, Del., and Richmond, Calif. Parasiticides. 428,750; Apr. 1; Serial No. 501,434; published Dec. 31, 1946. Class 6.

Callahan, Garratt, Company of California: *See*—
Callahan, John, & Co., Inc.

Callahan, John, & Co., Inc., Seattle, Wash., to Garratt Callahan Company of California, San Francisco, Calif. Boiler-cleaning compounds. 60,793; re-renewed Feb. 19, 1947. O. G. Apr. 1. Class 6.

Cambridge Associates, Inc., Boston, Mass. Monthly publication. 428,814; Apr. 1. Class 38.

Canal Bank & Trust Co., executors: *See*—
Jung, Louis E., Estate of, The.

Charles & Co., to Charles & Co., Inc., New York, N. Y. Fresh fruits and vegetables. 54,933; re-renewed Aug. 7, 1946. O. G. Apr. 1. Class 46.

Charles & Co., Inc.: *See*—
Charles & Co.

Chemdrug Corporation, The, New York, N. Y. Perfumed sachet. 428,686; Apr. 1; Serial No. 494,814; published Dec. 24, 1946. Class 6.

Chemdrug Corporation, The, New York, N. Y. Preparation for the treatment of eczema. 428,734; Apr. 1; Serial No. 500,365; published Dec. 24, 1946. Class 6.

Chemical Foundation, Incorporated, The: *See*—
Hauff, J., & Co. G. m. b. H.

Vereinigte Chenin-Fabriken, Zimmer & Co., Gesellschaft mit beschrankter Haftung.

Chicago Printed String Company, Chicago, Ill. Wrapping string or tape. 428,735; Apr. 1; Serial No. 500,366; published Dec. 24, 1946. Class 7.

Chiris, Antoine, Company, Inc., New York, N. Y. Fixed oils. 428,709; Apr. 1; Serial No. 498,582; published Dec. 24, 1946. Class 6.

Ciba Limited: *See*—
Society of Chemical Industry in Basle.

Clifford, R. E., doing business as Jacks Manufacturing Company, St. Paul, Minn. Boiler compound. 223,134; renewed Jan. 18, 1947. O. G. Apr. 1. Class 6.

Cluett, Peabody & Co., Inc.: *See*—
Earl & Wilson.

Coe, W. H., Manufacturing Company, Providence, R. I. Gilding-tools. 56,108; re-renewed Aug. 21, 1946. O. G. Apr. 1. Class 23.

Cohen, Joseph H., & Sons, Inc., New York, N. Y. Men's clothing. 428,799; Apr. 1; Serial No. 503,427; published Dec. 10, 1946. Class 39.

Colgate & Co., New York, N. Y., to Colgate-Palmolive-Peet Company, Jersey City, N. J. Toilet waters, dental powders, pastes, etc. 60,595; re-renewed Feb. 12, 1947. O. G. Apr. 1. Class 6.

Colgate-Palmolive-Peet Company: *See*—
Colgate & Co.

Colin Pharmacal Co., Inc., Brooklyn, N. Y. Mixture of ingredients having therapeutic value. 428,766; Apr. 1; Serial No. 501,800; published Dec. 24, 1946. Class 6.

Commercial Metals Treating, Inc., Toledo, Ohio. Piping and couplings. 428,720; Apr. 1; Serial No. 499,389; published Dec. 31, 1946. Class 13.

Copy Papers, Inc., Chicago, Ill. Paper. 428,658; Apr. 1; Serial No. 487,888; published Jan. 14, 1947. Class 37.

Corning Glass Works, Corning, N. Y. Buttons of glass. 428,812; Apr. 1. Class 40.

Cresta Blanca Company, San Francisco, to Cresta Blanca Wine Company, Inc., Livermore, Calif. General medical tonic. 222,956; renewed Jan. 11, 1947. O. G. Apr. 1. Class 6.

Cresta Blanca Wine Company, Inc.: *See*—
Cresta Blanca Company.

Daumit, Kay, Inc., Chicago, Ill. Sun tan oil. 428,740; Apr. 1; Serial No. 500,958; published Jan. 7, 1947. Class 6.

Davis, Charles R., Dover, Mass. Dish cloths, hot pot holders, and ironing cloths. 428,757; Apr. 1; Serial No. 501,566; published Jan. 14, 1947. Class 42.

Davis & Lawrence Company, Dobbs Ferry, N. Y. Menthol plasters, salve, and pills. 428,635; Apr. 1; Serial No. 477,869; published Jan. 7, 1947. Class 6.

Densco, Incorporated: *See*—
Dental Specialty Manufacturing Co., Inc.

Dental Specialty Manufacturing Co., Inc., The, Denver, Colo., by change of name Densco, Incorporated. Diamond instrument cleaner. 428,719; Apr. 1; Serial No. 499,322; published Dec. 24, 1946. Class 6.

Destin, Farel, Inc., New York, N. Y. Face powder, lipstick, rouge, etc. 428,742; Apr. 1; Serial No. 501,054; published Jan. 7, 1947. Class 6.

Devon Originations: *See*—
Stember, Bernard.

Diamond Products Mfg. Co., Inc., New York, N. Y. Varnish and filler. 428,633; Apr. 1; Serial No. 474,790; published Nov. 19, 1946. Class 16.

Doho Chemical Corporation, New York, N. Y. Ear drops. 428,695; Apr. 1; Serial No. 496,548; published Dec. 24, 1946. Class 6.

Dolge, C. B., Company, The, Westport, Conn. Insecticides. 428,765; Apr. 1; Serial No. 501,721; published Jan. 7, 1947. Class 6.

Earl & Wilson, to Cluett, Peabody & Co., Inc., Troy, N. Y. Woven undershirts and woven drawers. 60,017; re-renewed Jan. 22, 1947. O. G. Apr. 1. Class 39.

Earl & Wilson, to Cluett, Peabody & Co., Inc., Troy, N. Y. Scarfs, cravats, and ties. 60,342; re-renewed Feb. 5, 1947. O. G. Apr. 1. Class 39.

Eaton-Clark Company, Detroit, Mich. Liquid designed for resizing materials after washing or dyeing. 428,712; Apr. 1; Serial No. 499,829; published Feb. 18, 1947. Class 6.

Ebaloy Foundries, Inc., Rockford, Ill. Sand castings and permanent mold castings. 428,638–9; Apr. 1; Serial Nos. 479,783–4; published July 24, 1945. Class 14.

Ebersole-Gaetz-Rhodes Co., Clarence Center, N. Y. Preparation for the treatment of coccidiosis. 428,653; Apr. 1; Serial No. 485,862; published Dec. 31, 1946. Class 6.

Edison Manufacturing Company, to Thomas A. Edison, Incorporated, West Orange, N. J. Primary batteries, parts thereof, and fan-motors. 60,343; re-renewed Feb. 5, 1947. O. G. Apr. 1. Class 21.

Edison, Thomas A., Incorporated: *See*—
Edison Manufacturing Company.

Eisner, H. J., doing business as Mastercraft Co., Los Angeles, Calif. Bathroom accessories. 428,730; Apr. 1; Serial No. 500,208; published Jan. 7, 1947. Class 13.

Ellis Paint Company, Long Beach, Calif. Full gloss enamel, gloss enamel paints. 428,672; Apr. 1; Serial No. 492,827; published Dec. 31, 1946. Class 16.

Eternitwerke Ludwig Hatschek, Vocklabruck and Vienna, Austria, to Eternitwerke Ludwig Hatschek, Bound Brook, N. J., and New York, N. Y. Asbestos cement, tubes and molded pieces of asbestos-cement, slate of all kinds, etc. 223,914; renewed Feb. 15, 1947. O. G. Apr. 1. Class 12.

Farbenfabriken, Vormals Fried. Bayer & Co., Elberfeld, Germany, to Winthrop Chemical Company, Inc., New York, N. Y. Extract of thyroid glands. 29,406; re-renewed Jan. 5, 1947. O. G. Apr. 1. Class 6.

Felca Watch Corporation, New York, N. Y. Watches and parts thereof. 428,689; Apr. 1; Serial No. 495,600; published Jan. 14, 1947. Class 27.

Filtration Engineers, Incorporated, New York, N. Y. Automatic vacuum filters, automatic sand filters, non-atomizing wash filters, etc. 428,805; Apr. 1; Serial No. 509,647; published Dec. 31, 1946. Class 31.

Finkler, Dr., & Co., Papain, Godramstein, Germany, to Johnson & Johnson, New Brunswick, N. J. Remedy for the diseases of the digestive organs and as a solvent of the membrane in diphtheria. 58,060; re-renewed Dec. 4, 1946. O. G. Apr. 1. Class 6.

Fisher, George H., & Company, New York, N. Y. Metallic flexible-link and expansion bracelets and metallic wrist-watch bands. 428,778; Apr. 1; Serial No. 502,131; published Jan. 14, 1947. Class 28.

Fitzgerald, Rita M., New York, N. Y. Periodical publication. 428,817; Apr. 1. Class 38.

Flaster, Alfred A., New York, N. Y. Perfume, toilet water, eau de cologne, etc. 428,743; Apr. 1; Serial No. 501,061; published Jan. 7, 1947. Class 6.

Floquil Products, Inc., New York, N. Y. Stains, varnishes, lacquers, etc. 428,679; Apr. 1; Serial No. 494,051; published Nov. 26, 1946. Class 16.

Flower Foods, Inc., Maywood, Ill. Composition containing chemical ingredients. 428,774; Apr. 1; Serial No. 501,967; published Dec. 31, 1946. Class 6.

Foley & Company, Chicago, Ill. Tablets for the relief of cold symptoms. 428,631; Apr. 1; Serial No. 473,982; published Jan. 7, 1947. Class 6.

Forsey, Harold W., New York, N. Y. Brushes. 428,795; Apr. 1; Serial No. 503,288; published Jan. 14, 1947. Class 29.

Fownes Brothers & Co. Incorporated, Gloversville, Amsterdam, and New York, N. Y. Silk, cotton, or leather gloves. 223,572; renewed Feb. 8, 1947. O. G. Apr. 1. Class 39.

Franco-Italian Packing Co., Inc., East San Pedro, to Franco-Italian Packing Co., Inc., Terminal Island, Calif. Canned fish. 224,239; renewed Feb. 22, 1947. O. G. Apr. 1. Class 46.

Freedman, Sam, New York, N. Y. Leather wrist watch straps. 428,829; Apr. 1. Class 40.

Freundlich-Gomez Machinery Corp., Brooklyn, N. Y. Tubular plastic binding. 428,684; Apr. 1; Serial No. 494,669; published Jan. 14, 1947. Class 37.

Fryer-Knowles: *See*—
Knowles, Chadwick.

Galovich, Steve, Omaha, Nebr. Salve. 428,785; Apr. 1; Serial No. 502,434; published Dec. 24, 1946. Class 6.

Gandelman, Marjory W., New Haven, Conn. Picture writing paper and envelopes. 428,758; Apr. 1; Serial No. 501,571; published Jan. 14, 1947. Class 37.

Garmendia, Alberto C., Buenos Aires, Argentina. Nail polish, lipstick, rouge, etc. 428,661; Apr. 1; Serial No. 489,456; published Dec. 24, 1946. Class 6.

Gay, Anita, Creations, Los Angeles, Calif. Purses. 428,676; Apr. 1; Serial No. 493,676; published Jan. 14, 1947. Class 3.

Gazette Publishing Company, Little Rock, Ark. Daily, Sunday, and semiweekly newspaper. 223,118; renewed Jan. 18, 1947. O. G. Apr. 1. Class 38.

Geigy Company, Inc., New York, N. Y. Chemical agent. 428,761; Apr. 1; Serial No. 501,659; published Dec. 24, 1946. Class 6.

Geigy Company, Inc., New York, N. Y. Chemical agent. 428,762; Apr. 1; Serial No. 501,661; published Dec. 24, 1946. Class 6.

General Cable Corporation: *See*—
Standard Underground Cable Company.

General Chemical Company, New York, N. Y. Insecticides and fungicides. 428,776; Apr. 1; Serial No. 502,069; published Dec. 24, 1946. Class 6.

General Refractories Company, Philadelphia, Pa. Refractory bricks. 428,804; Apr. 1; Serial No. 508,687; published Jan. 14, 1947. Class 12.

Gesben, Emanuel, Baltimore, Md. Cigars. 428,690; Apr. 1; Serial No. 495,799; published Jan. 14, 1947. Class 17.

Giles, Howard G., New York, N. Y. Work shirts. 223,590; renewed Feb. 8, 1947. O. G. Apr. 1. Class 39.

Glidden Company, The, Cleveland, Ohio. Insecticides and herbicides. 428,726; Apr. 1; Serial No. 500,075; published Dec. 24, 1946. Class 6.

Goodwin, George, New York, N. Y. Publication published in the interests of music. 428,821; Apr. 1. Class 38.

Granat, Albert M., New York, N. Y. Cigarettes and smoking tobacco. 428,826; Apr. 1. Class 17.

Great Atlantic Laboratories, Inc., Boston, Mass. Hair dressing preparation. 428,640; Apr. 1; Serial No. 480,107; published Dec. 31, 1946. Class 6.

Greenblatt, Samuel, doing business as Monogram Soap Company, Hollywood, Calif. Cologne, toilet water, and hand lotion. 428,710; Apr. 1; Serial No. 498,691; published Dec. 31, 1946. Class 6.

Greenfield, Louis, doing business as Thyben Pharmacal Company, Philadelphia, Pa. Medicinal preparation. 428,696; Apr. 1; Serial No. 496,906; published Dec. 31, 1946. Class 6.

Greenlee Bros. & Co., Rockford, Ill. Augers, augerbits, chisels, gauges, etc. 224,193–4; renewed Feb. 22, 1947. O. G. Apr. 1. Class 23.

Guild of American Diamond Cutters, The: *See*—
Baumfold, Joseph.

Halberg, Bertha, Spring Valley, N. Y. Purses to hold cosmetics, and wallets. 428,820; Apr. 1. Class 3.

Harrington Cutlery Co., to Russell Harrington Cutlery Company, Southbridge, Mass. Shoe-knives, rubber-knives, bread-knives, etc. 56,275; re-renewed Sept. 4, 1946. O. G. Apr. 1. Class 23.

Harrington, Russell, Cutlery Company: *See*—
Harrington Cutlery Co.

Hartz Mountain Products: *See*—
Kaempfer, Frederick.

Haskelite Manufacturing Corporation, Grand Rapids, Mich. Laminated material. 428,779–80; Apr. 1; Serial Nos. 502,211–12; published Jan. 14, 1947. Class 12.

Hauff, J., & Co. G. m. b. H., Feuerbach, near Stuttgart, Germany, to The Chemical Foundation, Incorporated, New York, N. Y. Photographic developers. 57,145; re-renewed Nov. 6, 1946. O. G. Apr. 1. Class 6.

Hercules Powder Company, Wilmington, Del. Synthetic resin. 428,673; Apr. 1; Serial No. 493,190; published Jan. 14, 1947. Class 1.

Hercules Powder Company Wilmington, Del. Synthetic resin. 428,702–3; Apr. 1; Serial Nos. 497,478–9; published Jan. 14, 1947. Class 1.

Heribert, Herbert J., New York, N. Y. Solution to be used as a coating, finish, or lacquer. 428,747; Apr. 1; Serial No. 501,323; published Dec. 24, 1946. Class 6.

Holes, Ray, doing business as Ray Holes Saddle Co., Grangeville, Idaho. Saddletrees. 428,832; Apr. 1. Class 3.

Holes, Ray, doing business as Ray Holes Saddle Co., Grangeville, Idaho. Horse saddles. 428,833; Apr. 1. Class 3.

Holes, Ray, Saddle Co.: *See*—
Holes, Ray.

Hommel, O., Company, The, Pittsburgh, Pa. Frit for use in preparation [illegible] porcelain enamels. 428,831; Apr. 1. Class 1.

House Beautiful Curtains, Inc., New York, N. Y. Window curtains and curtain materials in the piece. 428,675; Apr. 1; Serial No. 493,356; published Jan. 14, 1947. Class 42.

House of Westmore, Inc., New York, N. Y., and elsewhere. Lipstick and rouge. 428,751–2; Apr. 1; Serial Nos. 501,454–5; published Jan. 7, 1947. Class 6.

Hudnut, Richard, New York, N. Y. Lipstick. 428,655; Apr. 1; Serial No. 486,674; published Dec. 24, 1946. Class 6.

Hudnut, Richard, New York, N. Y. Face powder, foundation lotion, and rouge. 428,685; Apr. 1; Serial No. 494,681; published Dec. 31, 1946. Class 6.

Hudnut, Richard, New York, N. Y. Cosmetic kits. 428,763; Apr. 1; Serial No. 501,666; published Dec. 24, 1946. Class 6.

Hunter, Jack E., Van Port City, Oreg. Preparation for treating colon and stomach disorders, etc. 428,664; Apr. 1; Serial No. 489,583; published Dec. 31, 1946. Class 6.

Ingram Chemical Laboratories, Chicago, Ill. Ready-mixed interior and exterior paints. 428,680; Apr. 1; Serial No. 494,072; published Nov. 26, 1946. Class 16.

Invicta-Seeland, Inc., New York, N. Y. Watches and watch movements. 428,716; Apr. 1; Serial No. 499,235; published Jan. 14, 1947. Class 27.

Irresistible, Inc., New York, N. Y. Colognes. 428,759; Apr. 1; Serial No. 501,575; published Jan. 7, 1947. Class 6.

Jacks Manufacturing Company: *See*—
Clifford, R. E.

Johnson & Johnson: *See*—
Finkler, Dr., & Co., Papain.

Jung, L. E., & Wulff Co., Inc.: *See*—
Jung, Louis E., Estate of, The.

Jung, Louis E., Estate of, The, New Orleans, La., Marie S. Jung, executrix, and Canal Bank & Trust Co., executors, to L. E. Jung & Wulff Co., Inc., New York, N. Y. Peptic bitters. 220,760; renewed Nov. 16, 1946. O. G. Apr. 1. Class 6.

Jung, Marie S., executrix: *See*—
Jung, Louis E., Estate of, The.

K. C. Working Chemical Co., Los Angeles, Calif. Granulated soap. 428,822; Apr. 1. Class 4.

Kaempfer, Frederick, Chicago, Ill., to Hartz Mountain Products, New York, N. Y. Remedy for the ailments of canaries and other seed-eating birds. 57,862; re-renewed Nov. 27, 1946. O. G. Apr. 1. Class 6.

Kao Novelty Co., New York, N. Y. Cut lengths of lining material made of silk or rayon. 428,815; Apr. 1. Class 42.

Karleen Incorporated, Morris Plains, N. J. Line-taut clamps. 428,704; Apr. 1; Serial No. 497,609; published Dec. 17, 1946. Class 13.

Kawneer Company, The: *See*—
Zouri Drawn Metals Company.

Kay, George, West Orange, N. J. Paint. 428,692; Apr. 1; Serial No. 496,243; published Nov. 19, 1946. Class 16.

Keller, Algot B., Menomonie, Wis. Clothes sticks. 428,798; Apr. 1; Serial No. 503,377; published Jan. 14, 1947. Class 24.

Kellogg, M. W., Co., The: *See*—
Kellogg, M. W., Company, The.

Kellogg, M. W. Company, The, Jersey City, N. J., and New York, N. Y., to The M. W. Kellogg Co., New York, N. Y. Refractory cement. 219,032; renewed Oct. 12, 1946. O. G. Apr. 1. Class 12.

Kennard Company: *See*—
Berman, Vivienne.

Kenra, Incorporated, Indianapolis, Ind. Cosmetics. 428,669; Apr. 1; Serial No. 492,500; published Jan. 7, 1947. Class 6.

Kleinhenz, Felix, Cleveland, Ohio. Salve for the treatment of blood poison, burns, cuts, etc. 223,209; renewed Jan. 18, 1947. O. G. Apr. 1. Class 6.

Knowles, Chadwick, doing business as Fryer-Knowles, Seattle, Wash. Building specialties. 428,652; Apr. 1; Serial No. 485,349; published Jan. 14, 1947. Class 12.

Kunian, Paul, doing business as Ardmore Co., Minneapolis, Minn. Cosmetics and toiletries. 428,809; Apr. 1; Serial No. 512,002; published Dec. 31, 1946. Class 6.

Laboratorios Veter, S. A., Habana, Cuba. Liquid medicines and liquid vaccines. 428,636; Apr. 1; Serial No. 477,891; published Dec. 31, 1946. Class 6.

La Floreal Parfum Sales Co.: *See*—
Simon, Harry A.

Lamont, Corliss & Company: *See*—
Runkel Brothers, Incorporated.

Lampl, Walter, New York, N. Y. Ornamental dress and lapel pins, ear-rings, and bracelets. 428,755; Apr. 1; Serial No. 501,515; published Dec. 31, 1946. Class 28.

Larsen, Robert E., Chicago, Ill. Readily attachable or detachable hooks. 428,738; Apr. 1; Serial No. 500,883; published Dec. 31, 1946. Class 13.

Lehn & Fink Products Corporation: *See*—
Lysol, Incorporated.

Leif Brothers, New York, N. Y. Jewelry. 428,713; Apr. 1; Serial No. 498,999; published Jan. 7, 1947. Class 28.

Lentheric, Incorporated, New York, N. [illegible] Perfumes, toilet waters, and cosmetic creams. 428,634; Apr. 1; Serial No. 474,859; published Dec. 24, 1946. Class 6.

Lentheric, Incorporated, New York, N. Y. Perfumes, toilet waters, and cosmetic creams. 428,790–1; Apr. 1; Serial Nos. 502,986–7; published Dec. 24, 1946. Class 6.

Les Etablissements Poulenc Freres, to Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Phenylmethylmalonylurea, employed in treatment of epilepsy. 217,999; renewed Sept. 14, 1946. O. G. Apr. 1. Class 6.

Les Etablissements Poulenc Freres, to Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Chemical product. 218,000; renewed Sept. 14, 1946. O. G. Apr. 1. Class 6.

Le Sonier, Inc., Boston, Mass. Antiseptic dress shields. 428,649; Apr. 1; Serial No. 484,096; published Jan. 14, 1947. Class 40.

Lilly, Eli, and Company, Indianapolis, Ind., to Parke, Davis & Company, Detroit, Mich. Ephedrin sulphate. 222,308; renewed Dec. 28, 1946. O. G. Apr. 1. Class 6.

London Royal Corp., New York, N. Y. Smokers' pipes. 428,767; Apr. 1; Serial No. 501,850; published Jan. 14, 1947. Class 8.

Loo, Yun S., Honolulu, Hawaii. Cough medicine, liniment, cod-liver-oil preparation, etc. 217,911; renewed Sept. 14, 1946. O. G. Apr. 1. Class 6.

Loomtogs, Inc., New York, N. Y. Women's and misses' playsuits, slack sets, slacks, etc. 428,729; Apr. 1; Serial No. 500,173; published Dec. 17, 1946. Class 39.

Lorraine Manufacturing Company, Pawtucket, R. I., to Lorraine Manufacturing Company, Pawtucket, R. I., and New York, N. Y. Cotton goods, cotton warp fabric, cotton and wool, silk goods, etc. 218,398; renewed Sept. 28, 1946. O. G. Apr. 1. Class 42.

Lysol, Incorporated, to Lehn & Fink Products Corporations, Bloomfield, N. J. Anti-septic and disinfectant preparations; ointment; and certain other chemicals, etc. 224,321; renewed Feb. 22, 1947. O. G. Apr. 1. Class 6.

Maltine Company, The, New York, N. Y. Bulk laxative. 428,768–9; Apr. 1; Serial Nos. 501,851–2; published Dec. 24, 1946. Class 6.

Mandarin Food Products, Incorporated: *See*—
Mandarin Sauce Co.

Mandarin Sauce Co., to Mandarin Food Products, Incorporated, Los Angeles, Calif. Tea, rice, noodles, etc. 223,908; renewed Feb. 15, 1947. O. G. Apr. 1. Class 46.

Mapril, Inc., New York, N. Y. Oil shampoo tint. 428,731; Apr. 1; Serial No. 500,235; published Dec. 24, 1946. Class 6.

Marsh, Jordan, Company, Boston, Mass. Boots and shoes made of leather, rubber, canvas, etc. 223,734; renewed Feb. 8, 1947. O. G. Apr. 1. Class 39.

Marshall, Thomas P., Macon, to The Baby Ease Company, Atlanta, Ga. Remedy for bowel complaints. 55,762; re-renewed Aug. 21, 1946. O. G. Apr. 1. Class 6.

Martin-Senour Company, The, Chicago, Ill. Paints in dry, paste, or ready-mixed form, and paint enamels. 428,668; Apr. 1; Serial No. 491,420; published Nov. 26, 1946. Class 16.

Mastercraft Co.: *See*—
Eisner, H. J.

McCormick & Co., to McCormick & Co., Incorporated, Baltimore, Md. Spices, mustards, and flavoring extracts. 60,560; re-renewed Feb. 12, 1947. O. G. Apr. 1. Class 46.

McCormick & Co., Incorporated: *See*—
McCormick & Co.

Mecos, Inc., New Orleans, La. Hair dressing, pressing oil, scalp preparations, etc. 428,698; Apr. 1; Serial No. 497,259; published Dec. 31, 1946. Class 6.

Meijer's O. J., Dextrinefabrieken, N. V., Veendam, Netherlands. Decolouring substance. 428,705; Apr. 1; Serial No. 497,730; published Dec. 31, 1946. Class 6.

Merkin, M. J., Paint Co. Inc., New York, N. Y. Paste and ready-mixed paints, and varnishes. 223,860; renewed Feb. 15 1947. O. G. Apr. 1. Class 16.

Merkin, M. J., Paint Co. Inc., New York, N. Y. Water paste wall paint. 224,588; renewed Mar. 1, 1947. O. G. Apr. 1. Class 16.

Merrell, Wm. S., Company, The, Cincinnati, Ohio. Blood coagulant. 428,697; Apr. 1; Serial No. 496,919; published Dec. 24, 1946. Class 6.

Midland Laboratories, Dubuque, Iowa. Waxes and polishes. 428,707; Apr. 1; Serial No. 498,300; published Nov. 19, 1946. Class 16.

Mid-States Gummed Paper Co.: *See*—
Mid-States Gummed Paper Company.

Mid-States Gummed Paper Company, to Mid-States Gummed Paper Co., Chicago, Ill. Craft paper, sulphite paper, bond paper, etc. 223,866; renewed Feb. 15, 1947. O. G. Apr. 1. Class 37.

Milliken, John T., & Company, St. Louis, Mo., to Abbott Laboratories, North Chicago, Ill. Liquid preparation. 335,039; renewed Feb. 15, 1947. O. G. Apr. 1. Class 6.

Monogram Soap Company: *See*—
Greenblatt, Samuel.

Monsanto Chemical Company, St. Louis, Mo. Chemical products. 428,706; Apr. 1; Serial No. 498,242; published Nov. 12, 1946. Class 6.

Myrurgia, S. A., Barcelona, Spain. Perfumes, toilet creams, eau de cologne, etc. 428,645; Apr. 1; Serial No. 483,277; published Sept. 4, 1945. Class 6.

Nancy Ann Dressed Dolls, San Francisco, Calif. Dressed dolls. 428,819; Apr. 1. Class 22.

Nastrix Watch Co., New York, N. Y. Watches. 428,796–7; Apr. 1; Serial Nos. 503,311–12; published Jan. 14, 1947. Class 27.

National Silver Company, New York, N. Y. Hair brushes, clothes brushes, shoe brushes, etc. 428,789; Apr. 1; Serial No. 502,763; published Dec. 31, 1946. Class 29.

Nemco Electric Co., Seattle, Wash. Liquid heaters. 428,810; Apr. 1. Class 34.

Noma, Incorporated, assignee: *See*—
Toni, Incorporated.

Nore, Ethel Lea, Inc., Brooklyn, N. Y. Perfumes, rouges, lipsticks, etc. 428,643–4; Apr. 1; Serial Nos. 483,140–1; published Jan. 7, 1947. Class 6.

Norwood Manufacturing Company: *See*—
Norwood, Robert R.

Norwood, Robert R., doing business as Norwood Manufacturing Company, Mineral Wells, Tex. Sclerosing solution. 428,777; Apr. 1; Serial No. 502,076; published Jan. 7, 1947. Class 6.

Nova Chemical Corporation, New York, N. Y. Dyestuffs and pigment colors. 428,688; Apr. 1; Serial No. 495,403; published Dec. 24, 1946. Class 6.

Nutritional Research Associates, Inc., South Whitley, Ind. Medicinal feeding preparation. 428,654; Apr. 1; Serial No. 486,159; published Dec. 24, 1946. Class 6.

O-Cedar of Canada Limited, Toronto, Ontario, Canada. Liquid, air refreshing deodorants. 428,665; Apr. 1; Serial No. 489,605; published Dec. 31, 1946. Class 6.

Pacific Northwest Farms Illustrated, Spokane, Wash. Periodical publications. 428,824; Apr. 1. Class 38.

Park & Tilford Distillers Inc.: *See*—
Bonnie Bros.

Parke, Davis & Company: *See*—
Lilly, Eli, and Company.

Parke, Davis & Company, Detroit, Mich. Dentifrices, toilet creams, and toilet powders. 50,085; re-renewed Dec. 4, 1946. O. G. Apr. 1. Class 6.

Parke, Davis & Company, Detroit, Mich. Preparation for the treatment of syphilis. 220,808; renewed Nov. 16, 1946. O. G. Apr. 1. Class 6.

Parke, Davis & Company, Detroit, Mich. Disinfectant. 220,829; renewed Nov. 16, 1946. O. G. Apr. 1. Class 6.

Parke, Davis & Company, Detroit, Mich. Urinary antiseptic and diuretic. 222,337; renewed Dec. 28, 1946. O. G. Apr. 1. Class 6.

Pendleton Woolen Mills, Portland, Oreg. Sweaters, mackinaw coats, bathrobes, etc. 224,036; renewed Feb. 15, 1947. O. G. Apr. 1. Class 39.

Penick & Ford, Ltd., Incorporated: *See*—
Vermont Maple Syrup Co., Inc. of St. Johnsbury.

Pittsburgh Corning Corporation, Pittsburgh, Pa. Architectural glass. 428,721–4; Apr. 1; Serial Nos. 499,654–7; published Jan. 14, 1947. Class 12.

Plastic Metal Manufacturing Company, Chicago, Ill. Household utensils. 428,656; Apr. 1; Serial No. 487,206; published Jan. 14, 1947. Class 13.

Polan Industries, Huntington, W. Va. Objective lenses, prisms, borescopes, magnifiers, etc. 428,816; Apr. 1. Class 26.

Pollak Steel Company, The, Cincinnati, Ohio. Steel reinforcing bars for construction purposes. 428,802; Apr. 1; Serial No. 505,130; published Jan. 14, 1947. Class 12.

Pond's Extract Company, to Pond's Extract Company, New York, N. Y. Distilled extract of hamamelis. 59,203; re-renewed Jan. 1, 1947. O. G. Apr. 1. Class 6.

Poor & Company, Chicago, Ill. Addition agent for copper cyanide plating solutions, etc. 428,741; Apr. 1; Serial No. 501,005; published Nov. 26, 1946. Class 6.

Poweraire Corporation, Chicago, Ill. Paint-on insecticide. 428,781; Apr. 1; Serial No. 502,325; published Jan. 7, 1947. Class 6.

Procter & Gamble Company, The: *See*—
Waltke, William, & Co.

Pynol Company, The, Quincy, Ill. Liquid pine oil disinfectant. 428,745; Apr. 1; Serial No. 501,199; published Dec. 24, 1946. Class 6.

Quinco Products: *See*—
Slate Company, The.

R & R Products Company: *See*—
Ramirez, M. L.

Ramirez, M. L., doing business as R & R Products Company, Corpus Christi, Tex. Brilliantine, hair oil, hair pomade, etc. 428,670; Apr. 1; Serial No. 492,738; published Jan. 7, 1947. Class 6.

Réja, Inc., New York, N. Y. Costume jewelry. 428,746; Apr. 1; Serial No. 501,200; published Dec. 31, 1946. Class 28.

Rentner, Maurice, Perfume Co., Inc., New York, N. Y. Perfume, cologne, sachet powder, etc. 428,711; Apr. 1; Serial No. 498,714; published Dec. 31, 1946. Class 6.

Riley, Stephen, Company: *See*—
Riley, Stephen E.

Riley, Stephen E., doing business as Stephen Riley Company, Los Angeles, Calif. Perfume. 428,715; Apr. 1; Serial No. 499,153; published Dec. 31, 1946. Class 6.

Rockwell Manufacturing Company, Pittsburgh and Homewood, Pittsburgh, Pa. Plug valves. 428,699; Apr. 1; Serial No. 497,335; published Dec. 31, 1946. Class 13.

Rosevear, William B., Jr., Greensboro, N. C. Tooth paste. 428,808; Apr. 1; Serial No. 511,898; published Dec. 31, 1946. Class 6.

Rothschild & Sons, Inc., Kansas City, Mo. Men's and boys' suits of clothes, overcoats, topcoats, and raincoats. 224,243; renewed Feb. 22, 1947. O. G. Apr. 1. Class 39.

Royal Craftsmen, Inc., New York, N. Y. Simulated pearls. 428,792–4; Apr. 1; Serial Nos. 503,006–8; published Dec. 31, 1946. Class 28.

Runkel Brothers, Incorporated, to Lamont, Corliss & Company, New York, N. Y. All kinds of candies and bonbons. 59,929; re-renewed Jan. 22, 1947. O. G. Apr. 1. Class 46.

Salem Products Corp., New York, N. Y. Shoulder pads. 428,647; Apr. 1; Serial No. 483,930; published Jan. 14, 1947. Class 40.

Sardou, A. P., Laboratories: *See*—
Sardou, Anthony P.

Sardou, Anthony P., doing business as A. P. Sardou Laboratories, Albany, N. Y. Medicated cream. 428,701; Apr. 1; Serial No. 497,418; published Dec. 24, 1946. Class 6.

Scelsi, Lee J., doing business as Shell-C-Laboratories, Buffalo, N. Y. Medicinal anti-acid powder. 428,783; Apr. 1; Serial No. 502,408; published Jan. 7, 1947. Class 6.

Schick Incorporated, Stamford, Conn. Razor wall bracket. 428,788; Apr. 1; Serial No. 502,722; published Dec. 31, 1946. Class 13.

Schoenfeld Bros., Inc., to Schoenfeld Neckwear Company, Seattle, Wash. Men's cravats. 213,264; renewed May 25, 1946. O. G. Apr. 1. Class 39.

Schoenfeld Neckwear Company: *See*—
Schoenfeld Bros., Inc.

Schorsch & Co., to Schorsch & Co., Inc., New York, N. Y. Paper bags. 60,492–4; re-renewed Feb. 12, 1947. O. G. Apr. 1. Class 2.

Schorsch & Co. Inc.: *See*—
Schorsch & Co.

Selig Company, The, Atlanta, Ga. Resin finish for concrete floors. 426,660; Apr. 1; Serial No. 488,782; published May 7, 1946. Class 16.

Sellner, Herbert W., doing business as Sellner Manufacturing Company, to The Sellner Manufacturing Company, Inc., Faribault, Minn. Merry-go-round or carrousel. 221,910; renewed Dec. 14, 1946. O. G. Apr. 1. Class 22.

Sellner Manufacturing Company: *See*—
Sellner, Herbert W.

Sellner Manufacturing Company, Inc., The: *See*—
Sellner, Herbert W.

Shapleigh Hardware Company: *See*—
Simmons Hardware Co.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Antigenic preparation. 428,770; April 1; Serial No. 501,874; published Dec. 24, 1946. Class 6.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Preparation for use in the treatment of the circulatory system. 428,771; Apr. 1; Serial No. 501,876; published Dec. 24, 1946. Class 6.

Shell-C-Laboratories: *See*—
Scelsi, Lee J.

Silbert, Maurice W., doing business as Williams Pharmaceuticals, Cleveland Heights, Ohio. Preparation in liquid and capsule form. 428,717; Apr. 1; Serial No. 499,289; published Dec. 24, 1946. Class 6.

Simmons Hardware Co., to Shapleigh Hardware Company, St. Louis, Mo. Hair-clippers, table-knives, table-forks, etc. 60,570; re-renewed Feb. 12, 1947. O. G. Apr. 1. Class 23.

Simon, Harry A., doing business as La Floreal Parfum Sales Co., Hollywood, Calif. Perfumes and colognes. 428,641; Apr. 1; Serial No. 482,183; published Dec. 24, 1946. Class 6.

Six Wheels, Inc.: *See*—
Six Wheels Incorporated.

Six Wheels Incorporated, to Six Wheels, Inc., Los Angeles, Calif. Automobile trucks. 209,196; renewed Feb. 16, 1946. O. G. Apr. 1. Class 19.

Slate Company, The, doing business under the name Quinco Products, Quincy, Mass. Witch hazel, medicinal mineral oil, peroxide of hydrogen, etc. 428,648; Apr. 1; Serial No. 483,993; published Mar. 26, 1946. Class 6.

Smith, Olive, Chicago, Ill. Cologne, face powder, lipstick, etc. 428,753; Apr. 1; Serial No. 501,480; published Dec. 31, 1946. Class 6.

Snyder, Herman, doing business as Bondlok Products Company, New York, N. Y. Slide fasteners. 428,651; Apr. 1; Serial No. 485,248; published Jan. 14, 1947. Class 13.

Societe des Usines Chimiques Rhone-Poulenc: *See*—
Les Etablissements Poulenc Freres.

Societe le Ripolin, Paris, France. Paints in dry form and in the form of paste and ready-mixed paints, lacquer paints, etc. 221,174; renewed Nov. 23, 1946. O. G. Apr. 1. Class 16.

Society of Chemical Industry in Basle, to Ciba Limited, Basel, Switzerland. Cholagogue. 218,256; renewed Sept. 21, 1946. O. G. Apr. 1. Class 6.

Society of Chemical Industry in Basle, to Ciba Limited, Basel, Switzerland. Coal-tar colors. 218,257; renewed Sept. 21, 1946. O. G. Apr. 1. Class 6.

Southworth Company, West Springfield, Mass. Writing and printing paper and writing tablets. 428,787; Apr. 1; Serial No. 502,667; published Jan. 14, 1947. Class 37.

Sport Products Inc., Cincinnati, Ohio. Men's and boys' sport clothing and clothing for athletic contests, padded and unpadded. 428,748; Apr. 1; Serial No. 501,416; published Dec. 17, 1946. Class 39.

Standard Underground Cable Company, Pittsburg, Pa., to General Cable Corporation, New York, N. Y. Wires and cables, insulated. 58,205; re-renewed Dec. 11, 1946. O. G. Apr. 1. Class 21.

Standard Underground Cable Company, Pittsburg, Pa., to General Cable Corporation, New York, N. Y. Wires and cables, insulated. 58,207; re-renewed Dec. 11, 1946. O. G. Apr. 1. Class 21.

Standard Underground Cable Company, Pittsburg, Pa., to General Cable Corporation, New York, N. Y. Insulated wire and cables and insulating compound for electric service. 58,454; re-renewed Dec. 18, 1946. O. G. Apr. 1. Class 21.

Standard Varnish Works, Staten Island, N. Y. Baking enamel. 428,727; Apr. 1; Serial No. 500,142; published Nov. 19, 1946. Class 16.

Stearns, Frederick & Co., Detroit, Mich., to Sterling Drug Inc., Wilmington, Del. Medicinal fluid extracts, medicinal solid extracts, medicinal powdered extracts, etc. 60,598; re-renewed Feb. 12, 1947. O. G. Apr. 1. Class 6.

Steel Pharmaceutical Co. Inc., New York, N. Y. Tablets of mannitol hexanitrate with pentobarbital sodium. 428,775; Apr. 1; Serial No. 502,032; published Dec. 31, 1946. Class 6.

Steele, H., y Cia., S. A., Mexico City, Mexico. Watches and clocks and parts thereof. 428,800; Apr. 1; Serial No. 503,612; published Jan. 14, 1947. Class 27.

Stember, Bernard, doing business as Devon Originations, Summit, N. J. Purses, pocketbooks, handbags, etc. 428,803; Apr. 1; Serial No. 505,990; published Jan. 14, 1947. Class 3.

Sterling Drug Inc.: *See*—
Stearns, Frederick & Co.

Stor-Aid, Inc., New York, N. Y. Sheeting composed of polyvinyl and polyethylene. 428,671; Apr. 1; Serial No. 492,747; published Jan. 14, 1947. Class 42.

Sunroc Refrigeration Company, Glen Riddle, Pa., assignor to Sunroc Refrigeration Company. Water coolers and drinking fountains. 428,687; Apr. 1; Serial No. 495,158; published Jan. 14, 1947. Class 31.

Taxi Age Inc., New York, N. Y. Regularly appearing trade journals. 428,811; Apr. 1. Class 38.

Thompson-Hayward Chemical Company, Kansas City, Mo. Vitamin concentrate. 428,678; Apr. 1; Serial No. 493,851; published Dec. 31, 1946. Class 6.

Thyben Pharmacal Company: *See—*
Greenfield, Louis.

Tissue Products Co., The, New York, N. Y. Mentholated facial tissue. 428,683; Apr. 1; Serial No. 494,585; published Dec. 24, 1946. Class 6.

Toni, Incorporated, assignor to Noma, Incorporated, St. Paul, Minn. Hair waving lotion and neutralizer. 428,681; Apr. 1; Serial No. 494,142; published Jan. 7, 1947. Class 6.

Tri-Tix, Inc., Milwaukee, Wis. Adhesive compound. 428,700; Apr. 1; Serial No. 497,352; published Jan. 14, 1947. Class 5.

Turquoise Indian Trading Co., Santa Barbara, Calif. Jewelry. 428,772; Apr. 1; Serial No. 501,940; published Jan. 7, 1947. Class 28.

Tyso Company, Boston, Mass. Cough medicine. 428,632; Apr. 1; Serial No. 474,146; published Jan. 7, 1947. Class 6.

Ulmann, Bernhard, Co. Inc., New York, N. Y. Hand knitting yarns. 428,801; Apr. 1; Serial No. 504,013; published Jan. 21, 1947. Class 43.

United Chromium, Incorporated, New York, N. Y., Waterbury, Conn., Detroit, Mich., Los Angeles, Calif., and Cartaret, N. J. Cements. 428,714; Apr. 1; Serial No. 499,090; published Jan. 14, 1947. Class 5.

United Shoe Machinery Corporation, Boston, Mass. Stitching wax. 428,773; Apr. 1; Serial No. 501,941; published Dec. 31, 1946. Class 6.

United States Quarry Tile Company, Canton and East Sparta, Ohio, and Parkersburg, W. Va. Jewels and formed ornamental jewel pieces. 428,657; Apr. 1; Serial No. 487,229; published Dec. 31, 1946. Class 28.

United States Quarry Tile Company, Canton and East Sparta, Ohio, and Parkersburg, W. Va. Tubes for use as fluid conduits, rods; valve seat rings, etc. 428,662; Apr. 1; Serial No. 489,546; published Jan. 14, 1947. Class 13.

Unity Products Co., New York, N. Y. Slide fasteners and zippers. 428,782; Apr. 1; Serial No. 502,356; published Dec. 24, 1946. Class 13.

Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. 428,629; Apr. 1; Serial No. 463,611; published June 25, 1946. Class 6.

Upjohn Company, The, Kalamazoo, Mich. Medicinal preparations. 428,646; Apr. 1; Serial No. 483,596; published Jan. 7, 1947. Class 6.

Velsicol Corporation, Chicago, Ill. Core oils. 428,806; Apr. 1; Serial No. 497,903; published Oct. 8, 1946. Class 5.

Vereinigte Chenin-Fabriken, Zimmer & Co., Gesellschaft mit beschrankter Haftung, Frankfort-on-the-Main, Germany, to The Chemical Foundation, Incorporated, New York, N. Y. Medicament comprising menthol. 29,457; re-renewed Jan. 12, 1947. O. G. Apr. 1. Class 6.

Vermont Maple Syrup Co., Inc. of St. Johnsbury, St. Johnsbury, Vt., to Penick & Ford, Ltd., Incorporated, New York, N. Y. Cane and maple sirup. 218,741; renewed Oct. 5, 1946. O. G. Apr. 1. Class 46.

Victaulic Company of America, New York, N. Y. Flexible pipe couplings and pipe fittings. 428,650; Apr. 1; Serial No. 484,110; published Jan. 7, 1947. Class 13.

Visking Corporation, The, Chicago, Ill. Flexible thin-walled plastic tubing. 428,736; Apr. 1; Serial No. 500,432; published Jan. 14, 1947. Class 1.

Vitamins & Pharmaceuticals, Inc., Dover, Del. Double salt of calcium ascorbate acetylsalicylate. 428,691; Apr. 1; Serial No. 496,181; published Dec. 24, 1946. Class 6.

Wadman, Rex W., New York, N. Y. Trade magazine. 428,813; Apr. 1. Class 38.

Walker, John T., doing business as Allied Products Company, Chicago, Ill. Chemical preparation. 428,666; Apr. 1; Serial No. 489,779; published Mar. 26, 1946. Class 6.

Waltke, William & Co., St. Louis, Mo., to The Procter & Gamble Company, Cincinnati, Ohio. Soap. 29,392; re-renewed Dec. 29, 1946. O. G. Apr. 1. Class 4.

Warner, William R., & Co., Inc., New York, N. Y. Vitamin capsules and a medicinal preparation. 428,744; Apr. 1; Serial No. 501,100; published Jan. 7, 1947. Class 6.

Weilly, Lilly, New York, N. Y. Misses' and ladies' handbags. 428,823; Apr. 1. Class 3.

Welborn, Merle G., Bakersfield, Calif. Pictures. 428,827; Apr. 1. Class 38.

Westall, Evelyn, doing business as Evelyn Westall Co., New York, N. Y. Perfume, toilet water, and cologne. 428,732; Apr. 1; Serial No. 500,337; published Dec. 24, 1946. Class 6.

Westall, Evelyn Co.: *See—*
Westall, Evelyn.

Westbury Chemical Company, Inc., New York, N. Y. Medicines. 428,663; Apr. 1; Serial No. 489,549; published Dec. 31, 1946. Class 6.

Williams Pharmaceuticals: *See—*
Silbert, Maurice W.

Winthrop Chemical Company, Inc.: *See—*
Farbenfabriken, Vormals Fried. Bayer & Co.

Wirfs-Bosley Corporation: *See—*
Bosley, D. W., Company, The.

Wood, G. H., & Co. Limited, Toronto, Ontario, Canada Cleaning and waxing preparation. 428,708; Apr. 1; Serial No. 498,475; published Jan. 7, 1947. Class 16.

World Products Corp., New York, N. Y. Preparation containing amino acids. 428,737; Apr. 1; Serial No. 500,506; published Dec. 24, 1946. Class 6.

Wormington, Mabel L., Kansas City, Mo. Non-electric hair curling device. 428,694; Apr. 1; Serial No. 496,529; published Jan. 14, 1947. Class 40.

Wright & Glenn Company, Inc., New York, N. Y. Children's cosmetics. 428,718; Apr. 1; Serial No. 499,301; published Dec. 24, 1946. Class 6.

Yates-American Machine Company, Beloit, Wis., and Rochester, N. Y., to Yates-American Machine Company, Beloit, Wis. Woodworking machines. 223,872; renewed Feb. 15, 1947. O. G. Apr. 1. Class 23.

Zouri Drawn Metals Company, Chicago Heights, Ill., to The Kawneer Company, Niles, Mich. Store-front constructions or settings. 220,710; renewed Nov. 16, 1946. O. G. Apr. 1. Class 12.

Zitomer Chemists, Inc., New York, N. Y. Throat pastille. 428,693; Apr. 1; Serial No. 496,361; published Jan. 7, 1947. Class 6.

Ziv Steel & Wire Co., Chicago, Ill. Drill and tool steel. 223,789; renewed Feb. 8, 1947. O. G. Apr. 1. Class 14.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Extract of hamamelis, Distilled. Pond's Extract Company. 59,203; re-renewed Jan. 1, 1947. O. G. Apr. 1.

Frit for use in preparation of porcelain enamels. O. Hommel Company. 428,831; Apr. 1.

Resin, Synthetic. Hercules Powder Company. 428,673; Apr. 1; Serial No. 493,190; published Jan. 14, 1947.

Resin, Synthetic. Hercules Powder Company. 428,702–3; Apr. 1; Serial Nos. 497,478–9; published Jan. 14, 1947.

Tubing, Flexible thin-walled plastic. Visking Corporation. 428,736; Apr. 1; Serial No. 500,432; published Jan. 14, 1947.

CLASS 2

Bags, Paper. Schorsch & Co. 60,492–4; re-renewed Feb. 12, 1947. O. G. Apr. 1.

CLASS 3

Handbags, Misses' and ladies'. L. Weilly. 428,823; Apr. 1.

Luggage. Airborne Luggage Co. 428,784; Apr. 1; Serial No. 502,416; published Jan. 14, 1947.

Purses. Anita Gay Creations. 428,676; Apr. 1; Serial No. 493,676; published Jan. 14, 1947.

Purses, pocketbooks, handbags, etc. B. Stember. 428,803; Apr. 1; Serial No. 505,990; published Jan. 14, 1947.

Purses to hold cosmetics, and wallets. B. Halberg. 428,820; Apr. 1.

Saddles, Horse. R. Holes. 428,833; Apr. 1.

Saddletrees. R. Holes. 428,832; Apr. 1.

CLASS 4

Soap. William Waltke & Co. 29,392; re-renewed Dec. 29, 1946. O. G. Apr. 1.

Soap, Granulated. K. C. Working Chemical Co. 428,822; Apr. 1.

CLASS 5

Adhesive compound. Tri-Tix, Inc. 428,700; Apr. 1; Serial No. 497,352; published Jan. 14, 1947.

Cement, Adhesive. Burt Manufacturing Company. 428,756; Apr. 1; Serial No. 501,563; published Jan. 14, 1947.

Cements. United Chromium, Incorporated. 428,714; Apr. 1; Serial No. 499,090; published Jan. 14, 1947.

Core oils. Velsicol Corporation. 428,806; Apr. 1; Serial No. 497,903; published Oct. 8, 1946.

CLASS 6

Agent for copper cyanide plating solutions, Addition. Poor & Company. 428,741; Apr. 1; Serial No. 501,005; published Nov. 26, 1946.

Antigenic preparation. Sharp & Dohme, Incorporated. 428,770; Apr. 1; Serial No. 501,874; published Dec. 24, 1946.

Antiseptic and disinfectant preparations; ointment; and certain other chemicals, etc. Lysol, Incorporated. 224,321; renewed Feb. 22, 1947. O. G. Apr. 1.

Antiseptic and diuretic, Urinary. Parke, Davis & Company. 222,337; renewed Dec. 28, 1946. O. G. Apr. 1.

Blood coagulant. Wm. S. Merrell Company. 428,697; Apr. 1; Serial No. 496,919; published Dec. 24, 1946.

Boiler-cleaning compounds. John Callahan & Co., Inc. 60,793; re-renewed Feb. 19, 1947. O. G. Apr. 1.

Boiler compound. R. E. Clifford. 223,134; renewed Jan. 18, 1947. O. G. Apr. 1.

Brilliantine, hair oil, hair pomade, etc. M. L. Ramirez. 428,670; Apr. 1; Serial No. 492,738; published Jan. 7, 1947.

Capsules and a medicinal preparation, Vitamin. William R. Warner & Co., Inc. 428,744; Apr. 1; Serial No. 501,100; published Jan. 7, 1947.

Chemical agent. Geigy Company, Inc. 428,761; Apr. 1; Serial No. 501,659; published Dec. 24, 1946.

Chemical agent. Geigy Company, Inc. 428,763; Apr. 1; Serial No. 501,661; published Dec. 24, 1946.

Chemical preparation. J. T. Walker. 428,666; Apr. 1; Serial No. 489,779; published Mar. 26, 1946.

Chemical products. Les Etablissements Poulenc Freres. 218,000; renewed Sept. 14, 1946. O. G. Apr. 1.

Chemical products. Monsanto Chemical Company. 428,706; Apr. 1; Serial No. 498,242; published Nov. 12, 1946.

Cholagogue. Society of Chemical Industry in Basle. 218,256; renewed Sept. 21, 1946. O. G. Apr. 1.

Cleaner, Diamond instrument. Dental Specialty Manufacturing Co., Inc. 428,719; Apr. 1; Serial No. 499,322; published Dec. 24, 1946.

Coal-tar colors. Society of Chemical Industry in Basle. 218,257; renewed Sept. 21, 1946. O. G. Apr. 1.

Cologne, face powder, lipstick, etc. O. Smith. 428,753; Apr. 1; Serial No. 501,480; published Dec. 31, 1946.

Cologne, toilet water, and hand lotion. S. Greenblatt. 428,710; Apr. 1; Serial No. 498,691; published Dec. 31, 1946.

Colognes. Irresistible, Inc. 428,759; Apr. 1; Serial No. 501,575; published Jan. 7, 1947.

Composition containing chemical ingredients. Flower Foods, Inc. 428,774; Apr. 1; Serial No. 501,967; published Dec. 31, 1946.

Cosmetic kits. R. Hudnut. 428,763; Apr. 1; Serial No. 501,666; published Dec. 24, 1946.

Cosmetics. Kenra, Incorporated. 428,669; Apr. 1; Serial No. 492,500; published Jan. 7, 1947.

Cosmetics and toiletries. P. Kunian. 428,809; Apr. 1; Serial No. 512,002; published Dec. 31, 1946.

Cosmetics, Children's. Wright & Glenn Company, Inc. 428,718; Apr. 1; Serial No. 499,301; published Dec. 24, 1946.

Cough medicine. Tyso Company. 428,632; Apr. 1; Serial No. 474,146; published Jan. 7, 1947.

Cream, Cosmetic skin. V. Berman. 428,659; Apr. 1; Serial No. 488,685; published Jan. 7, 1947.

Cream, Medicated. A. P. Sardou. 428,701; Apr. 1; Serial No. 497,418; published Dec. 24, 1946.

Decolouring substance. O. J. Meijer's Dextrinefabrieken, N. V. 428,705; Apr. 1; Serial No. 497,730; published Dec. 31, 1946.

Dentifrices, toilet creams, and toilet powders. Parke, Davis & Company. 58,085; re-renewed Dec. 4, 1946. O. G. Apr. 1.

Deodorant, Liquid, air freshening. O-Cedar of Canada Limited. 428,665; Apr. 1; Serial No. 489,605; published Dec. 31, 1946.

Disinfectant. Parke, Davis & Company. 220,829; renewed Nov. 16, 1946. O. G. Apr. 1.

Disinfectant, Liquid pine oil. Pynol Company. 428,745; Apr. 1; Serial No. 501,199; published Dec. 24, 1946.

Dyestuffs and pigment colors. Nova Chemical Corporation. 428,688; Apr. 1; Serial No. 495,403; published Dec. 24, 1946.

Dyes. Bachmeier & Co. Inc. 428,764; Apr. 1; Serial No. 501,708; published Dec. 24, 1946.

Ear drops. Doho Chemical Corporation. 428,695; Apr. 1; Serial No. 496,548; published Dec. 24, 1946.

Ephedrin sulphate. Eli Lilly and Company. 222,308; renewed Dec. 28, 1946. O. G. Apr. 1.

Extract of thyroid glands. Farbenfabriken, Vormals Fried. Bayer & Co. 29,406; re-renewed Jan. 5, 1947. O. G. Apr. 1.

Fluid extracts, medicinal solid extracts, medicinal powdered extracts, etc. Frederick Stearns & Co. 60,598; re-renewed Feb. 12, 1947. O. G. Apr. 1.

Gall cure. Bickmore Gall Cure Company. 56,602; re-renewed Oct. 9, 1946. O. G. Apr. 1.

Hair dressing preparation. Great Atlantic Laboratories, Inc. 428,640; Apr. 1; Serial No. 480,107; published Dec. 31, 1946.

Hair dressing, pressing oil, scalp preparations, etc. Mecos, Inc. 428,698; Apr. 1; Serial No. 497,259; published Dec. 31, 1946.

Hormone preparation. Abbott Laboratories. 428,728; Apr. 1; Serial No. 500,157; published Dec. 24, 1946.

Ingredients having therapeutic value, Mixture of. Colin Pharmacal Co., Inc. 428,766; Apr. 1; Serial No. 501,800; published Dec. 24, 1946.

Insecticide and fungicides. General Chemical Company. 428,776; Apr. 1; Serial No. 502,069; published Dec. 24, 1946.

Insecticide, Paint-on. Poweraire Corporation. 428,781; Apr. 1; Serial No. 502,325; published Jan. 7, 1947.

Insecticides. C. B. Dolge Company. 428,765; Apr. 1; Serial No. 501,721; published Jan. 7, 1947.

Insecticides and herbicides. Glidden Company. 428,726; Apr. 1; Serial No. 500,075; published Dec. 24, 1946.

Laxative, Bulk. Maltine Company. 428,768–9; Apr. 1; Serial Nos. 501,851–2; published Dec. 24, 1946.

Lipstick. Richard Hudnut. 428,655; Apr. 1; Serial No. 486,674; published Dec. 24, 1946.

Lipstick and rouge. House of Westmore, Inc. 428,751–2; Apr. 1; Serial Nos. 501,454–5; published Jan. 7, 1947.

Liquid designed for resizing materials after washing or dyeing. Eaton-Clark Company. 428,712; Apr. 1; Serial No. 499,829; published Feb. 18, 1947.

Liquid preparation. John T. Milliken & Company. 224,039; renewed Feb. 15, 1947. O. G. Apr. 1.

Lotion and neutralizer, Hair waving. Toni, Incorporated. 428,681; Apr. 1; Serial No. 494,142; published Jan. 7, 1947.

Medical tonic, General. Cresta Blanca Company. 222,956; renewed Jan. 11, 1947. O. G. Apr. 1.

Medicament comprising menthol. Vereinigte Chenin-Fabriken, Zimmer & Co. 29,457; re-renewed Jan. 12, 1947. O. G. Apr. 1.

Medicinal anti-acid powder. L. J. Scelsi. 428,783; Apr. 1; Serial No. 502,408; published Jan. 7, 1947.

Medicinal feeding preparation. Nutritional Research Associates, Inc. 428,654; Apr. 1; Serial No. 486,159; published Dec. 24, 1946.

Medicinal preparation. L. Greenfield. 428,696; Apr. 1; Serial No. 496,906; published Dec. 31, 1946.

Medicinal preparation. Upjohn Company. 428,629; Apr. 1; Serial No. 463,611; published June 25, 1946.

Medicinal preparations. Upjohn Company. 428,646; Apr. 1; Serial No. 483,596; published Jan. 7, 1947.

Medicine, Liniment, cod-liver-oil, etc., Cough. Y. S. Loo. 217,911; renewed Sept. 14, 1946. O. G. Apr. 1.

Medicines. Westbury Chemical Company, Inc. 428,663; Apr. 1; Serial No. 489,549; published Dec. 31, 1946.

Medicines and liquid vaccines, Liquid. Laboratorios Veter, S. A. 428,636; Apr. 1; Serial No. 477,891; published Dec. 31, 1946.

Menthol plasters; salve and pills. Davis & Lawrence Company. 428,635; Apr. 1, 1947; Serial No. 477,869; published Jan. 7, 1947.

Nail polish, lipstick, rouge, etc. A. C. Garmendia. 428,661; Apr. 1; Serial No. 489,456; published Dec. 24, 1946.

Oil, Sun tan. Kay Daumit, Inc. 428,740; Apr. 1; Serial No. 500,958; published Jan. 7, 1947.

Oils, Fixed. Antoine Chir's Company, Inc. 428,709; Apr. 1; Serial No. 498,582; published Dec. 24, 1946.

Parasiticides. California Spray-Chemical Corporation. 428,750; Apr. 1; Serial No. 501,434; published Dec. 31, 1946.

Pastille, Throat. Zitomer Chemists, Inc. 428,693; Apr. 1; Serial No. 496,361; published Jan. 7, 1947.

Peptic bitters. Estate of Louis E. Jung. 220,760; renewed Nov. 16, 1946. O. G. Apr. 1.

Perfume. S. E. Riley. 428,715; Apr. 1; Serial No. 499,153; published Dec. 31, 1946.

Perfume, cologne, sachet powder, etc. Maurice Rentner Perfume Co., Inc. 428,711; Apr. 1; Serial No. 498,714; published Dec. 31, 1946.

Perfume, toilet water, and cologne. E. Westall. 428,732; Apr. 1; Serial No. 500,337; published Dec. 24, 1946.

Perfume, toilet water, eau de cologne, etc. A. A. Flaster. 428,743; Apr. 1; Serial No. 501,061; published Jan. 7, 1947.

Perfumes and colognes. H. A. Simon. 428,641; Apr. 1; Serial No. 482,183; published Dec. 24, 1946.

Perfumes, rouges, lipsticks, etc. Ethel Lea Nore, Inc. 428,643–4; Apr. 1; Serial Nos. 483,140–1; published Jan. 7, 1947.

Perfumes, toilet creams, eau de cologne, etc. Myrurgia, S. A. 428,645; Apr. 1; Serial No. 483,277; published Sept. 4, 1945.

Perfumes, toilet waters, and cosmetic creams. Lentheric, Incorporated. 428,634; Apr. 1; Serial No. 474,859; published Dec. 24, 1946.

Perfumes, toilet waters, and cosmetic creams. Lentheric, Incorporated. 428,790–1; Apr. 1; Serial Nos. 502,986–7; published Dec. 24, 1946.

Phenylmethylmalonylurea, employed in the treatment of epilepsy. Les Etabl'ssements Poulenc Freres. 217,999; renewed Sept. 14, 1946. O. G. Apr. 1.

Photographic developers. J. Hauff & Co. G. M. B. H. 57,145; re-renewed Nov. 6, 1946. O. G. Apr. 1.

Powder, Alkaline. Associated Physicians Laboratories. 213,738; renewed June 1, 1946. O. G. Apr. 1.

Powder, foundation lotion, and rouge, Face. R. Hudnut. 428,685; Apr. 1; Serial No. 494,681; published Dec. 31, 1946.

Powder, Lipstick, rouge, etc., Face. Farel Destin, Inc. 428,742; Apr. 1; Serial No. 501,054; published Jan. 7, 1947.

Preparation containing amino acids. World Products Corp. 428,737; Apr. 1; Serial No. 500,506; published Dec. 24, 1946.

Preparation for the treatment of coccidiosis. Ebersole-Gaetz-Rhodes Co. 428,653; Apr. 1; Serial No. 485,862; published Dec. 31, 1946.

Preparation for the treatment of eczema. Chemdrug Corporation. 428,784; Apr. 1; Serial No. 500,365; published Dec. 24, 1946.

Preparation for the treatment of syphilis. Parke, Davis & Company. 220,808; renewed Nov. 16, 1946. O. G. Apr. 1.

Preparation for treating colon and stomach disorders, etc. J. E. Hunter. 428,664; Apr. 1; Serial No. 489,583; published Dec. 31, 1946.

Preparation for use in the treatment of the circulatory system. Sharp & Dohme, Incorporated. 428,771; Apr. 1; Serial No. 501,876; published Dec. 24, 1946.

Preparation having use as an insecticide, rodenticide, weed killer, etc. American Cyanamid & Chemical Corporation. 428,739; Apr. 1; Serial No. 500,922; published Dec. 24, 1946.

Preparation in liquid and capsule form. M. W. Silbert. 428,717; Apr. 1; Serial No. 499,289; published Dec. 24, 1946.

Remedy for bowel complaints. T. P. Marshall. 55,762; re-renewed Aug. 21, 1946. O. G. Apr. 1.

Remedy for the ailments of canaries and other seed-eating birds. F. Kaempfer. 57,862; re-renewed Nov. 27, 1946. O. G. Apr. 1.

Remedy for the diseases of the digestive organs, and as a solvent of the membrane in diphtheria. Dr. Finkler & Co., Papain. 58,060; re-renewed Dec. 4, 1946. O. G. Apr. 1.

Sachet, Perfumed. Chemdrug Corporation. 428,686; Apr. 1; Serial No. 494,814; published Dec. 24, 1946.

Salt of calcium ascorbate acetylsalicylate, Double. Vitamins & Pharmaceuticals, Inc. 428,691; Apr. 1; Serial No. 496,181; published Dec. 24, 1946.

Salve. Bickmore Gall Cure Company. 56,600–1; re-renewed Oct. 9, 1946. O. G. Apr. 1.

Salve. S. Galovich. 428,785; Apr. 1; Serial No. 502,434; published Dec. 24, 1946.

Salve for the treatment of blood poison, burns, cuts, etc. F. Kleinhenz. 223,209; renewed Jan. 18, 1947. O. G. Apr. 1.

Sclerosing solution. R. R. Norwood. 428,777; Apr. 1; Serial No. 502,076; published Jan. 7, 1947.

Shampoo tint, Oil. Mapril, Inc. 428,731; Apr. 1; Serial No. 500,235; published Dec. 24, 1946.

Solution to be used as a coating, finish or lacquer. H. J. Heribert. 428,747; Apr. 1; Serial No. 501,323; published Dec. 24, 1946.

Tablets for the relief of cold symptoms. Foley & Company. 428,631; Apr. 1; Serial No. 473,982; published Jan. 7, 1947.

Tablets of mannitol hexanitrate with pentobarbital sodium. Steel Pharmaceutical Co. Inc. 428,775; Apr. 1; Serial No. 502,032; published Dec. 31, 1946.

Tablets to be used in the treatment of acid stomach. Associated Physicians Laboratories. 213,737; renewed June 1, 1946. O. G. Apr. 1.

Tissue, Mentholated facial. Tissue Products Co. 428,683; Apr. 1; Serial No. 494,585; published Dec. 24, 1946.

Toilet waters, dental powders, pastes, etc. Colgate & Co. 60,595; re-renewed Feb. 12, 1947. O. G. Apr. 1.

Tooth paste. W. B. Rosevear, Jr. 428,808; Apr. 1; Serial No. 511,898; published Dec. 31, 1946.

Vitamin concentrate. Thompson-Hayward Chemical Company. 428,678; Apr. 1; Serial No. 493,851; published Dec. 31, 1946.

Vitamin preparation. E. R. Anderson. 428,733; Apr. 1; Serial No. 500,352; published Dec. 24, 1946.

Wax, Stitching. United Shoe Machinery Corporation. 428,773; Apr. 1; Serial No. 501,941; published Dec. 31, 1946.

Weedkiller. American Cyanamid Company. 428,807; Apr. 1; Serial No. 511,853; published Dec. 31, 1946.

Witch hazel, medicinal mineral oil, peroxide of hydrogen, etc. Slate Company. 428,648; Apr. 1; Serial No. 483,993; published Mar. 26, 1946.

CLASS 7

String or tape, Wrapping. Chicago Printed String Company. 428,735; Apr. 1; Serial No. 500,366; published Dec. 24, 1946.

Twine, solid braided cotton sash cord, and rope. Auburn Cordage & Twine Co., Inc. 428,674; Apr. 1; Serial No. 493,243; published Jan. 14, 1947.

CLASS 8

Pipes, Smokers'. London Royal Corp. 428,767; Apr. 1; Serial No. 501,850; published Jan. 14, 1947.

CLASS 12

Asbestos cement, tubes and molded pieces of asbestos-cement, slate of all kinds, etc. Eternitwerke Ludwig Hatschek. 223,914; renewed Feb. 15, 1947. O. G. Apr. 1.

Bricks, Refractory. General Refractories Company. 428,804; Apr. 1; Serial No. 508,687; published Jan. 14, 1947.

Building specialties. C. Knowles. 428,652; Apr. 1; Serial No. 485,349; published Jan. 14, 1947.

Cement, Refractory. M. W. Kellogg Company. 219,032; renewed Oct. 12, 1946. O. G. Apr. 1.

Glass, Architectural. Pittsburgh Corning Corporation. 428,721–4; Apr. 1; Serial Nos. 499,654–7; published Jan. 14, 1947.

Laminated material. Haskelite Manufacturing Corporation. 428,779–80; Apr. 1; Serial Nos. 502,211–12; published Jan. 14, 1947.

Steel reinforcing bars for construction purposes. Pollak Steel Company. 428,802; Apr. 1; Serial No. 505,130; published Jan. 14, 1947.

Store-front construction or settings. Zouri Drawn Metals Company. 220,710; renewed Nov. 16, 1946. O. G. Apr. 1.

Weather stripping. D. W. Bosley Company. 222,866; renewed Jan. 11, 1947. O. G. Apr. 1.

CLASS 13

Bathroom accessories. H. J. Elsner. 428,730; Apr. 1; Serial No. 500,208; published Jan. 7, 1947.

Clamps, Line-taut. Karleen Incorporated. 428,704; Apr. 1; Serial No. 497,609; published Dec. 17, 1946.

Fasteners and zippers, Slide. Unity Products Co. 428,782; Apr. 1; Serial No. 502,356; published Dec. 24, 1946.

Fasteners, Slide. H. Snyder. 428,651; Apr. 1; Serial No. 485,248; published Jan. 14, 1947.

Hooks for hanging household and other articles, etc. Atlas-Ansonia Company. 428,786; Apr. 1; Serial No. 502,614; published Dec. 31, 1946.

Hooks, Readily attachable or detachable. R. E. Larsen. 428,738; Apr. 1; Serial No. 500,883; published Dec. 31, 1946.

Pipe couplings and pipe fittings, Flexible. Victaulic Company of America. 428,650; Apr. 1; Serial No. 484,110; published Jan. 7, 1947.

Piping and couplings. Commercial Metals Treating, Inc. 428,720; Apr. 1; Serial No. 499,389; published Dec. 31, 1946.

Tubes for use as fluid conduits, rods; valve seat rings, etc. United States Quarry Tile Company. 428,662; Apr. 1; Serial No. 489,546; published Jan. 14, 1947.

Tubing, and shaped metal tube lengths, Metal. Bundy Tubing Company. 428,642; Apr. 1; Serial No. 482,362; published Jan. 7, 1947.

Utensils, Household. Plastic Metal Manufacturing Company. 428,656; Apr. 1; Serial No. 487,206; published Jan. 14, 1947.

Valve for faucets, Ball. P. E. Beason. 428,637; Apr. 1; Serial No. 478,205; published Mar. 20, 1945.

Valves, Plug. Rockwell Manufacturing Company. 428,699; Apr. 1; Serial No. 497,335; published Dec. 31, 1946.

Wall bracket, Razor. Schick Incorporated. 428,788; Apr. 1; Serial No. 502,722; published Dec. 31, 1946.

CLASS 14

Castings and permanent mold castings, Sand. Ebaloy Foundries, Inc. 428,638–9; Apr. 1; Serial Nos. 479,783–4; published July 24, 1945.

Steel, Drill and tool. Ziv Steel & Wire Co. 223,789; renewed Feb. 8, 1947. O. G. Apr. 1.

CLASS 16

Cleaning and waxing preparation. G. H. Wood & Co. Limited. 428,708; Apr. 1; Serial No. 498,475; published Jan. 7, 1947.

Enamel, Baking. Standard Varnish Works. 428,737; Apr. 1; Serial No. 500,142; published Nov. 19, 1946.

Enamel, gloss enamel paints, Full gloss. Ellis Paint Company. 428,672; Apr. 1; Serial No. 492,827; published Dec. 31, 1946.

Paint. G. Kay. 428,692; Apr. 1; Serial No. 496,243; published Nov. 19, 1946.

Paint, Water paste wall. M. J. Merkin Paint Co. Inc. 224,583; renewed Mar. 1, 1947. O. G. Apr. 1, 1947.

Paints in dry form and in the form of paste and ready-mixed paints, lacquer paints, etc. Societe le Ripolin. 221,174; renewed Nov. 23, 1946. O. G. Apr. 1.

Paints in dry, paste, or ready-mixed form, and paint enamels. Martin-Senour Company. 428,668; Apr. 1; Serial No. 491,420; published Nov. 26, 1946.

Paints, Ready-mixed interior and exterior. Ingram Chemical Laboratories. 428,680; Apr. 1; Serial No. 494,072; published Nov. 26, 1946.

Paste and ready-mixed paints and varnishes. M. J. Merkin Paint Co. Inc. 223,860; renewed Feb. 15, 1947. O. G. Apr. 1.

Resin finish for concrete floors. Selig Company. 428,660; Apr. 1; Serial No. 488,782; published May 7, 1946.

Stains, varnishes, lacquers, etc. Floquil Products, Inc. 428,679; Apr. 1; Serial No. 494,051; published Nov. 26, 1946.

Varnish and filler. Diamond Products Mfg. Co., Inc. 428,633; Apr. 1; Serial No. 474,790; published Nov. 19, 1946.

Waxes and polishes. Midland Laboratories. 428,707; Apr. 1; Serial No. 498,300; published Nov. 19, 1946.

CLASS 17

Cigarettes and smoking tobacco. A. M. Granat. 428,826; Apr. 1.

Cigars. E. Gesben. 428,690; Apr. 1; Serial No. 495,799; published Jan. 14, 1947.

CLASS 19

Trucks, Automobile. Six Wheels Incorporated. 209,196; renewed Feb. 16, 1946. O. G. Apr. 1.

CLASS 21

Batteries, parts thereof, and fan-motors, Primary. Edison Manufacturing Company. 60,343; re-renewed Feb. 5, 1947. O. G. Apr. 1.

Electric batteries. Atlas Battery Works, Inc. 223,187; renewed Jan. 18, 1947. O. G. Apr. 1.

Wire and cables, and insulating compound for electric service, Insulated. Standard Underground Cable Company. 58,454; re-renewed Dec. 18, 1946. O. G. Apr. 1.

Wires and cables, Insulated. Standard Underground Cable Company. 58,205; re-renewed Dec. 11, 1946. O. G. Apr. 1.

Wires and cables, Insulated. Standard Underground Cable Company. 58,207; re-renewed Dec. 11, 1946. O. G. Apr. 1.

CLASS 22

Dolls, Dressed. Nancy Ann Dressed Dolls. 428,819; Apr. 1.

Merry-go-round or carrousel. H. W. Sellner. 221,910; renewed Dec. 14, 1946. O. G. Apr. 1.

CLASS 23

Augers, auger bits, chisels, gauges, etc. Greenlee Bros. & Co. 224,193–4; renewed Feb. 22, 1947. O. G. Apr. 1.

Gilding-tools. W. H. Coe Manufacturing Company. 56,108; re-renewed Aug. 21, 1946. O. G. Apr. 1.

Hair-clippers, table-knives, table-forks, etc. Simmons Hardware Co. 60,570; re-renewed Feb. 12, 1947. O. G. Apr. 1.

Shears, garden-shears, and butchers' knives, Sheep. Burgon & Ball Limited. 57,440; re-renewed Nov. 13, 1946. O. G. Apr. 1.

Shoe-knives, rubber-knives, bread-knives, etc. Harrington Cutlery Co. 56,275; re-renewed Sept. 4, 1946. O. G. Apr. 1.

Woodworking machines. Yates-American Machine Company. 223,872; renewed Feb. 15, 1947. O. G. Apr. 1.

CLASS 24

Sticks, Clothes. A. B. Keller. 428,798; Apr. 1; Serial No. 503,377; published Jan. 14, 1947.

CLASS 26

Lenses, prisms, borescopes, magnifiers, etc., Objective. Polan Industries. 428,816; Apr. 1.

CLASS 27

Watches. Nastrix Watch Co. 428,796–7; Apr. 1; Serial Nos. 503,311–12; published Jan. 14, 1947.

Watches and clocks and parts thereof. H. Steele y Cia., S. A. 428,800; Apr. 1; Serial No. 503,612; published Jan. 14, 1947.

Watches and parts thereof. Felca Watch Corporation. 428,689; Apr. 1; Serial No. 495,600; published Jan. 14, 1947.

Watches and watch movements. Invicta-Seeland, Inc. 428,716; Apr. 1; Serial No. 499,235; published Jan. 14, 1947.

CLASS 28

Bracelets and metallic wrist-watch bands, Metallic flexible-link and expansion. George H. Fisher & Company. 428,778; Apr. 1; Serial No. 502,131; published Jan. 14, 1947.

Bracelets, Babies'. Bates & Klinke, Inc. 428,725; Apr. 1; Serial No. 499,753; published Jan. 7, 1947.

Diamonds, precious stones, and diamond rings. J. Baumgold. 428,630; Apr. 1; Serial No. 472,376; published Jan. 14, 1947.

Jewelry. Leif Brothers. 428,713; Apr. 1; Serial No. 498,999; published Jan. 7, 1947.

Jewelry. Turquoise Indian Trading Co. 428,772; Apr. 1; Serial No. 501,940; published Jan. 7, 1947.

Jewelry, Costume. Réja, Inc. 428,746; Apr. 1; Serial No. 501,200; published Dec. 31, 1946.

Jewels and formed ornamental jewel pieces. United States Quarry Tile Company. 428,657; Apr. 1; Serial No. 487,229; published Dec. 31, 1946.

Pearls, Simulated. Royal Craftsmen, Inc. 478,792–4; Apr. 1; Serial Nos. 503,006–8; published Dec. 31, 1946.

Pins, earrings and bracelets, Ornamental dress and lapel. W. Lampl. 428,755; Apr. 1; Serial No. 501,515; published Dec. 31, 1946.

CLASS 29

Brooms. Amsterdam Broom Co. 223,454; renewed Feb. 1, 1947. O. G. Apr. 1.

Brushes. H. W. Forsey. 428,795; Apr. 1; Serial No. 503,288; published Jan. 14, 1947.

Brushes, clothes brushes, shoe brushes, etc., Hair. National Silver Company. 428,789; Apr. 1; Serial No. 502,763; published Dec. 31, 1946.

CLASS 31

Cabinets and parts thereof, refrigerated storage. Biddle Purchasing Company. 428,818; Apr. 1.

Coolers and drinking fountains, Water. Sunroc Refrigeration Company. 428,687; Apr. 1; Serial No. 495,158; published Jan. 14, 1947.

Filters, automatic sand filters, non-atomizing wash filters, etc., Automatic vacuum. Filtration Engineers, Incorporated. 428,805; Apr. 1; Serial No. 509,647; published Dec. 31, 1946.

CLASS 34

Liquid heaters. Nemco Electric Co. 428,810; Apr. 1.

CLASS 37

Binding, Tubular plastic. Freundlich-Gomez Machinery Corp. 428,684; Apr. 1; Serial No. 494,669; published Jan. 14, 1947.

Crayons and pencils. Binney & Smith Company. 224,527; renewed Mar. 1, 1947. O. G. Apr. 1.

Crayons and pencils. Binney & Smith Company. 224,555; renewed Mar. 1, 1947. O. G. Apr. 1.

Paper. Copy Papers, Inc. 428,658; Apr. 1; Serial No. 487,888; published Jan. 14, 1947.

Paper and envelopes, Picture writing. M. W. Gandelman. 428,758; Apr. 1; Serial No. 501,571; published Jan. 14, 1947.

Paper and writing tablets, Writing and printing. Southworth Company. 428,787; Apr. 1; Serial No. 502,667; published Jan. 14, 1947.

Paper, sulphite paper, bond paper, etc., Craft. Mid-States Gummed Paper Company. 223,866; renewed Feb. 15, 1947. O. G. Apr. 1.

Sheeting in the nature of cloth and paper, polishing cloths, etc., Unwoven. Avondale Mills. 428,682; Apr. 1; Serial No. 494,480; published Jan. 14, 1947.

CLASS 38

Journals, Regularly appearing trade. Taxi Age Inc. 428,811; Apr. 1.

Magazine. Alaska Magazine Publishing Company. 428,825; Apr. 1.

Magazine, Trade. Atlas Publishing Company. 428,830; Apr. 1.

Magazine, Trade. R. W. Wadman. 428,813; Apr. 1.

Newspaper, Daily, Sunday, and semiweekly. Gazette Publishing Company. 223,118; renewed Jan. 18, 1947. O. G. Apr. 1.

Pictures. M. G. Welborn. 428,827; Apr. 1.

Publication, Monthly. American Veteran. 428,828; Apr. 1.

Publication, Monthly. Cambridge Associates, Inc. 428,814; Apr. 1.

Publication, Periodical. R. M. Fitzgerald. 428,817; Apr. 1.

Publication published in the interests of music. G. Goodwin. 428,821; Apr. 1.

Publications, Periodical. Pacific Northwest Farms Illustrated. 428,824; Apr. 1.

CLASS 39

Boots and shoes made of leather, rubber, canvas, etc. Jordan Marsh Company. 223,734; renewed Feb. 8, 1947. O. G. Apr. 1.

Clothing and clothing for athletic contest, padded and unpadded, Men's and boys' sports. Sport Products Inc. 428,748; Apr. 1; Serial No. 501,416; published Dec. 17, 1946.

Clothing, Men's. J. H. Cohen & Sons, Inc. 428,799; Apr. 1; Serial No. 503,427; published Dec. 10, 1946.

Cravats, Men's. Schoenfeld Bros., Inc. 213,264; renewed May 25, 1946. O. G. Apr. 1.

Gloves, Silk, cotton, or leather. Fownes Brothers & Co. Incorporated. 223,572; renewed Feb. 8, 1947. O. G. Apr. 1.

Playsuits, slack sets, slacks, etc., Women's and misses'. Loomtogs, Inc. 428,729; Apr. 1; Serial No. 500,173; published Dec. 17, 1946.

Scarfs, cravats, and ties. Earl & Wilson. 60,342; re-renewed Feb. 5, 1947. O. G. Apr. 1.

Shirts, Work. H. G. Giles. 223,590; renewed Feb. 8, 1947. O. G. Apr. 1.

Suits, fabric coats, dresses, etc., Girls', misses' and women's. Bond Stores, Incorporated. 428,749; Apr. 1; Serial No. 501,433; published Nov. 5, 1946.

Suits of clothes, overcoats, topcoats, and raincoats, Men's and boys'. Rothschild & Sons, Inc. 224,243; renewed Feb. 22, 1947. O. G. Apr. 1.

Sweaters, mackinaw coats, bath robes, etc. Pendleton Woolen Mills. 224,036; renewed Feb. 15, 1947. O. G. Apr. 1.

Undershirts and woven drawers, Woven. Earl & Wilson. 60,017; re-renewed Jan. 22, 1947. O. G. Apr. 1.

CLASS 40

Buttons of glass. Corning Glass Works. 428,812; Apr. 1.

Hair curling device, Non-electric. M. L. Wormington. 428,694; Apr. 1; Serial No. 496,529; published Jan. 14, 1947.

Pads, Shoulder. Salem Products Corp. 428,647; Apr. 1; Serial No. 483,930; published Jan. 14, 1947.

Shields, Antiseptic dress. Le Sonier, Inc. 428,649; Apr. 1; Serial No. 484,096; published Jan. 14, 1947.

Straps, Leather wrist watch. S. Freedman. 428,829; Apr. 1.

CLASS 42

Cloth, Book binding. Athol Manufacturing Company. 428,667; Apr. 1; Serial No. 490,990; published Jan. 14, 1947.
Cloth, Knitted. Adler Underwear & Hosiery Mfg. Co. 214,002; renewed June 8, 1946. O. G. Apr. 1.
Cloths, hot pot holders, and ironing cloths, Dish. C. R. Davis. 428,757; Apr. 1; Serial No. 501,566; published Jan. 14, 1947.
Cotton goods, cotton warp fabric, cotton and wool, silk goods, etc. Lorraine Manufacturing Company. 218,398; renewed Sept. 28, 1946. O. G. Apr. 1.
Curtains and curtain materials in the piece, Window. House Beautiful Curtains, Inc. 428,675; Apr. 1; Serial No. 493,356; published Jan. 14, 1947.
Curtains, Lace. John Bromley & Sons, Inc. 428,754; Apr. 1; Serial No. 501,495; published Jan. 14, 1947.
Lengths of lining material made of silk or rayon, Cut. Kao Novelty Co. 428,815; Apr. 1.
Piece goods made of wool, worsted, silks, etc. S. Augstein & Co. Inc. 428,760; Apr. 1; Serial No. 501,626; published Jan. 14, 1947.
Sheeting composed of polyvinyl and polyethylene. Stor-Aid, Inc. 428,671; Apr. 1; Serial No. 492,747; published Jan. 14, 1947.
Silk piece goods. Joseph Berlinger Co. 223,681; renewed Feb. 8, 1947. O. G. Apr. 1.
Woolen piece goods. Botany Worsted Mills. 428,677; Apr. 1. Serial No. 493,736; published Jan. 14, 1947.

CLASS 43

Yarns, Hand knitting. Bernhard Ulmann Co. Inc. 428,801; Apr. 1; Serial No. 504,013; published Jan. 21, 1947.

CLASS 46

Candies and bonbons, All kinds of. Runkel Brothers, Incorporated. 59,929; re-renewed Jan. 22, 1947. O. G. Apr. 1.
Canned fish. Franco-Italian Packing Co., Inc. 224,239; renewed Feb. 22, 1947. O. G. Apr. 1.
Fruits and vegetables, Fresh. Charles & Co. 54,933; re-renewed Aug. 7, 1946. O. G. Apr. 1.
Sirup, Cane and maple. Vermont Maple Syrup Co., Inc. of St. Johnsbury. 218,741; renewed Oct. 5, 1946. O. G. Apr. 1.
Spices, mustards, and flavoring extracts. McCormick & Co. 60,560; re-renewed Feb. 12, 1947. O. G. Apr. 1.
Tea, rice, noodles, etc. Mandarin Sauce Co. 223,908; renewed Feb. 15, 1947. O. G. Apr. 1.

CLASS 49

Whisky. Bonnie Bros. 59,463; re-renewed Jan. 8, 1947. O. G. Apr. 1.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 1st DAY OF APRIL, 1947

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Atherton, Archie P., assignor to M. and A. Steinthol, New York, N. Y. Parachute. Re. 22,859; Apr. 1.
Minnesota Mining & Manufacturing Company, assignee: *See*—
  Olson, John M.
Olson, John M., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Liquid wax polish. Re. 22,860; Apr. 1.
Steinthol, Augustus, assignee, et al.: *See*—
  Atherton, Archie P.
Steinthol, Martin, assignee, et al.: *See*—
  Atherton, Archie P.

LIST OF PLANT PATENTEES

Dauernheim, Inc., assignee: *See*—
  Dauernheim, Mel A.
Danernheim, Mel A., assignor to Dauernheim, Inc., Wantagh, N. Y. Azalea plant. 733; Apr. 1.
Dauernheim, Mel A., assignor to Dauernheim, Inc., Wantagh, N. Y. Azalea plant. 734; Apr. 1.

LIST OF DESIGN PATENTEES

American Car and Foundry Company, assignee: *See*—
  Kuhler, Otto.
American Optical Company, assignee: *See*—
  Gagnon, Louis L.
Cadwallader, Robert, Detroit, Mich. Automobile trim bar. 146,534; Apr. 1.
Cadwallader, Robert, Detroit, Mich. Automobile grille bar. 146,535; Apr. 1.
Consolidated Molded Products Corporation, assignee: *See*—
  Jones, William T.
Derham, Philip A., Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Container cap. 146,536; Apr. 1.
De Young, Jack, Grand Haven, Mich., assignor to Zenith Radio Corporation. Radio cabinet. 146,537; Apr. 1.
Duplex Printing Press Company, The, assignee: *See*—
  Steele, George R.
Fritz Gegauf's Sonne Aktiengesellschaft, assignee: *See*—
  Gegauf, Fritz.
Gagnon, Louis L., assignor to American Optical Company, Southbridge, Mass. Spectacle frame or the like. 146,538; Apr. 1.
Gegauf, Fritz, assignor to Fritz Gegauf's Sonne Aktiengesellschaft, Steckborn, Switzerland. Sewing machine. 146,539; Apr. 1.
Gmeindl, Joseph, Milwaukee, Wis. Stein. 146,540; Apr. 1.
Grossman Music Company, assignee: *See*—
  Thompson, Josephus.
Hansen, Alice G., New York, N. Y. Refrigerator. 146,541; Apr. 1.
Hecht, Arno, Babylon, N. Y., assignor to H. A. Sherwood. Vehicle. 146,542; Apr. 1.
Hecht, Arno, Babylon, N. Y., assignor to H. A. Sherwood. Vehicle. 146,543; Apr. 1.
Jones, William T., assignor to Consolidated Molded Products Corporation, Scranton, Pa. Holy water font. 146,544; Apr. 1.
Kuhler, Otto, Blauvelt, assignor to American Car and Foundry Company, New York, N. Y. Rail vehicle. 146,545; Apr. 1.
Leyva, Ernest W.: *See*—
  Valinski, Michael F., and Leyva.
Sherwood, H. A., assignee: *See*—
  Hecht, Arno.
Steele, George R., assignor to The Duplex Printing Press Company, Battle Creek, Mich. Matrix roller. 146,546; Apr. 1.
Thompson, Josephus, Covington, assignor of one-third to Grossman Music Company, Cleveland, Ohio. Musical instrument mouthpiece. 146,547; Apr. 1.
Valinski, Michael F., and E. W. Leyva, San Diego, Calif. Combined radio, clock, and bed lamp. 146,548; Apr. 1.
Victor Metal Products Corporation, assignee: *See*—
  Derham, Philip A.
Walker, Jane, New York, N. Y. Dress. 146,549; Apr. 1.
Zenith Radio Corporation, assignee: *See*—
  De Young, Jack.

LIST OF PATENTEES

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PATENTS WERE ISSUED ON THE 1st DAY OF APRIL, 1947

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

- ACF-Brill Motors Company, assignee: *See*—
  - Flogaus, Howard A., and Vogt.
- Adamson, Paul M., Detroit, Mich. Piston ring. 2,418,243; Apr. 1.
- Addicks, Walter E., Irvington, N. Y., and R. O. Perrine, Wauwatosa, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Machine tool controller. 2,418,149; Apr. 1.
- Adler, Ralph, Port Chester, assignor to Mary Brosnan, Inc., New York, N. Y. Mannikin support. 2,418,216; Apr. 1.
- Adriansen, John R., Cincinnati, Ohio, and R. N. Eck, Whitefish Bay, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Thermal responsive element. 2,418,150; Apr. 1.
- Aetna Ball & Roller Bearing Co., assignee: *See*—
  - Rozner, Joseph J.
- Agriculture, United States of America, as represented by the Secretary of, assignee: *See*—
  - George, Louis W.
- Air Reduction Company, assignee: *See*—
  - Walker, George L.
- American Can Company, assignee: *See*—
  - Jeneson, George R.
  - Socke, John E.
- American Cyanamid Company, assignee: *See*—
  - Bender, Sydney E.
  - Collyer, Robert, and Clow.
  - Scalera, Mario.
  - Weiss, Robert H., and Wintringham.
- American Locomotive Company, assignee: *See*—
  - Gunter, Addison Y., and Farkas.
- American Ore Reduction Corporation, assignee: *See*—
  - Brown, Charles O.
- American Steel Foundries, assignee: *See*—
  - Cottrell, Robert B.
  - Tack, Carl E.
- American Steel and Wire Company of New Jersey, The, assignee: *See*—
  - Peirce, Walter T.
- American Telephone and Telegraph Company, assignee: *See*—
  - Carlson, Eric J.
  - Foley, Daniel E., and Johnson.
  - Hanley, Frank H.
  - Plym, Lester M.
- American Viscose Corporation, assignee: *See*—
  - Koster, Frederick W., and Bruenner.
  - Spalding, John E., and Wicker.
- Ams, Max, Machine Company, The, assignee: *See*—
  - Diesel, Willy.
- Anderson, Catherine, assignee, et al.: *See*—
  - Anderson, Ernest.
- Anderson, Ernest, assignor of one-half to C. Anderson, doing business as Kate Manufacturing Company, Minneapolis, Minn., and one-half to K. E. Luger. Trellis construction. 2,418,151; Apr. 1.
- Andresen, Gilbert J. C., Cuyahoga Falls, Ohio. Automatic limiter system. 2,418,389; Apr. 1.
- Anemostat Corporation of America, assignee: *See*—
  - Kurth, Franz J., and Honerkamp.
- Anstett, Edgar P.: *See*—
  - Hamilton, Thomas W., and Anstett.
- Ashcroft, Donald G.: *See*—
  - Caldwell, Walter A., and Ashcroft.
- Askania Regulator Company, assignee: *See*—
  - Ziebolz, Herbert.
- Atlee, Zed J., Elmhurst, assignor to General Electric X-Ray Corporation, Chicago, Ill. Anode structure. 2,418,390; Apr. 1.
- Austin, Charles D., Norwood, Ohio. Artist's sketching equipment. 2,418,286; Apr. 1.
- Autopoint Company, assignee: *See*—
  - Bauer, Hans A., Deli, and Krajniak.
- Avery, Clarence W., assignor to The Murray Corporation of America, Detroit, Mich. Stove construction. 2,418,152; Apr. 1.
- Ayers, George W., assignor to The Pure Oil Company, Chicago, Ill. Increasing octane number of motor fuel. 2,418,391; Apr. 1.
- Bach, Robert G., Griffithstown, England, and J. R. Paton, Lisvane, Wales. Rotary and vertically movable drum for can sealing machines. 2,418,328; Apr. 1.
- Baird, William McK., Chicago, Ill. Drawer guiding means. 2,418,244; Apr. 1.
- Baker, Richard F.: *See*—
  - Hillier, James, and Baker.
- Ballard, Seaver A.: *See*—
  - Haury, Vernon E., and Ballard.
- Barnett, Louis S., Newark, N. J. Filter press. 2,418,153; Apr. 1.
- Barr & Stroud, Limited, assignee: *See*—
  - French, James W.
- Batchelder, James W., Alstead, N. H., assignor to Jones & Lamson Machine Company, Springfield, Vt. Thread rolling. 2,418,217; Apr. 1.
- Bauer, Hans A., Prairie View, F. C. Deli, and J. T. Krajniak, assignors to Autopoint Company, Chicago, Ill. Clip construction. 2,418,218; Apr. 1.
- Bazley, Carl E., Schenectady, N. Y., assignor to General Electric Company. Switch. 2,418,329; Apr. 1.
- Bedwell, Floyd B.: *See*—
  - Cecil, Lawrence K., Stengl, and Bedwell.
- Bell & Howell Company, The, assignee: *See*—
  - McNabb, Louis A.
- Bell, Joseph D., San Francisco, Calif. Exercising device. 2,418,154; Apr. 1.
- Bell Telephone Laboratories, Incorporated, assignee: *See*—
  - Bollman, John H.
  - Bruce, Edmond.
  - Hale, Douglas A. S., and Ronci.
  - Maxfield, Joseph P.
  - Mitchell, Doren.
  - Munson, Wilden A., and Steinberg.
  - Taylor, Edmund R.
- Bellmann, Bernard R.: *See*—
  - Kimm, Ewald J., and Bellmann.
- Bender, Sydney E., Brooklyn, assignor to American Cyanamid Company, New York, N. Y. Lifesaving dye marker and making same. 2,418,392; Apr. 1.
- Bendix Aviation Corporation, assignee: *See*—
  - Kucher, Andrew A.
  - Peterson, Joel D.
  - Winchel, Henry T., and Wippert.
- Bennett, Garry E., Hawthorne, Nev., and L. M. Bennett, Long Beach, Calif. Checkerboard. 2,418,287; Apr. 1.
- Bennett, Laura M.: *See*—
  - Bennett, Garry E. and L. M.
- Benning, Walter F., Toledo, Ohio, assignor to Mack Manufacturing Corporation, New York, N. Y. Nonlocking brake valve. 2,418,288; Apr. 1.
- Bergel, Franz, N. C. Hindley, A. L. Morrison, and H. Rinderknech, Welwyn Garden City, England, assignors, by mesne assignments, to Hoffmann-LaRoche Inc., Roche Park, Nutley, N. J. Manufacture of cyclic bases derived from arylacetonitrile derivatives. 2,418,289; Apr. 1.
- Black, Benjamin, Bronx, N. Y. Key holder. 2,418,330; Apr. 1.
- Bley, Fred M., Glenview, Ill. Bearing structure. 2,418,219; Apr. 1.
- Blossom Products Corporation, assignee: *See*—
  - Wytovich, Stanley A.
- Bogoslowsky, Boris, Jackson Heights, N. Y. Making plastic articles. 2,418,155; Apr. 1.
- Bollman, John H., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Direction finding system. 2,418,156; Apr. 1.
- Borg-Warner Corporation, assignee: *See*—
  - Voytech, Charles F.
- Bos, Nicolaas K., assignee: *See*—
  - Van Akkeren, Antonius J. J.
- Bourne, Roland B., West Hartford, assignor to The Maxim Silencer Company, Hartford, Conn. Waste heat boiler. 2,418,157; Apr. 1.
- Bridgens, Walter R., Bramhope, Leeds, England. Hydraulic die shaping press having flexible forming pad. 2,418,393; Apr. 1.
- Briskin, Theodore S., and J. Golick, assignors to Revere Camera Company, Chicago, Ill. Magazine holder for motion-picture cameras. 2,418,331; Apr. 1.
- British Celanese Limited, assignee: *See*—
  - Williams, John G.
- Brosnan, Mary, Inc., assignee: *See*—
  - Adler, Ralph.
- Brown, Charles O., Rye, N. Y., assignor to American Ore Reduction Corporation, Dover, Del. Reducing ores. 2,418,394; Apr. 1.
- Bruce, Edmond, Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Gunfire control. 2,418,158; Apr. 1.
- Bruenner, Alexander: *See*—
  - Koster, Frederick W., and Bruenner.
- Bruson, Herman A., and W. D. Niederhauser, assignors to The Resinous Products & Chemical Company, Philadelphia, Pa. Unsaturated 1,3-glycols. 2,418,290; Apr. 1.

- Buckwalter, Tracy [illegible]., Massillon, assignor to The Timken Roller Bearing Company, Canton, Ohio. Crank pin bearing. 2,418,245; Apr. 1.
- Burkhardt, Otto M., Cleveland, Ohio. Clearance regulator. 2,418,110; Apr. 1.
- Burleigh, Arthur C., Wellesley, Mass. Sanding or rubbing machine. 2,418,246; Apr. 1.
- Burrows, Allen, Providence, R. I. Generator testing stand. 2,418,332; Apr. 1.
- Byrkit, Gordon D.: *See*—
  - Lincoln, Bert H., and Byrkit.
- Caldwell, Walter A., West Kilbride, and D. G. Ashcroft, Saltcoats, Scotland, assignors to Imperial Chemical Industries Limited. Manufacture of heating cartridges. 2,418,333; Apr. 1.
- Calhoun, William N., assignee: *See*—
  - Fletcher, Lawrence D.
- Campbell, John H., Schenectady, N. Y., assignor to General Electric Company. Starting and controlling apparatus for electric discharge lamps. 2,418,159; Apr. 1.
- Campbell, John H., Schenectady, N. Y., assignor to General Electric Company. Starting and controlling apparatus for electric discharge lamps. 2,418,160; Apr. 1.
- Campbell, John H., Schenectady, N. Y., assignor to General Electric Company. Starting and controlling apparatus for electric discharge lamps. 2,418,161; Apr. 1.
- Carborundum Company, The, assignee: *See*—
  - Williamson, John A.
- Carlson, Eric G., Philadelphia, Pa., assignor to American Telephone and Telegraph Company. Control apparatus for forced drainage. 2,418,395; Apr. 1.
- Carnegie-Illinois Steel Corporation, assignee: *See*—
  - Chase, Sherman.
  - Deitrich, Epily C.
  - Winterkamp, Frederick.
- Carr, Edward W., and R. H. Peterson, assignors to Crane Co., Chicago, Ill. Wheel locking means. 2,418,396; Apr. 1.
- Cecil, Lawrence K., R. J. Stengl, and F. B. Bedwell, assignors to Ozark Chemical Company, Tulsa, Okla. Apparatus and method for producing inert gas. 2,418,162; Apr. 1.
- Chase, Sherman, Evergreen Park, Ill., assignor to Carnegie-Illinois Steel Corporation. Combustion control. 2,418,163; Apr. 1.
- Cherry-Burrell Corporation, assignee: *See*—
  - Dalzell, Charles B.
- Churchill, Ivan F., Fayetteville, N. Y. Control mechanism for drilling machines. 2,418,220; Apr. 1.
- Clow, Allan B.: *See*—
  - Collyer, Robert, and Clow.
- Coccellato, John, San Francisco, Calif. Protective mask. 2,418,334; Apr. 1.
- Colbert, William H., Brackenridge, Pa., and W. L. Morgan, Columbus, assignors, by mesne assignments, to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Rearview mirror. 2,418,335; Apr. 1.
- Collyer, Robert, Chatham, and A. B. Clow, Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Life jacket dye marker. 2,418,397; Apr. 1.
- Color Research Corporation, assignee: *See*—
  - Grimson, Samuel B.
- Commercial Solvents Corporation, assignee: *See*—
  - Senkus, Murray.
  - Stengel, Leonard A., and Egly.
- Container Corporation of America, assignee: *See*—
  - Holy, Mitchel E.
- Continental Oil Company, assignee: *See*—
  - Lincoln, Bert H., and Byrkit.
- Corley, Harry H., Humboldt, Ariz. Coupling for electric wires. 2,418,164; Apr. 1.
- Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Journal arrangement. 2,418,398; Apr. 1.
- Crane Co., assignee: *See*—
  - Carr, Edward W., and Peterson.
- Crisler, Homer D., Greensboro, N. C. Sounding mechanism for toy guns and the like. 2,418,399; Apr. 1.
- Crowley, Henry L., & Company, Inc., assignee: *See*—
  - Williams, Clyde E., and Henderson.
- Curtis Pump Company, assignee: *See*—
  - Curtis, Russell R.
  - Kimm, Ewald J., and Bellmann.
- Curtis, Russell R., assignor to Curtis Pump Company, Dayton, Ohio. Liquid and vapor separating pump. 2,418,221; Apr. 1.
- Cutler-Hammer, Inc., assignee: *See*—
  - Addicks, Walter E., and Perrine.
  - Adriansen, John R., and Eck.
- Dacey, Michael J., Sault Ste. Marie, Ontario, Canada. Protector for garbage cans and the like. 2,418,291; Apr. 1.
- Dahlander, Noel L., New Milford, Pa., assignor of one-half to R. J. Earl, Deerfield Beach, Fla. Pivotally mounted safety hook. 2,418,111; Apr. 1.
- D'Alelio, Gaetano F., and J. W. Underwood, Pittsfield, Mass., assignors to General Electric Company. Triazine derivatives. 2,418,336; Apr. 1.
- Dalzell, Charles B., Little Falls, N. Y., assignor to Cherry-Burrell Corporation, Chicago, Ill. Tubular detachable filter. 2,418,247; Apr. 1.
- Davis, Arthur A., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Belt lifter. 2,418,337; Apr. 1.
- Deitrich, Epily C., Brentwood, Pa., assignor to Carnegie-Illinois Steel Corporation. Automatic stamping hammer. 2,418,165; Apr. 1.
- Deli, Frank C.: *See*—
  - Bauer, Hans A., Deli, and Krajniak.
- Denton, Harvey R., Oakland, assignor to Moist-R-Proof Container Co., San Francisco, Calif. Molded fibrous pulp container having closure securing means. 2,418,248; Apr. 1.
- De Rosa, Louis A., Staten Island, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Synchronizing system. 2,418,112; Apr. 1.
- De Vry Corporation, assignee: *See*—
  - Schramka, Bernard.
- Diezel, Willy, Fairfield, assignor to The Max Ams Machine Company, Bridgeport, Conn. Can cover lining machine. 2,418,400; Apr. 1.
- Dinmore, Harry C., Jr., Lowell, and R. K. Fraser, assignors to Tyer Rubber Company, Andover, Mass. Apparatus and process for the heat-treating of collapsible hollow articles of rubber and the like. 2,418,166; Apr. 1.
- Dow Chemical Company, The, assignee: *See*—
  - Heath, Sheldon B., and Kuehl.
- Drake, Charles E., Bloomfield, N. J., assignor to United States Rubber Company, New York, N. Y. Abrasive articles. 2,418,249; Apr. 1.
- Drake, Charles E., Bloomfield, N. J., assignor to United States Rubber Company, New York, N. Y. Abrasive articles. 2,418,250; Apr. 1.
- Dri-Steam Products, Inc., assignee: *See*—
  - Wegmann, Adolph J.
- Drott, Edward A., Milwaukee, Wis. Loader. 2,418,251; Apr. 1.
- Du Bois, Horace A., assignor to Paper Patents Company, Neenah, Wis. Recovery of SO_2 from digester blowoff gases. 2,418,167; Apr. 1.
- Du Pont, E. I., de Nemours & Company, assignee: *See*—
  - Locke, Roy C.
  - Richards, Lawrence M.
  - Whitman, Gerald M.
- Dworkowski, John, Elizabeth, and J. E. Quigley, Fanwood, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for treating tools. 2,418,338; Apr. 1.
- Earl, Robert J., assignee: *See*—
  - Dahlander, Noel L.
- Eck, Robert N.: *See*—
  - Adriansen, John R., and Eck.
- Egly, Richard S.: *See*—
  - Stengel, Leonard A., and Egly.
- Ehrgott, Karl, Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Gas purifier and sterilizer. 2,418,339; Apr. 1.
- Eisele, Otto J., New York, N. Y. Mechanical clutch. 2,418,292; Apr. 1.
- Electrolux Corporation, assignee: *See*—
  - Lofgren, Gustaf E.
- Engle, Ralph L., Oden, Mich. Automatic boat bailer. 2,418,252; Apr. 1.
- Eskin, Samuel G., Los Angeles, Calif., and C. K. Strobel, Pittsburgh, assignors to Robertshaw Thermostat Company, Youngwood, Pa. Automatic temperature regulating apparatus. 2,418,340; Apr. 1.
- Euclid Electric & Mfg. Co., The, assignee: *See*—
  - Spaller, Elmer T.
- Ewing, Robert, Dallas, Tex. Dome mounting for butane tanks. 2,418,253; Apr. 1.
- Färber, Eduard, New Haven, Conn., assignor to Polyxor Chemical Co., Inc. Processing thermoplastic resins from cellulose and rosin acids. 2,418,293; Apr. 1.
- Farkas, George B.: *See*—
  - Gunter, Addison Y., and Farkas.
- Farnsworth Television and Radio Corporation, assignee: *See*—
  - Larson, Christian C.
- Fay, Gordon C.: *See*—
  - Miller, Fred M., Shape, McClelland, and Fay.
- Federal Telephone and Radio Corporation, assignee: *See*—
  - De Rosa, Louis A.
  - Frankel, Sidney.
  - Grieg, Donald D.
  - Hoffman, Ross B.
  - Kandoian, Armig G.
  - Labin, Emile.
  - Labin, Emile, and Ostlund.
  - Preisman, Albert.
  - Salazar, Alfred M.
- Fetter, Norman C., Freeport, Ill., assignor, by mesne assignments, to First Industrial Corporation, Wilmington, Del. Overtravel switch actuator. 2,418,222; Apr. 1.
- First Industrial Corporation, assignee: *See*—
  - Fetter, Norman C.
- Flanders, Ralph E., assignor to Jones & Lamson Machine Company, Springfield, Vt. Work supporting and moving mechanism. 2,418,223; Apr. 1.
- Fleharty, Russell R., Muskegon Heights, Mich. Testing device. 2,418,254; Apr. 1.

Fletcher, Lawrence D., assignor of one-half to W. N. Calhoun, Lansing, Mich. Ice cream dispensing cabinet. 2,418,113; Apr. 1.
Flogaus, Howard A., Wallingford, and L. E. Vogt, Lansdowne, Pa., assignors to ACF-Brill Motors Company, New York, N. Y. Duct for directing cooling air to a motor vehicle engine. 2,418,294; Apr. 1.
Florman, Irving, New York, N. Y. Cigarette lighter or the like. 2,418,295; Apr. 1.
Foley, Daniel E., Evanston, and W. D. Johnson, Chicago, Ill., assignors to American Telephone and Telegraph Company. Testing system for non-typing selectors. 2,418,401; Apr. 1.
Ford, Frank R., Sparkbrook, Birmingham, England. Duplicating machine. 2,418,341; Apr. 1.
Fossa, Joseph, Salem, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Making shoes and laced uppers employed therein. 2,418,168; Apr. 1.
Fox, Leroy J.: *See—*
  Sax, Herman, and Fox.
Frankel, Sidney, Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Rectifier filter system. 2,418,114; Apr. 1.
Fraser, Roland K.: *See—*
  Dinmore, Harry C., Jr., and Fraser.
Fredericksen, James P., Braintree, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Method and machine for sewing cement bonded seams. 2,418,169; Apr. 1.
Frederickson, Sarah S., Oklahoma City, Okla. Medicated cigarette. 2,418,296; Apr. 1.
Freedman, Hyman, New York, N. Y. Footwear. 2,418,342; Apr. 1.
French, Frederic A., and L. N. Whitehill, Berkeley, Calif. Substituted dioxanes. 2,418,297; Apr. 1.
French, James W., assignor to Barr & Stroud, Limited, Glasgow, Scotland. Telescopic optical observation instrument. 2,418,298; Apr. 1.
Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Catalytic dehydrogenation of hydrocarbons. 2,418,255; Apr. 1.
Friedheim, Ernst A. H., New York, N. Y. Organometallic compounds containing 1,3,5-triazine rings. 2,418,115; Apr. 1.
Friend, Robert E., Chenequa, assignor to Nordberg Manufacturing Co., Milwaukee, Wis. Ship's telegraph. 2,418,170; Apr. 1.
Fuller Company, assignee: *See—*
  Hornbrook, Philip R.
Garol, John E., Los Angeles, Calif., assignor to The Texas Company, New York, N. Y. Graveling of wells. 2,418,343; Apr. 1.
Gellman Manufacturing Company, assignee: *See—*
  Petskeyes, Charles H.
General Aniline & Film Corporation, assignee: *See—*
  Haff, Richard M.
  Jacobson, Carl H.
General Electric Company, assignee: *See—*
  Bazley, Carl E.
  Campbell, John H.
  D'Alelio, Gaetano F., and Underwood.
  Isaac, Elmer B., and Rippel.
  Kern, Edward A., and Miller.
  Minneci, Salvatore.
  Moe, Robert E.
  Powers, James H.
  Stanworth, John E.
General Electric X-Ray Corporation, assignee: *See—*
  Atlee, Zed J.
General Motors Corporation, assignee: *See—*
  Jackson, George W.
  Menzies, William E.
  Rundquist, Henning W.
  Spicacci, Attilio R.
General Refractories Company, assignee: *See—*
  Miller, Fred M., Shape, McClelland, and Fay.
Georges, Louis W., New Orleans, La., assignor to The United States of America, as represented by Claude R. Wickard, Secretary of Agriculture, and his successors in office. Cellulose acetate plasticized with an aryl morpholidophosphate. 2,418,224; Apr. 1.
Gildersleeve, Elaine: *See—*
  Jay, Osa E., and Gildersleeve.
Godfrey, Grant D., Beatrice, Nebr. Ladder. 2,418,256; Apr. 1.
Goldberg, Abraham A., Norfolk, Va. Toothbrush. 2,418,344; Apr. 1.
Golick, Joseph: *See—*
  Briskin, Theodore S., and Golick.
Goodman Manufacturing Company, assignee: *See—*
  Wood, Frank J.
Goodrich, B. F., Company, The, assignee: *See—*
  Heston, Eugene E.
  Hunter, Willson H.
  Taylor, Myron L.
Gorin, Everett, Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Manufacture of oxygen. 2,418,402; Apr. 1.
Gorsuch, Howard F., Mansfield, Ohio. Power shovel. 2,418,299; Apr. 1.
Grabske, John P., Cudahy, Wis. Detachable loader unit for trucks and tractors. 2,418,403; Apr. 1.
Grant, Charles H., assignee, et al.: *See—*
  Lawler, Frank P.
Graybill, Howard W., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,418,171; Apr. 1.
Grayson, John H., assignor, by mesne assignments, to Lowell and Grayson Manufacturing Company, Monrovia, Calif. Inserted tooth milling cutter. 2,418,257; Apr. 1.
Greenfield, Theodore: *See—*
  Moore, Samuel A., and Greenfield.
Greenlee, Joseph R., Santa Fe Springs, Calif., assignor to Shaffer Tool Works. Kelly cock. 2,418,404; Apr. 1.
Grieg, Donald D., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Multiplex synchronizing system. 2,418,116; Apr. 1.
Griffith, Henry E., Hartford, Conn., assignor to Monsanto Chemical Company, St. Louis, Mo. Container. 2,418,172; Apr. 1.
Grimson, Samuel B., assignor to Color Research Corporation, New York, N. Y. Photography in additive color by the controlled utilization of chromatic aberrations in lenses. 2,418,345; Apr. 1.
Gross, Alex: *See—*
  Gross, Joseph and A.
Gross, Joseph and A., Brooklyn, N. Y. Device for illuminating and exhibiting transperencies. 2,418,225; Apr. 1.
Gruenke, Gilbert F., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Preparation of metallic halide-hydrocarbon complex catalyst. 2,418,346; Apr. 1.
Gunter, Addison Y., Larchmont, and G. B. Farkas, Jackson Heights, assignors to American Locomotive Company, New York, N. Y. Heat exchanger. 2,418,405; Apr. 1.
Haag, Oscar, Kusnacht, Switzerland. Producing gatherings. 2,418,347; Apr. 1.
Haff, Richard M., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Registering frame and negative carrier for enlarging. 2,418,226; Apr. 1.
Hagstrom, Jerome E., assignor to C. E. Hovey, Kansas City, Mo., as trustee. Constant level tank for vending machines. 2,418,300; Apr. 1.
Hait, Howard, Philadelphia, Pa. Cup container, dispenser-disposer. 2,418,227; Apr. 1.
Hale, Douglas A. S., Ramsey, N. J., and V. L. Ronci, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 2,418,117; Apr. 1.
Hamilton, Thomas W., and E. P. Anstett, assignors to Spotnails, Inc., Chicago, Ill. Nail driving machine. 2,418,118; Apr. 1.
Hanley, Frank H., Butler, N. J., assignor to American Telephone and Telegraph Company. Selective signaling system. 2,418,406; Apr. 1.
Hansen, William W., Garden City, N. Y., assignor to Sperry Gyroscope Company, Inc. Secret communication. 2,418,119; Apr. 1.
Harlamoff, Anatol J., South Gate, Calif., assignor to A. O. Smith Corporation, Milwaukee, Wis. Centrifugal pump. 2,418,258; Apr. 1.
Harmanson, Roxie G., New Orleans, La. Hospital bed construction. 2,418,259; Apr. 1.
Haury, Vernon E., El Cerrito, and S. A. Ballard, Oakland, assignors to Shell Development Company, San Francisco, Calif. Production of diketones. 2,418,173; Apr. 1.
Hays, Russell R., Lawrence, Kans. Control means for helicopters. 2,418,407; Apr. 1.
Heal, Lionel C., Reading, England, assignor to Miles Aircraft Limited. Aircraft supporting surface. 2,418,301; Apr. 1.
Hearing Aid Battery Corp., assignee: *See—*
  Wiencke, Herman W.
Heath, Sheldon B., and C. A. Kuehl, assignors to The Dow Chemical Company, Midland, Mich. Making fused salt mixtures. 2,418,408; Apr. 1.
Henderson, Ashland S.: *See—*
  Williams, Clyde E., and Henderson.
Hermann, Martin, Lakewood, Ohio. Dispensing valve for squeeze tube containers. 2,418,348; Apr. 1.
Heston, Eugene E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Protective covering for preventing accumulation of ice on airfoils. 2,418,174; Apr. 1.
Higginbotham, Beverly M., Kenmore, N. Y., assignor to The Linde Air Products Company. Ignition catalyst treatment and apparatus. 2,418,175; Apr. 1.
Hillier, James, Cranbury, N. J., assignor to Radio Corporation of America. Electronic microanalyzer. 2,418,228; Apr. 1.
Hillier, James, Cranbury, and R. F. Baker, Princeton, N. J., assignors to Radio Corporation of America. Correcting for distortion in electron lens systems. 2,418,349; Apr. 1.
Hillman, Ethel H., South Pasadena, Calif. Wearing apparel. 2,418,176; Apr. 1.
Hindley, Nathan C.: *See—*
  Bergel, Franz, Hindley, Morrison, and Rinderknecht.
Hoffman, Ross B., East Orange, assignor to Federal Telephone and Radio Corporation, Newark, N. J. Impulse producing oscillator. 2,418,121; Apr. 1.
Hoffmann-La Roche, Inc., assignee: *See—*
  Bergel, Franz, Hindley, Morrison, and Rinderknecht.
Holder, Edward P., Montclair, N. J., assignor to Wickwire Spencer Steel Company, New York, N. Y. Barrel hoop. 2,418,260; Apr. 1.

Holmgren, Eric A., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Making prewelt shoes. 2,418,177; Apr. 1.
Holophane Company, Inc., assignee: *See—*
  Rolph, Thomas W.
Holy, Mitchel E., Philadelphia, Pa., assignor to Container Corporation of America, Chicago, Ill. Carrier for bottles and the like. 2,418,350; Apr. 1.
Honerkamp, Friedrich: *See—*
  Kurth, Franz J., and Honerkamp.
Hooker Electrochemical Company, assignee: *See—*
  Sconce, James S.
Hoover Company, The, assignee: *See—*
  Smellie, Donald G.
Hornbrook, Philip R., Allentown, assignor to Fuller Company, Catasauqua, Pa. Conveying apparatus. 2,418,302; Apr. 1.
Hornickel, Herman C., Fair Haven, N. J. Face harness for microphones. 2,418,120; Apr. 1.
Hovey, C. Earl, assignee, trustee: *See—*
  Hagstrom, Jerome E.
Howard, Willis G., Indianapolis, Ind. Egg treating machine. 2,418,409; Apr. 1.
Huebshman, Paul J., Dearborn, assignor to Whitehead & Kales Company, River Rouge, Mich. Spare tire carrier skid assembly. 2,418,178; Apr. 1.
Hull, Denison B., Winnetka, Ill. Fastening device. 2,418,410; Apr. 1.
Hungerbühler, August, Zug, and W. Labhardt, Zurich, assignors to Landis & Gyr, A. G., Zug, Switzerland. Permanent brake magnet for electricity meters. 2,418,261; Apr. 1.
Hunter, Willson H., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Inflatable shoe for aircraft. 2,418,262; Apr. 1.
Hurst, George L., San Francisco, Calif. Valve controlled rotary hopper bag filling machine and method. 2,418,263; Apr. 1.
Hutchinson, George D.: *See—*
  Matlack, Thomas M., and Hutchinson.
Hutchison, Miller R., New York, N. Y., assignor, by mesne assignments, to R. G. Luff, Philadelphia, Pa. Laminated photographic material and process for producing the same. 2,418,303; Apr. 1.
Hutchison, Miller R., New York, N. Y., assignor, by mesne assignments, to R. G. Luff, Philadelphia, Pa. Adhesive photosensitive material. 2,418,304; Apr. 1.
Hydraulic Brake Company, assignee: *See—*
  Miller, Raymond J.
Imhof, Herman A.: *See—*
  Robinson, Charles A., and Imhof.
Imperial Chemical Industries, Limited, assignee: *See—*
  Caldwell, Walter A., and Ashcroft.
Infilco Incorporated, assignee: *See—*
  Nordell, Carl H.
Ingersoll-Rand Company, assignee: *See—*
  McConaghy, James W.
Interchemical Corporation, assignee: *See—*
  Moore, Samuel A., and Greenfield.
Isaac, Elmer B., Cleveland Heights, and F. J. Rippel, Cleveland, Ohio, assignors to General Electric Company. Base for electric lamps and similar devices. 2,418,179; Apr. 1.
Ittner, Charles K., Troutdale, Oreg. Mercury arc rectifier. 2,418,305; Apr. 1.
Jackson, George W., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Actuator control. 2,418,351; Apr. 1.
Jackson, James O., Crafton, assignor to Pittsburgh-Des Moines Company, Pittsburgh, Pa. Vapor conserving tank. 2,418,229; Apr. 1.
Jacobson, Carl H., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Automatically focussed projection printer. 2,418,230; Apr. 1.
James, Joseph R., and R. Keyzer-André, assignors of one-third to J. E. Norman, Miami, Fla. Driftmeter. 2,418,264; Apr. 1.
Jay, Osa E., and E. Gildersleeve, Washington, D. C. Removable garment pad. 2,418,411; Apr. 1.
Jeneson, George R., Cincinnati, Ohio, assignor to American Can Company, New York, N. Y. Press for making metal handles and links. 2,418,122; Apr. 1.
Johnson, Herbert R.: *See—*
  White, Martin H., and Johnson.
Johnson, Walter D.: *See—*
  Foley, Daniel E., and Johnson.
Jones & Lamson Machine Company, assignee: *See—*
  Batchelder, James W.
  Flanders, Ralph E.
Joy, Joseph F., Claremont, N. H. Hydraulic wheel motor for vehicles. 2,418,123; Apr. 1.
Joy Manufacturing Company, assignee: *See—*
  Simmons, Leon E.
Kandoian, Armig G., New York, N. Y., assignor to Federal Telephone and Radio Corporation. Directive antenna array. 2,418,124; Apr. 1.
Kate Manufacturing, assignee, et al.: *See—*
  Anderson, Ernest.
Kaydon Engineering Corporation, The, assignee: *See—*
  Pellerano, Silvio.
Kearns, Charles M., Beavertown, Pa. Adjustable wheeled cultivator. 2,418,352; Apr. 1.
Keith-Peabody, Inc., assignee: *See—*
  Keith, William J.
Keith, William J., assignor to Keith-Peabody, Inc., Brookline, Mass. Making closure caps. 2,418,353; Apr. 1.
Kendrick, Albert S., Wolverhampton, England, assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Locking mechanism. 2,418,180; Apr. 1.
Kern, Edward A., and H. F. Miller, Pittsfield, Mass., assignors to General Electric Company. Dielectric sheet material. 2,418,354; Apr. 1.
Keyzer-André, René: *See—*
  James, Joseph R., and Keyzer-André.
Kimm, Ewald J., and B. R. Bellmann, assignors to Curtis Pump Company, Dayton, Ohio. Booster pump and tank assembly. 2,418,231; Apr. 1.
Kirsch, William A., Jersey City, N. J., and J. H. Sulzer, assignors to Western Electric Company, Incorporated, New York, N. Y. Orienting apparatus for articles having rounded surfaces. 2,418,355; Apr. 1.
Kittle, Russell L.: *See—*
  McCombie, Horace R., and Kittle.
Kleber, Jackson O., Long Island City, N. Y. Safety control device for electrically operated machines. 2,418,356; Apr. 1.
Klein, Nicholas: *See—*
  Whyte, Daniel D., and Klein.
Knittel, Emil E., Malverne, N. Y. Rotary card filing device. 2,418,357; Apr. 1.
Korpiun, Joachim, Birkenwerder, near Berlin, Germany, assignor to Sherka Chemical Co., Inc., Bloomfield, N. J. Providing aluminum and aluminum alloys with metal coatings. 2,418,265; Apr. 1.
Koster, Frederick W., and A. Bruenner, Meadville, Pa., assignors to American Viscose Corporation, Wilmington, Del. Method and apparatus for producing crimped staple fibers. 2,418,125; Apr. 1.
Krajniak, Joseph T.: *See—*
  Bauer, Hans A., Deli, and Krajniak.
Kucher, Andrew A., Grosse Points Farms, assignor to Bendix Aviation Corporation, Detroit, Mich. Pump and distributor mechanism. 2,418,412; Apr. 1.
Kuehl, Carl A.: *See—*
  Heath, Sheldon A., and Kuehl.
Kurth, Franz J., and F. Honerkamp, assignors to Anemostat Corporation of America, New York, N. Y. Air mixing and diffusing outlet having a concentric open ended tube for mixing room air with the incoming ventilating air stream. 2,418,266; Apr. 1.
Labhardt, Woldemar: *See—*
  Hungerbühler, August, and Labhardt.
Labin, Emile, New York, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Filter system. 2,418,127; Apr. 1.
Labin, Emile, New York, N. Y., and E. M. Ostlund, Montclair, assignors to Federal Telephone and Radio Corporation, Newark, N. J. Impulse generator. 2,418,128; Apr. 1.
Lambert, Ernest E., Springfield, Mass., assignor to Patchogue-Plymouth Mills Corporation, New York, N. Y. Woven fibre rug. 2,418,215; Apr. 1.
Lampton, Glen T.: *See—*
  Martin, Erle, Lampton, and Vincent.
Lance, Ben W., Geneva, Ill. Micrometer lap and guide. 2,418,413; Apr. 1.
Landis & Gyr, A. G., assignee: *See—*
  Hungerbühler, August, and Labhardt.
Larson, Arthur G., Forest Hills, assignor to The Westinghouse Ari Brake Company, Wilmerding, Pa. Follow-up pressure fluid servomotor. 2,418,129; Apr. 1.
Larson, Christian C., Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation. Television color mixing system. 2,418,414; Apr. 1.
Lawler, Frank P., Chicago, Ill., assignor of one-third to C. H. Grant, San Francisco, Calif., one-third to F. P. Lawler, Chicago, Ill., and one-third to P. J. Tyler, Oroville, Calif., jointly. Hoist. 2,418,267; Apr. 1.
Lawson, Dennis I., assignor to Pye Limited, Cambridge, England. Pulse modulation signalling system. 2,418,268; Apr. 1.
Leser, Wayne, South Ozone Park, N. Y. Welder's mask. 2,418,415; Apr. 1.
Lesnick, Robert N., Camden, and L. E. Matson, Jr., Collingswood, N. J., assignors to Radio Corporation of America. Differential servo system. 2,418,306; Apr. 1.
Lewis, William T., assignor to Whitman Publishing Company, Racine, Wis. Toy helicopter. 2,418,269; Apr. 1.
Libbey-Owens-Ford Glass Company, assignee: *See—*
  Colbert, William H., and Morgan.
Lily of France Corset Company, Inc., assignee: *See—*
  Williams, Marguerite R.
Linakis, Spiro, assignee, et al.: *See—*
  O'Toole, Richard F., and Parlini.
Lincoln, Bert H., and G. D. Byrkit, assignors to Continental Oil Company, Ponca City, Okla. Lubricating oil. 2,418,358; Apr. 1.
Linde Air Products Company, The, assignee: *See—*
  Higginbotham, Beverly M.
  Smith, George H.
Line Material Company, assignee: *See—*
  Link, Edwin A.

Link, Edwin A., assignor to Line Material Company, South Milwaukee, Wis. Switch construction. 2,418,359; Apr. 1.

Linsley, Charles A., St. Petersburg, Fla. Collapsible bed. 2,418,307; Apr. 1.

Locke, Roy C., Salem, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of azo lakes. 2,418,416; Apr. 1.

Lockheed Aircraft Corporation, assignee: *See—*
Wassall, John B., and Wallace.

Lofgren, Gustaf E., Riverside, Conn., assignor to Electrolux Corporation, New York, N. Y. Vacuum cleaner. 2,418,130; Apr. 1.

Lowell and Grayson Manufacturing Company, assignee: *See—*
Grayson, John H.

Luck, David G. C., Merchantville, N. J., assignor to Radio Corporation of America. Radio direction finder. 2,418,308; Apr. 1.

Luff, Ralph G., assignee: *See—*
Hutchison, Miller R.

Luger, Kenneth E., assignee, et al.: *See—*
Anderson, Ernest.

Mack Manufacturing Corporation, assignee: *See—*
Benning, Walter F.

Maillet, Jeannette V., Brownville Junction, assignor of one-half to P. J. Maillet, Brownville, Maine. Mending hook for stockings. 2,418,417; Apr. 1.

Maillet, Philip J., assignee: *See—*
Maillet, Jeannette V.

Margolis, Louis, Washington, D. C. Lighting fixture. 2,418,131; Apr. 1.

Marisic, Milton M., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Preparing an inorganic oxide gel. 2,418,232; Apr. 1.

Marker, Russell E., Mexico City, Mexico, assignor to Parke, Davis & Company, Detroit, Mich. Steroidal hormone intermediates. 2,418,181; Apr. 1.

Martin, Erle, and G. T. Lampton, West Hartford, Conn., and E. E. Vincent, Springfield, Mass., assignors to United Aircraft Corporation, Hartford, Conn. Aluminum propeller blade with steel shank. 2,418,418; Apr. 1.

Matlack, Thomas M., and G. D. Hutchinson, Jamesburg, N. J. Dishwasher. 2,418,360; Apr. 1.

Matson, Leslie E., Jr.: *See—*
Lesnick, Robert N., and Matson.

Matuszak, Maryan P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Preparation of catalysts comprising supported chromium oxide. 2,418,270; Apr. 1.

Matuszak, Maryan P., Bartlesville, Okla., and G. H. Morey, Terre Haute, Ind., assignors to Phillips Petroleum Company. Chromium oxide catalyst and its preparation. 2,418,309; Apr. 1.

Mavity, Julian M., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Metal halide catalysis of hydrocarbons. 2,418,419; Apr. 1.

Maxfield, Joseph P., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electromechanical signal translating device. 2,418,132; Apr. 1.

Maxim Silencer Company, The, assignee: *See—*
Bourne, Roland B.

Maytag Company, The, assignee: *See—*
Smith, Thomas R.

McClary, Harold W., assignor to Washington Veneer Company, Olympia, Wash. Production of plywood products. 2,418,233; Apr. 1.

McClelland, William H.: *See—*
Miller, Fred M., Shape, McClelland, and Fay.

McCollum, Henry J. D., deceased; T. McCollum, executrix, assignor to Stewart-Warner Corporation, Chicago, Ill. Air heater having air temperature responsive ignition control. 2,418,182; Apr. 1.

McCollum, Thelma, executrix: *See—*
McCollum, Henry J. D.

McCombie, Horace R., Torrance, and R. L. Kittle, Long Beach, assignors to Shell Development Company, San Francisco, Calif. Prevention of emulsions during extraction of olefins with metal salt solutions. 2,418,183; Apr. 1.

McConaghy, James W., Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y. Pumping mechanism. 2,418,184; Apr. 1.

McConaghy, James W., Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y. Sealing device. 2,418,185; Apr. 1.

McCoy, Selwyn O.: *See—*
Yeager, Henry M., and McCoy.

McCullough, Frank, Detroit, Mich. Drill jig. 2,418,234; Apr. 1.

McDade, Ralph M., Mebane, N. C. Precooling milking container. 2,418,310; Apr. 1.

McFarlane, William D., Ste. Anne de Bellevue, and N. Nikolaiczuk, Macdonald College, assignors to The Ogilvie Flour Mills Co. Limited, Montreal, Quebec, Canada. Treating chick-hatchery waste to recover protein-fat concentrates. 2,418,311; Apr. 1.

McNabb, Louis A., Glenview, assignor to The Bell & Howell Company, Chicago, Ill. Motion picture machine. 2,418,361; Apr. 1.

Mehn, Carl L. and M. M., Gridley, Ill. Brake operating means for tractors. 2,418,186; Apr. 1.

Mehn, Margaret M.: *See—*
Mehn, Carl L. and M. M.

Meincke, Henry H., Howey-in-the-Hills, Fla. Fertilizer distributor. 2,418,271; Apr. 1.

Menzies, William E., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Electric motor control. 2,418,235; Apr. 1.

Michelman, Nathan, Brooklyn, N. Y. Making tapered tubes. 2,418,312; Apr. 1.

Miles Aircraft Limited, assignee: *See—*
Heel, Lionel C.

Miller, Fred M., Bala-Cynwyd, A. C. Shape, Upper Darby, W. H. McClelland, Wynnewood, and G. C. Fay, Beechwood Park, assignors to General Refractories Company, Philadelphia, Pa. Automatic multiple stoker control. 2,418,272; Apr. 1.

Miller, Harry F.: *See—*
Kern, Edward A., and Miller.

Miller, Merton R., Evanston, and A. N. Ogden, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Cathode-ray apparatus and controlling the ray. 2,418,133; Apr. 1.

Miller, Raymond J., assignor to Hydraulic Brake Company, Detroit, Mich. Fluid torque converter. 2,418,362; Apr. 1.

Milsteel Products Co., assignee: *See—*
Witzel, Ernst.

Minneci, Salvatore, Pittsfield, Mass., assignor to General Electric Company. Electric switch. 2,418,363; Apr. 1.

Mitchell, Doren, Bound Brook, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Synchronizing system. 2,418,134; Apr. 1.

Moberly, Lawrence E., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Impregnating carbon brushes. 2,418,420; Apr. 1.

Modern Devices, Inc., assignee: *See—*
Sax, Herman, and Fox.

Moe, Robert E., Bridgeport, Conn., assignor to General Electric Company. Locating equipment. 2,418,364; Apr. 1.

Moist-R-Proof Container Co., assignee: *See—*
Denton, Harvey R.

Molins, Desmond W., and F. F. Ruau, Deptford, London, S. E. 8, assignors to Molins Machine Company, Limited, Deptford, London, England. Collecting mechanism for rod shaped articles. 2,418,365; Apr. 1.

Molins Machine Company, Limited, assignee: *See—*
Molins, Desmond W., and Ruau.

Monsanto Chemical Company, assignee: *See—*
Griffith, Henry E.

Moore Fabric Company, assignee: *See—*
Moore, John V.

Moore, John V., assignor to Moore Fabric Company, Pawtucket, R. I. Elastic tape. 2,418,187; Apr. 1.

Moore, Samuel A., Mariemont, and T. Greenfield, Cincinnati, Ohio, assignors to Interchemical Corporation, New York, N. Y. Bituminous adhesive. 2,418,135; Apr. 1.

Moore, Willard H., Santa Rosa, Calif. Aircraft wing flap assembly. 2,418,273; Apr. 1.

Morey, Glen H.: *See—*
Matuszak, Maryan P., and Morey.

Morgan, Willard L.: *See—*
Colbert, William H., and Morgan.

Morley, Earle V., Oakland, Calif. Plain bearing lubricator. 2,418,313; Apr. 1.

Morrison, Alexander L.: *See—*
Bergel, Franz, Hindley, Morrison, and Rinderknecht.

Munson, Wilden A., Chatham, and J. C. Steinberg, Short Hills, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Acoustic range finder. 2,418,136; Apr. 1.

Murray, Corinne M., Pensacola, Fla. Mounting photographs and similar devices on sheets or pages. 2,418,421; Apr. 1.

Murray Corporation of America, The, assignee: *See—*
Avery, Clarence W.

Nemeth, Stephan P., Chicago, Ill. Helicopter rotor vane for balancing side thrust of antitorque devices. 2,418,274; Apr. 1.

Niederhauser, Warren D.: *See—*
Bruson, Herman A., and Niederhauser.

Nikolaiczuk, Nikolai: *See—*
McFarlane, William D., and Nikolaiczuk.

Nixon, Abner M., Jr., Columbus, Ohio. Combined cigarette case and ash receiver. 2,418,188; Apr. 1.

Noell, Milton J., Dallas, Tex. Guiding projectiles toward predetermined destinations and for ascertaining the positions of the destinations. 2,418,137; Apr. 1.

Nordberg Manufacturing Co., assignee: *See—*
Friend, Robert E.

Nordell, Carl H., Chicago, Ill., assignor to Infilco Incorporated. Traction drive for liquid treating apparatus. 2,418,189; Apr. 1.

Norman, John E., assignee: *See—*
James, Joseph R., and Keyzer-André.

Ogden, Arthur N.: *See—*
Miller, Merton R., and Ogden.

Ogilvie Flour Mills Co. Limited, The, assignee: *See—*
McFarlane, William D., and Nikolaiczuk.

Ostlund, Evert M.: *See—*
Labin, Emile, and Ostlund.

O'Toole, Richard F., Scarsdale, and A. C. Parlini, Freeport, assignors of one-half to said O'Toole, one-fourth to N. J. Vezeris, and one-fourth to S. Linakis, New York, N. Y. Apparatus for roasting coffee. 2,418,275; Apr. 1.

Overland, Leo D., Brooklyn, N. Y. Dipping apparatus for coating ice cream bars. 2,418,190; Apr. 1.

Oxley, Milas A., Kansas City, Mo. Trouser hanger and stretcher. 2,418,314; Apr. 1.

Ozark Chemical Company, assignee: *See—*
Cecil, Lawrence K., Stengl, and Bedwell.

Packer, Howard, Dayton, Ohio. Paint remover composition. 2,418,188; Apr. 1.

Palmer, Robert C., East Chicago, Ind., assignor to Sinclair Refining Company, New York, N. Y. Lubricant. 2,418,422; Apr. 1.

Paper Patents Company, assignee: *See—*
Du Bois, Horace A.

Parke, Davis & Company, assignee: *See—*
Marker, Russell E.

Parker Appliance Company, The, assignee: *See—*
Zarobsky, Charles A.

Parlini, Alexander C.: *See—*
O'Toole, Richard F., and Parlini.

Parrish, William C., Park Ridge, assignor to Stewart-Warner Corporation, Chicago, Ill. Heat exchanger. 2,418,191; Apr. 1.

Patchogue-Plymouth Mills Corporation, assignee: *See—*
Lambert, Ernest E.

Paton, John R.: *See—*
Bach, Robert G., and Paton.

Peirce, Walter T., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Stranded wire structure for apparatus towing. 2,418,192; Apr. 1.

Pellerano, Silvio, assignor to The Kaydon Engineering Corporation, Muskegon, Mich. Shaping of vinylidene chloride polymers while in contact with cadmium or cadmium base alloys. 2,418,423; Apr. 1.

Perrine, Robert O.: *See—*
Addicks, Walter E., and Perrine.

Peterson, Joel D., Ridgewood, assignor to Bendix Aviation Corporation, Bendix, N. J. Self-synchronous motion reproducing system. 2,418,193; Apr. 1.

Peterson, Robert H.: *See—*
Carr, Edward W., and Peterson.

Petskeyes, Charles H., Davenport, Iowa, assignor to Gellman Manufacturing Company, Rock Island, Ill. Bread wrapping machine. 2,418,276; Apr. 1.

Petskeyes, Charles H., Davenport, Iowa, assignor to Gellman Manufacturing Company, Rock Island, Ill. Article wrapping machine. 2,418,277; Apr. 1.

Phillips Petroleum Company, assignee: *See—*
Frey, Frederick E.
Matuszak, Maryan P., and Morey.
Upham, John D.

Piccardo, Jack E., Oakland, Calif., assignor to Shasta Pump Company. Sealing means for submersible electric motor-pump units. 2,418,194; Apr. 1.

Pittsburgh-Des Moines Company, assignee: *See—*
Jackson, James O.

Plym, Lester M., Glen Ellyn, Ill., assignor to American Telephone and Telegraph Company. Electrical measuring device. 2,418,424 ;Apr. 1.

Poch, Waldemar J., Morristown, N. J., assignor to Radio Corporation of America. Self-synchronized saw-tooth generator. 2,418,425; Apr. 1.

Polyxor Chemical Co., Inc., assignee: *See—*
Farber, Eduard.

Powers, James H., Fort Wayne, Ind., assignor to General Electric Company. Dishwashing machine. 2,418,366; Apr. 1.

Preisman, Albert, Flushing, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Transmitter adjusting system. 2,418,139; Apr. 1.

Presser, Eric A. F., East Chicago, Ind. Flexible shock absorbing power coupling. 2,418,315; Apr. 1.

Pulvers, Joseph, Brooklyn, N. Y. Container and closure therefor. 2,418,367; Apr. 1.

Pure Oil Company, The, assignee: *See—*
Ayers, George W.

Pye Limited, assignee: *See—*
Lawson, Dennis I.

Quigley, James E.: *See—*
Dworkowski, John, and Quigley.

Radio Corporation of America, assignee: *See—*
Hillier, James.
Hillier, James, and Baker.
Lesnick, Robert N., and Matson.
Luck, David G. C.
Poch, Waldemar J.
Runge, Frank E.
Smith, Perry C.
Tourshou, Simeon I.

Reed, Dempson H., Houston, Tex. Outside pipe cutter. 2,418,278; Apr. 1.

Reiter, David, Woodside, Long Island, N. Y. Dental instrument. 2,418,316; Apr. 1.

Resinous Products & Chemical Company, The, assignee: *See—*
Bruson, Herman A., and Niederhauser.

Revere Camera Company, assignee: *See—*
Briskin, Theodore S., and Golick.

Richards, Lawrence M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Copolymers of vinyl thiolesters and esters of 1,4-butenedioic acids. 2,418,426; Apr. 1.

Rinderknecht, Heinrich: *See—*
Bergel, Franz, Hindley, Morrison, and Rinderknecht.

Rippel, Francis J.: *See—*
Isaac, Elmer B., and Rippel.

Robertshaw Thermostat Company, assignee: *See—*
Eskin, Samuel G., and Strobel.

Robinson, Charles A., Salem, and H. A. Imhof, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Fastening inserting mechanism. 2,418,140; Apr. 1.

Robison, Clinton S., Chicago, Ill. Making salt. 2,418,427; Apr. 1.

Rolph, Thomas W., Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y. Luminaire. 2,418,195; Apr. 1.

Ronci, Victor L.: *See—*
Hale, Douglas A. S., and Ronci.

Rozner, Joseph J., assignor to Aetna Ball & Roller Bearing Co., Chicago, Ill. Needle bearing. 2,418,196; Apr. 1.

Ruau, Felix F.: *See—*
Molins, Desmond W., and Ruau.

Rundquist, Henning W., East Lansing, assignor to General Motors Corporation, Detroit, Mich. Cartridge feeding mechanism. 2,418,428; Apr. 1.

Runge, Frank E., Haddon Heights, N. J., assignor to Radio Corporation of America. Electronic gun adjustment. 2,418,317; Apr. 1.

Salazar, Alfred M., West Islip, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Battery holder. 2,418,141; Apr. 1.

Sauer, George, assignor to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,418,429; Apr. 1.

Sax, Herman, and L. J. Fox, assignors to Modern Devices, Inc., Chicago, Ill. Wheel blocking device. 2,418,279; Apr. 1.

Scalera, Mario, Somerville, N. J., assignor to American Cyanamid Company, New York, N. Y. Process for the preparation of B^{z}1-chlorobenzanthrone. 2,418,318; Apr. 1.

Schief, Ernest F., Medford, Wis. Razor and shear sharpener. 2,418,430; Apr. 1.

Schramka, Bernard, assignor to De Vry Corporation, Chicago, Ill. Foot adjustment for cabinets. 2,418,236; Apr. 1.

Schroeder, Frederick B., Cincinnati, Ohio, assignor of one-half to T. Sullivan, Covington, Ky. Toy vehicle. 2,418,368; Apr. 1.

Schubert, Anthony J., Raymondville, Tex. Control mechanism for aircraft. 2,418,369; Apr. 1.

Sconce, James S., assignor to Hooker Electrochemical Company, Niagara Falls, N. Y. Purification of certain perchloroleflns. 2,418,109; Apr. 1.

Scripture, Edward W., Jr., Shaker Heights, Ohio. Cement composition. 2,418,431; Apr. 1.

Senkus, Murray, assignor to Commercial Solvents Corporation, Terre Haute, Ind. Process for preparation of 2,2-dialkyl-1,3-propanediamines. 2,418,237; Apr. 1.

Shaffer Tool Works, assignee: *See—*
Greenlee, Joseph R.

Shape, Alfred C.: *See—*
Miller, Fred M., Shape, McClelland, and Fay.

Shasta Pump Company, assignee: *See—*
Piccardo, Jack E.

Shell Development Company, assignee: *See—*
Haury, Vernon E., and Ballard.
McCombie, Horace R., and Kittle.

Sherer, Archie A., Dayton, Ohio. Garment protector. 2,418,197; Apr. 1.

Sherka Chemical Co., Inc., assignee: *See—*
Korpiun, Joachim.

Shipman, Frederic, New York, N. Y. Theatrical and advertising display. 2,418,198; Apr. 1.

Simmon, Alfred, Jackson Heights, assignor to Simmon Brothers, Inc., Long Island City, N. Y. Computing device for photographic cameras. 2,418,370; Apr. 1.

Simmon Brothers, Inc., assignee: *See—*
Simmon, Alfred.

Simmons, Leon E., Claremont, N. H., assignor to Joy Manufacturing Company. Kerf cutting means. 2,418,199; Apr. 1.

Simmons, Leon E., Claremont, N. H., assignor to Jon Manufacturing Company. Cutter chain. 2,418,319; Apr. 1.

Simmons, Leon E., Claremont, N. H., assignor to Joy Manufacturing Company. Forming cutter bits. 2,418,320; Apr. 1.

Sinclair Refining Company, assignee: *See—*
Palmer, Robert C.

Smellie, Donald G., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,418,371; Apr. 1.

Smith, A. O., Corporation, assignee: *See—*
Harlamoff, Anatol J.

Smith, Carl E., Arlington, Va. Electromechanical calculator. 2,418,238; Apr. 1.

- Smith, David F., Grosse Ile, assignor, by mesne assignments, to Wyandotte Chemicals Corporation, Wyandotte, Mich. Purification of caustic soda and production of caustic compound. 2,418,372; Apr. 1.
- Smith, George H., Kenmore, N. Y., assignor to The Linde Air Products Company. Mineral working apparatus. 2,418,200; Apr. 1.
- Smith Meter Company, assignee: *See—*
  - Steen, William E.
- Smith, Perry C., assignor to Radio Corporation of America, Moorestown, N. J. Heat dissipating electron microscopes. 2,418,321; Apr. 1.
- Smith, Perry C., Moorestown, N. J., assignor to Radio Corporation of America. Magnetic electron lens system. 2,418,432; Apr. 1.
- Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Drum clothes drier including means for circulating the drying gas over the evaporator and condenser coils of a refrigerating device. 2,418,239; Apr. 1.
- Socke, John E., Pelham Manor, assignor to American Can Company, New York, N. Y. Bag loading machine. 2,418,142; Apr. 1.
- Socony-Vacuum Oil Company, Incorporated, assignee: *See—*
  - Gorin, Everett.
  - Marisic, Milton M.
- Solem, Louis, Minneapolis, Minn. Easel. 2,418,433; Apr. 1.
- Spalding, John E., Nitro, and D. B. Wicker, Dunbar, W. Va., assignors to American Viscose Corporation, Wilmington, Del. Staple fiber opener. 2,418,126; Apr. 1.
- Spaller, Elmer T., Cleveland Heights, assignor to The Euclid Electric & Mfg. Co., Euclid, Ohio. Centrifugal switch. 2,418,373; Apr. 1.
- Spencer, Milton R., Woodstock, Ill. Spring-driven toy. 2,418,201; Apr. 1.
- Sperry Gyroscope Company, Inc., assignee: *See—*
  - Hansen, William W.
- Spicacci, Attilio R., Bristol, Conn., assignor to General Motors Corporation, Detroit, Mich. Roller bearing. 2,418,322; Apr. 1.
- Spotnails, Inc., assignee: *See—*
  - Hamilton, Thomas W., and Anstett.
- Stanworth, John E., Rugby, England, assignor to General Electric Company. Fluorescent lamp and manufacture. 2,418,202; Apr. 1.
- Starr, Ralph W., Napa, Calif. Full automatic landing legs for semitrailers. 2,418,240; Apr. 1.
- Start, Ernest: *See—*
  - Start, Harry W. and E.
- Start, Harry W., Carlton, and E. Start, Wilford, England. Knocking-over bit construction. 2,418,323; Apr. 1.
- Stauffer Chemical Company, assignee: *See—*
  - Stauffer, John, Jr.
  - Wilde, Cecil B.
- Stauffer, John, Jr., Los Angeles, Calif., assignor to Stauffer Chemical Company. Manufacture of superphosphate fertilizers. 2,418,203; Apr. 1.
- Steen, William E., South Pasadena, assignor to Smith Meter Company, Los Angeles, Calif. Trip nozzle with float controlled valve. 2,418,280; Apr. 1.
- Steinberg, John C.: *See—*
  - Munson, Wilden A., and Steinberg.
- Stengel, Leonard A., and R. S. Egly, assignors to Commercial Solvents Corporation, Terre Haute, Ind. Vapor phase nitration of alkanes. 2,418,241; Apr. 1.
- Stengl, Rudolph J.: *See—*
  - Cecil, Lawrence K., Stengl, and Bedwell.
- Stewart-Warner Corporation, assignee: *See—*
  - McCollum, Henry J. D.
  - Parrish, William C.
- Stites, Joseph D.: *See—*
  - Wennberg, Odd, and Stites.
- Stodola, Edwin K., Neptune, N. J., assignor to the Government of the United States of America, as represented by the Secretary of War. Signal comparison system. 2,418,143; Apr. 1.
- Stone, Charles M., Beacon, assignor to The Texas Company, New York, N. Y. Production of alkadienes. 2,418,374; Apr. 1.
- Storer, Richard M., Denver, Colo. Harvesting ice. 2,418,434; Apr. 1.
- Stritter, Karl A., Nahant, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Seam and making the same. 2,418,204; Apr. 1.
- Strobel, Charles K.: *See—*
  - Eskin, Samuel G., and Strobel.
- Stuer, Joseph, Lawrence, Mass. Loom transfer mechanism. 2,418,324; Apr. 1.
- Sullivan, Thomas, assignee: *See—*
  - Schroeder, Frederick B.
- Sulzer, John H.: *See—*
  - Kirsch, William A., and Sulzer.
- Swearingen, Kenneth M., Turlock, Calif. Anti-hen-setting device. 2,418,144; Apr. 1.
- Sylvania Electric Products Inc., assignee: *See—*
  - Vogt, Charles A.
- Tack, Carl E., assignor to American Steel Foundries, Chicago, Ill. Brake. 2,418,435; Apr. 1.
- Talbot, Russell P., Detroit, Mich. Identifying minute measurement. 2,418,436; Apr. 1.
- Taylor, Edmund R., Pelham Manor, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,418,145; Apr. 1.
- Taylor, Myron L., West Englewood, N. J., assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for preventing the accumulation of ice. 2,418,205; Apr. 1.
- Texas Company, The, assignee: *See—*
  - Garol, John E.
  - Gruenke, Gilbert F.
  - Stone, Charles M.
- Thompson, Stanley R., Washington, Iowa. Water pump seal surface grinding pilot. 2,418,206; Apr. 1.
- Tilbrook, Gilmore L., Washington, D. C. Rythmeter for determining sterility and fertility. 2,418,207; Apr. 1.
- Timken Roller Bearing Company, The, assignee: *See—*
  - Buckwalter, Tracy V.
- Tourshou, Simeon I., Philadelphia, Pa., assignor to Radio Corporation of America. Production of delayed pulses. 2,418,375; Apr. 1.
- Touton, Rush D., Wynnewood, assignor to Wurton Machine Company, Philadelphia, Pa. Apparatus for conditioning tobacco. 2,418,281; Apr. 1.
- Turner, Archibald J., assignor to Wilson Sporting Goods Company, Chicago, Ill. Eyeglass protector. 2,418,376; Apr. 1.
- Tyer Rubber Company, assignee: *See—*
  - Dinmore, Harry C., Jr., and Fraser.
- Tyler, Paul J., assignee, et al.: *See—*
  - Lawler, Frank P.
- Underwood, James W.: *See—*
  - D'Alelio, Gaetano F., and Underwood.
- Union Special Machine Company, assignee: *See—*
  - Sauer, George.
- United Aircraft Corporation, assignee: *See—*
  - Martin, Erle, Lampton, and Vincent.
- United Shoe Machinery Corporation, assignee: *See—*
  - Fossa, Joseph.
  - Fredericksen, James P.
  - Holmgren, Eric A.
  - Robinson, Charles A., and Imhof.
  - Stritter, Karl A.
- United States Rubber Company, assignee: *See—*
  - Drake, Charles E.
- Universal Oil Products Company, assignee: *See—*
  - Mavity, Julian M.
- Upham, John D., Bartlesville, Okla., assignor to Phillips Petroleum Company. Catalytic hydrocarbon conversion. 2,418,146; Apr. 1.
- Van Akkeren, Antonius J. J., The Hague, assignor of one-half to N. K. Bos, Voorburg, Netherlands. Lacing needle. 2,418,377; Apr. 1.
- Vezeris, Nicholas J., assignee, et al.: *See—*
  - O'Toole, Richard F., and Parlini.
- Vincent, Edwin E.: *See—*
  - Martin, Erle, Lampton, and Vincent.
- Vogt, Charles A., St. Marys, assignor to Sylvania Electric Products Inc., Emporium, Pa. Electron tube tapping device for defect testing. 2,418,437; Apr. 1.
- Vogt, Lawrence E.: *See—*
  - Flogaus, Howard A., and Vogt.
- Voytech, Charles F., assignor to Borg-Warner Corporation, Chicago, Ill. Transmission. 2,418,378; Apr. 1.
- Walker, George L., Jersey City, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Gas torch. 2,418,208; Apr. 1.
- Wallace, Charles F., Westfield, assignor to Wallace & Tiernan Products, Inc., Belleville, N. J. Apparatus for establishing a vacuum in manometer-type instruments. 2,418,379; Apr. 1.
- Wallace & Tiernan Products, Inc., assignee: *See—*
  - Wallace, Charles F.
- Wallace, Wilfred N.: *See—*
  - Wassall, John B., and Wallace.
- War, United States of America, as represented by the Secretary of, assignee: *See—*
  - Stodola, Edwin K.
- Warner, Douglas K., Sarasota, Fla. Inlet air opening of jet propelled planes. 2,418,380; Apr. 1.
- Washington Veneer Company, assignee: *See—*
  - McClary, Harold W.
- Wassall, John B., Burbank, and W. N. Wallace, Glendale, Calif., assignors, by mesne assignments, to Lockheed Aircraft Corporation. Aircraft landing gear. 2,418,325; Apr. 1.
- Watts, Roger B., Nashua, N. H., assignor to Whitin Machine Works, Whitinsville, Mass. Traveller-applying tool. 2,418,209; Apr. 1.
- Watts, Vilas E., San Francisco, Calif. Producing curved laminated structures. 2,418,438; Apr. 1.
- Wegmann, Adolph J., Flushing, N. Y., assignor to Dri-Steam Products, Inc. Steam separator. 2,418,381; Apr. 1.
- Wegner Machinery Corporation, assignee: *See—*
  - Wennberg, Odd, and Stites.
- Weiss, Robert H., Plainfield, and A. C. Wintringham, Glen Ridge, N. J., assignors to American Cyanamid Company, New York, N. Y. Preparation of arylides of aromatic orthohydroxy carboxylic acids. 2,418,326; Apr. 1.

- Wennberg, Odd, Manhasset, and J. D. Stites, New York, assignors to Wegner Machinery Corporation, Long Island City, N. Y. Bar stock and reinforcing bar. 2,418,382; Apr. 1.
- Wennberg, Odd, Manhasset, and J. D. Stites, New York, assignors to Wegner Machinery Corporation, Long Island City, N. Y. Bar stock and reinforcing bar. 2,418,383; Apr. 1.
- Western Electric Company, Incorporated, assignee: *See—*
  - Kirsch, William A., and Sulzer.
  - Miller, Merton R., and Ogden.
- Westinghouse Air Brake Company, The, assignee: *See—*
  - Larson, Arthur G.
- Westinghouse Electric Corporation, assignee: *See—*
  - Davis, Arthur A.
  - Ehrgott, Karl.
  - Graybill, Howard W.
  - Moberly, Lawrence E.
- Wetherill, Francis M., Philadelphia, Pa. Fluid motor. 2,418,439; Apr. 1.
- White, Herbert E., Cleveland Heights, Ohio. Switch. 2,418,384; Apr. 1.
- White, Martin H., Raleigh, and H. R. Johnson, Durham, N. C. Pressure operated drain valve. 2,418,440; Apr. 1.
- Whitehead & Kales Company, assignee: *See—*
  - Huebshman, Paul J.
- Whitehill, Lynwood N.: *See—*
  - French, Frederic A., and Whitehill.
- Whitin Machine Works, assignee: *See—*
  - Watts, Roger B.
- Whitman, Gerald M., Claymont, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydrogenation of organic compounds using titanium hydride as a catalyst. 2,418,441; Apr. 1.
- Whitman Publishing Company, assignee: *See—*
  - Lewis, William T.
- Whyte, Daniel D., Brooklyn, and N. Klein, Laurelton, N. Y.; said Klein assignor to said Whyte. Ornamental fabric for handbags. 2,418,327; Apr. 1.
- Wicker, Dan B.: *See—*
  - Spalding, John E., and Wicker.
- Wickwire Spencer Steel Company, assignee: *See—*
  - Holder, Edward P.
- Wieneke, Herman W., Flushing, N. Y., assignor to Hearing Aid Battery Corp., Newark, N. J. Multicell flat type dry battery. 2,418,442; Apr. 1.
- Wiesner, Arthur W. A., Cameron, Wis. Jack. 2,418,443; Apr. 1.
- Wilcox, Frederic S., Springfield, Mass. Cooling system for internal-combustion engines. 2,418,385; Apr. 1.
- Wilde, Cecil B., Compton, Calif., assignor to Stauffer Chemical Company. Treating alkylation sulfuric acid sludge. 2,418,210; Apr. 1.
- Wilde, Myron T., Wayland, Mich. Locking device for bar knobs. 2,418,147; Apr. 1.

597 O. G.—9b

- Williams, Clyde E., and A. S. Henderson, Columbus, Ohio, assignors, by mesne assignments, to Henry L. Crowley & Company, Inc. Producing crystalline iron by the hydrogen reduction of ferrous chloride. 2,418,148; Apr. 1.
- Williams, John G., assignor to British Celanese Limited, London, England. Making cellular cellulose derivatives. 2,418,211; Apr. 1.
- Williams, Marguerite R., assignor to Lily of France Corset Company, Inc., New York, N. Y. Girdle. 2,418,242; Apr. 1.
- Williamson, Fred E., Chicago, Ill. Phonographic stylus. 2,418,212; Apr. 1.
- Williamson, John A., assignor to The Carborundum Company, Niagara Falls, N. Y. Abrasive manufacture. 2,418,282; Apr. 1.
- Wilson Sporting Goods Company, assignee: *See—*
  - Turner, Archibald J.
- Wilson, Wesley, Chicago, Ill. Radiant heat drying construction. 2,418,283; Apr. 1.
- Winchel, Henry T., and J. A. Wippert, North Hollywood, Calif., assignors, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind. Differential voltage measuring circuit. 2,418,284; Apr. 1.
- Winterkamp, Frederick, Youngstown, Ohio, assignor to Carnegie-Illinois Steel Corporation. Slab marking device. 2,418,213; Apr. 1.
- Wintringham, Andrews C.: *See—*
  - Weiss, Robert H., and Wintringham.
- Wippert, James A.: *See—*
  - Winchel, Henry T., and Wippert.
- Witzel, Ernst, assignor, by mesne assignments, to Milsteel Products Co., Milwaukee, Wis. Separable sadiron assemblage. 2,418,285; Apr. 1.
- Wood, Frank J., Riverside, assignor to Goodman Manufacturing Company, Chicago, Ill. Continuous pickling and cleaning device for metal. 2,418,386; Apr. 1.
- Wurton Machine Company, assignee: *See—*
  - Touton, Rush D.
- Wyandotte Chemicals Corporation, assignee: *See—*
  - Smith, David F.
- Wytovich, Stanley A., assignor to Blossom Products Corporation, Allentown, Pa. Stop mechanism for knitting machines. 2,418,444; Apr. 1.
- Yale & Towne Manufacturing Company, The, assignee: *See—*
  - Kendrick, Albert S.
- Yeager, Henry M., and S. O. McCoy, Baltimore, Md. Dental wax spatula with heat dissipating handle and telescoping fuel supply. 2,418,214; Apr. 1.
- Zarobsky, Charles A., assignor to The Parker Appliance Company, Cleveland, Ohio. Machine tool. 2,418,387; Apr. 1.
- Ziebolz, Herbert, assignor to Askania Regulator Company, Chicago, Ill. Apparatus for controlling primary and secondary fuels. 2,418,388; Apr. 1.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 1st DAY OF APRIL, 1947

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Parachute. A. P. Atherton. Re. 22,859; Apr. 1.
Polish, Liquid wax. J. M. Olson. Re. 22,860; Apr. 1.

LIST OF PLANT INVENTIONS

Azalea plant. M. A. Dauernheim. 733–4; Apr. 1.

LIST OF DESIGN INVENTIONS

Bar, Automobile grille. R. Cadwallader. 146,535; Apr. 1.
Bar, Automobile trim. R. Cadwallader. 146,534; Apr. 1.
Cabinet, Radio. J. De Young. 146,537; Apr. 1.
Cap, Container. P. A. Derham. 146,536; Apr. 1.
Dress. J. Walker. 146,549; Apr. 1.
Font, Holy water. W. T. Jones. 146,544; Apr. 1.
Frame or the like, Spectacle. L. L. Gagnon. 146,538; Apr. 1.
Mouthpiece, Musical instrument. J. Thompson. 146,547; Apr. 1.
Radio, clock, and bed lamp, Combined. M. F. Valinski and E. W. Leyve. 146,548; Apr. 1.
Refrigerator. A. G. Hansen. 146,541; Apr. 1.
Roller, Matrix. G. R. Steele. 146,546; Apr. 1.
Sewing machine. F. Gegauf. 146,539; Apr. 1.
Stein. J. Gmeindl. 146,540; Apr. 1.
Vehicle. A. Hecht. 146,542–3; Apr. 1.
Vehicle, Rail. O. Kubler. 146,545; Apr. 1.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 1st DAY OF APRIL, 1947

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive articles. C. E. Drake. 2,418,249–50; Apr. 1.
Abrasive manufacture. J. A. Williamson. 2,418,282; Apr. 1.
Actuator control. G. W. Jackson. 2,418,351; Apr. 1.
Actuator, Overtravel switch. N. C. Fetter. 2,418,222; Apr. 1.
Adhesive, Bituminous. S. A. Moore and T. Greenfield. 2,418,135; Apr. 1.
Aircraft landing gear. J. B. Wassall and W. N. Wallace. 2,418,325; Apr. 1.
Aircraft supporting surface. L. C. Heal. 2,418,301; Apr. 1.
Aircraft wing flap assembly. W. H. Moore. 2,418,273; Apr. 1.
Air opening of jet propelled planes, Inlet. D. K. Warner. 2,418,380; Apr. 1.
Alkadienes, Production of. C. M. Stone. 2,418,374; Apr. 1.
Alkanes, Vapor phase nitration of. L. A. Stengel and R. S. Egly. 2,418,241; Apr. 1.
Aluminum and aluminum alloys with metal coatings, Providing. J. Korpiun. 2,418,265; Apr. 1.
Anode structure. Z. J. Atlee. 2,418,390; Apr. 1.
Antenna array, Directive. A. G. Kandoian. 2,418,124; Apr. 1.
Anti-hen-setting device. K. M. Swearingen. 2,418,144; Apr. 1.
Apparatus for coating ice cream bars, Dipping. L. D. Overland. 2,418,190; Apr. 1.
Apparatus for conditioning tobacco. R. D. Touton. 2,418,281; Apr. 1.
Apparatus for controlling primary and secondary fuels. H. Ziebolz. 2,418,388; Apr. 1.
Apparatus for electric discharge lamps, Starting and controlling. J. H. Campbell. 2,418,159–61; Apr. 1.
Apparatus for establishing a vacuum in manometer-type instrument. C. F. Wallace. 2,418,379; Apr. 1.
Apparatus for preventing the accumulation of ice. M. L. Taylor. 2,418,205; Apr. 1.
Apparatus for roasting coffee. R. F. O'Toole and A. C. Parlini. 2,418,275; Apr. 1.
Arylides of aromatic orthohydroxy carboxylic acids, Preparation of. R. H. Weiss and A. C. Wintringham. 2,418,326; Apr. 1.
Automatic boat bailer. R. L. Engle. 2,418,252; Apr. 1.
Automatically focussed projection printer. C. H. Jacobson. 2,418,230; Apr. 1.
Azo lakes, Manufacture of. R. C. Locke. 2,418,416; Apr. 1.
BZ1-chlorobenzanthrone, Preparation of. M. Scalera. 2,418,318; Apr. 1.
Bag filling machine and method, Valve controlled rotary hopper. G. L. Hurst. 2,418,263; Apr. 1.
Bar stock and reinforcing bar. O. Wennberg and J. D. Stites. 2,418,382–3; Apr. 1.
Base for electric lamps and similar devices. E. B. Isaac and F. J. Rippel. 2,418,179; Apr. 1.
Battery holder. A. M. Salazar. 2,418,141; Apr. 1.
Battery, Multicell flat type dry. H. W. Wiencke. 2,418,442; Apr. 1.
Bearing: *See*—
  Crank pin bearing.
  Roller bearing.
  Needle bearing.
Bearing structure. F. M. Bley. 2,418,219; Apr. 1.
Bed, Collapsible. C. A. Linsley. 2,418,307; Apr. 1.
Bed construction, Hospital. R. G. Harmanson. 2,418,259; Apr. 1.
Belt lifter. A. A. Davis. 2,418,337; Apr. 1.
Bit construction, Knocking-over. H. W. and E. Start. 2,418,323; Apr. 1.
Blocking device, Wheel. H. Sax and L. J. Fox. 2,418,279; Apr. 1.
Boiler: *See*—
  Waste heat boiler.
Brake. C. E. Tack. 2,418,435; Apr. 1.
Brake operating means for tractors. C. L. and M. M. Mehn. 2,418,186; Apr. 1.
Cabinet: *See*—
  Ice cream dispensing cabinet.
Calculator, Electro-mechanical. C. E. Smith. 2,418,238; Apr. 1.
Carbon brushes, Impregnating. L. E. Moberly. 2,418,420; Apr. 1.
Card filing device, Rotary. E. E. Knittel. 2,418,357; Apr. 1.
Carrier for bottles and the like. M. E. Holy. 2,418,350; Apr. 1.
Cartridge feeding mechanism. H. W. Rundquist. 2,418,428; Apr. 1.
Cartridges, Manufacture of heating. W. A. Caldwell and D. G. Ashcroft. 2,418,333; Apr. 1.
Case and ash receiver, Combined cigarette. A. M. Nixon, Jr. 2,418,188; Apr. 1.
Catalysts comprising supported chromium oxide, Preparation of. M. P. Matuszak. 2,418,270; Apr. 1.
Cathode-ray apparatus and controlling the ray. M. R. Miller and A. N. Ogden. 2,418,133; Apr. 1.
Cellular cellulose derivatives, Making. J. G. Williams. 2,418,211; Apr. 1.
Cellulose acetate plasticized with an arylmorpholidophosphate. L. W. Georges. 2,418,224; Apr. 1.
Cement composition. E. W. Scripture, Jr. 2,418,431; Apr. 1.
Centrifugal pump. A. J. Harlamoff. 2,418,258; Apr. 1.
Centrifugal switch. E. T. Spaller. 2,418,373; Apr. 1.
Chain: *See*—
  Cutter chain.
Checkerboard. G. E. and L. M. Bennett. 2,418,287; Apr. 1.
Chick-hatchery waste to recover protein-fat concentrates, Treating. W. D. McFarlane, and N. Nikolaiczuk. 2,418,311; Apr. 1.
Chromium oxide catalyst and its preparation. M. P. Matuszak and G. H. Morey. 2,418,309; Apr. 1.
Cigarette, Medicated. S. S. Frederickson. 2,418,296; Apr. 1.
Circuit: *See*—
  Differential voltage measuring circuit.
Circuit interrupter. H. W. Graybill. 2,418,171; Apr. 1.
Cleaner: *See*—
  Suction cleaner.
  Vacuum cleaner.
Clearance regulator. O. M. Burkhardt. 2,418,110; Apr. 1.
Clip construction. H. A. Bauer, F. C. Deli, and J. T. Krajniak. 2,418,218; Apr. 1.
Closure caps, Making. W. J. Keith. 2,418,353; Apr. 1.
Clutch: *See*—
  Mechanical clutch.
Cock, Kelly. J. R. Greenlee. 2,418,404; Apr. 1.
Collecting mechanism for rod shaped articles. D. W. Mollins and F. F. Ruau. 2,418,365; Apr. 1.
Color mixing system, Television. C. C. Larson. 2,418,414; Apr. 1.
Combustion control. S. Chase. 2,418,163; Apr. 1.
Communication, Secret. W. W. Hansen. 2,418,119; Apr. 1.
Computing device for photographic cameras. A. Simmon. 2,418,370; Apr. 1.
Container: *See*—
  Precooling milking container.
Container. H. E. Griffith. 2,418,172; Apr. 1.
Container and closure therefor. J. Pulvers. 2,418,367; Apr. 1.
Container, dispenser-disposer, Cup. H. Halt. 2,418,227; Apr. 1.
Container having closure securing means, Molded fibrous pulp. H. R. Denton. 2,418,248; Apr. 1.
Control apparatus for forced drainage. E. G. Carlson. 2,418,395; Apr. 1.
Control device for electrically operated machines, Safety. J. O. Kleber. 2,418,356; Apr. 1.
Control means for helicopters. R. R. Hays. 2,418,407; Apr. 1.
Control mechanism for aircraft. A. J. Schubert. 2,418,369; Apr. 1.
Control mechanism for drilling machines. I. F. Churchill. 2,418,220; Apr. 1.
Conveying apparatus. P. R. Hornbrook. 2,418,302; Apr. 1.
Cooling system for internal-combustion engine. F. S. Wilcox. 2,418,385; Apr. 1.
Copolymers of vinyl thiolesters and esters of 1,4-butenedioic acids. L. M. Richards. 2,418,426; Apr. 1.
Coupling: *See*—
  Flexible shock absorbing power coupling.
Coupling for electric wires. H. H. Corley. 2,418,164; Apr. 1.
Covering for preventing accumulation of ice on airfoils, Protective. E. E. Heston. 2,418,174; Apr. 1.
Crank pin bearing. T. V. Buckwalter. 2,418,245; Apr. 1.
Crystalline iron by the hydrogen reduction of ferrous chloride. C. E. Williams and A. S. Henderson. 2,418,148; Apr. 1.
Cultivator, Adjustable wheeled. C. M. Kearns. 2,418,352; Apr. 1.

Cutter: *See*—
  Inserted tooth milling cutter.
Cutter bits, Forming. L. E. Simmons. 2,418,320; Apr. 1.
Cutter chain. L. E. Simmons. 2,418,319; Apr. 1.
Cyclic base derived from arylacetonitrile derivatives, Manufacture of. F. Bergel, N. C. Hindley, A. L. Morrison, and H. Rinderknecht. 2,418,289; Apr. 1.
Dental instrument. D. Reiter. 2,418,316; Apr. 1.
Device for illuminating and exhibiting transparencies. J. and A. Gross. 2,418,225; Apr. 1.
Differential servo system. R. N. Lesnick and L. E. Matson, Jr. 2,418,306; Apr. 1.
Differential voltage measuring circuit. H. T. Winchel and J. A. Wippert. 2,418,284; Apr. 1.
Diketones, Production of. V. E. Haury and S. A. Ballard. 2,418,173; Apr. 1.
Dioxanes, Substituted. F. A. French and L. N. Whitehill. 2,418,297; Apr. 1.
Direction finding system. J. H. Bollman. 2,418,156; Apr. 1.
Dish washer. T. M. Matlack and G. D. Hutchinson. 2,418,360; Apr. 1.
Dishwashing machine. J. H. Powers. 2,418,366; Apr. 1.
Distributor, Fertilizer. H. H. Meincke. 2,418,271; Apr. 1.
Drawer guiding means. W. M. Baird. 2,418,244; Apr. 1.
Drier including means for circulating the drying gas over the evaporator and condenser coils of a refrigerating device, Drum clothes. T. R. Smith. 2,418,239; Apr. 1.
Driftmeter. J. R. James and R. Keyzer-André. 2,418,264; Apr. 1.
Drive for liquid treating apparatus, Fraction. C. H. Nordell. 2,418,189; Apr. 1.
Drum for can sealing machines, Rotary and vertically movable. R. G. Bach and J. R. Paton. 2,418,328; Apr. 1.
Drying construction, Radiant heat. W. Wilson. 2,418,283; Apr. 1.
Duct for directing cooling air to a motor vehicle engine. H. A. Flogans and L. E. Vogt. 2,418,294; Apr. 1.
Duplicating machine. F. R. Ford. 2,418,341; Apr. 1.
Easel. L. Solem. 2,418,433; Apr. 1.
Egg treating machine. W. G. Howard. 2,418,409; Apr. 1.
Electric motor control. W. E. Menzies. 2,418,235; Apr. 1.
Electric switch. S. Minneci. 2,418,363; Apr. 1.
Electron discharge device. D. A. S. Hale and V. L. Ronci. 2,418,117; Apr. 1.
Electron lens systems, Correcting for distortion in. J. Hillier and R. F. Baker. 2,418,349; Apr. 1.
Electron tube tapping device for defect testing. C. A. Vogt. 2,418,437; Apr. 1.
Exercising device. J. D. Bell. 2,418,154; Apr. 1.
Eyeglass protector. A. J. Turner. 2,418,376; Apr. 1.
Fabric for handbag, Ornamental. D. D. Whyte and N. Klein. 2,418,327; Apr. 1.
Fastening device. D. B. Hull. 2,418,410; Apr. 1.
Fastening inserting mechanism. C. A. Robinson and H. A. Imhof. 2,418,140; Apr. 1.
Fibers, Method and apparatus for producing crimped staple. F. W. Koster and A. Bruenner. 2,418,125; Apr. 1.
Filter: *See*—
  Tubular detachable filter.
Filter press. L. S. Barnett. 2,418,153; Apr. 1.
Filter system. E. Labin. 2,418,127; Apr. 1.
Filter system, Rectifier. S. Frankel. 2,418,114; Apr. 1.
Fixture, Lighting. L. Margolis. 2,418,131; Apr. 1.
Flexible shock absorbing power coupling. E. A. F. Presser. 2,418,315; Apr. 1.
Fluid motor. F. M. Wetherill. 2,418,439; Apr. 1.
Foot adjustment for cabinets. B. Schramka. 2,418,236; Apr. 1.
Footwear. H. Freedman. 2,418,342; Apr. 1.
Frame and negative carrier for enlarging, Registering. R. M. Haff. 2,418,226; Apr. 1.
Garment protector. A. A. Sherer. 2,418,197; Apr. 1.
Gas, Apparatus and method for producing inert. L. K. Cecil, R. J. Stengl, and F. B. Bedwell. 2,418,162; Apr. 1.
Gatherings, Producing. O. Haag. 2,418,347; Apr. 1.
Gear: *See*—
  Aircraft landing gear.
Generator: *See*—
  Impulse generator.
  Self-synchronized saw-tooth generator.
Generator testing stand. A. Burrows. 2,418,332; Apr. 1.
Girdle. M. R. Williams. 2,418,242; Apr. 1.
Graveling of wells. J. E. Garol. 2,418,343; Apr. 1.
Gun adjustment, Electronic. F. E. Runge. 2,418,317; Apr. 1.
Gunfire control. E. Bruce. 2,418,158; Apr. 1.
Halide catalysis of hydrocarbons, Metal. J. M. Mavity. 2,418,419; Apr. 1.
Halide-hydrocarbon complex catalyst, Preparation of metallic. G. F. Gruenke. 2,418,346; Apr. 1.
Hammer, Automatic stamping. E. C. Deitrich. 2,418,165; Apr. 1.
Hanger and stretcher, Trouser. M. A. Oxley. 2,418,314; Apr. 1.
Harness for microphones, Face. H. C. Hornickel. 2,418,120; Apr. 1.
Heat dissipating means for electron microscopes. P. C. Smith. 2,418,321; Apr. 1.
Heat exchanger. A. Y. Gunter and G. B. Farkas. 2,418,405; Apr. 1.
Heat exchanger. W. C. Parrish. 2,418,191; Apr. 1.
Heat-treating of collapsible hollow articles of rubber and the like, Apparatus and process for the. H. C. Dinmore, Jr., and R. K. Fraser. 2,418,166; Apr. 1.
Heater having air temperature responsive ignition control, Air. H. J. D. McCollum. 2,418,182; Apr. 1.
Hoist. F. P. Lawler. 2,418,267; Apr. 1.
Holder: *See*—
  Battery holder.
  Key holder.
Holder for motion-picture cameras, Magazine. T. S. Briskin and J. Golick. 2,418,331; Apr. 1.
Hook: *See*—
  Pivotally mounted safety hook.
Hook for stockings, Mending. J. V. Maillet. 2,418,417; Apr. 1.
Hoop, Barrell. E. P. Holder. 2,418,260; Apr. 1.
Hydrocarbon conversion, Catalytic. J. D. Upham. 2,418,146; Apr. 1.
Hydrocarbons, Catalytic dehydrogenation of. F. E. Frey. 2,418,255; Apr. 1.
Ice cream dispensing cabinet. L. D. Fletcher. 2,418,113; Apr. 1.
Ice, Harvesting. R. M. Storer. 2,418,434; Apr. 1.
Ignition catalysts treatment and apparatus. B. M. Higginbotham. 2,418,175; Apr. 1.
Impulse generator. E. Labin and E. M. Ostlund. 2,418,128; Apr. 1.
Inserted tooth milling cutter. J. H. Grayson. 2,418,257; Apr. 1.
Jack. A. W. A. Wiesner. 2,418,443; Apr. 1.
Jig, Drill. F. McCullough. 2,418,234; Apr. 1.
Journal arrangement. R. B. Cottrell. 2,418,398; Apr. 1.
Kerf cutting means. L. E. Simmons. 2,418,199; Apr. 1.
Key holder. B. Black. 2,418,330; Apr. 1.
Ladder. G. D. Godfrey. 2,418,256; Apr. 1.
Laminated structures, Producing curved. V. E. Watts. 2,418,438; Apr. 1.
Lamp and manufacture, Fluorescent. J. E. Stanworth. 2,418,202; Apr. 1.
Legs for semitrailers, Full automatic landing. R. W. Starr. 2,418,240; Apr. 1.
Lens system, Magnetic electron. P. C. Smith. 2,418,432; Apr. 1.
Lifter: *See*—
  Belt lifter.
Lighter or the like, Cigarette. I. Florman. 2,418,295; Apr. 1.
Limiter system, Automatic. G. J. C. Andresen. 2,418,389; Apr. 1.
Lining machine, Can cover. W. Diezel. 2,418,400; Apr. 1.
Liquid and vapor separating pump. R. R. Curtis. 2,418,221; Apr. 1.
Loader. E. A. Drott. 2,418,251; Apr. 1.
Loader unit for trucks and tractors, Detachable. J. P. Grabske. 2,418,403; Apr. 1.
Loading machine, Bag. J. E. Socke. 2,418,142; Apr. 1.
Locating equipment. R. E. Moe. 2,418,364; Apr. 1.
Lock mechanism. A. S. Kendrick. 2,418,180; Apr. 1.
Locking device for bar knobs. M. T. Wilde. 2,418,147; Apr. 1.
Locking means, Wheel. E. W. Carr and R. H. Peterson. 2,418,396; Apr. 1.
Locking mechanism. A. S. Kendrick. 2,418,180; Apr. 1.
Lubricant. R. C. Palmer. 2,418,422; Apr. 2.
Lubricator: *See*—
  Plain bearing lubricator.
Luminaire. T. W. Rolph. 2,418,195; Apr. 1.
Machine tool. C. A. Zarobsky. 2,418,387; Apr. 1.
Machine tool controller. W. E. Addicks and R. O. Perrine. 2,418,149; Apr. 1.
Magnet for electricity meters, Permanent brake. A. Hungerbüehler and W. Labhardt. 2,418,261; Apr. 1.
Mannikin support. R. Adler. 2,418,216; Apr. 1.
Marker and making same, Lifesaving dye. S. E. Bender. 2,418,392; Apr. 1.
Marker, Life jacket dye. R. Collyer and A. B. Clow. 2,418,397; Apr. 1.
Marking device, Slab. F. Winterkamp. 2,418,213; Apr. 1.
Mask, Protective. J. Coccellato. 2,418,334; Apr. 1.
Mask, Welder's. W. Leser. 2,418,415; Apr. 1.
Measuring device, Electrical. L. M. Plym. 2,418,424; Apr. 1.
Mechanical clutch. O. J. Eisele. 2,418,292; Apr. 1.
Microanalyzer, Electronic. J. Hillier. 2,418,228; Apr. 1.
Micrometer lap and guide. B. W. Lance. 2,418,413; Apr. 1.
Mineral working apparatus. G. H. Smith. 2,418,200; Apr. 1.
Minute measurements, Identifying. R. P. Talbot. 2,418,436; Apr. 1.
Mirror, Rear view. W. H. Colbert and W. L. Morgan. 2,418,335; Apr. 1.
Motion-picture machine. L. A. McNabb. 2,418,361; Apr. 1.
Motor: *See*—
  Fluid motor.
Motor for vehicles, Hydraulic wheel. J. F. Joy. 2,418,123; Apr. 1.

Mounting for butane tanks, Dome. R. Ewing. 2,418,253; Apr. 1.
Mounting photographs and similar devices on sheets or pages. C. M. Murray. 2,418,421; Apr. 1.
Nail driving machine. T. W. Hamilton and E. P. Anstett. 2,418,118; Apr. 1.
Needle bearing. J. J. Rozner. 2,418,196; Apr. 1.
Needle, Lacing. A. J. J. van Akkeren. 2,418,377; Apr. 1.
Nonlocking brake valve. W. F. Benning. 2,418,288; Apr. 1.
Nozzle with float controlled valve, Trip. W. E. Steen. 2,418,280; Apr. 1.
Octane number of motor fuel, Increasing. G. W. Ayers. 2,418,391; Apr. 1.
Oil, Lubricating. B. H. Lincoln and G. D. Byrkit. 2,418,358; Apr. 1.
Olefins with metal salt solutions, Prevention of emulsions during extraction of. H. R. McCombie and R. L. Kittle. 2,418,183; Apr. 1.
1,3-glycols, Unsaturated. H. A. Bruson and W. D. Niederhauser. 2,418,290; Apr. 1.
Opener, Staple fiber. J. E. Spalding and D. B. Wicker. 2,418,126; Apr. 1.
Ores, Reducing. C. O. Brown. 2,418,394; Apr. 1.
Organic compounds using titanium hydride as a catalyst, Hydrogenation of. G. M. Whitman. 2,418,441; Apr. 1.
Organometallic compounds containing 1,3,5-Triazine rings. E. A. H. Friedheim. 2,418,115; Apr. 1.
Orienting apparatus for articles having rounded surfaces. W. A. Kirsch and J. H. Sulzer. 2,418,355; Apr. 1.
Oscillator, Impulse producing. R. B. Hoffman. 2,418,121; Apr. 1.
Outlet having a concentric open ended tube for mixing room air with the incoming ventilating air stream, Air mixing and diffusing. F. J. Kurth and F. Honerkamp. 2,418,266; Apr. 1.
Outside pipe cutter. D. H. Reed. 2,418,278; Apr. 1.
Oxide gel, Preparing an inorganic. M. M. Marisic. 2,418,232; Apr. 1.
Oxygen, Manufacture of. E. Gorin. 2,418,402; Apr. 1.
Pad: *See*—
  Removable garment pad.
Paint remover composition. H. Packer. 2,418,138; Apr. 1.
Perchlorolefins, Purification of certain. J. S. Sconce. 2,418,109; Apr. 1.
Phonographic stylus. F. E. Williamson. 2,418,212; Apr. 1.
Photographic material and producing same, Laminated. M. R. Hutchison. 2,418,303; Apr. 1.
Photography in additive color by the controlled utilization of chromatic aberrations in lenses. S. B. Grimson. 2,418,345; Apr. 1.
Photosensitive material, Adhesive. M. R. Hutchison. 2,418,304; Apr. 1.
Pickling and cleaning device for metal, Continuous. F. J. Wood. 2,418,386; Apr. 1.
Pilot, Water pump seal surface grinding. S. R. Thompson. 2,418,206; Apr. 1.
Piston ring. P. M. Adamson. 2,418,243; Apr. 1.
Pivotally mounted safety hook. N. L. Dahlander. 2,418,111; Apr. 1.
Plain bearing lubricator. E. V. Morley. 2,418,313; Apr. 1.
Plastic articles, Making. B. Bogoslowsky. 2,418,155; Apr. 1.
Plywood products, Production of. H. W. McClary. 2,418,233; Apr. 1.
Precooling milking container. R. M. McDade. 2,418,310; Apr. 1.
Press: *See*—
  Filter press.
Press for making metal handles and links. G. R. Jeneson. 2,418,122; Apr. 1.
Press having flexible forming pad, Hydraulic die shaping. W. R. Bridgens. 2,418,393; Apr. 1.
Pressure operated drain valve. M. H. White and H. R. Johnson. 2,418,440; Apr. 1.
Projectiles toward predetermined destinations and for ascertaining the positions of the destinations, Means for guiding. M. J. Noell. 2,418,137; Apr. 1.
Propeller blade with steel shank, Aluminum. E. Martin, G. T. Lampton, and E. E. Vincent. 2,418,418; Apr. 1.
Protector: *See*—
  Eyeglass protector.
  Garment protector.
Protector for garbage cans and the like. M. J. Dacey. 2,418,291; Apr. 1.
Pulses, Production of delayed. S. I. Tourshou. 2,418,375; Apr. 1.
Pump: *See*—
  Centrifugal pump.
  Liquid and vapor separating pump.
Pump and distributor mechanism. A. A. Kucher. 2,418,412; Apr. 1.
Pump and tank assembly, Booster. E. J. Kimm and B. R. Bellmann. 2,418,231; Apr. 1.
Pumping mechanism. J. W. McConaghy. 2,418,184; Apr. 1.
Purifier and sterilizer, Gas. K. Ehrgott. 2,418,339; Apr. 1.
Radio direction finder. D. G. C. Luck. 2,418,308; Apr. 1.
Range finder, Acoustic. W. A. Munson and J. C. Steinberg. 2,418,136; Apr. 1.
Rectifier, Mercury arc. C. K. Ittner. 2,418,305; Apr. 1.
Regulator: *See*—
  Clearance regulator.
Removable garment pad. O. E. Jay and E. Gildersleeve. 2,418,411; Apr. 1.
Resin from cellulose and rosin acids, Processing thermoplastic. E. Färber. 2,418,293; Apr. 1.
Ring: *See*—
  Piston ring.
Roller bearing. A. R. Spicacci. 2,418,322; Apr. 1.
Rug, Woven fibre. E. E. Lambert. 2,418,215; Apr. 1.
Rythmeter for determining sterility and fertility. G. L. Tilbrook. 2,418,207; Apr. 1.
SO_2 from digester blowoff gases, Recovery of. H. A. Du Bois. 2,418,167; Apr. 1.
Sadiron assemblage, Separable. E. Witzel. 2,418,285; Apr. 1.
Salt, Making. C. S. Robison. 2,418,427; Apr. 1.
Salt mixtures, Making fused. S. B. Heath and C. A. Kuehl. 2,418,408; Apr. 1.
Sanding or rubbing machine. A. C. Burleigh. 2,418,246; Apr. 1.
Sealing device. J. W. McConaghy. 2,418,185; Apr. 1.
Sealing means for submersible electric motor-pump units. J. E. Piccardo. 2,418,194; Apr. 1.
Seam and making the same. K. A. Stritter. 2,418,204; Apr. 1.
Self-synchronized saw-tooth generator. W. J. Poch. 2,418,425; Apr. 1.
Self-synchronous motion reproducing system. J. D. Peterson. 2,418,193; Apr. 1.
Separator: *See*—
  Steam separator.
Servomotor, Follow-up pressure fluid. A. G. Larson. 2,418,129; Apr. 1.
Sewing cement bonded seams, Method and machine for. J. P. Fredericksen. 2,418,169; Apr. 1.
Sewing machine. G. Sauer. 2,418,429; Apr. 1.
Sharpener, Razor and shear. E. F. Schief. 2,418,430; Apr. 1.
Sheet material, Dielectric. E. A. Kern and H. F. Miller. 2,418,354; Apr. 1.
Shoe for aircraft, Inflatable. W. H. Hunter. 2,418,262; Apr. 1.
Shoes and laced uppers employed therein, Making. J. Fossa. 2,418,168; Apr. 1.
Shoes, Making prewelt. E. A. Holmgren. 2,418,177; Apr. 1.
Shovel, Power. H. F. Gorsuch. 2,418,299; Apr. 1.
Signal comparison system. E. K. Stodola. 2,418,143; Apr. 1.
Signal translating device, Electromechanical. J. P. Maxfield. 2,418,132; Apr. 1.
Signaling system. E. R. Taylor. 2,418,145; Apr. 1.
Signaling system, Selective. F. H. Hanley. 2,418,406; Apr. 1.
Signalling system, Pulse modulation. D. I. Lawson. 2,418,268; Apr. 1.
Sketching equipment, Artists. C. D. Austin. 2,418,286; Apr. 1.
Soda and production of caustic compound, Purification of caustic. D. F. Smith. 2,418,372; Apr. 1.
Sounding mechanism for toy guns and the like. H. De W. Crisler. 2,418,399; Apr. 1.
Spatula with heat disipating handle and telescoping fuel supply, Dental wax. H. M. Yeager and S. O. McCoy. 2,418,214; Apr. 1.
Stand: *See*—
  Generator testing stand.
Steam separator. A. J. Wegmann. 2,418,381; Apr. 1.
Steroidal hormone intermediates. R. E. Marker. 2,418,181; Apr. 1.
Stoker control, Automatic multiple. F. M. Miller, A. C. Shape, W. H. McClelland, and G. C. Fay. 2,418,272; Apr. 1.
Stop mechanism for knitting machines. S. A. Wytovich 2,418,444; Apr. 1.
Stove construction. C. W. Avery. 2,418,152; Apr. 1.
Suction cleaner. D. G. Smellie. 2,418,371; Apr. 1.
Sulfuric acid sludge, Treating alkylation. C. B. Wilde. 2,418,210; Apr. 1.
Superphosphate fertilizers, Manufacture of. J. Stauffer, Jr. 2,418,203; Apr. 1.
Support: *See*—
  Mannikin support.
Supporting and moving mechanism, Work. R. E. Flanders. 2,418,223; Apr. 1.
Switch: *See*—
  Centrifugal switch.
  Electric switch.
Switch. C. E. Bazley. 2,418,329; Apr. 1.
Switch. H. E. White. 2,418,384; Apr. 1.
Switch construction. E. A. Link. 2,418,359; Apr. 1.
Synchronizing system. L. A. De Rosa. 2,418,112; Apr. 1.
Synchronizing system. D. Mitchell. 2,418,134; Apr. 1.
Synchronizing system, Multiplex. D. D. Grieg. 2,418,116; Apr. 1.
Tank: *See*—
  Vapor conserving tank.
Tank for vending machines, Constant level. J. E. Hagstrom. 2,418,300; Apr. 1.

Tape, Elastic. J. V. Moore. 2,418,187; Apr. 1.
Telegraph, Ship's. R. E. Friend. 2,418,170; Apr. 1.
Telescopic optical observation instrument. J. W. French. 2,418,298; Apr. 1.
Temperature regulating apparatus, Automatic. S. G. Eskin and C. K. Strobel. 2,418,340; Apr. 1.
Testing device. R. R. Fleharty. 2,418,254; Apr. 1.
Testing system for non-typing selector. D. E. Foley and W. D. Johnson. 2,418,401; Apr. 1.
Theatrical and advertising display. F. Shipman. 2,418,198; Apr. 1.
Thermal responsive element. J. R. Adriansen and R. N. Eck. 2,418,150; Apr. 1.
Thread rolling. J. W. Batchelder. 2,418,217; Apr. 1.
Tire carrier skid assembly, Spare. P. J. Huebshman. 2,418,178; Apr. 1.
Tool: *See*—
  Machine tool. Traveller-applying tool.
Tools, Method of and apparatus for treating. J. Dworkowski and J. E. Quigley. 2,418,338; Apr. 1.
Tooth brush. A. A. Goldberg. 2,418,344; Apr. 1.
Torch, Gas. G. L. Walker. 2,418,208; Apr. 1.
Torque converter, Fluid. R. J. Miller. 2,418,362; Apr. 1.
Toy helicopter. W. T. Lewis. 2,418,269; Apr. 1.
Toy, Spring-driven. M. R. Spencer. 2,418,201; Apr. 1.
Toy vehicle. F. B. Schroeder. 2,418,368; Apr. 1.
Transfer mechanism, Loom. J. Stuer. 2,418,324; Apr. 1.
Transmission. C. F. Voytech. 2,418,378; Apr. 1.
Transmitter adjusting system. A. Preisman. 2,418,139; Apr. 1.
Traveller-applying tool. R. B. Watts. 2,418,209; Apr. 1.
Trellis construction. E. Anderson. 2,418,151; Apr. 1.
Triazine derivatives. G. F. D'Alelio and J. W. Underwood. 2,418,336; Apr. 1.
Tubes, Making tapered. N. Michelman. 2,418,312; Apr. 1.
Tubular detachable filter. C. B. Dalzell. 2,418,247; Apr. 1.
2,2-dialkyl-1,3-propanediamines, Preparation of. M. Senkus. 2,418,237; Apr. 1.
Vacuum cleaner. G. E. Lofgren. 2,418,130; Apr. 1.
Valve: *See*—
  Nonlocking brake valve.
  Pressure operated drain valve.
Valve for squeeze tube containers, Dispensing. M. Hermann. 2,418,348; Apr. 1.
Vane for balancing side thrust of antitorque devices, Helicopter rotor. S. P. Nemeth. 2,418,274; Apr. 1.
Vapor conserving tank. J. O. Jackson. 2,418,229; Apr. 1
Vehicle: *See*—
  Toy vehicle.
Vinylidene chloride polymers while in contact with cadmium or cadmium base alloys, Shaping of. S. Pellerano. 2,418,423; Apr. 1.
Waste heat boiler. R. B. Bourne. 2,418,157; Apr. 1.
Wearing apparel. E. H. Hillman. 2,418,176; Apr. 1.
Wire structure for apparatus towing, Stranded. W. T. Peirce. 2,418,192; Apr. 1.
Wrapping machine, Article. C. H. Petskeyes. 2,418,277; Apr. 1.
Wrapping machine, Bread. C. H. Petskeyes. 2,418,276; Apr. 1.

CLASSIFICATION OF PATENTS

ISSUED APRIL 1, 1947

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

1— 20: 2,418,140
46: 2,418,118
2— 8: 2,418,334
2,418,415
9: 2,418,376
43: 2,418,242
46: 2,418,197
105: 2,418,176
243: 2,418,347
268: 2,418,411
5— 21: 2,418,307
90: 2,418,259
12— 142: 2,418,177
15— 187: 2,418,344
18— 6: 2,418,166
55: 2,418,155
2,418,423
19— 66: 2,418,125
23— 173: 2,418,210
184: 2,418,372
221: 2,418,402
303: 2,418,427
24— 3: 2,418,410
11: 2,418,218
29— 105: 2,418,257
156: 2,418,312
207: 2,418,209
31— 4: 2,418,310
32— 40: 2,418,316
70: 2,418,214
33— 174: 2,448,421
34— 45: 2,418,275
77: 2,418,239
35— 26: 2,418,286
36— 1: 2,418,342
19: 2,418,294
46.5: 2,418,168
38— 88: 2,418,285
40— 115: 2,418,207
132: 2,418,225
41— 10: 2,418,327
45— 3: 2,418,357
77: 2,418,244
139: 2,418,236
46— 75: 2,418,269
191: 2,418,399
206: 2,418,201
47— 47: 2,418,151
60: Pl. Pt. 733
Pl. Pt. 734
49— 89: 2,418,202
51— 95: 2,418,149
170: 2,418,246
205: 2,418,430
216: 2,418,223
241: 2,418,206
2,418,413

51— 294: 2,418,282
299: 2,418,249
2,418,250
60— 54: 2,418,362
62— 101: 2,418,300
111: 2,418,434
64— 27: 2,418,315
66— 109: 2,418,323
117: 2,418,417
167: 2,418,444
67— 7.1: 2,418,295
19: 2,418,175
68— 181: 2,418,126
70— 38: 2,418,180
456: 2,418,330
71— 40: 2,418,203
72— 111: 2,418,382
2,418,383
73— 1: 2,418,379
74—242.7: 2,418,337
250: 2,418,199
270: 2,418,378
75— 26: 2,418,394
34: 2,418,148
93: 2,418,408
76— 101: 2,418,320
2,418,338
77— 4: 2,418,387
32: 2,418,220
62: 2,418,234
80— 6: 2,418,217
86— 20: 2,418,333
88— 1: 2,418,264
17: 2,418,331
18.4: 2,418,361
24: 2,418,226
2,418,230
2,418,345
77: 2,418,335
89— 33: 2,418,428
41: 2,418,158
91— 47: 2,418,400
92— 11: 2,418,167
93— 2: 2,418,276
2,418,277
36: 2,418,353
95— 8: 2,418,303
2,418,304
10: 2,418,370
97— 59: 2,418,352
98— 40: 2,418,266
99— 2: 2,418,311
101— 4: 2,418,165
2,418,213
132.5: 2,418,341
103— 2: 2,418,412
111: 2,418,258

105— 223: 2,418,398
106— 4: Re.22.860
92: 2,418,431
122: 2,418,211
176: 2,418,224
107— 54: 2,418,190
110— 32: 2,418,272
112— 35: 2,418,169
218: 2,418,429
219: 2,418,356
113— 44: 2,418,393
114— 185: 2,418,252
235: 2,418,192
116— 21: 2,418,170
114: 2,418,436
117— 21: 2,418,420
51: 2,418,265
155: 2,418,354
119— 97: 2,418,144
120— 28: 2,418,433
121— 41: 2,418,129
122— 7: 2,418,157
123— 90: 2,418,110
171: 2,418,385
126— 39: 2,418,152
116: 2,418,182
131— 17: 2,418,296
136: 2,418,281
134— 57: 2,418,366
99: 2,418,386
136— 111: 2,418,442
139— 243: 2,418,324
420: 2,418,215
421: 2,418,187
153— 2: 2,418,122
154— 43.5: 2,418,172
110: 2,418,438
133: 2,418,233
158— 27.4: 2,418,200
2,418,208
117.1: 2,418,340
119: 2,418,163
161— 15: 2,418,364
2,418,424
164— 0.6: 2,418,278
166— 1: 2,418,343
170— 173: 2,418,418
171— 34: 2,418,261
95: 2,418,284
97: 2,418,128
316: 2,418,395
172— 239: 2,418,137
2,418,193
2,418,306
279: 2,418,235
293: 2,418,112

172— 293: 2,418,134
175— 363: 2,418,114
176— 32: 2,418,179
177— 352: 2,418,132
2,418,156
353: 2,418,406
178— 5.4: 2,418,414
44: 2,418,127
2,418,375
69: 2,418,401
179— 15: 2,418,116
16: 2,418,145
156: 2,418,120
171.5: 2,418,268
180— 18: 2,418,186
54: 2,418,294
66: 2,418,123
181— 0.5: 2,418,136
183— 7: 2,418,339
84: 2,418,381
188— 32: 2,418,279
33: 2,418,435
83: 2,418,147
181: 2,418,288
192— 60: 2,418,292
142: 2,418,351
198— 35: 2,418,365
200— 16: 2,418,363
51: 2,418,130
80: 2,418,373
116: 2,418,359
138: 2,418,384
149: 2,418,171
159: 2,418,222
165: 2,418,329
206— 0.5: 2,418,392
2,418,397
38: 2,418,188
209— 72: 2,418,355
210— 55: 2,418,189
62: 2,418,153
164: 2,418,247
214— 138: 2,418,299
140: 2,418,251
2,418,403
217— 93: 2,418,260
219— 34: 2,418,283
39: 2,418,254
220— 85: 2,418,229
2,418,253
2,418,291
93: 2,418,113
222— 240: 2,418,184
2,418,231
241: 2,418,221
493: 2,418,348

223— 63: 2,418,314
103: 2,418,377
120: 2,418,216
226— 14: 2,418,409
47: 2,418,142
61: 2,418,263
82.4: 2,418,328
127: 2,418,280
228— 23: 2,418,256
229— 5.7: 2,418,367
45: 2,418,248
52: 2,418,350
53: 2,418,371
235— 61: 2,418,238
236— 26: 2,418,388
240— 78: 2,418,131
103: 2,418,195
244— 13: 2,418,380
17: 2,418,274
2,418,407
42: 2,418,273
50: 2,418,325
75: 2,418,301
83: 2,418,369
134: 2,418,174
2,418,205
2,418,262
139: Re.22,859
248— 23: 2,418,332
250— 1.72: 2,418,143
6: 2,418,119
11: 2,418,124
2,418,308
13: 2,418,139
20: 2,418,389
27.5: 2,418,117
2,418,305
2,418,390
36: 2,418,121
2,418,425
49.5: 2,418,228
2,418,432
141: 2,418,317
2,418,321
161: 2,418,349
251— 91: 2,418,404
137: 2,418,360
252— 32.7: 2,418,422
46.3: 2,418,358
144: 2,418,138
210: 2,418,309
253: 2,418,270
254: 2,418,346
272: 2,418,162
317: 2,418,232
253— 14: 2,418,439
254— 7: 2,418,443

254— 187: 2,418,267
257— 239: 2,418,405
246: 2,418,191
260— 9: 2,418,293
28: 2,418,135
78: 2,418,426
195: 2,418,416
242: 2,418,115
249.5: 2,418,336
293: 2,418,289
338: 2,418,297
364: 2,418,318
397.3: 2,418,181
464: 2,418,441
560: 2,418,326
583: 2,418,237
586: 2,418,173
635: 2,418,290
644: 2,418,241
654: 2,418,109
680: 2,418,374
681.5: 2,418,183
683.3: 2,418,255
683.4: 2,418,146
2,418,419
683.5: 2,418,391
262— 33: 2,418,319
272— 13: 2,418,198
57: 2,418,154
273— 136: 2,418,287
274— 38: 2,418,212
275— 8: 2,418,271
280— 33.1: 2,418,240
218: 2,418,368
285— 90: 2,418,298
286— 9: 2,418,194
11: 2,418,185
287— 53: 2,418,396
78: 2,418,164
294— 83: 2,418,111
296— 37: 2,418,178
297— 3: 2,418,150
302— 52: 2,418,302
303— 88: 2,418,440
308— 70: 2,418,219
121: 2,418,245
122: 2,418,313
206: 2,418,196
213: 2,418,322
309— 41: 2,418,243
312— 43: 2,418,227
315— 22: 2,418,133
228: 2,418,159
2,418,160
2,418,161
364: 2,418,437
320— 18: 2,418,141

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,418,111: 294— 83
2,418,113: 220— 93
2,418,126: 68—181
2,418,133: 315— 22
2,418,137: 172—239

2,418,141: 320— 18
2,418,162: 252—272
2,418,178: 296— 37
2,418,183: 260—681.5
2,418,184: 222—240

2,418,202: 49— 89
2,418,221: 222—241
2,418,223: 51—216
2,418,231: 222—240
2,418,267: 254—187

2,418,270: 252—253
2,418,289: 260—293
2,418,298: 285— 90
2,418,317: 250—141
2,418,321: 250—141

2,418,349: 250—161
2,418,358: 252—46.3
2,418,360: 251—137
2,418,368: 280—218
2,418,385: 123—171

2,418,412: 103— 2
2,418,430: 51—205
2,418,437: 315—364

CLASSIFICATION OF DESIGNS

D 3—26: Des. 146,549
D14—18: Des. 146,534
Des. 146,535

D29—23: Des. 146,544
D34—15: Des. 146,542
Des. 146,543

D44— 9: Des. 146,540
D56— 1: Des. 146,547
4: Des. 146,537

D56— 4: Des. 146,548
D57— 1: Des. 146,538
D58—26: Des. 146,536

D64—11: Des. 146,546
D66— 1: Des. 146,545
D67— 3: Des. 146,541

D70— 1: Des. 146,539

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DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE ORSINI

No. 5,251. Decided December 9, 1946

[— F.(2d) —; — USPQ —]

PATENTABILITY—PROCESS OF MANUFACTURING BUILDING ELEMENTS.

Certain claims to a process of manufacturing bricks, blocks, and like building elements *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Messrs. Barry & Cyr (*Mr. Robert E. Barry* of counsel) for Orsini.

Mr. W. W. Cochran for the Commissioner of Patents.

GARRETT, *P. J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the Primary Examiner's rejection of all the claims, numbered 5 to 9, inclusive, of appellant's application for patent for a process of manufacturing bricks, blocks, and like building elements.

At the hearing before us counsel for appellant moved to dismiss the appeal as to claims 5, 6, and 9, which motion will be granted. This leaves to be considered only claims 7 and 8 which read:

> 7. Process of manufacturing bricks, blocks and like building elements, comprising crushing limestone into grains or chips, sifting the grains or chips through several sets of sieves of different widths of meshes, selecting larger or smaller fractions of the sifted grains or chips and admixing them with a Portland cement sludge in such proportion as to obtain a non-flowable mixture in which the grains or chips are coated with a cement film, one-third at least of the said chips being between 4 and 10 mm. in diameter, moulding such mixture under pressure at atmospheric temperature, de-moulding the bricks while still wet and allowing the de-moulded bricks to dry and harden.
>
> 8. Process as claimed in claim 7, wherein the crushed limestone is sifted through sieves of 10 mms., 4 mms., and 3 mms. widths of meshes; the fractions retained by the 4 mms. sieve and passing through the 3 mms. sieve are selected and mixed in a proportion of two parts of the latter for one part of the former; to which mixture of grains or chips is added 80 kgs. of Portland cement for each cubic metre of grains or chips and such quantity of water as to obtain a viscous, non-flowable mixture.

In the brief for appellant before us there is a summarization of the alleged invention reading:

> Recapitulating, it will be observed, in accordance with applicant's process, limestone is crushed to produce two fractions, the first consisting of relatively large grains or chips which will pass through a sieve of 10 mms. width of mesh, but not through a sieve of 4 mms. mesh, and a second fraction of relatively small particles or powder capable of passing through a sieve of 3 mms. width of mesh. One part of the coarse chips or grains is mixed with two parts of the finer powder and then this mixture is admixed with the Portland cement and water; after which the material is moulded, de-moulded, dried and hardened.

Calculations furnished the court by counsel for appellant during the presentation of the case before us gave the English equivalents of the metric terms used in the claims and in the briefs as: 3 mms.=0.12 in.; 4 mms.=0.16 in.; 10 mms.=0.4 in.; and 80 kgs. per cu. metre=135 lbs. per cu. yard.

So, expressing the terms in the English standards of measurement and weight, claim 7 requires that at least one-third of the crushed limestone shall be between one-sixth of an inch and two-fifths of an inch in diameter and claim 8 requires that one-third of the crushed limestone shall be of that size and that the remaining two-thirds shall be less than one-eighth of an inch in diameter. Also, claim 8 provides that after the mixture of the defined sizes is made, one hundred and thirty-five pounds of Portland cement shall be added for each cubic yard of the mixture.

The claims seem to have been finally rejected by the Examiner as presenting nothing patentable over the disclosures of a patent, No. 829,012, issued to Wm. E. Jaques, August 21, 1906, taken with the publication "Cement and Concrete," by one Sabin, paragraph 295, at page 187. The brief of the Solicitor for the Patent Office indicates that the latter publication appeared in 1905. Subsequent to the appeal to the Board and in his statement on the appeal the Examiner added (and the Board considered), as a reference, a reissue patent to Wallace Clement Sabine et al., dated November 23, 1920.

The decision of the Board is brief, being substantially a paraphrase of that of the Examiner with the specific declaration: "* * * we are inclined to agree with the Examiner that the claims do not define a patentable invention for the reasons fully stated by the Examiner in his statement."

The Jaques patent is for improvements in the art of making cementitious products or artificial stone, and the claims, like those of appellant in the instant case, are all method claims. The Examiner said of appellant's process:

> His procedure is the conventional manner of molding wherein the three ingredients are mixed in such proportion that the resulting concrete is harsh and non-flowable i. e. with a zero slump. The mix being then placed in a mold, compressed into bricks, immediately removed from the mold and put in a warm atmosphere to set and cure.

After so stating, the Examiner continued:

> The procedure followed by Jaques is similar in every respect. First he mixes the aggregate (which may be ground rock or sand) with a cement and water slurry to coat the individual grains of aggregate. He then molds the mix by compressing it into a mold. Finally the molded block is removed from the mold "while still wet" and put in a convenient place to harden.

A somewhat more detailed description of the Jaques method, based upon the specification and drawings of the patent, is given in the brief of the

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Solicitor for the Patent Office as follows (record page references omitted):

> According to the method cement and water are first mixed to form a slurry which is then added to sand or ground rock material or any other similar material * * *. After the materials are thoroughly mixed the mixture is placed in the hollow column A and tamped. Since the column is rather high the portion of the material at the bottom thereof will be under pressure due to the weight of the material above. This pressure, while not given in the patent, is said to be sufficient to compact the particles into such juxtaposition to each other as to form a mass which is practically nonporous * * *.
>
> By means of the structure shown near the bottom of Figs. 1 and 2 of the patent, the lowermost portion of the mixture in column A may be pushed out to the side, in the form of a block resting on the pallet 14. The still wet block and pallet are then removed to some convenient place and left to harden * * *. The temperature of hardening is not given and it may be assumed to be ordinary atmospheric temperature.
>
> From what has been said it appears that the method of Jaques is generally similar to that claimed by appellant. Jaques uses crushed stone for the aggregate, mixes it with cement slurry, molds the mass under pressure into blocks, and removes the blocks from the molds while still wet and allows the blocks to dry and harden.

It does not seem to be contended on behalf of appellant that there is any substantial or patentable difference, so far as actual steps are concerned, between his method and that disclosed in the Jaques patent, but, as we understand it, it was and is claimed that invention lies in the use of limestone; particularly in the gradation or sizing of the limestone chips or particles.

The Examiner and the Board took the view that Jaques "ground rock" could be limestone, and there was also cited the "Cement and Concrete" article, paragraph 295 of which reads:

> 295. Presence of Screenings in Broken Stone.—It is frequently required that the broken stone shall be freed from all fine material, resulting from the crushing of the stone, before the mortar is added to form concrete. The wisdom of this requirement is not always clear and depends upon the kind of stone. It has already been stated that some forms of crusher dust or screenings give, if not too fine, most excellent results in mortar; *this is especially true of limestone screenings.* Again, to retain in the broken stone all of the screenings, will result in diminishing the percentage of voids in the aggregate, and thus decrease the amount of mortar necessary. [Italics supplied.]

With respect to the graduated sizes of the grains the Examiner did not regard the range of from 3 to 10 mms. (about ⅛ to ⅖ of an inch) as being "patentably critical."

In discussing that phase of the controversy the Examiner pointed out that the Sabine et al. reissue patent, which relates to sound absorbing material for walls and ceilings, "discloses the use of grains of substantially uniform size in order to produce a block having a high percentage of voids, the grains just passing through a sieve about 12 meshes to the inch, or about 2 mm. in diameter," and also quotes from the "Cement and Concrete" publication, supra, the last clause reading, "* * * to retain in the broken stone all of the screenings, will result in diminishing the percentage of voids in the aggregate, and thus decrease the amount of mortar necessary."

We are not persuaded that the Board erred in affirming the decision of the Examiner.

As has been indicated, the steps taken in appellant's operation do not differ materially from the steps shown in the Jaques patent. So far as the kind of material is concerned, it is true that Jaques does not mention limestone, eo nomine, but surely limestone is embraced within the common meaning of "rock material." The first definition of limestone given in Webster's New International Dictionary is "1. A rock consisting chiefly of calcium carbonate and yielding lime when burned." The Sabin article, of course, is specific to the use of limestone screenings used in the concrete industry, but defines no particular size or sizes. It is indicated that they should not be too fine. Appellant's smallest screening is 3 mms. (about ⅛ inch) in diameter. It was claimed in the argument before us that by the use of the different sizes of chips or particles, defined in the claims, the voids in the aggregate of the block are filled, so that less Portland cement is required than otherwise would be required. Assuming that to be true, it does not lend patentability to the claims for the reason that the selection and commingling of different sizes of rock in making concrete blocks is old in the art, as illustrated by the Sabin article, and obviously smaller chips or grains will fill the voids between larger pieces.

We are not convinced that the particular sizes of the chips or the particular quantity of the Portland cement defined in the claims are critical.

The appeal is dismissed as to claims 5, 6, and 9 and the decision of the Board of Appeals is affirmed as to claims 7 and 8.

Affirmed.

U. S. Court of Customs and Patent Appeals

J. Clayton Cridlebaugh, Doing Business as Marvel Co.

v.

Montgomery Ward & Co., Inc.

No. 5,220. Decided December 9, 1946

[— F.(2d) —; 72 USPQ 135]

1. Trade-Marks—Descriptiveness.

   "In order for a mark to be merely descriptive of the character or quality of goods it is not necessary that it should be descriptive of every charactertistic and quality of such goods."

2. Same—Same.

   The term "Hen Specs," applied by appellant Cridlebaugh to an "anti-picking device" that is fastened to the beak of a chicken and obstructs its forward vision, *Held* clearly descriptive of the form and appearance of that device, and hence of the character of the device.

3. Same—Same.

   "Even if it could be concluded that the term is misdescriptive of Cridlebaugh's device, he has no right to assert exclusive monopoly upon a descriptive term which describes the goods of others or which might fittingly be used by others in advertising and carrying out their business."

Appeal from the Patent Office. **Affirmed.**

Mr. Richard J. Cook (*Mr. Charles R. Allen* of counsel) for J. Clayton Cridlebaugh, doing business as Marvel Co.

Mr. F. P. Keiper for Montgomery Ward & Co., Inc.

Bland, *J.*:

J. Clayton Cridlebaugh, doing business as Marvel Co., has here appealed from a decision of the Commissioner of Patents, 64 USPQ 513, affirming the action of the Examiner of Trade-Mark Interferences in sustaining the petition of Montgomery Ward & Co., Inc., for the cancellation of appellant's

mark. The appellant will be hereinafter referred to as Cridlebaugh and the appellee as Ward.

The trade-mark in controversy, "HEN SPECS," (printed generally throughout the record as "Hen Specs"), was by Cridlebaugh registered in the United States Patent Office on July 2, 1940.

The petition for cancellation, sustained by the Patent Office tribunals as aforesaid, is based, for the most part, upon the premise that the term "HEN SPECS" is either descriptive or misdescriptive of Cridlebaugh's goods.

The mark "HEN SPECS" is by Cridlebaugh applied to a metal device, called an "anti-picking device," to be fastened on the beak of a chicken in such fashion as to present the appearance of the bird wearing spectacles, although Cridlebaugh's device is all solid metal material and completely obstructs the forward vision of the fowl. It is mounted on the fowl's beak by a pin passing through the breather openings of the bird. The portions of the device which obstruct the vision immediately in front of the eyes simulate in shape the two vision portions of a pair of spectacles, and the portion fitting over the beak is rounded as is the intermediate or nose portion of a pair of spectacles.

Fig. 1 below is the drawing of Cridlebaugh's patented device to prevent picking in poultry (being Fig. 3 of Patent No. 2,079,107), and Fig. 2 is Maurice L. Rudolph's patented device for preventing pickouts (being Fig. 2 of Patent No. 2,181,070). Rudolph's device is the one that was at one time exclusively advertised and sold by Montgomery Ward. These drawings are supplied for the purpose of illustrating the appearance of the articles as related to the issue of the mark "HEN SPECS" being descriptive of the character or quality of the articles involved.

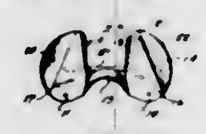


Fig. 1

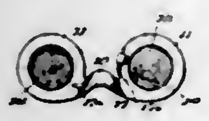


Fig. 2

In support of Ward's petition for cancellation there are many allegations containing interesting facts, most of which we need not consider here. The record discloses much litigation and controversy between the parties hereto concerning the use of the terms "Specs" and "Spectacles" by both parties hereto, and the use of the term "Goggles" by Ward in selling its article, which is quite comparable to that of Cridlebaugh. It is shown in the record that during a portion of the period of controversy and up until a comparatively recent date Ward sold and advertised an anti-picking device for chickens almost identical in shape with that of Cridlebaugh's article except that the so-called blinders contained two openings of transparent red material, which afforded vision to the fowl immediately in front but which, owing to the red color, made it impossible for the chicken to observe blood or red-colored flesh on the other fowls.

Such issues as estoppel and res judicata are raised here, but in view of our conclusion it is only necessary for us to consider the sole question of the descriptiveness of the mark, which consideration forms the basis of the decisions of the Patent Office tribunals.

Cridlebaugh urges that his mark is not descriptive but is merely suggestive; that this is true by reason of the fact that his device does not aid the vision of the chicken but obstructs it, and that the transparent, colored glasses of Ward do not aid vision because the glasses become dirty and consequently opaque.

In section 5 of the Trade-Mark Act of February 20, 1905 (15 U. S. C., 1940 Ed., § 85), it is provided that no mark shall be registered which consists "merely in words or devices which are descriptive of the goods with which they are used, *or of the character or quality of such goods.*" [Italics not quoted.] Section 13 of said act (15 U. S. C., 1940 Ed., § 93) provides that "whenever any person shall deem himself injured by the registration of a trade-mark in the Patent Office he may at any time apply to the Commissioner of Patents to cancel the registration thereof."

[1][2] In order for a mark to be merely descriptive of the character or quality of goods it is not necessary that it should be descriptive of every characteristic and quality of such goods. "HEN SPECS" is clearly descriptive of the form and appearance of Cridlebaugh's article, and this certainly is a characteristic. Being placed in front of the eyes of the chicken it has an effect upon vision, and it is immaterial that it is not the same effect as characterizes most spectacles (although it frequently occurs that one glass of a pair of spectacles is not transparent).

Moreover, as was pointed out by the Examiner, the term "HEN SPECS" is truly descriptive of Ward's goods and the registration of Cridlebaugh presumptively entitles the latter to the exclusive use of the term. The Examiner on this phase of the question said:

> Even aside from this narrow question, the Examiner is of the opinion that the notation is descriptive of other forms of the goods and, likewise, for this reason is unregistrable. (*Ex parte American Chain Company, Incorporated*, 259 O. G. 777, 1919 C. D. 20; *In re Hair Net Packers, Inc.*, 524 O. G. 265, 28 C. C. P. A. 715, F.(2d) 254.)

The same view was taken by the Commissioner and other decisions as equally pertinent as those cited by the Examiner were cited in the Commissioner's decision.

[3] Even if it could be concluded that the term is misdescriptive of Cridlebaugh's device, he has no right to assert exclusive monopoly upon a descriptive term which describes the goods of others or which might fittingly be used by others in advertising and carrying out their business. See ***Model Brassiere Co., Inc.***, v. ***Bromley-Shepard Co., Inc.***, 18 C. C. P. A. (Patents) 1294, 49 F.(2d) 482, 9 USPQ 238.

As to the descriptiveness of the mark, we are in entire accord with the holding of the Circuit Court of Appeals, Third Circuit, in a case involving Cridlebaugh and the inventor and manufacturer of the devices advertised and sold by Ward, ***Cridlebaugh*** v. *Rudolph*, 131 F.(2d) 795, 55 USPQ 386. Cridlebaugh had sued Rudolph for infringement of the "HEN SPECS" trade-mark; the suit involved other issues not important here. The court held the mark invalid on account of its descriptive character and said:

> In this case the word "Specs" is but a figurative description of the plaintiff's articles of manufacture and does not grow out of either the origin or ownership of the goods. The designation, therefore, does not entitle the plaintiff to the exclusive use of the word or its synonyms.

In *In re Hair Net Packers, Inc.*, 28 C. C. P. A. (Patents) 715, 115 F.(2d) 254, 47 USPQ 279, cited by the Examiner, this court had before it a trade-mark application for registration of the word "Professional" as a trade-mark for hair curlers, hair pins, etc. It was argued there that the word was not descriptive because hairdressing was not a profession and that appellant's goods, for the most part, were not used by professionals. There we said:

> The contention that appellant's goods are for the most part used by those who are not professionals is unavailing. This court and other courts have frequently held that as to registrability, it does not help the situation for a trade-mark to be misdescriptive rather than descriptive. This is the view which was entertained by the Trade-Mark Examiner when he stated that a mark was to be regarded as descriptive when it "describes the like goods of others." This court in a number of cases has held to the same effect. It will be sufficient to cite this court's decision in the case of *In re Bonide Chemical Co., Inc.*, 18 C. C. P. A. (Patents) 909, 46 F.(2d) 703, [8 USPQ 297,] which involved the registrability of the term "Crow-Tox" applied to a preparation used in protecting seeds against birds and animals.

In the "Crow-Tox" case, if "Crow-Tox" did not describe a characteristic of appellant's preparation it would fittingly describe that of others that would contain poison and was therefore a descriptive term that was not registrable.

The decision of the Commissioner, for the reasons stated, is affirmed.

Affirmed.

PATENT SUITS

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,687,013, O. A. Frederickson, Armored electric cable; 1,828,772, same, Electrical conductor; 2,222,556, Robinson & Moore, same; 1,798,486, D. H. Murphy, same; 1,863,979, Fullman & Rittelmann, Manufacture of electrical conductors; 2,186,555, G. E. Phillips, Means for marking electrical conductors, D. C., E. D. Mich., S. Div., Doc. 2441, *National Electric Products Corp.* v. *Triangle Conduit & Cable Co., Inc., et al.* Stipulation and order of dismissal without prejudice (notice Feb. 24, 1947).

1,753,796, T. J. Litle, Jr., Refrigeration; Re. 19,778, same, Method of making evaporators; 1,891,728, J. R. Replogle, Refrigerator unit; 1,983,990, L. A. Philipp, Evaporator for refrigerators; 2,098,731, same, Refrigerating apparatus; Re. 20,402, E. D. Misner, Refrigerating apparatus, filed (notice Feb. 27, 1947), D. C., S. D. Ohio, W. Div., Doc. 1560, *Nash-Kelvinator Corp.* v. *The Crosley Corp.*

1,798,486. (See 1,687,013.)

1,801,193, J. M. Darst, Bag closure; 2,107,216, H. L. Rogers, Receptacle and closure therefor, D. C., S. D. N. Y., Doc. 36/583, *Remco Mfg. Co.* v. *Rogers Imports, Inc.* Stipulation of discontinuance (notice Feb. 21, 1947).

1,828,772. (See 1,687,013.)

1,835,845, L. Campbell, Jr., Welding torch; 1,955,846, same, Blowpipe, filed Feb. 14, 1947, D. C., E. D. Mich., S. Div., Doc. 6434, *The Harris Calorific Co.* v. *Weldit, Inc.*

1,863,979. (See 1,687,013.)

1,871,309, E. O. Engels, Flue system for hot gas heated bake ovens; 2,110,209, same, Furnace, filed Feb. 26, 1947, D. C. Conn. (New Haven), Doc. 2024, *Baker Perkins, Inc.*, v. *American Machine & Foundry Co.*

1,891,728. (See 1,753,796.)

1,926,910, J. W. Lynch, Household mixer, suit for declaratory judgment filed Feb. 24, 1947, D. C., N. D. Ill., E. Div., Doc. 47c355, *Dormeyer Corp.* v. *Sunbeam Corp.*

1,955,846. (See 1,835,845.) 1,983,990. (See 1,753,796.)

2,019,140. (See Re. 21,299.)

2,082,730. (See 2,258,573.)

2,086,256, H. G. Cisin, Amplifying circuit, D. C., S. D. N. Y., Doc. 26/27, *Engineering Development Laboratories, Inc.,* v. *RCA.* Consent judgment dismissing complaint (notice Feb. 19, 1947).

2,098,731. (See 1,753,796.) 2,107,216. (See 1,801,193.)

2,110,209. (See 1,871,309.)

2,118,888, Lewis & Menihan, Master copy sheet, C. C. A., 2d Cir., Doc. 20373, *Old Town Ribbon & Carbon Co., Inc.*, v. *Columbia Ribbon & Carbon Mfg. Co., Inc.* "Reversed and remanded" (notice Jan. 6, 1947).

2,169,952, E. D. Holmes, Proportional mixing scale, D. C., N. D. Ga. (Atlanta), Doc. 2432, *The Sherwin-Williams Co.* v. *Zoo-Lac Paint & Lacquer Co.* Claim 1 held valid and infringed, injunction Feb. 7, 1947.

2,186,555. (See 1,687,013.) 2,222,556. (See 1,687,013.)

2,224,412, S. V. Smith, Perforation cleaner for oil wells, D. C., S. D. Calif., C. Div., Doc. 5470–BH, *B & B Oil Tool Co.* v. *McGill Tool Service et al.* Claims 1, 2, 5, 7, 10, 11, 12, and 15 held infringed, injunction Feb. 20, 1947.

2,241,261, G. B. Horn, Transformer, filed Feb. 26, 1947, D. C. N. J. (Newark), Doc. 9776, *Wheeler Insulated Wire Co., Inc., et al.* v. *International Transformer Corp.*

2,245,587, W. J. Hughes, Liquid treating apparatus, filed Feb. 25, 1947, D. C., N. D. Ill., E. Div., Doc. 47c363, *Infilco, Inc.* v. *The American Well Works.*

2,258,573, A. A. Johnson, Manifolding pack; 2,082,730, C. W. Brenn, Manifolding device, D. C. Ohio (Dayton), Doc. 522, *Autographic Register Co.* v. *The Egry Register Co.* Dismissed Feb. 18, 1947.

2,258,803, J. S. Peles, Birdproofing, filed Feb. 24, 1947, D. C., S. D. N. Y., Doc. 40/370, *Building Maintenance Corp.* v. *Stanley's Roofing and Building Service, Inc., et al.*

2,268,766, R. Monroe, Window lock, filed Feb. 24, 1947, D. C., S. D. Tex. (Houston), Doc. 2547, *J. B. Ferrata* v. *R. Monroe.*

2,324,241, A. O. Schoeninger, Basket weave bracelet, filed Feb. 13, 1947, D. C., S. D. N. Y., Doc. 40/233, *Forstner Chain Corp.* v. *Mesh Chain Co.*

2,369,415, E. B. Sherman, Method of repairing cracked cylinder heads and blocks, C. C. A., 4th Cir., Doc. 5550, *A. Anthony et al.* v. *E. B. Sherman.* Judgment reversing judgment of district court Feb. 17, 1947.

Re. 19,778. (See 1,753,796.)

Re. 20,402. (See 1,753,796.)

Re. 21,299 (of 019,140), R. C. Osterstrom, Oil purifying system, D. C., S. D. N. Y., Doc. 38/491, *Cooper's, Inc.,* v. *Arrow Knitting Mills.* Consent judgment, sustaining patent, adjudging infringment, and granting injunction (notice Feb. 14, 1947).

Des. 140,682, M. Stuart, Toy, filed Feb. 20, 1947, D. C., S. D. N. Y., Doc. 40/318, *Mistletoe Plastics Co.* v. *Plastic Playthings, Inc.*

TRADE-MARK REGISTRATIONS CANCELED

37,359. Toilet and laundry soaps. Swift and Company, Chicago, Ill. Registered Nov. 26, 1901. Canceled Jan. 28, 1947.

225,426. Vegetable oil. Corn Product Refining Company, New York, N. Y. Registered Mar. 15, 1927. Canceled Jan. 28, 1947.

264,085. Preparation for the relief of stomach disorders. L. Heumann & Company, Inc., New York, N. Y. Registered Nov. 19, 1929. Canceled Feb. 11, 1947.

276,380. Hunting coats and hunting pants. Alward-Anderson-Southard Co., Chicago, Ill. Registered Oct. 21, 1930. Canceled Jan. 28, 1947.

303,748. Candy, dry milk, evaporated milk, etc. L. Heumann & Company, Inc., New York, N. Y. Registered June 6, 1933. Canceled Feb. 11, 1947.

311,430. Herbs and mixtures of herbs, extracts, compounds, etc. L. Heumann & Company, Inc., New York, N. Y. Registered Mar. 20, 1934. Canceled Feb. 11, 1947.

332,775. Condiments. Howard W. Miller, Pittsburgh, Pa. Registered Feb. 25, 1936. Canceled Jan. 28, 1947.

373,415. Moth cakes. Odora Company, Inc., New York, N. Y. Registered Dec. 5, 1939. Canceled Feb. 11, 1947.

379,108. Anti-picking devices for poultry in the nature of a guard. J. Clayton Cridlebaugh, doing business as Marvel Co., Arcadia, Calif. Registered July 2, 1940. Canceled Feb. 11, 1947.

387,462. Prepared chemicals, used in impregnating materials (such as fabrics, carpets, draperies, etc.). No-Flame Chemical Corporation, Los Angeles, Calif. Registered May 13, 1941. Canceled Feb. 11, 1947.

417,960. Outer garments—namely, shirts and jackets. F. W. Bryant, doing business as The F. W. Bryant Company, Hanover, N. J. Registered Nov. 20, 1945. Canceled Feb. 11, 1947.

419,253. Coal and washed coal. Norton Coal Corporation, Nortonville, Ky. Registered Feb. 5, 1946. Canceled Jan. 14, 1947.

419,955. Raw mica and mica in sheets, blocks and slabs. Ford Radio & Mica Corporation, Brooklyn, N. Y. Registered Mar. 12, 1946. Canceled Feb. 11, 1947.

420,503. Artists' brushes. Delta Brush Mfg. Corp., New York, N. Y. Registered Apr. 16, 1946. Canceled Feb. 11, 1947.

424,858. Asphalt roofing paper. Windsor-Lloyd Products, Inc., Philadelphia, Pa. Registered Oct. 29, 1946. Canceled Feb. 11, 1947.

NOTICES

Notice of Cancellation

U. S. Patent Office, *Washington, D. C., Mar. 4, 1947.*

Georges Gay, his assigns or legal representatives, take notice:

A cancellation proceeding has been instituted by this Office upon the application of John T. Stanley Co., Inc., 642 West 80th St., New York, N. Y., to effect the cancellation of trade-mark registration of Georges Gay, No. 294,685, dated June 7, 1932. The assignment records of this Office show a transfer of title to this registration to Maurice Levy, 120 West 42nd St., New York, N. Y., who has been substituted for said Gay to defend the registration concerned. It is indicated upon the record on behalf of the assignee that M. Dunan, 56 Rue de L'Universite, Paris, France, is the present owner of registration No. 294,685. The Office has been unable to procure service upon said M. Dunan. Notice is hereby given that unless said Gay, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the Official Gazette for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

The following patents have been offered for licensing on reasonable terms by the Nash-Kelvinator Corp.

This series of patents refers to the construction of compact refrigerating units, principally for domestic use which provide more effective and rapid freezing and uniform cooling. A majority of the patents relate to methods of fabricating an evaporating unit shaped to serve as a storage chamber or ice tray receptacle. This unit comprises a pair of nested metal casings welded at the edges and at various spaced intervals or corrugated to form integral expansion chambers for the circulation of a refrigerant. Other patents show the positioning of the refrigerant tank enabling the liquid level of the refrigerant in the expansion chamber to be adjusted, the provision of heat absorbing fins to increase heat transfer characteristics of the evaporator, and numerous coil arrangements. Automatic operation of the freezing units is, in many cases, effected upon insertion of a warm tray. Among these patents are refrigerating units (1,763,754 and 2,013,515) particularly adapted for display cases, butcher counters, and a portable cooling unit (1,823,002 and 1,823,004) for installation in cold storage rooms, etc. Detailed information may be procured by addressing Ralph E. Baker, Patent Dept., Nash-Kelvinator Corp., 14250 Plymouth Road, Detroit 32, Mich. Groups 33—71; 35—84. Reg. Nos. 5,288–5,337.

Re. 18,851. Mechanical Refrigerating Evaporator. Reissued May 30, 1933. Original Pat. No. 1,833,846, dated Nov. 24, 1931.

Re. 18,633. Expansion Chamber for Refrigerating Mechanisms. Reissued Oct. 18, 1932. Original Pat. No. 1,817,202, dated Aug. 4, 1931.

Re. 20,388. Evaporator for Refrigerators. Reissued June 1, 1937. Original Pat. No. 1,893,338, dated Jan. 3, 1933.

Re. 20,402. Refrigerating Apparatus. Reissued June 8, 1937. Original Pat. No. 1,918,818, dated July 18, 1935.

Pat. 1,753,796. Refrigeration. Patented Apr. 8, 1930.

Pat. 1,753,802. Refrigerating Apparatus. Patented Apr. 8, 1930.

Pat. 1,753,943. Refrigerating Apparatus. Patented Apr. 8, 1930.

Pat. 1,757,062. Mechanical Refrigeration. Patented May 6, 1930.

Pat. 1,759,513. Refrigerator. Patented May 20, 1930.

Pat. 1,763,754. Expansion Element. Patented June 17, 1930.

Pat. 1,779,284. Refrigerating Apparatus. Patented Oct. 21, 1930.

Pat. 1,781,193. Refrigerating Apparatus. Patented Nov. 11, 1930.

Pat. 1,785,576. Refrigerating Mechanism. Patented Dec. 16, 1930.

Pat. 1,805,787. Mechanical Refrigeration. Patented May 19, 1931.

Pat. 1,810,569. Refrigeration Apparatus. Patented June 16, 1931.

Pat. 1,823,002. Refrigerating Unit. Patented Sept. 15, 1931.

Pat. 1,823,004. Refrigerating Unit. Patented Sept. 15, 1931.

Pat. 1,826,308. Refrigerator. Patented Oct. 6, 1931.

Pat. 1,842,995. Refrigerating System. Patented Jan. 26, 1932.

Pat. 1,878,284. Evaporator for Refrigerators. Patented Sept. 20, 1932.

Pat. 1,878,285. Refrigerator Evaporator and Temperature Control Therefor. Patented Sept. 20, 1932.

Pat. 1,878,301. Temperature Controlling Device for Refrigerating Machines. Patented Sept. 20, 1932.

Pat. 1,891,728. Refrigerator Unit. Patented Dec. 20, 1932.

Pat. 1,893,341. Evaporator for Refrigerators. Patented Jan. 3, 1933.

Pat. 1,893,378. Cooling Unit. Patented Jan. 3, 1933.

Pat. 1,896,412. Evaporator for Refrigerators. Patented Feb. 7, 1933.

Pat. 1,927,510. Cooling Unit for Refrigerating Apparatus. Patented Sept. 19, 1933.

Pat. 1,943,557. Heat Exchange Device. Patented Jan. 16, 1934.

Pat. 1,945,103. Evaporator. Patented Jan. 30, 1934.

Pat. 1,951,657. Refrigerant Vaporizer. Patented Mar 20, 1934.

Pat. 1,960,796. Refrigerant Evaporator. Patented May 29, 1934.

Pat. 1,968,048. Evaporator for Refrigerators. Patented July 31, 1934.

Pat. 1,982,429. Cooling Unit. Patented Nov. 27, 1934.

Pat. 1,983,990. Evaporator for Refrigerators. Patented Dec. 11, 1934.

Pat. 1,987,707. Freezing Coil. Patented Jan. 15, 1935.

Pat. 1,996,808. Refrigerating Apparatus. Patented Apr. 9, 1935.

Pat. 2,001,872. Cooling Unit. Patented May 21, 1935.

Pat. 2,013,515. Refrigerating Apparatus. Patented Sept. 3, 1935.

Pat. 2,013,516. Refrigerating Apparatus. Patented Sept. 3, 1935.

Pat. 2,013,521. Refrigerating Apparatus. Patented Sept. 3, 1935.

Pat. 2,021,924. Refrigerating Apparatus. Patented Nov. 26, 1935.

Pat. 2,079,349. Refrigerating Apparatus. Patented May 4, 1937.

Pat. 2,098,731. Refrigerating Apparatus. Patented Nov. 9, 1937.

Pat. 2,109,199. Refrigerating Apparatus. Patented Feb. 22, 1938.

Pat. 2,115,120. Refrigerating Apparatus. Patented Apr. 26, 1938.

Pat. 2,206,999. Refrigeration. Patented July 9, 1940.

Pat. 2,297,633. Refrigerating Apparatus. Patented Sept. 29, 1942.

Pat. 2,325,705. Refrigerating Apparatus. Patented Aug. 3, 1943.

Pat. 2,325,706. Refrigerating Apparatus. Patented Aug. 3, 1943.

Pat. 2,401,793. Refrigerating Apparatus. Patented June 11, 1946.

Pat. 1,814,632. Riveting Machine. Patented July 14, 1931. Machine operates by pressure rather than by impact, the riveting plunger performing its function in a single movement rather than in the usual manner of repeatedly striking the rivet. An independently operable vise mounted adjacent the main portion of the machine holds the work being acted upon by the riveting plunger. The structure may be made in any shape, as a portable machine, etc. Operation, according to the inventor, is practically silent. (Owner) Solar Aircraft Co., 2200 Pacific Highway, San Diego 12, Calif. Group 35—42. Reg. No. 5,338.

Pat. 2,012,962. Air Cleaner for Internal Combustion Engines. Patented Sept. 3, 1935. Air filter of the wetted screen type utilizes a continuous flow of oil from the engine crankcase. The dust laden oil is also filtered before being returned to crankcase. The filter, of elongated substantially cylindrical shape, is installed in vertical position. A regulated amount of oil from the usual oil pump is diverted into a dish inside top of filter. Incoming air atomizes the oil, and the mixture travels downwardly through a series of spaced, inverted conical filter units. The filtered air then travels upwardly between an inner and outer shell and out through a pipe of the filter. The dust laden oil flows downwardly through a tube into a sediment bulb at the bottom of the filter and is then forced upwardly into a separate chamber where it is filtered and returned to crankcase. (Owner) Solar Aircraft Co., 2200 Pacific Highway, San Diego 12, Calif. Groups 35—84; 38—31. Reg. No. 5,339.

Pat. 2,141,277. Interference Eliminator. Patented Dec. 27, 1938. A shock-proof electrical means for eliminating static, caused naturally or by machinery, power-currents, or the like, all of which produce audible noise currents at various frequencies. Basically, the patent describes the use of two filters having similar attenuation characteristics and a substantially uniform response at most frequencies, particularly at their fundamental resonance points. The undesired currents are largely absorbed by the filter units and converted into currents of lower resonant frequencies which can then be balanced out. (Owner) Solar Aircraft Co., 2200 Pacific Highway, San Diego 12, Calif. Group 36—61. Reg. No. 5,340.

Pat. 2,188,556. Radio Compass System. Patented Jan. 30, 1940. The operation of this compass does not depend upon directive antenna so that at ultra high frequencies it is not subject to the deficiencies of loop antennas generally used in "homing" type radio compass systems. In general, the compass comprises a symmetrical pair of spaced non-directional antennas and a receiving set having means for switching its input terminals alternately from one antenna to the other at frequencies less than those adapted to be received by the antennas. An indicator is connected to the output terminals of the receiver and responds only to currents of the frequency of the switching mechanism, etc. Particularly adapted for use with aircraft. Modifications recited in patent. (Owner) Solar Aircraft Co., 2200 Pacific Highway, San Diego 12, Calif. Groups 36—61; 39—11. Reg. No. 5,341.

Pat. 2,231,512. Clamp. Patented Feb. 11, 1941. A band-type clamp, particularly useful in securing the ends of adjacent conduits together. The clamp consists of a split sleeve to which a pair of yokes are welded to receive a bolt and nut which serve as tightening means. Fabricated of sheet metal. (Owner) Solar Aircraft Co., 2200 Pacific Highway, San Diego 12, Calif. Group 35—69. Reg. No. 5,342.

Pat. 2,240,042. Air Cleaner. Patented Apr. 29, 1941. A wet-type gas cleaner for separating dust from air drawn into the intake manifold of an internal combustion engine, air compressor or the like. Gas is first passed through a relatively coarse, substantially vertical screen over which a continuous stream of oil flows. Most of the liquid and wetted dust within the gas stream is removed by centrifugal force as a result of shifting the flow of direction of the wetted gas. As a final cleaning action, the gas stream contacts gimp or other precipitating material, which, because of the preliminary cleaning, may be relatively thin so that an excessive pressure drop in the gas stream is not introduced. (Owner) Solar Aircraft Co., 2200 Pacific Highway, San Diego 12, Calif. Group 38—31. Reg. No. 5,343.

Pat. 2,249,822. Air Cleaner. Patented July 22, 1941. Filter of the wetted screen type is particularly useful for internal combustion engines, but may be adapted for other air conditioning purposes. A cylindrical casing enclosing the filter has an inverted conical lower end with a sump at the bottom. A spaced inner casing has cut-out V portions forming an annular row of tapering fingers. Another similarly shaped row of fingers projects laterally outwardly and downwardly from this inner casing. Oil pumped by vacuum into a trough near top of filter overflows and saturates oil filtering mediums between the casings and then drips down onto the conical surface of the outer casing. Incoming air travels downwardly past the edge of the trough, through the filtering mediums and strikes the fingers, which deflect a major portion of the air outwardly and downwardly causing turbulence and scrubbing action on the conical surface of the outer casing. The air then travels upwardly through other filtering mediums and out through the filter. Dust laden oil gravitates into the sump. (Owner) Solar Aircraft Co., 2200 Pacific Highway, San Diego 12, Calif. Groups 35—84; 38—31. Reg. No. 5,344.

Pat. 2,250,652. Toilet. Patented July 29, 1941. Particularly adapted for airplanes or vehicles or for use where no water supply or sewer connection is available. Consists of a replaceable, multiple-compartment waterproof paper bag, folded or plaited to permit expansion of each compartment to the width of the seat opening of the commode-like receptacle which supports the bag. By lifting the seat so that one of the adhesive coated flaps is brought forward and folded, the compartment last used is collapsed and at the same time effectively sealed. Use of the device does not require a disinfecting or deodorizing solution. (Owner) Solar Aircraft Co., 2200 Pacific Highway, San Diego 12, Calif. Group 26—52—99. Reg. No. 5,345.

Pat. 2,252,140. Boiler. Patented Aug. 12, 1941. This compact boiler is particularly fitted for heating aircraft cabins. A common casing encloses a pair of boiler shells which together define a steam and water chamber. The inner shell is helically corrugated to provide strengthening means as well as a passage for the downward circulation of water. The inner shell also defines a flue for the hot gases which rise from the burner position below, the flue being crossed by a number of water tubes. In operation the water tubes become highly heated, converting the water within the tubes into steam. The steam is discharged into a large upper space between the shells so that it can be led off. The boiler is automatically controlled and has a high heating capacity for its size and weight. (Owner) Solar Aircraft Co., 2200 Pacific Highway, San Diego 12, Calif. Groups 33—69; 37—22. Reg. No. 5,346.

Pat. 2,270,403. Fastener Construction. Patented Jan. 20, 1942. A well-known fastener for securing two sheet metal members together includes a screw-cam riveted or bolted to a cooperating spring rod. These parts bear against each other and thus hold the sheets together. The usual construction makes it impossible to replace broken parts, necessitates accurately aligned rivet holes, etc. These disadvantages are overcome by providing an auxiliary plate spot welded to the underside of one of the sheets. Pockets are formed in the plate to loosely receive the spring ends, permitting limited lateral movement so that the fastener is self-adjusting. (Owner) Solar Aircraft Co., 2200 Pacific Highway, San Diego 12, Calif. Group 33—73. Reg. No. 5,347.

Pat. 2,324,629. Rotary Air Cleaner. Patented July 20, 1943. Filter of the wetted screen type is particularly suitable for internal combustion engines. The rotor, enclosed in a substantially cylindrical casing having a cover, has an annular chamber at its bottom constituting an oil reservoir. A substantially inverted cone-shaped filter of the screen type is attached to the overhanging edge of the dome of the rotor. Centrifugal force causes a continuous flow of oil outwardly through the filter, part of which is sprayed into the path of the air. Inflowing air follows a tortuous path downwardly between the edge of the dome and casing, upwardly through the screen filter, strikes the underface of the dome, and then curves downwardly through an inwardly projecting discharge pipe. Oil collecting on the undersurface of the dome is thrown back into the path of the air before it passes through the screen filter. Rotor may be driven by the inflowing air or by motor. (Owner) Solar Aircraft Co., 2200 Pacific Highway, San Diego 12, Calif. Groups 35—84; 38—31. Reg. No. 5,348.

Pat. 2,328,271. Clamping Tool. Patented Aug. 31, 1943. This clamping tool is particularly useful in holding flanged sheet metal parts together during welding operations, etc. In addition to the usual plier structure the tool has a pivotally supported auxiliary member which is positioned at an angle to the faces of the plier jaws. The auxiliary member includes a work engaging plate which may be manually adjusted by a handle positioned below the level of the plier handles. When used to hold a pair of flanges together, the third, or auxiliary face functions to align the flanges held together by the plier jaws. (Owner) Solar Aircraft Co., 2200 Pacific Highway, San Diego 12, Calif. Group 33—52. Reg. No. 5,349.

Pat. 2,359,511. Depth Gauge. Patented Oct. 3, 1944. A comparatively light device for limiting the penetration of a machine tool performing countersinking operations on work pieces. A vertical leg is clamped to the spindle of the tool holder and slidably received in a guide hole of a horizontal block fixed to the work supporting shelf of the machine tool. A bifurcated foot, braced to the leg, rests on the work piece and straddles the drill. In addition to its lightness, an advantage of the structure is that pressure of said foot against the work cannot deflect the leg laterally should the operator apply too much pressure thus preventing the drill from forcing itself beyond the desired penetration. (Owner) Solar Aircraft Co., 2200 Pacific Highway, San Diego 12, Calif. Group 35—43. Reg. No. 5,350.

Pat. 2,385,587. NIBBLER. Patented Sept. 25, 1945. These nibblers differ from the conventional power operated shears in that they are not limited to cutting flat sheet metal stock. The cutters are relatively small, with fixed and movable shears so mounted that the cutting plane is at an angle to the axis interconnecting the two heads. To achieve limited dimensions, the movable shear is mounted on the outer end of a rocker arm having a pivotal axis parallel to, but spaced from, the shear plane. The rocker arm can be oscillated in any desired manner making the nibbler capable of receiving curved work of small radius without interfering with the head structure. (Owner) Solar Aircraft Co., 2200 Pacific Highway, San Diego 12, Calif. Group 35—43. Reg. No. 5,351.

Pat. 2,387,708. SPILL FOR AIRCRAFT. Patented Oct. 30, 1945. This spill structure for exhaust gases comprises a miniature air-foil mounted on the skin of the aircraft fuselage or wing in spaced relation to the discharge orifice. The spill functions to produce a Venturi passage through which a portion of the slip stream passes. Suction may be varied by altering the length of the struts which support the spill. (Owner) Solar Aircraft Co., 2200 Pacific Highway, San Diego 12, Calif. Group 37—21. Reg. No. 5,352.

Pat. 2,394,187. CLIP FORMING AND ASSEMBLY TOOL. Patented Feb. 5, 1946. Tool for folding a strip of ribbon around a bar element which may form a portion of a yoke (e. g. attaching a buckle to a strap). A transversely slotted base has a swingable connected lever. In use the bar of the yoke member is laid across the strip and placed on the base just above the slot so that it contacts the work engaging surface of the lever. The bar and strip are pressed into the slot by movement of the lever in one direction so that the strip is doubled around the bar. The folded strip is pressed together by a bolt when the lever is swung in the opposite direction. A finished clip is lifted out of the tool when the lever is released. (Owner) Solar Aircraft Co., 2200 Pacific Highway, San Diego 12, Calif. Group 39—99. Reg. No. 5,353.

Pat. 2,400,978. TORQUE INDICATING TOOL. Patented May 28, 1946. Hollow tool handle carries a shaft having a screw driver bit or wrench at one end and a flat leaf torsion spring at the other. A dial mounted on the handle registers the torque applied. The dial may be calibrated to register torque applied in either direction. (Owner) Solar Aircraft Co., 2200 Pacific Highway, San Diego 12, Calif. Group 33—52. Reg. No. 5,354.

Pat. 2,407,010. ADAPTER HEAD FOR WELLS. Patented Sept. 3, 1946. An adapter head for use in connection with a two-pipe, jet deep well which eliminates the use of packing glands, brass fittings and well caps. The adapter is used between a pump having the usual suction and pressure pipes and a well having a combination of inner and outer pipes sealed by a jet unit. In ordinary practice these pipes are connected by elbows and other fittings. The disadvantage of this construction is that during installation there is danger that the pipes may drop into the well and that it is often difficult to service the jet unit after installation has been made. The present adapter head is comprised of two parts: an internally threaded base which covers the well casing and which supports the outer pipe, and an upper portion supporting the inner pipe. The upper portion is detachably mounted to the base so that it may be turned to align the adapter to the pump without moving or raising the base. (Owner) L. C. Hudson, Box 33, Big Prairie, Ohio. Group 35—69. Reg. No. 5,355.

Pat. 2,409,440. RIVET SORTING MACHINE. Patented Oct. 15, 1946. Machine is particularly useful for sorting aluminum and other expensive types of rivets. A rotating cylinder and an inclined plate are mounted in the housing of the machine above its center, and both extend the full length of the housing. The cylinder throughout its length is provided with a series of spirally arranged slots through which the ends of spring-loaded, flexible dogs project, the dogs being mounted within the cylinder. The lower edge of the inclined plate is adjustably spaced from the cylinder. Rivets from a rotating drum outside the machine are fed at the proper rate into one side of the machine. The rivets are agitated continuously by the dogs to cause the smallest ones to fall through the slot between the edge of the plate and cylinder and gradually shift the remaining rivets longitudinally towards the opposite side of the machine where they fall according to diameter through progressively wider slots formed by cutting away edge portions of the inclined plate. (Owner) Waite McClain, 326 23d St., N. W., Canton 3, Ohio. Group 35—59—69. Reg. No. 5,356.

Pat. 2,408,956. HORN WEIGHT. Patented Oct. 8, 1946. Self-adjusting weight to be clamped around the ends of the horns of cattle to shape the growing horns without binding or injury. The opposed faces of a pair of sections comprising the weight are vertically recessed, the central portion of the recess forming a substantially inverted bulb-like recess when the sections are clamped together. Part of the animal's horn is taped to fit snugly into the bulb-like recess. An inverted U-shaped clip of spring wire straddles and clamps the sections together. The legs of the clip fit into channels of the sections while the opposed hook ends fit into keeper slots countersunk in the channels. (Owner) Fred Romain, Chester, Mont. Group 35—22. Reg. No. 5,357.

Pat. 2,334,221. POWER TRANSMISSION APPARATUS. Patented Nov. 16, 1943. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) The situation often arises when one wheel of a vehicle spins while the others remain stationary on muddy or slippery streets. This patent shows a clutch mounted within a differential housing which, by means of centrifugal force, becomes operable, causing the stationary wheels to rotate and apply traction. The clutch includes a weighted friction member and weights connected to pairs of toggles all mounted to rotate freely with the idler gear of the differential. Increased spinning of the idler causes the friction member to engage another member mounted against rotation of the idler gear. This results in a braking action on the idler gear which automatically imparts rotation to the stationary wheels. (Owner) John F. Schmidt, 1403-6 Ford Bldg., Detroit 26, Mich. Group 38—31. Reg. No. 5,358.

TRADE-MARKS

OFFICIAL GAZETTE, APRIL 1, 1947

[VOL. 597. No. 1]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

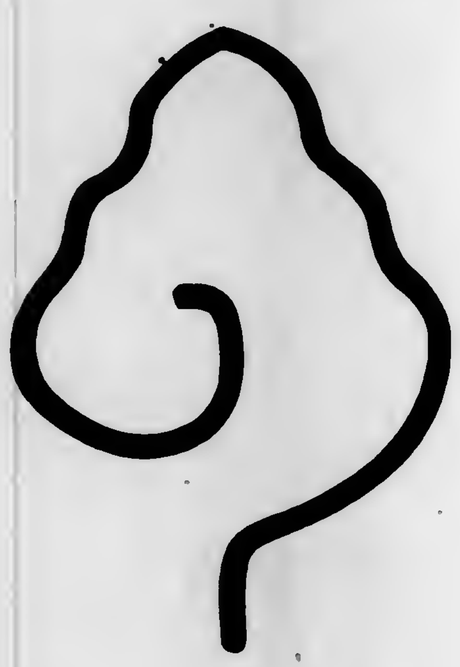
Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

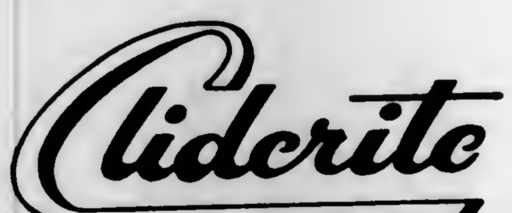
RAW OR PARTLY PREPARED MATERIALS

Ser. No. 494,062. GRAFE-CALLAHAN CONSTRUCTION Co., Los Angeles, Calif. Filed Dec. 29, 1945.



FOR CATTLE.
Claims use since Apr. 20, 1945.

Ser. No. 495,567. ERNST BISCHOFF COMPANY, INC., Ivoryton, Conn. Filed Jan. 29, 1946.

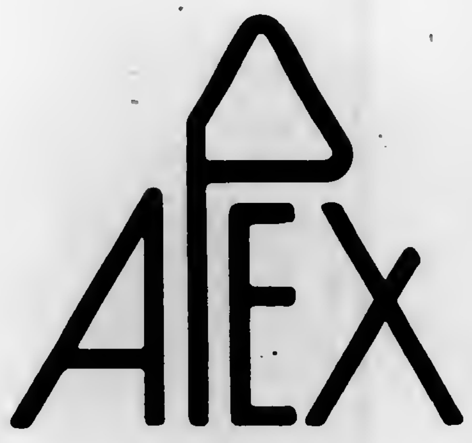


FOR THERMO-PLASTIC POTTING COMPOUND, IN THE NATURE OF A WAX-LIKE COMPOUND WHICH BECOMES PLASTIC UPON FURTHER TREATMENT, AND USED AS A SEALING COMPOUND, HEAT INSULATOR, MOLDING COMPOUND, CASTING RESIN, AND WHICH HAS OTHER USES IN THE INDUSTRIAL ARTS.
Claims use since Oct. 11, 1945.

CLASS 2

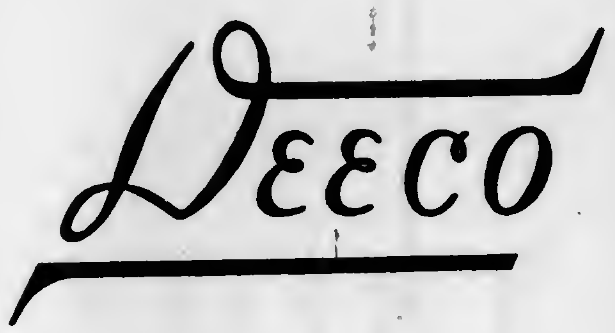
RECEPTACLES

Ser. No. 505,829. AGRICULTURAL PETROLEUM EQUIPMENT CORPORATION, Chicago, Ill. Filed July 10, 1946.



FOR SERVICE UNITS CONSISTING OF METAL DRUMS AND/OR TANKS FOR STORING AND DISPENSING MOTOR FUEL AND LUBRICANTS.
Claims use since June 21, 1946.

Ser. No. 505,739. DEVELOPMENT ENGINEERING CORPORATION, Newark, N. J. Filed July 17, 1946.

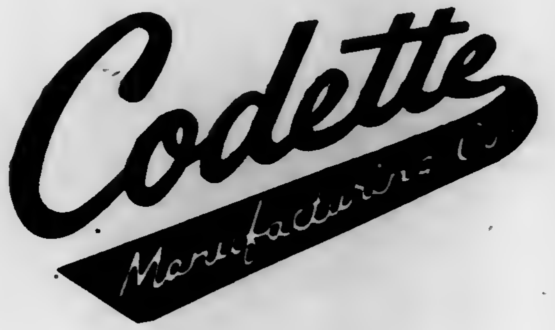


FOR PLASTIC BABY FEEDING SET CONSISTING OF A DISH AND TUMBLER.
Claims use since June 15, 1946.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 508,575. The Codette Manufacturing Company, Baltimore, Md. Filed Sept. 6, 1946.

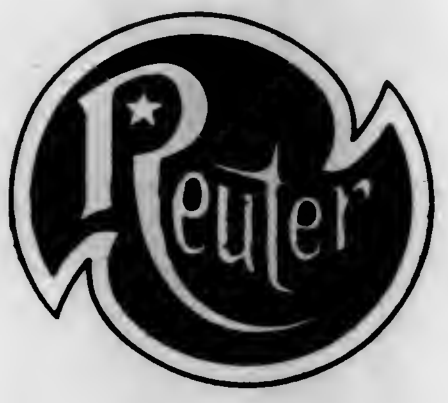


The words "Manufacturing Co." are disclaimed apart from the mark.
FOR LADIES' HANDBAGS.
Claims use since May 1940.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 484,306. Lanman & Kemp-Barclay & Co. Incorporated, New York, N. Y. Filed June 8, 1945. Under section 5b of the act of 1905 as amended in 1920.



FOR SOAP.
Claims use since 1880 as to the word "Reuter;" and since Sept. 23, 1924, in its present form.

Ser. No. 491,306. American Industrial Co., Inc., Indianapolis, Ind. Filed Nov. 9, 1945.

TRIOX

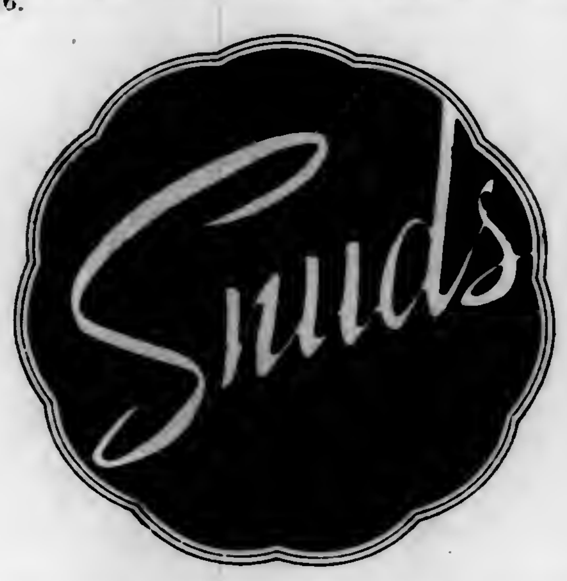
FOR SOAPLESS CLEANING COMPOUNDS FOR GENERAL HOUSEHOLD AND INDUSTRIAL USE.
Claims use since Apr. 1, 1944.

Ser. No. 500,319. Organic Chemical Co., Providence, R. I. Filed Apr. 16, 1946.

WOOL FLUF

The word "Wool" is disclaimed apart from the mark.
FOR DETERGENT SOAPS.
Claims use since Mar. 1, 1946.

Ser. No. 501,738. Help, Inc., Chicago, Ill. Filed May 9, 1946.



FOR SUDSING CLEANER, CLEANSER, AND DETERGENT.
Claims use since September 1942.

Ser. No. 502,405. The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Filed May 18, 1946.

MC-1

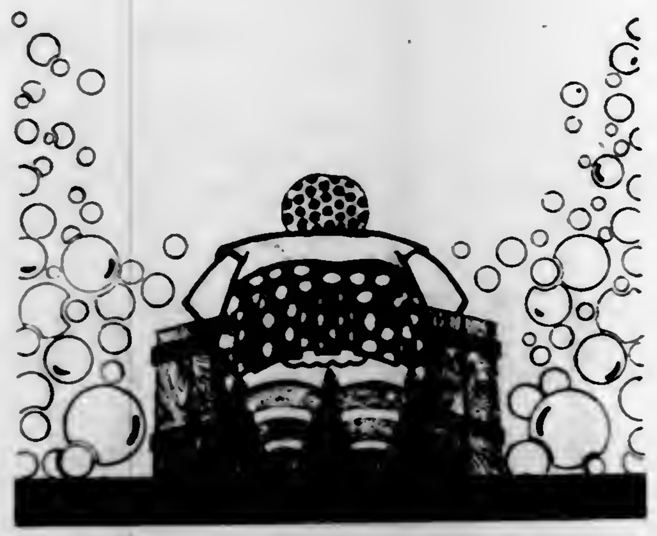
FOR WASHING POWDER—NAMELY, A GENERAL PURPOSE CLEANER.
Claims use since December 1944.

Ser. No. 503,302. Manhattan Soap Company, Inc., New York, N. Y. Filed June 5, 1946.

bubs

FOR SOAPLESS DETERGENT IN POWDER FORM FOR CLEANSING PURPOSES.
Claims use since May 31, 1946.

Ser. No. 503,575. K. C. Working Chemical Co., Los Angeles, Calif. Filed June 10, 1946.



FOR GRANULATED SOAP.
Claims use since March 1939.

Ser. No. 511,705. The Temple Products Company, Washington, D. C. Filed Oct. 29, 1946.

BEAVER

FOR BRUSHLESS SHAVING CREAM.
Claims use since Oct. 16, 1946.

CLASS 5

ADHESIVES

Ser. No. 495,780. Holyoke Belting Company, Holyoke, Mass. Filed Jan. 30, 1946.

Submarine

FOR BELT CEMENT AND REDUCER THEREFOR.
Claims use since Mar. 1, 1910.

Ser. No. 507,847. The Resinous Products & Chemical Company, Philadelphia, Pa. Filed Aug. 22, 1946.

AMBERLITE

Applicant is the owner of United States registrations Nos. 257,757 and 390,787, for "Amberlite," registered June 18, 1929, and Oct. 7, 1941, respectively.
FOR SYNTHETIC RESINOUS MATERIALS AND SOLUTIONS THEREOF SUITABLE FOR BONDING WOOD SURFACES TOGETHER.
Claims use since December 1940.

Ser. No. 514,644. The Brunswick-Balke-Collender Company, Chicago, Ill. Filed Dec. 21, 1946.

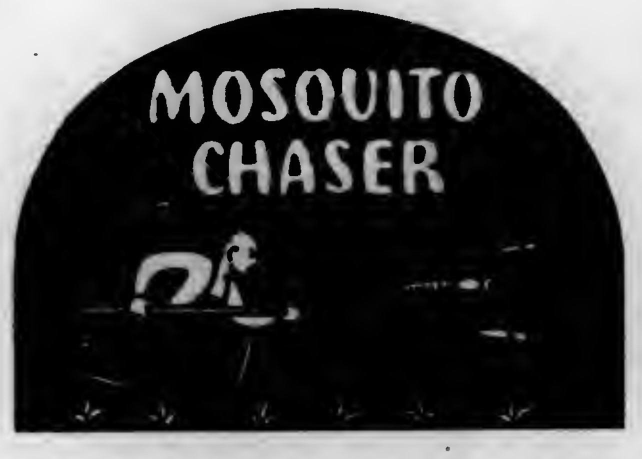
Ten-Sol

FOR GLUE.
Claims use since Sept. 19, 1946.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 475,426. Edward H. Hufnagel, doing business as Norma Chemical Company, Mount Vernon, N. Y. Filed Oct. 18, 1944.



Applicant makes no claim of exclusive rights in the word "Mosquito" except as used in combination with other elements of the trade-mark as shown.
FOR INSECT REPELLENT FOR APPLICATION AS A LOTION TO EXPOSED PORTIONS OF THE SKIN.
Claims use since Apr. 3, 1944.

Ser. No. 478,386. Paul John Gundlach, doing business as Fremont Products Company, Lakewood and Cleveland, Ohio. Filed Jan. 8, 1945.

FRE-BETA

The drawing is lined for shading purposes only. Applicant disclaims the word "Beta" apart from the mark shown.
FOR VITAMIN PREPARATION.
Claims use since Dec. 9, 1944.

Ser. No. 480,682. Vestal Chemical Company, St. Louis, Mo. Filed Mar. 8, 1945.

STAPHENE

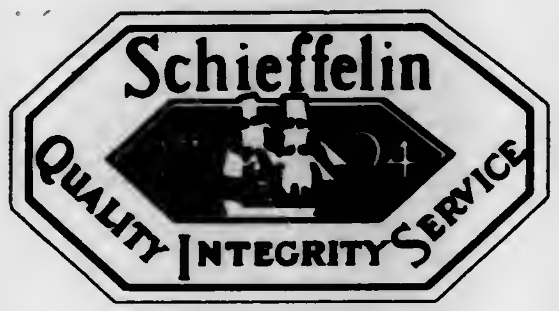
FOR DISINFECTANTS, GERMICIDES, AND ANTISEPTICS.
Claims use since Aug. 24, 1938.

Ser. No. 484,591. The Richmond Chemical Company, Inc., Tulsa, Okla. Filed June 15, 1945.

RADI-SOLV

FOR SOLVENT PARTICULARLY ADAPTED FOR CLEANING AND PREVENTING RUST AND SCALE IN RADIATORS AND COOLING SYSTEMS.
Claims use since Oct. 1, 1943.

Ser. No. 485,655. Schieffelin & Co., New York, N. Y. Filed July 10, 1945. Under 10-year proviso as to "Schieffelin."



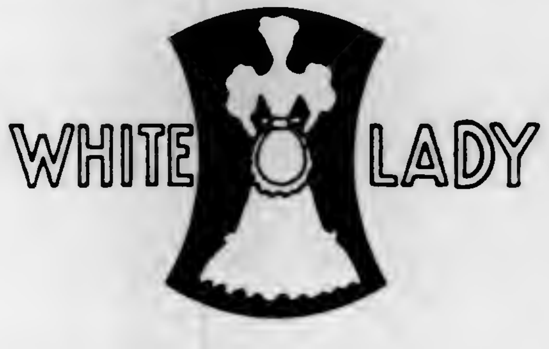
The words "Quality," "Integrity," and "Service" are disclaimed apart from the mark.
FOR FLUID EXTRACT BELLADONA LEAVES; FLUID EXTRACT CASCARA SAGRADA; FLUID EXTRACT COLCHICUM; FLUID EXTRACT COTTON-ROOT BARK; FLUID EXTRACT ERGOT; FLUID EXTRACT GENTIAN; FLUID EXTRACT GLYCYRRHIZA; FLUID EXTRACT NUX VOMICA; FLUID EXTRACT RHUBARB; FLUID EXTRACT SARSAPARILLA; FLUID EXTRACT SENEGA; FLUID EXTRACT SQUILL; FLUID EXTRACT TARAXACUM; EXTRACT CASCARA SAGRADA; EXTRACT GLYCYRRHIZA; LINIMENT CAMPHOR; LINIMENT CHLOROFORM; LINIMENT SOAP; OINTMENT, AMMONIATED MERCURY; OINTMENT, BASILICON; OINTMENT BELLADONNA; OINTMENT, CARBOLIC ACID; OINTMENT, DIACHYLON; OINTMENT, IODINE; OINTMENT, MERCURIC OXIDE; OINTMENT, NUTGALL; OINTMENT, ROSE WATER; OINTMENT, SIMPLE; OINTMENT, SULPHUR; OINTMENT, TAR; OINTMENT, ZINC OXIDE; MERCURIAL OINTMENT; PILL, ALOINI, STRYCHNINE AND BELLADONNA, N. F.; PILL ASAFOETIDA; PILL, BLAUD; PILL CATHARTIC COMPOUND; PILL, ALOE AND MASTIC, N. F.; PILL, ERGOTIN; PILL, FERRI, IODIDI; SOLUTION, LEAD SUBACETATE; SYRUP, HYDRIODIC ACID; SYRUP, HYPOPHOSPHITES; SYRUP, IRON IODIDE; SYRUP, TOLU; SYRUP WILD CHERRY; TABLET, MORPHINE, SULPHATIS; TABLET, ATROPINE SULPHATE; TABLET, MORPHINE SULPHATE; TABLET, PHENACETINE; TINCTURE, ACONITE ROOT; TINCTURE, ALOE; TINCTURE, ARNICA; TINCTURE, BELLADONNA; TINCTURE BENZOIN; TINCTURE, CAPSICUM; TINCTURE, CARDAMOM COMPOUND; TINCTURE, CINCHONA COMPOUND; TINCTURE, DIGITALIS; TINCTURE, GENTIAN; TINCTURE, HYOSCYAMUS; TINCTURE, IODINE; TINCTURE, LARKSPUR; TINCTURE, LAVENDER COMPOUND; TINCTURE, MYRRH; TINCTURE, NUX VOMICA; TINCTURE, OPIUM CAMPHOR; TINCTURE, OPIUM DEODORIZED; TINCTURE, ORANGE; TINCTURE, VALERIAN; MUTTON SUET; OXIDE OF ZINC; ACID, HYDRIODIC; COLD CREAM; COLLODION; ESSENCE, WINTERGREEN; OIL, CASTOR; OIL, COD LIVER; OIL, HYOSCYAMUS; PEPSIN; PETROLATUM; PLASTER LEAD OLEATE; POWDER, AROMATIC; POWDER, LICORICE COMPOUND; POWDER, SEIDLITZ; SPIRITS, AMMONIA; SPIRITS, CAMPHOR; SPIRITS, ETHYL NITRITE; SPIRITS, PEPPERMINT; POWDER, TOOTH; TALCUM; HYDROCHLORIC ACID; PHENOL; CHLOROFORM; COCAINE, HYDROCHLORIDE; CODEINE PHOSPHATE; CODEINE, SULPHATE; MORPHINE, SULPHATE; QUININE, SULPHATE; WOOL FAT.
Claims use since 1891 as to "Schieffelin;" and since Apr. 10, 1923, in its entirety.

Ser. No. 487,678. Stephen Herczog, doing business as Herco Chemical Co., Sydney, Australia. Filed Aug. 28, 1945.

HERCO

FOR SKIN LOTIONS.
Claims use since June 1, 1936.

Ser. No. 489,327. Howerton Gowen, doing business as Howerton Gowen Company, Roanoke Rapids, N. C. Filed Oct. 3, 1945.



No claim is made to the word "White" apart from the mark.
FOR BLEACH SOLUTION.
Claims use since Feb. 10, 1939.

Ser. No. 492,113. Frank B. Vincent, Wilmington, Del. Filed Nov. 23, 1945.

derma-fi-sol

No claim is made to the word "Derma" apart from the mark as shown.
FOR PREPARATION TO BE USED IN THE TREATMENT OF ATHLETE'S FOOT, RINGWORM, AND PSORIASIS.
Claims use since Jan. 1, 1942.

Ser. No. 494,224. B. L. Lemke & Company, New York, N. Y. Filed Jan. 3, 1946.

YODOXIN

FOR 5,7-DIIODO-8-HYDROXYQUINOLINE, A MEDICINAL PREPARATION FOR THE TREATMENT OF AMEBIC DYSENTERY.
Claims use since Dec. 26, 1945.

Ser. No. 494,912. Madamoiselle Co., Philadelphia, Pa. Filed Jan. 17, 1946.

Madamoiselle
CONFIDENTIALLY YOURS

FOR PADS IMPREGNATED WITH A DEODORANT FOR MEN'S USE.
Claims use since Jan. 11, 1946.

Ser. No. 494,933. Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Filed Jan. 17, 1946.

FONTARSOL

FOR MEDICINAL PREPARATION COMPRISING A PRODUCT CORRESPONDING CHEMICALLY TO HYDROXY-4-AMINO-3-PHENYLDICHLORARSINE HYDROCHLORIDE FOR USE IN ANTISYPHILITIC THERAPY.
Claims use since Apr. 23, 1943.

Ser. No. 494,935. Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Filed Jan. 17, 1946.

NEO-ANTERGAN

FOR MEDICINAL PREPARATION COMPRISING A SYNTHETIC ANTIHISTAMINE PRODUCT FOR USE IN THE TREATMENT OF URTICARIA, QUINCKE'S EDEMA, CERTAIN FORMS OF PRURITUS, SERIOUS CONDITIONS, ANAPHYLACTIC, TRAUMATIC, OPERATIVE OR MEDICINAL SHOCK, SERIOUS BURNS, ASTHMA, HAY-FEVER, MIGRAINE AND ECZEMA DUE TO HYPERSENSITIVITY.
Claims use since July 2, 1945.

Ser. No. 494,936. Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Filed Jan. 17, 1946.

NIVAQUINE

FOR MEDICINAL PREPARATION COMPRISING A PRODUCT HAVING AS ITS BASIS DICHLORHYDRIDE OF (DIETHYLAMINOPENTYL) AMINO-4-METHYL-3-CHLORO-7 QUINOLEINE, FOR USE IN THE TREATMENT OF MALARIA.
Claims use since Jan. 4, 1945.

Ser. No. 494,937. Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Filed Jan. 17, 1946.

SOLUFONTAMIDE

FOR MEDICINAL PREPARATION COMPRISING A SULFAMIDE PRODUCT OF ANTI-MICROBAIN AND ANTI-MYCOSIC ACTION THE ACTIVE INGREDIENT OF WHICH IS P. AMINO-BENZENESULFONYL-THIOUREA FOR USE IN PARENTERAL INJECTIONS AND PLEURAL WASHING.
Claims use since July 5, 1943.

Ser. No. 494,938. Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Filed Jan. 17, 1946.

SPECILLINE

FOR MEDICINAL PREPARATION COMPRISING A PRODUCT CORRESPONDING TO PENICILLIN, FOR USE IN CASES WHERE ANTI-BACTERIAL ACTION IS INDICATED.
Claims use since Aug. 17, 1944.

Ser. No. 494,939. Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Filed Jan. 17, 1946.

SUMEDINE

FOR MEDICINAL PREPARATION COMPRISING A SULFAMIDE PRODUCT CORRESPONDING CHEMICALLY TO P. AMINOBENZENESULFONYL (AMINO-2-METHYL-4-DIAZINE), FOR USE IN THE TREATMENT OF PULMONARY INFECTIONS.
Claims use since Dec. 31, 1943.

Ser. No. 495,720. Barron Chemical Corp., New York, N. Y. Filed Jan. 31, 1946.

SALVACILLIN

FOR OINTMENT WHICH CONTAINS A STABILIZED FORM OF PENICILLIN FOR TOPICAL USES IN THE TREATMENT OF CERTAIN DISEASES.
Claims use since Jan. 4, 1946.

Ser. No. 496,335. Helena Rubinstein, Inc., New York, N. Y. Filed Feb. 9, 1946.

Heavenly Glow

FOR LIPSTICKS AND LIPSTICK REFILLS; CREME ROUGE AND CREME ROUGE REFILLS; COMPACT ROUGE AND COMPACT ROUGE REFILLS; FACE POWDER; CREME TINT FOUNDATION; NAIL LACQUER; MASCARA AND EYE SHADOW.
Claims use since Dec. 18, 1945.

Ser. No. 498,996. Jaquet, Incorporated, New York, N. Y. Filed Mar. 26, 1946.

BLUE ISLE

FOR PERFUME, COLOGNE, PERFUMED SACHET POWDERS, DUSTING POWDER, BUBBLE BATH PREPARATION, AND BATH OIL.
Claims use since Feb. 27, 1946.

Ser. No. 499,601. American Chemical Paint Company, Ambler, Pa. Filed Apr. 4, 1946.

WEEDONE

FOR CHEMICAL PREPARATIONS FOR EXTERMINATING WEEDS.
Claims use since Aug. 10, 1944.

Ser. No. 499,812. Willow Reed System, Inc., Seattle, Wash. Filed Apr. 6, 1946.

CALEXICO
COLORAMA

Disclaimer is made of "Calexico" apart from the mark as shown.
FOR SUN TAN OIL.
Claims use since Mar. 10, 1946.

Ser. No. 500,417. José María Sorjus Roig, Barcelona, Spain. Filed Apr. 17, 1946.

GABISMAG

FOR PHARMACEUTICAL COMPOSITIONS FOR DISEASES OF THE STOMACH AND THE INTESTINAL ORGANS.
Claims use since Jan. 10 ,1945.

Ser. No. 500,418. José María Sorjus Roig, Barcelona, Spain. Filed Apr. 17, 1946.

YASO

FOR PHARMACEUTICAL COMPOSITIONS FOR DISEASES OF THE RESPIRATORY ORGANS.
Claims use since Apr. 9, 1945.

Ser. No. 500,760. Les Laboratoires de la Jeunesse S. A. R. L., Paris, France. Filed Apr. 23, 1946.

NIZAMI

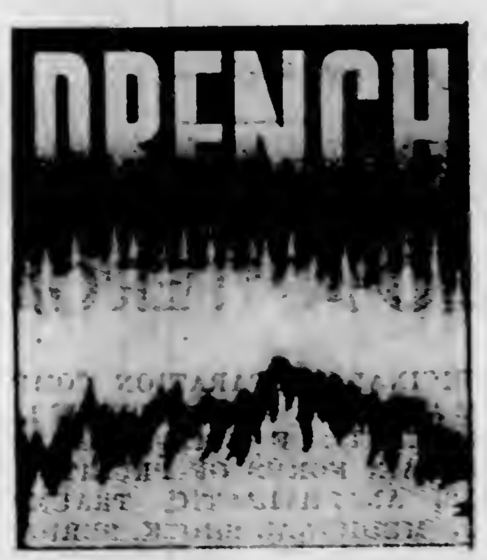
FOR PERFUMES, COLD AND VANISHING CREAMS, SKIN LOTIONS, FACE POWDER, NAIL POLISH, LIPSTICK, COLOGNE, TOILET WATER, AND ROUGE.
Claims use since Nov. 1, 1945.

Ser. No. 501,788. Transit Grain Company, Fort Worth, Tex. Filed May 9, 1946.

BUG
BUSTER

The word "Bug" is disclaimed apart from the mark. The drawing is lined for red.
FOR INSECTICIDE.
Claims use since Mar. 23, 1945.

Ser. No. 501,893. Arnold, Hoffman & Co. Incorporated, Providence, R. I. Filed May 11, 1946.



The drawing is lined for the color red.
FOR CHEMICAL TO BE ADDED TO FIRE FIGHTING LIQUID TO LOWER ITS SURFACE TENSION.
Claims use since Mar. 28, 1946.

Ser. No. 502,264. Albert N. Brooks, doing business under the name Brooks Company, Minneapolis, Minn. Filed May 17, 1946.

Tico

FOR PREPARATION IN WAFER FORM TO PERFUME AND SWEETEN THE BREATH.
Claims use since Apr. 18, 1946.

Ser. No. 502,839. Plough, Inc., doing business as Glosilk Company, Memphis, Tenn. Filed May 27, 1946.

GLOSILK

FOR HAIR PREPARATIONS FOR ADDING A GLOSS TO THE HAIR.
Claims use since May 14, 1946.

Ser. No. 503,298. Kaz Manufacturing Co., Inc., New York, N. Y. Filed June 5, 1946.

KAZ

FOR MEDICATED SOLUTIONS FOR TREATMENT OF MINOR BRONCHIAL IRRITATIONS.
Claims use since Dec. 5, 1932.

Ser. No. 503,334. Tuvaché Co., New York, N. Y. Filed June 5, 1946.

Reve De Paris
(Dream of Paris)

Applicant disclaims sole use of the word "Paris" apart from the mark.
FOR PERFUME AND TOILET WATER.
Claims use since May 22, 1946.

Ser. No. 503,475. Louis E. Stelly, doing business as Stelly's Products Co., Opelousas, La. Filed June 7, 1946.

MYRADENT

FOR PASTE USED IN THE TREATMENT OF PYORRHEA.
Claims use since Apr. 3, 1946.

Ser. No. 504,389. Reeve Chemical Company, Inc., Brooklyn, N. Y. Filed June 21, 1946.

AMBROTAL

FOR ETHICAL PREPARATION FOR THE TREATMENT OF HYPERTENSION, ESSENTIAL HYPERTENSION, CARDIO VASCULAR DISEASE, ANGINA PECTORIS AND ALSO TO BE USED AS A NON-MERCURIAL DIURETIC AND ITS ALLIED CONDITIONS.
Claims use since Apr. 29, 1946.

Ser. No. 504,601. Boston Drug & Chemical Co., Boston, Mass. Filed June 26, 1946.

Prince's

FOR WITCH HAZEL, RUBBING ALCOHOL COMPOUND, MEDICINAL MINERAL OIL, ANALGESIC BALM, ZINC OINTMENT, BORIC ACID OINTMENT, CASTOR OIL, GLYCERINE, GLYCERINE AND ROSE WATER, SPIRIT OF CAMPHOR, METHYL SALICYLATE, PAREGORIC, ETHYL NITRITE, CAMPHOR LINIMENT, AROMATIC SPIRITS OF AMMONIA, SPIRIT OF PEPPERMINT, TINCTURE OF BENZOIN COMPOUND, CITRONELLA COMPOUND, CAMPHOR LINIMENT, CHLOROFORM LINIMENT, AND LINIMENT OF SOFT SOAP.
Claims use since on or about June 15, 1945.

Ser. No. 504,631. Phillips Pharmaceutical Products, Inc., Darien, Conn. Filed June 26, 1946.

UNAPAK

FOR TOOTH POWDER.
Claims use since May 7, 1946.

Ser. No. 505,096. D. Murray Burns, doing business as Embur Drugs, Kansas City, Mo., assignor to Embur, Inc., Kansas City, Mo., a corporation of Missouri. Filed July 5, 1946.

TRACHAMIN

FOR PROTEIN HYDROLYSATE OBTAINED FROM PRIMARY YEAST, AND DEXTROSE.
Claims use since May 24, 1946.

Ser. No. 505,228. Pharmaceutical Organics, Inc., New York, N. Y. Filed July 8, 1946.

DieBRin

Applicant disclaims the letter "B" apart from the mark as shown.
FOR MEDICINAL PREPARATION OF VITAMINS, MINERALS, COENZYMES AND AMINO ACIDS TO BE USED AS AN ADJUVANT IN THE TREATMENT OF DIABETES AND CARBOHYDRATE METABOLISM.
Claims use since June 14, 1946.

Ser. No. 505,699. Guerlain, Inc., New York, N. Y. Filed July 16, 1946.

SILLAGE

FOR PERFUMES AND TOILET WATERS.
Claims use since 1910.

Ser. No. 507,080. Skin Research Laboratories, New York, N. Y. Filed Aug. 8, 1946.

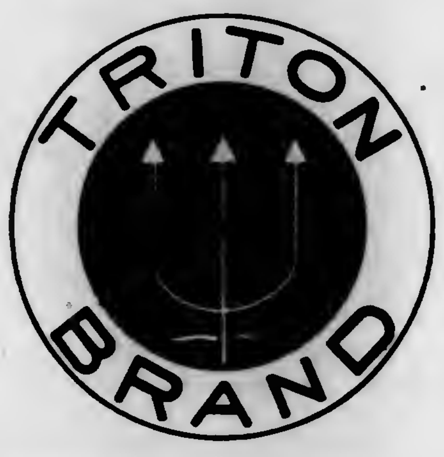
VIRILITONE

FOR ANDROGENIC HORMONE BODY CREAM, HORMONE BODY LOTION, FACE LOTION, HAIR TONIC, TALCUM POWDER, FACE CREAM AND AFTER SHAVE LOTION.
Claims use since June 1, 1946.

CLASS 7

CORDAGE

Ser. No. 510,019. Empire Twine & Yarn Co. Inc., New York, N. Y. Filed Oct. 1, 1946.



No claim is made to the word "Brand."
FOR TWINE AND CORDAGE MADE OF COTTON, HEMP, FLAX, JUTE, SISAL, MANILA, TINSEL, LINEN, AND COMBINATIONS THEREOF.
Claims use since 1929.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 495,620. The Parker Pipe Company Limited, London, England. Filed Jan. 29, 1946.

WUNUP

FOR TOBACCO PIPES, TOBACCO POUCHES, ORNAMENTAL TOBACCO BOXES AND JARS, TOBACCO-PIPE SCRAPERS, ASH TRAYS, CIGARETTE AND CIGAR CASES, CIGARETTE AND ORNAMENTAL CIGAR BOXES AND HUMIDIFIERS FOR TOBACCO PRODUCTS, CIGAR AND CIGARETTE HOLDERS, CIGAR PIERCERS, SMOKERS' KNIVES, AND PIPE CLEANERS.
Claims use since 1934.

CLASS 10

FERTILIZERS

Ser. No. 502,862. Raymond T. Wagner, doing busines as Hawthorne Laboratories, Louisville, Ky. Filed May 27, 1946.

TOMOTEX

FOR FERTILIZERS.
Claims use since Mar. 29, 1946.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 500,169. Frost Paint & Oil Corporation, Minneapolis, Minn. Filed Apr. 13, 1946.

FROPOL

The drawing is lined to represent shading.
FOR PRINTING INK VEHICLE CONSISTING OF LINSEED OIL WITH CHEMICAL ADDITIVES FOR USE AS AN OIL BASE IN THE PRODUCTION OF PRINTING INKS.
Claims use since Feb. 21, 1946.

Ser. No. 502,380. Fred'k H. Levey Co. Inc., New York, N. Y. Filed May 18, 1946.

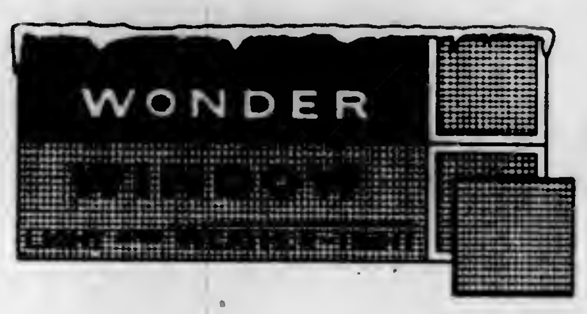
dybond

The syllable "Dy," as a phonetic spelling of the word "Dye," is disclaimed apart from the mark.
FOR INKS FOR PRINTING ON TEXTILES.
Claims use since Mar. 26, 1946.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 493,865. Wonder Window Co., Fitchburg, Mass. Filed Dec. 22, 1945.



The words "Window," "Light and Weather-Tight" and the representation of the carton are disclaimed apart from the mark. The drawing is lined for shading.
FOR COMBINATION STORM AND SCREEN SASH.
Claims use since Nov. 1, 1944.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 470,552. American Brake Shoe Company, New York, N. Y. Filed May 24, 1944.

ECONOMY HARDFACE

Applicant disclaims the word "Hardface" apart from the combination as shown.
FOR BARE AND COATED WELDING RODS.
Claims use since March 1939.

Ser. No. 497,921. Darwin & Milner, Inc., Cleveland, Ohio. Filed Mar. 9, 1946.

DARMOLD

FOR IRON AND IRON ALLOYS IN THE FORM OF BLOCKS, BARS, BILLETS, ROUGH AND SEMI-FINISHED FORGING BLANKS AND CASTINGS APPROPRIATE FOR MACHINING INTO FINISHED MOLDS AND DIES AND IRON AND IRON ALLOYS FOR MAKING MOLDS, PLASTIC FORMING MOLDS AND LIGHT METAL FORMING MOLDS.
Claims use since Feb. 13, 1946.

Ser. No. 503,620. Ziv Steel & Wire Co., Chicago, Ill. Filed June 10, 1946.

ZIVAN - 45

FOR TOOL STEEL IN BARS.
Claims use since May 6, 1946.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 504,188. The Lowe Brothers Company, Dayton, Ohio. Filed June 19, 1946.

DURA-CRAFT

FOR PAINTS IN DRY, PASTE, OR READY-MIXED FORM, AND PAINT ENAMELS.
Claims use since on or about Mar. 11, 1946.

Ser. No. 504,192. John Lucas & Company, Incorporated, Philadelphia, Pa. Filed June 19, 1946.

SULTANA

FOR PAINTS IN DRY, PASTE, OR READY-MIXED FORM, AND PAINT ENAMELS.
Claims use since on or about June 24, 1938.

Ser. No. 504,884. Cook Paint & Varnish Company, North Kansas City, Mo. Filed July 1, 1946.

LEATHERTEX

FOR LACQUERS AND PAINT IN PASTE OR SEMI-PASTE FORM.
Claims use since Jan. 31, 1946.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 503,223. A. Sensenbrenner Sons, Los Angeles, Calif. Filed June 3, 1946.

CABRILLO

FOR CIGARS.
Claims use since 1910.

Ser. No. 503,224. A. Sensenbrenner Sons, Los Angeles, Calif. Filed June 3, 1946.

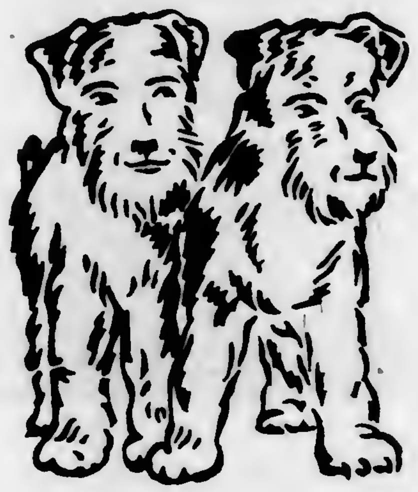
DEL CARA

FOR CIGARS.
Claims use since 1934.

CLASS 19

VEHICLES

Ser. No. 497,705. Dennis-Mitchell Industries, Philadelphia, Pa. Filed Mar. 6, 1946.

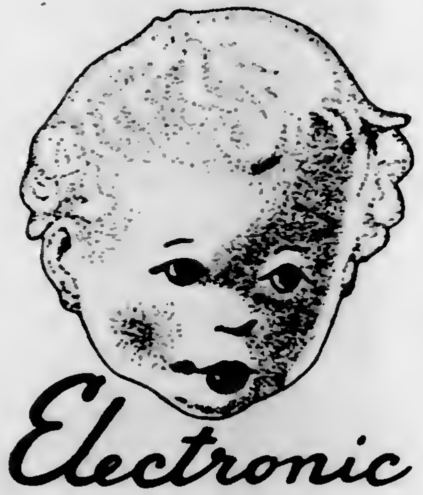


FOR AUTO BABY SEATS AND HAMMOCKS.
Claims use since Dec. 15, 1944.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 477,498. ELECTRICAL INDUSTRIES, INC., Newark, N. J. Filed Dec. 13, 1944.



Electronic

The picture of the baby's head shown is purely anonymous. No claim is made to the word "Electronic" apart from the mark.

FOR ELECTRONICALLY HEATED BOTTLE WARMERS IN WHICH THE ELECTRON AND ION FLOW THROUGH AN ELECTRICALLY CONDUCTIVE FLUID MEDIUM AND BETWEEN A PAIR OF SPACED ELECTRICALLY ENERGIZED CONDUCTIVE ELECTRODES HEATS THE FLUID MEDIUM TO GENERATE A VAPOR AT AN ELEVATED TEMPERATURE.

Claims use since Nov. 7, 1944.

Ser. No. 488,406. KEMET LABORATORIES COMPANY, INC., New York, N. Y. Filed Sept. 13, 1945.

KEMET

FOR ELECTRIC WIRE OF VARIOUS ALLOYS FOR CORROSION-RESISTANT PURPOSES; FOR USE AS GETTERS; AND FOR USE IN THE CONSTRUCTION OF ELECTRONIC DEVICES, ELECTRODES, AND CORROSION-RESISTANT SCREENS FOR USE IN CHEMICAL PROCESSES.

Claims use since about Jan. 28, 1930.

Ser. No. 493,006. HOME-CRAFT ELECTRONIC PRODUCTS, Chicago, Ill. Filed Dec. 10, 1945.

home-craft

The word "Home" is disclaimed apart from the mark.

FOR ELECTRIC BROILERS AND ELECTRIC BREAD TOASTERS.

Claims use since Oct. 29, 1945.

Ser. No. 496,734. THE SHEPARD ELEVATOR COMPANY, Cincinnati, Ohio. Filed Feb. 16, 1946.

S-P-D

FOR ELEVATOR PARTS—NAMELY, LIMIT SWITCHES AND GATE SWITCHES.

Claims use since 1936.

Ser. No. 497,428. UNITED CIGAR-WHELAN STORES CORPORATION, New York, N. Y. Filed Feb. 28, 1946.

HOME-MAKER

FOR ELECTRIC TOASTERS.

Claims use since Nov. 15, 1945.

Ser. No. 498,118. CUTLER-HAMMER, INC., Milwaukee, Wis. Filed Mar. 13, 1946.

CUTLER-HAMMER

C-H

FOR ELECTRICAL CONTROL APPARATUS, ELECTRICAL MACHINES, AND ELECTRICAL SUPPLIES, CONSISTING OF: CONTROLLERS FOR DYNAMO-ELECTRIC MACHINES—TO WIT: STARTING, STOPPING, REVERSING, AND SPEED REGULATING APPARATUS FOR MOTORS, AND VOLTAGE AND CURRENT REGULATING APPARATUS FOR GENERATORS, AND LIKE CONTROL APPARATUS FOR ROTARY CONVERTERS; CURRENT BREAKERS; MAGNETIC BRAKES FOR VARIOUS TYPES OF MACHINES; LIFTING AND SEPARATING MAGNETS AND CONTROLS THEREFOR; SOLENOIDS, SAFETY SWITCHES, METER SERVICE AND ENTRANCE SWITCHES; FLOAT, PRESSURE AND OTHER SPECIAL SWITCHES, NOT INCLUDING THERMOSTATIC SWITCHES; INSULATING BASES AND SUPPORTS FOR SWITCHES AND THE LIKE; CONTROLLERS AND DRIVING UNITS FOR VALVES REQUIRING ROTATION OF AN ELEMENT THEREOF: SOLENOID-OPERATED VALVES; FUSE PANELS; TERMINAL LUGS; WIRING FIXTURES AND CONDUIT FITTINGS COMPRISING SWITCHES, SWITCH BOXES AND COVERS, ATTACHMENT PLUGS, TAPS, RECEPTACLES, CAPS, LAMP SOCKETS, AND CORD CONNECTORS; ELEVATOR CONTROL APPARATUS, CONSISTING OF LIMIT SWITCHES, DOOR SWITCHES, TRANSFER SWITCHES, AND FLOOR SELECTOR SWITCHES; SPEED REGULATING AND OTHER CURRENT CONTROL RESISTORS; RHEOSTATS; RELAYS; CONTACTORS; SWITCH PANELS; CONTROL PANELS; PUSH BUTTON SWITCHES FOR MACHINE TOOL CONTROLLERS; MOTOR STARTERS; SPEED CONTROLLERS AND REGULATORS ESPECIALLY ADAPTED FOR MARINE SERVICE; RESISTANCE UNITS FOR SPACE HEATERS; INDUSTRIAL HEATERS; OVENS, AND IMMERSION WATER HEATERS; THEATER AND SPOTLIGHT DIMMERS; BATTERY CHARGERS; STARTERS AND SPEED REGULATORS FOR FIRE PUMPS, PRINTING PRESSES, PAPER MAKING MACHINES, OIL WELL DRILLERS AND PUMPS; CRANE AND HOIST CONTROLS; CIRCUIT CONTROLLERS OF ELECTRONIC TYPE; ELECTRIC WELDING CONTROLLERS, AND CONTROLLERS FOR ELECTRIC REFRIGERATORS.

Claims use since Mar. 13, 1916.

Ser. No. 499,151. RAD-EL-CO MANUFACTURING COMPANY, Cleveland, Ohio. Filed Mar. 28, 1946.

RAD-EL-CO
CLEVELAND

The word "Cleveland" is disclaimed apart from the mark.

FOR AUTOMOBILE AERIALS AND PARTS AND ACCESSORIES FOR RADIO RECEIVING SETS.

Claims use since Jan. 29, 1946.

Ser. No. 500,026. JOSEPH X. TAIT, doing business as The United States Recording Company, Washington, D. C. Filed Apr. 11, 1946.

Panacoustic

FOR ELECTRIC PHONOGRAPHS, PORTABLE ELECTRICAL TRANSCRIPTION PLAYERS, ELECTRIC DISC RECORDING MACHINES, ELECTRICAL WIRE RECORDING MACHINES, ELECTRICAL TAPE RECORDING MACHINES, ELECTRICAL AMPLIFIERS AND PRE-AMPLIFIERS FOR SOUND RECORDING AND SOUND REPRODUCING MACHINES, ELECTRICAL SPEECH INPUT EQUIPMENT, AND ELECTRICAL STUDIO CONSOLES.

Claims use since Jan. 1, 1945.

Ser. No. 501,356. THE AUTOMOTIVE SPECIALTY CORPORATION, Brooklyn, N. Y. Filed May 3, 1946.

TASCO

FOR ELECTRIC AUTOMOTIVE IGNITION, STARTING AND LIGHTING EQUIPMENT—NAMELY, MOTOR AND GENERATOR BRUSHES, BUSHINGS FOR STARTERS AND GENERATORS, CONTACT ARMS AND SCREWS, CONDENSERS, DISTRIBUTOR COVERS, DISTRIBUTOR LEADS, DISTRIBUTOR ROTORS, COILS, GENERATOR CUT-OUTS, VOLTAGE REGULATORS, RELAYS, SWITCHES FOR AUTO AND RADIO, STARTER AND DIMMER SWITCHES, STOP LIGHT SWITCHES, STARTER SPRINGS, AND STARTER BOLTS AND WASHERS.

Claims use since Apr. 9, 1918.

Ser. No. 501,381. G-M LABORATORIES, INC., Chicago, Ill. Filed May 3, 1946.

SEASON-AIR

The word "Air" is disclaimed apart from the mark.

FOR PORTABLE ELECTRIC HEATER-FAN COMBINATION.

Claims use since Oct. 1, 1945.

Ser. No. 501,680. NELPIN MANUFACTURING CO. INC., Long Island City, N. Y. Filed May 8, 1946.

SOLDER-MATIC

No claim is made to the word "Solder" apart from the mark.

FOR ELECTRIC SOLDERING IRONS.

Claims use since Apr. 3, 1946.

Ser. No. 502,249. ALLIED STORES CORPORATION, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash., Dey Brothers & Company, Syracuse, N. Y., and Quackenbush Company, Paterson, N. J. Filed May 17, 1946.

AMBASSADOR

FOR RADIO RECEIVING SETS AND RADIO PHONOGRAPH COMBINATIONS.

Claims use since Apr. 11, 1946.

Ser. No. 503,519. LERICHE-INTERNATIONAL, INC., St. Louis, Mo. Filed June 8, 1946.

ELRICO

FOR AUTOMOTIVE REPLACEMENT PARTS—NAMELY, AUTOMOTIVE SPARK PLUGS, AUTOMOTIVE ELECTRIC CABLES, AUTOMOTIVE WIRING ASSEMBLIES, AND AUTOMOTIVE WIRING HARNESSES.

Claims use since about Feb. 27, 1946.

Ser. No. 503,642. E. A. LABORATORIES, INC., Brooklyn, N. Y. Filed June 11, 1946.

AEROTHERM

FOR ELECTRIC ROOM HEATERS WITH OR WITHOUT ENFORCED AIR CIRCULATION MEANS, PORTABLE ELECTRIC FAN AND HEATER COMBINATIONS, AND ELECTRIC FANS.

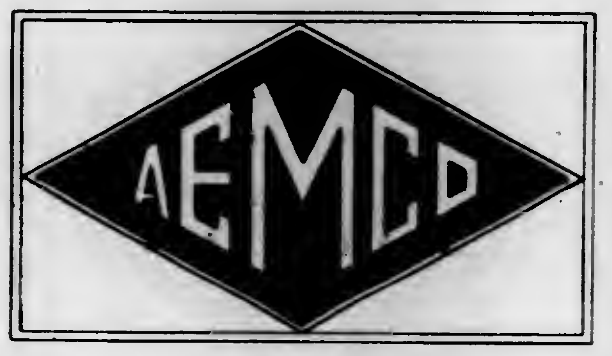
Claims use since Nov. 1, 1945.

Ser. No. 505,166. Tradio, Inc., Deal, N. J. Filed July 6, 1946.

TRADIO

The drawing is lined for red.
FOR RADIO AND TELEVISION RECEIVING SETS.
Claims use since May 1, 1946.

Ser. No. 505,331. Automatic Electric Mfg. Company, Mankato, Minn. Filed July 10, 1946.



The outline representation of the label is disclaimed apart from the mark as shown.
FOR TIME SWITCHES, FLASHERS, INTERVAL TIMERS AND RELAYS, THE TIME SWITCHES, INTERVAL TIMERS AND FLASHERS BEING USED TO CLOSE AND OPEN OR "MAKE" AND "BREAK" ELECTRICAL CIRCUITS AT PREFIXED OR DEFINITELY ESTABLISHED TIMES, THE FLASHERS INCLUDING ONE CIRCUIT AND TWO CIRCUIT FLASHERS.
Claims use since March 1918.

Ser. No. 506,967. Arnold Schott, doing business as Pacific Electricord Company, Beverly Hills, Calif. Filed Aug. 6, 1946.

PECO

FOR SUPPORTING AND ANCHORING MEANS FOR FLUORESCENT AND GAS DISCHARGE TUBES AND SIGNS MADE THEREFROM, COVERED ELECTRIC CONDUCTOR WIRE, AND ELECTRICAL PLUGS.
Claims use since about June 15, 1946.

Ser. No. 507,180. Algene Mfg. Co., New York, N. Y. Filed Aug. 10, 1946.

FOR RADIO RECEIVING SETS.
Claims use since February 1946.

Ser. No. 507,380. Faraday Electric Corporation, Adrian, Mich., and Boston, Mass. Filed Aug. 14, 1946.

UNIPACT

FOR VISIBLE AND AUDIBLE ELECTRIC SIGNALS, INDICATORS AND ALARMS, FOR HIGHWAYS, VEHICLES, TRAFFIC AND IN PLANTS AND ESTABLISHMENTS FOR CALLING, ALARM AND INFORMATION PURPOSES, ASSEMBLIES THEREOF AND PARTS THEREFOR.
Claims use since Oct. 1, 1941.

Ser. No. 507,381. Faraday Electric Corporation, Adrian, Mich., and Boston, Mass. Filed Aug. 14, 1946.

POWERPACT

FOR VISIBLE AND AUDIBLE ELECTRIC SIGNALS, INDICATORS AND ALARMS, FOR HIGHWAYS, VEHICLES, TRAFFIC AND IN PLANTS AND ESTABLISHMENTS FOR CALLING, ALARM AND INFORMATION PURPOSES, ASSEMBLIES THEREOF AND PARTS THEREFOR.
Claims use since Oct. 1, 1941.

Ser. No. 507,382. Faraday Electric Corporation, Adrian, Mich., and Boston, Mass. Filed Aug. 14, 1946.

MULTIPACT

FOR VISIBLE AND AUDIBLE ELECTRIC SIGNALS, INDICATORS AND ALARMS, FOR HIGHWAYS, VEHICLES, TRAFFIC AND IN PLANTS AND ESTABLISHMENTS FOR CALLING, ALARM AND INFORMATION PURPOSES, ASSEMBLIES THEREOF AND PARTS THEREFOR.
Claims use since Oct. 1, 1941.

Ser. No. 507,716. Dominion Electrical Manufacturing, Inc., Mansfield, Ohio. Filed Aug. 21, 1946.

FOR ELECTRICAL HOUSEHOLD APPLIANCES—NAMELY, ELECTRIC FLAT IRONS, ELECTRIC TABLE STOVES OR HOT PLATES.
Claims use since Apr. 10, 1946, as to electric flat irons; and since Dec. 5, 1945, as to electric table stoves and hot plates.

Ser. No. 508,153. Franklin Photographic Industries, Chicago, Ill. Filed Aug. 28, 1946.

MUSITRON

FOR ELECTRIC PHONOGRAPHS AND REPRODUCERS.
Claims use since Feb. 1, 1946.

Ser. No. 508,284. Grover Photo Products, Los Angeles, Calif. Filed Aug. 30, 1946.

ColorTran

FOR CONVERTER USED FOR TRANSFORMING ELECTRICAL CURRENTS.
Claims use since Oct. 15, 1945.

Ser. No. 508,371. Dunhill Mfg. & Distributors Corp., New York, N. Y. Filed Aug. 31, 1946.

Dunhall

FOR ELECTRIC TABLE, FLOOR, WALL, AND OVERHEAD LAMPS AND FIXTURES, AND PARTS THEREOF INCLUDING LAMP SHADES.
Claims use since Jan. 1, 1946.

Ser. No. 508,496. Soundrite Corporation, Holyoke, Mass. Filed Sept. 4, 1946.

SOUNDRITE

FOR ELECTRIC TABLE LAMPS.
Claims use since July 1, 1946.

Ser. No. 508,583. Dow Corning Corporation, Midland, Mich. Filed Sept. 6, 1946.

DC

FOR ORGANOSILICON INSULATING MATERIALS OF HIGH DIELECTRIC STRENGTH IN THE FORM OF IMPREGNATING AND COATING COMPOSITIONS, AND OF STABLE FLUIDS AND PASTES.
Claims use since February 1945.

Ser. No. 508,982. Diamond Wire & Cable Co., Chicago, Heights, Ill. Filed Sept. 13, 1946.

No claim is made to the word "Wire" apart from the mark.
FOR INSULATED ELECTRICAL WIRE.
Claims use since Sept. 15, 1923.

Ser. No. 509,097. National Ignition Manufacturing Company, Inc., New York, N. Y. Filed Sept. 14, 1946.

NIMCO

FOR DISTRIBUTOR CONTACT POINTS, DISTRIBUTOR ROTORS, DISTRIBUTOR LEADS, DISTRIBUTOR CONDENSERS, IGNITION COILS, STARTER SWITCHES, IGNITION SWITCHES, GENERATOR CUTOUTS, STARTER AND GENERATOR BRUSHES, STARTER AND GENERATOR BUSHINGS, VOLTAGE REGULATORS, AND IGNITION CABLE SETS FOR INTERNAL COMBUSTION ENGINES.
Claims use since Jan. 1, 1935.

Ser. No. 517,795. Pilot Radio Corporation, New York, N. Y. Filed Feb. 19, 1947.

Pilot

FOR CONDENSERS, JACKS, PLUGS, RHEOSTATS, DIALS, RADIO RECEIVING SETS AND PARTS THEREOF.
Claims use since Apr. 9, 1918.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 499,275. The Porter Chemical Company, Hagerstown, Md. Filed Mar. 29, 1946.

Pilot-a-plane

The word "Plane" is disclaimed apart from the mark.
FOR AIRPLANE TOYS.
Claims use since Mar. 1, 1946.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 493,589. Eugene V. Bradley, doing business as Bradley Tool & Engineering, Toledo, Ohio. Filed Dec. 20, 1945.

SUPER 9

FOR TOOL HOLDERS FOR LATHE TAIL STOCKS.
Claims use since Dec. 1, 1945.

Ser. No. 495,504. E. R. Raetsch, doing business as E. R. Raetsch and Assoc., Chicago, Ill. Filed Jan. 26, 1946.

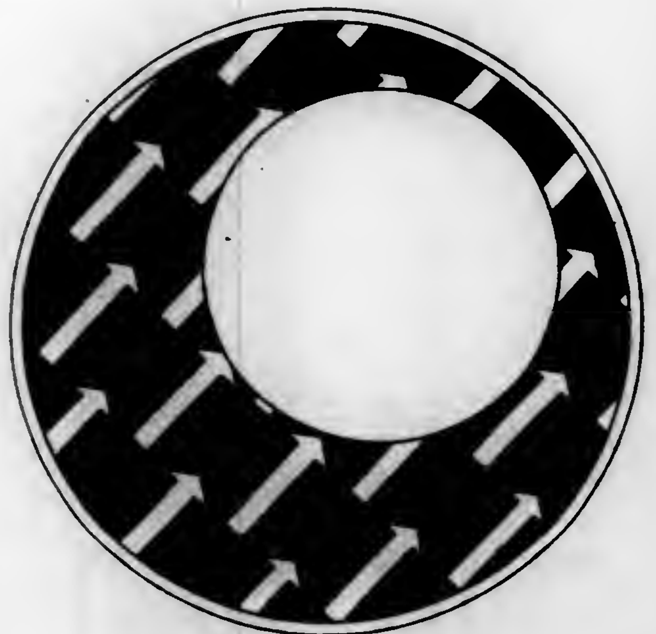
MOLY-CHROM

Applicant disclaims exclusive use of the word "Chrom" apart from the mark.
FOR PAPER CUTTING KNIVES.
Claims use since Nov. 20, 1945.

Ser. No. 498,184. Alfred A. Troyke, doing business as Troyke Mfg. Co., Cincinnati, Ohio. Filed Mar. 13, 1946.

FOR METAL WORK HOLDERS AND METAL ROTARY TABLES USED IN CONJUNCTION WITH MILLING MACHINES AND MACHINE TOOLS.
Claims use since on or about Jan. 1, 1939.

Ser. No. 498,994. Hydro-Power, Incorporated, Mount Gilead, Ohio. Filed Mar. 26, 1946.



FOR HYDRAULIC PUMPS, HYDRAULIC PRESSES, HYDRAULIC CONTROL VALVES AND OTHER ACCESSORIES FOR CONTROLLING THE TRANSMISSION OF FLUIDS IN AND BETWEEN HYDRAULICALLY OPERATED DEVICES.
Claims use since May 1939.

Ser. No. 499,370. Harry S. Ausherman, Wichita, Kans. Filed Apr. 1, 1946.

"BAZOOKA"

FOR PORTABLE AUGER MACHINES FOR MOVING GRAIN.
Claims use since Jan. 25, 1946.

Ser. No. 502,175. Wolf and Scherer, Eatontown, N. J. Filed May 15, 1946.

SANI-TRU

No claim is made to the exclusive use of the ending "Tru" apart from the mark.
FOR WHEEL DRESSER TOOL FOR REDRESSING AND TRUEING GRINDING WHEELS.
Claims use since Jan. 2, 1946.

Ser. No. 502,229. New England Carbide Tool Co., Inc., Cambridge, Mass. Filed May 16, 1946.

CYCLONE

FOR CARBIDE TIPPED ROTARY BITS FOR DRILLING MASONRY MATERIAL, ROCK AND OTHER MATERIAL ENCOUNTERED IN MINING OR OIL WELL DRILLING.
Claims use since Dec. 27, 1945.

Ser. No. 502,250. American Octanator Corporation, Providence, R. I. Filed May 17, 1946.

OCTANATOR

FOR ACCESSORY FOR INTERNAL COMBUSTION ENGINES FOR HUMIDIFYING, ATOMIZING AND CLEANING THE AIR OF THE FUEL MIXTURE THEREOF.
Claims use since October 1943.

Ser. No. 502,406. Perfecut Scissors Co., Oklahoma City, Okla. Filed May 18, 1946.

Applicant disclaims the representation of a pair of scissors apart from the mark.
FOR SCISSORS.
Claims use since Jan. 8, 1946.

Ser. No. 503,436. Dempster Brothers, Incorporated, Knoxville, Tenn. Filed June 7, 1946.

DEMPSTER BLOKSTER

The surname "Dempster" is disclaimed apart from its association with the mark.
FOR CONCRETE BLOCK MACHINES.
Claims use since Apr. 15, 1946.

Ser. No. 505,566. Excel Automatic Products, Inc., Newark, N. J. Filed July 13, 1946.

DOT

FOR SAFETY RAZOR BLADES.
Claims use since Feb. 10, 1937.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 497,480. Jason G. Hurley, Chicago, Ill. Filed Mar. 1, 1946.

JUNIOR MISS

Applicant disclaims exclusive use of the word "Junior" apart from the mark.
FOR CLOTHES WASHING AND IRONING MACHINES.
Claims use since Feb. 7, 1946.

Ser. No. 504,069. Harry E. Reynolds, Detroit, Mich. Filed June 17, 1946.

Heurey

The mark is spelled "Heurey."
FOR DRIERS IN THE NATURE OF A RACK FOR LINGERIE, HOSE AND THE LIKE.
Claims use since June 3, 1946.

CLASS 26

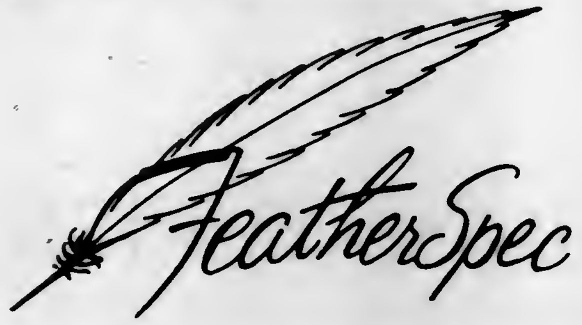
MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 483,812. Eugene Dietzgen Co., Chicago, Ill. Filed May 26, 1945.

EDCO

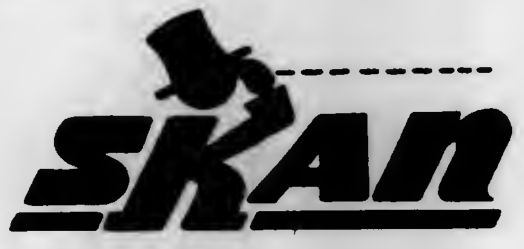
Applicant is the owner of Reg. No. 79,904 (renewed).
FOR DRAWING INSTRUMENTS AND SUPPLIES FOR THE PRODUCTION AND REPRODUCTION OF PRINTS, DRAWINGS AND THE LIKE—NAMELY, LIGHT SENSITIVE SHEETS ADAPTED FOR MAKING PRINTS, DRAWING INSTRUMENTS INCLUDING RULING PENS, COMPASSES, DIVIDERS, PROTRACTORS, BOW INSTRUMENTS, PARALLEL RULERS, BEAM COMPASSES, DRAFTING INSTRUMENTS IN CASED SETS, MEASURING SCALES, GRADUATED RULES AND RULERS, STRAIGHT EDGES, T-SQUARES, MEASURING AND DRAFTING MACHINES, FRENCH CURVES, TRIANGLES, LETTERING MACHINES INCLUDING LETTERING GUIDES, ANGLES AND TEMPLATES.
Claims use since on or about Jan. 1, 1910.

Ser. No. 490,471. Willson Products, Inc., Reading, Pa. Filed Oct. 24, 1945.



No claim is made to the word "Spec" apart from the mark.
FOR OPHTHALMIC MOUNTINGS AND PARTS THEREOF.
Claims use since Sept. 25, 1945.

Ser. No. 497,021. G-M Laboratories, Inc., Chicago, Ill. Filed Feb. 21, 1946.



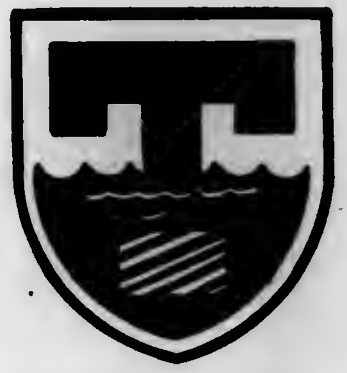
FOR EXPOSURE METERS.
Claims use since Oct. 1, 1945.

Ser. No. 499,738. Taylor, Taylor & Hobson, Limited, Leicester, England. Filed Apr. 5, 1946.

IVOTAL

FOR PHOTOGRAPHIC LENSES.
Claims use since Apr. 30, 1935.

Ser. No. 500,713. Telematic Corporation, Chicago, Ill. Filed April 22, 1946.



FOR FLOAT CONTROLLED LIQUID LEVEL GAGING APPARATUS AND PARTS THEREOF.
Claims use since Mar. 8, 1945.

Ser. No. 505,934. Waterman Products Company, Incorporated, Philadelphia, Pa. Filed July 19, 1946.

POCKETSCOPE

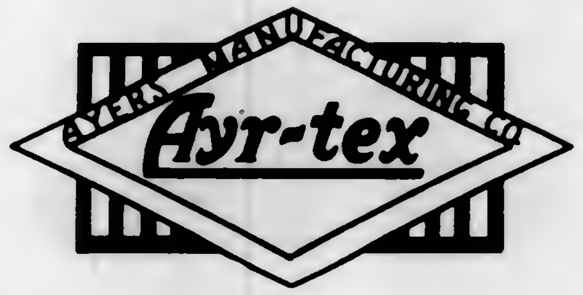
No claim is made to the word "Pocket" apart from the mark.
FOR OSCILLOSCOPES.
Claims use since May 1, 1946.

Ser. No. 506,101. Carl Dudley, doing business as Carl Dudley Productions, Beverly Hills, Calif. Filed July 23, 1946.

This World of Ours

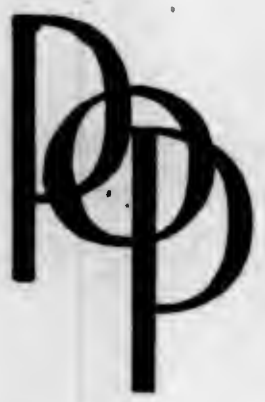
FOR SERIES OF MOTION PICTURE FILM PRODUCTIONS.
Claims use since June 4, 1946.

Ser. No. 506,364. William T. H. Ayers, doing business as Ayers Manufacturing Co., Indianapolis, Ind. Filed July 27, 1946.



No registration rights are claimed for the words "Ayer Manufacturing Co." apart from the mark.
FOR BRICK LAYERS' LEVELS.
Claims use since July 1, 1946.

Ser. No. 507,489. Premier Optical Products, Inc., New York, N. Y. Filed Aug. 15, 1946.



FOR OPTICAL INSTRUMENTS, I. E., THICKNESS CALCULATORS.
Claims use since Sept. 20, 1945.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 496,927. Siduna A/S, Copenhagen, Denmark. Filed Feb. 19, 1946.

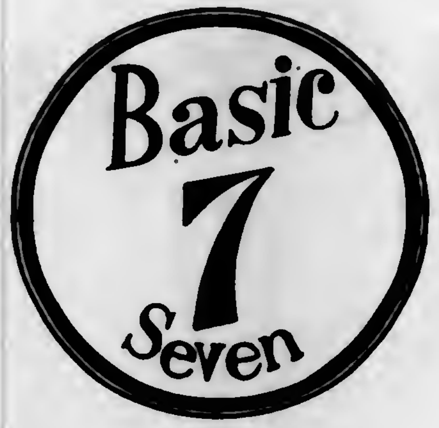
SIDUNA

FOR WATCHES, WATCH PARTS, WATCH CHAINS, AND WATCH BRACELETS SOLD AS COMPLETE ARTICLES WITH WATCHES.
Claims use since 1929.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 478,098. Morris Walhimer, New Haven, Conn., and New York, N. Y. Filed Dec. 30, 1944.



FOR BATH MITS.
Claims use since Aug. 25, 1943.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 516,928. The Warren Co., Inc., Atlanta, Ga. Filed Feb. 4, 1947.

LOWBOY

FOR COMMERCIAL REFRIGERATOR.
Claims use since Dec. 13, 1946.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 483,364. Day & Night Manufacturing Company, Monrovia, Calif. Filed May 15, 1945.

PANELRAY

FOR GAS CONSUMING SPACE HEATERS.
Claims use since Mar. 19, 1945.

Ser. No. 512,953. Argus Manufacturing Company, Chicago, Ill. Filed Nov. 21, 1946.

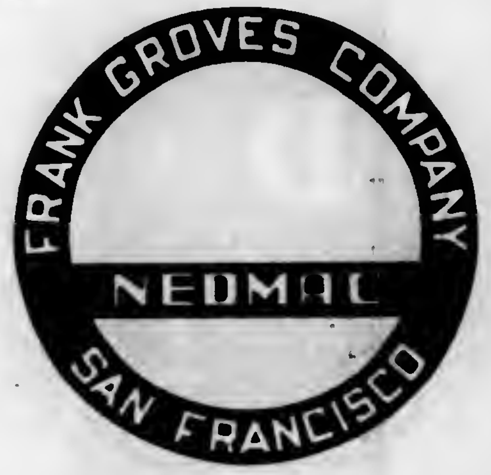
ARGUS

FOR VENTILATING EQUIPMENT—NAMELY, EXHAUST FANS.
Claims use since Aug. 6, 1946.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 485,409. Frank Groves, doing business as Frank Groves Company, San Francisco, Calif. Filed July 3, 1945.



The words "Frank Groves Company, San Francisco" are disclaimed for Federal registration apart from the mark shown.
FOR ASBESTOS SHEET PACKING; RUBBER SHEET PACKING; METALLIC PACKING; SEMI-METALLIC PACKING; ASBESTOS, RUBBER, AND RUBBER AND DUCK SPIRAL PACKINGS; FLAX AND HYDRAULIC PACKINGS; STEAM HOSE; AIR HOSE AND WATER HOSE; RUBBER BELTING, LEATHER BELTING AND BALATA BELTING FOR POWER TRANSMISSION, ELEVATING AND CONVEYING PURPOSES; HIGH TEMPERATURE VALVE DISC PACKINGS; AND RING PACKINGS.
Claims use since January 1933.

Ser. No. 485,410. Frank Groves, doing business as Frank Groves Company, San Francisco, Calif. Filed July 3, 1945.

NEDMAC

FOR ASBESTOS SHEET PACKING; RUBBER SHEET PACKING; METALLIC PACKING; SEMI-METALLIC PACKING; ASBESTOS, RUBBER, AND RUBBER AND DUCK SPIRAL PACKINGS; FLAX AND HYDRAULIC PACKINGS; STEAM HOSE, AIR HOSE, AND WATER HOSE; RUBBER BELTING, LEATHER BELTING AND BALATA BELTING FOR POWER TRANSMISSION, ELEVATING AND CONVEYING PURPOSES; HIGH TEMPERATURE VALVE DISC PACKINGS; AND RING PACKINGS.
Claims use since January 1933.

Ser. No. 496,977. Morgan Tire Company, doing business as Morgan, Cincinnati, Ohio. Filed Feb. 20, 1946.

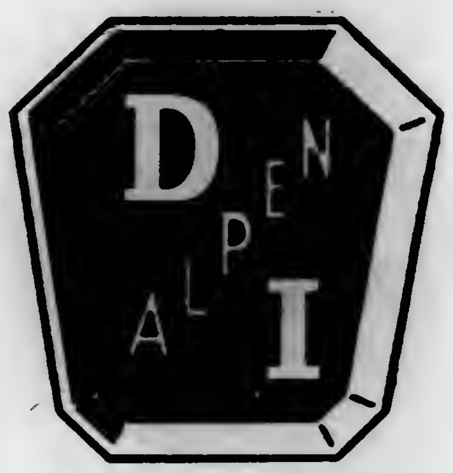
NYLAFLEX

FOR TIRE REPAIR UNITS—NAMELY, RUBBER AND FABRIC PATCHES ADAPTED TO BE POSITIONED ON THE INNER SURFACE OF A TIRE CASING.
Claims use since Feb. 1, 1946.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 493,933. Noah R. Steury, Decatur, Ind. Filed Dec. 27, 1945.



No claim is made to the word "Alpen" apart from the mark.

FOR MUSICAL CIGARETTE, JEWELRY, AND POWDER BOXES MADE FROM WOOD AND PLASTICS.

Claims use since March 1944.

Ser. No. 504,174. Gotham Record Corp., New York, N. Y. Filed June 19, 1946.

Gotham

FOR ALBUMS OF GROOVED PHONOGRAPH RECORDS.

Claims use since Apr. 15, 1946.

Ser. No. 504,697. Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Filed June 27, 1946. Under the act of February 20, 1905, as amended June 10, 1938.

Hearthstone

FOR PIANOS AND ORGANS.

Claims use since Feb. 13, 1945.

CLASS 37

PAPER AND STATIONERY

Ser. No. 485,901. Caesar A. Calder, doing business as Time Savers, Montclair, N. J. Filed July 17, 1945.

LOX-IN

FOR SHIRT COLLAR SUPPORTS MADE OF CARDBOARD AND ADAPTED TO BE INSERTED BENEATH THE COLLAR OF A SHIRT TO KEEP IT UNDENTED.

Claims use since Aug. 1, 1943.

Ser. No. 494,426. Comet Envelope & Paper Co. Inc., New York, N. Y. Filed Jan. 8, 1946.

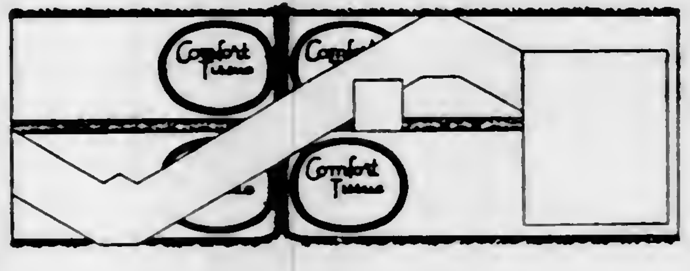
IGLOO-WRAP

No claim is made to the word "Wrap" apart from the mark as shown.

FOR WRAPPING PAPER FOR FROZEN FOOD PRODUCTS.

Claims use since Dec. 10, 1945.

Ser. No. 504,036. Comfort Paper Corporation, San Francisco, Calif. Filed June 17, 1946.



Applicant is the owner of Reg. No. 331,232. The word "Tissue" is disclaimed apart from the mark as shown.

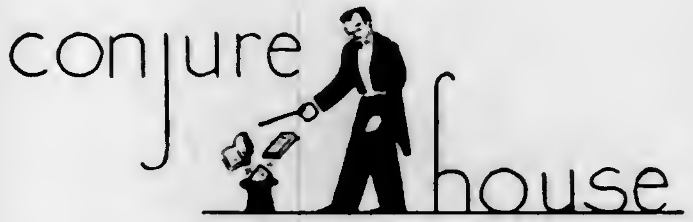
FOR TOILET TISSUE SOLD IN PACKAGES CONTAINING FOUR ROLLS.

Claims use since Aug. 15, 1943.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 497,449. Business News Publishing Company, Detroit, Mich. Filed Mar. 1, 1946.



The portrait shown as a part of the mark is merely fanciful.

FOR PRINTED BOOKS.

Claims use since Dec. 2, 1945.

Ser. No. 503,528. Packaging Institute, Inc., New York, N. Y. Filed June 8, 1946.

FOR PERIODICAL PUBLICATION.

Claims use since Mar. 8, 1946.

Ser. No. 503,862. Betz, Incorporated, Seattle, Wash. Filed June 14, 1946.

Yulejoy

FOR SEASONAL-TOPIC TRANSPARENT PRINTS, ADAPTED TO BE PLACED UPON A WINDOW PANE.

Claims use since Apr. 15, 1946.

CLASS 39

CLOTHING

Ser. No. 478,969. Crown Manufacturing Company, Inc., San Francisco, Calif. Filed Jan. 25, 1945.

Siestawear BY CROWN of CALIFORNIA

No claim is made to the words "Of California" apart from the mark.

FOR MEN'S PAJAMAS AND SPORT SHIRTS.

Claims use since Aug. 15, 1944.

Ser. No. 490,238. Duchess Royal, New York, N. Y. Filed Oct. 20, 1945.

AIRWORTHY

FOR RAINCOATS, JACKETS, SPORT JACKETS, AND BATHING SUITS.

Claims use since Apr. 15, 1944.

Ser. No. 490,239. Duchess Royal, New York, N. Y. Filed Oct. 20, 1945.

SEAWORTHY

FOR RAINCOATS, JACKETS, SPORT JACKETS, AND BATHING SUITS.

Claims use since Mar. 12, 1944.

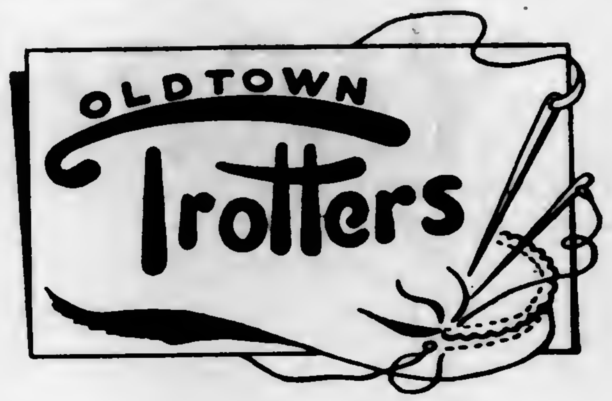
Ser. No. 497,287. Wimelbacher & Rice, Inc., New York, N. Y. Filed Feb. 26, 1946.

Wear-Right

FOR LEATHER AND FABRIC GLOVES.

Claims use since 1907.

Ser. No. 497,402. Old Town Shoe Company, Old Town, Maine. Filed Feb. 28, 1946.

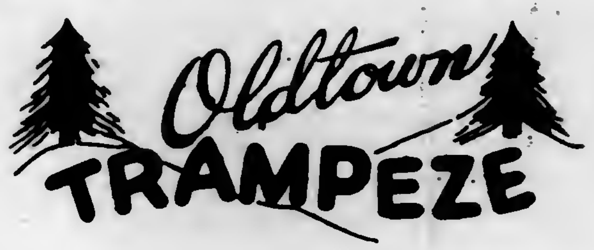


The word "Oldtown" and the representation of a moccasin are claimed only in the association shown.

FOR SHOES MADE OF LEATHER, FABRIC, OR RUBBER, OR COMBINATIONS OF SAID MATERIALS FOR MEN, WOMEN, AND CHILDREN.

Claims use since Dec. 1, 1945.

Ser. No. 497,408. Penobscot Shoe Company, Old Town, Maine. Filed Feb. 28, 1946.



The word "Oldtown" is claimed only in the association shown.

FOR SHOES MADE OF LEATHER, FABRIC, OR RUBBER, OR COMBINATIONS OF SAID MATERIALS FOR MEN, WOMEN, AND CHILDREN.

Claims use since June 1, 1941.

Ser. No. 499,378. Brook Manufacturing Company (Northampton) Limited, Northampton, England. Filed Apr. 1, 1946.

CAPSA

FOR WOMEN'S AND CHILDREN'S COATS, SUITS, SKIRTS, BLOUSES, DRESSES, FROCKS, JUMPERS, VESTS, KNICKERS, CHEMISES, PANTIES, SLIPS, CAMISOLES, CAMIKNICKERS, BRASSIÈRES, BUST BODICES, NIGHTDRESSES, AND PAJAMAS.

Claims use since Dec. 15, 1944.

Ser. No. 499,379. Brown & Wilkinson Limited, London, England. Filed Apr. 1, 1946.

BRILKIE

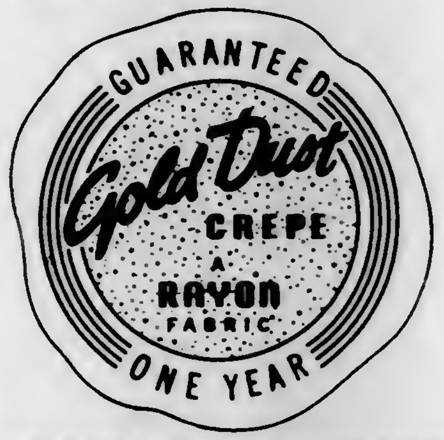
FOR WOMEN'S AND CHILDREN'S COATS, SUITS, SKIRTS, BLOUSES, DRESSES, FROCKS, JUMPERS, VESTS, KNICKERS, CHEMISES, PANTIES, SLIPS, CAMISOLES, CAMIKNICKERS, BRASSIÈRES, BUST BODICES, NIGHTDRESSES, AND PAJAMAS.
Claims use since Apr. 28, 1945.

Ser. No. 501,724. Dumari Textile Co., Inc., New York, N. Y. Filed May 9, 1946.

YIPPI

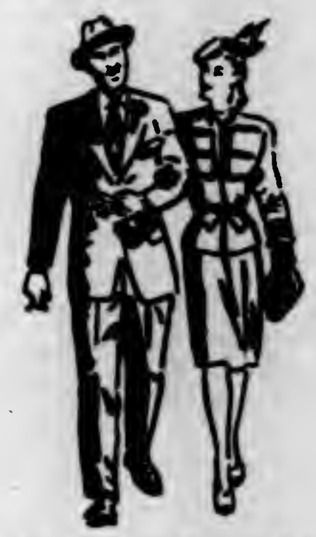
FOR LADIES' AND MISSES' DRESSES.
Claims use since July 15, 1937.

Ser. No. 502,788. Arrow Undies, Inc., New York, N. Y. Filed May 27, 1946.



Applicant disclaims all of the wording appearing on the drawing with the exception of the words "Gold Dust."
FOR LADIES' AND GIRLS' UNDER-GARMENTS, CONSISTING OF SLIPS, CHEMISES, NEGLIGEES, PAJAMAS, PANTS, GOWNS, NIGHTGOWNS, BRASSIÈRES, STEP-INS, PANTIES; AND BLOUSES AND UNIFORMS AS OUTERGARMENTS.
Claims use since August 1938.

Ser. No. 503,770. Stone-Tarlow Co., Inc., Brockton, Mass. Filed June 12, 1946.



The pictures of the man and woman are fanciful.
FOR SHOES OF LEATHER, FABRIC, OR OF COMBINATIONS OF SAID MATERIALS.
Claims use since Apr. 15, 1946.

Ser. No. 504,926. Panther-Panco Rubber Co., Inc., Chelsea, Mass. Filed July 1, 1946.

PANOLENE

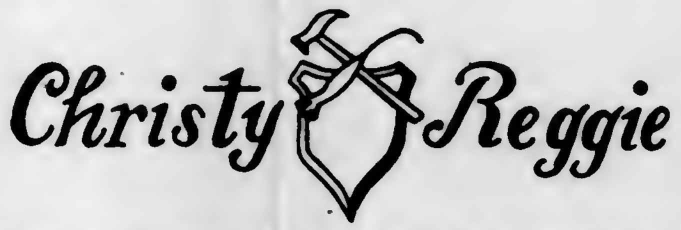
FOR SHOE SOLES OF RUBBER OR RUBBER-LIKE COMPOSITION.
Claims use since Feb. 28, 1945.

Ser. No. 505,265. David J. Stolman, Gloversville, N. Y. Filed July 8, 1946.

SPORTLIFE
Sportswear

No claim is made to the word "Sportswear" apart from the mark.
FOR WOOL, LEATHER, COTTON, AND RAYON JACKETS, SUITS, PANTS, AND SWIM SUITS FOR USE BY MEN, WOMEN, BOYS, AND GIRLS.
Claims use since February 1945.

Ser. No. 505,446. Christy Reggie, doing business as Southern Beauties, Waynesville, N. C. Filed July 11, 1946.



The right to the exclusive use of the name "Christy" is disclaimed except in the relation and association upon the drawing.
FOR MEN'S AND LADIES' SHOES MADE OF LEATHER, CANVAS, FABRIC, OR COMPOSITIONS AND COMBINATIONS THEREOF.
Claims use since April 1946.

Ser. No. 506,519. Louis Gastwirth & Co., New York, N. Y. Filed July 30, 1946.

Gem-Paca
TAILORED LIKE DADDY'S

The words "Tailored Like Daddy's" are disclaimed apart from the mark.
FOR CHILDREN'S COATS AND LEGGING SETS.
Claims use since 1937.

Ser. No. 507,209. Munsingwear, Inc., Minneapolis, Minn. Filed Aug. 10, 1946.

Balbeauties

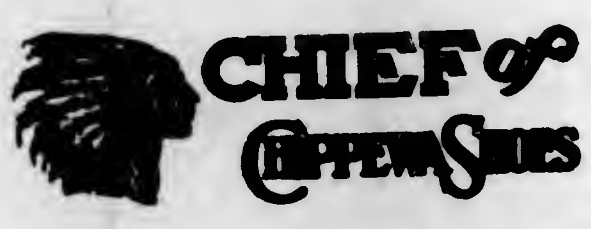
FOR WOMEN'S PAJAMAS.
Claims use since July 29, 1946.

Ser. No. 507,328. Melville Shoe Corporation, New York, N. Y. Filed Aug. 13, 1946.

Alyson

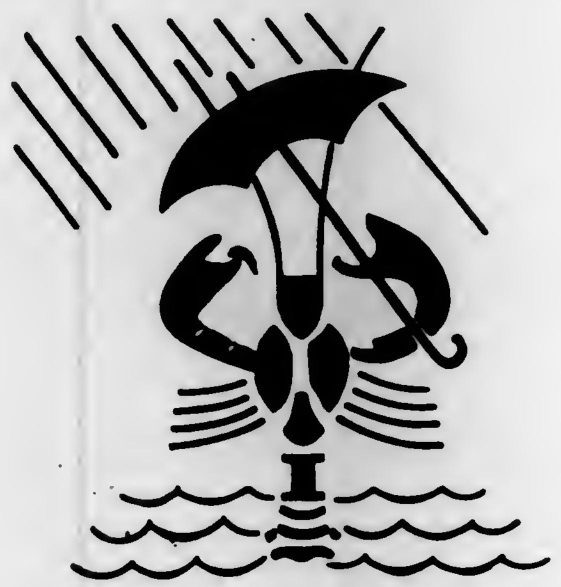
FOR SHOES MADE OF LEATHER, RUBBER, OR FABRIC OR COMBINATIONS OF SUCH MATERIALS.
Claims use since Aug. 1, 1946.

Ser. No. 507,374. Chippewa Shoe Co., Chippewa Falls, Wis. Filed Aug. 14, 1946.



No claim is made to the exclusive use of the word "Shoes" apart from the mark.
FOR LEATHER BOOTS AND SHOES.
Claims use since Jan. 31, 1933.

Ser. No. 507,471. Van Baalen Heilbrun & Co., New York, N. Y. Filed Aug. 15, 1946.



FOR RAINCOATS FOR MEN, WOMEN, BOYS, AND GIRLS.
Claims use since September 1942.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 495,329. Ranger-Tennere, Inc., New York, N. Y. Filed Jan. 24, 1946.

Ranger-Tennere

FOR WATCH STRAPS MADE OF PLASTIC MATERIAL.
Claims use since June 1945.

Ser. No. 496,930. Sitroux Inc., New York, N. Y. Filed Feb. 19, 1946.

Queen Quality

The word "Quality" is disclaimed apart from the mark.
FOR HAIR ROLLS.
Claims use since May 15, 1914.

Ser. No. 498,362. V. Vivaudou, Inc., Long Island City, N. Y. Filed Mar. 16, 1946.

Bra-Chet

Applicant disclaims exclusively the use of the term "Bra" apart from the mark shown.
FOR SACHET.
Claims use since December 1943.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 501,154. Associated Merchandizing Corporation, New York, N. Y. Filed Apr. 30, 1946.

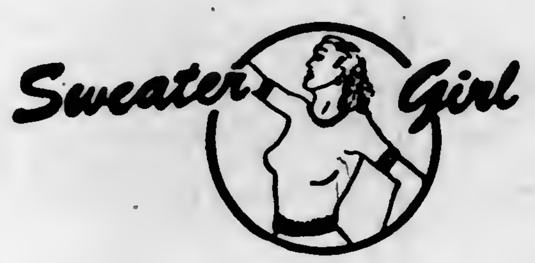
Vanity House

FOR WINDOW CURTAINS.
Claims use since Jan. 15, 1946.

CLASS 43

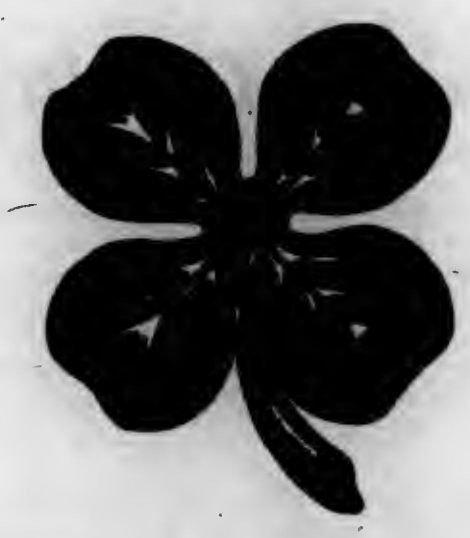
THREAD AND YARN

Ser. No. 505,932. Viking Yarn Mills, Inc., Philadelphia, Pa. Filed July 19, 1946.



The picture of the girl appearing in the mark is fanciful. The word "Sweater" is disclaimed apart from the mark.
FOR YARN.
Claims use since Sept. 15, 1945.

Ser. No. 510,297. THE AMERICAN THREAD COMPANY, New York, N. Y. Filed Oct. 5, 1946.



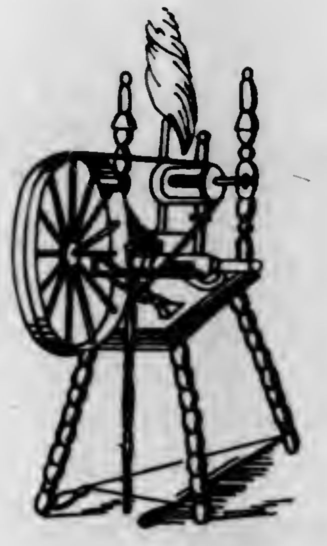
FOR THREAD.
Claims use since Aug. 28, 1946.

Ser. No. 510,298. BERNHARD ULMANN CO. INC., New York, N. Y. Filed Oct. 5, 1946.

WONDERIZED

FOR YARNS.
Claims use since Sept. 12, 1946.

Ser. No. 510,836. GLAZEBROCK, STEEL & COMPANY LIMITED, Manchester, England. Filed Oct. 14, 1946.



FOR YARN (FOR WEAVING) WHOLLY OF COTTON.
Claims use since Jan. 1, 1886.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 496,990. EDWARD EMANUEL SHELDON, New York, N. Y. Filed Feb. 20, 1946.

FLUOROTRON

FOR FLUOROSCOPES FOR SURGICAL AND DIAGNOSTIC USE.
Claims use since Feb. 6, 1946.

CLASS 45

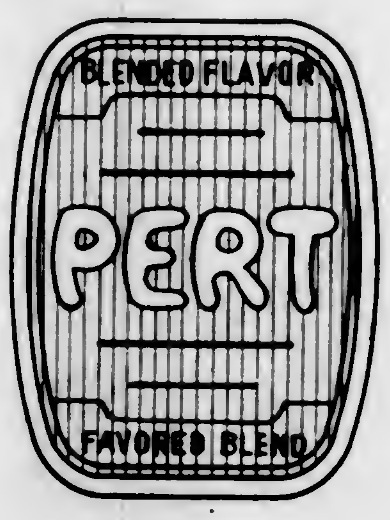
SOFT DRINKS AND CARBONATED WATERS

Ser. No. 481,706. GRAY HILSMAN, Jackson, Miss. Filed Apr. 4, 1945.

TĒKŌ

FOR CARBONATED, NON-ALCOHOLIC BEVERAGES TO BE SOLD AS SOFT DRINKS, AND EXTRACTS AND CONCENTRATES USED IN PREPARATION OF THE SAME.
Claims use since Mar. 13, 1945.

Ser. No. 503,933. PERT BOTTLING COMPANY, Philadelphia, Pa. Filed June 14, 1946.



The words "Blended Flavor—Favored Blend" are disclaimed apart from the mark as shown. The drawing is lined for the color red.
FOR MALTLESS NON-ALCOHOLIC CARBONATED BEVERAGES SOLD AS SOFT DRINKS AND SYRUPS AND EXTRACTS FOR MAKING THE SAME.
Claims use since Feb. 1, 1946.

Ser. No. 505,058. FRANK H. JONES, Fort Worth, Tex. Filed July 3, 1946.

Colette

FOR NON-ALCOHOLIC, NON-CEREAL, AND MALTLESS CARBONATED BEVERAGES.
Claims use since Mar. 15, 1946.

CLASS 46

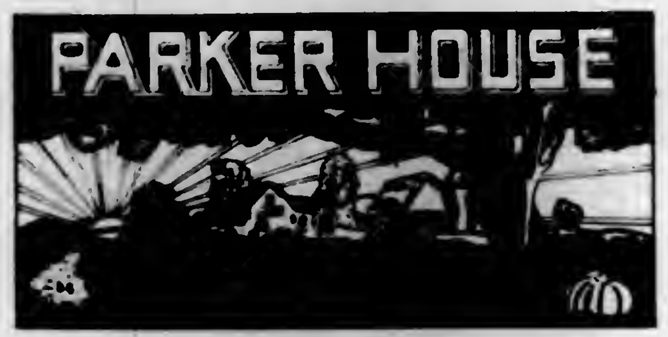
FOODS AND INGREDIENTS OF FOODS

Ser. No. 448,949. PARKER HOUSE SAUSAGE CO., Chicago, Ill. Filed Nov. 26, 1941.

PARKER HOUSE

Applicant is the owner of registration No. 260,227 for the mark "Parker House." No claim is made to the surname "Parker" apart from the mark, but applicant waives none of its common-law rights.
FOR SAUSAGE IN BULK AND IN CASINGS.
Claims use since about Dec. 1, 1921.

Ser. No. 449,727. PARKER HOUSE SAUSAGE CO., Chicago, Ill. Filed Dec. 23, 1941.



Applicant is the owner of registration No. 260,227 for the mark "Parker House." No claim is made to the surname "Parker" apart from the mark.
FOR SAUSAGE IN BULK AND IN CASINGS.
Claims use since Dec. 1, 1921.

Ser. No. 486,479. DIXIE-DEL FARMS, Lewes, Del. Filed July 30, 1945.

DIXIE-DEL FARMS

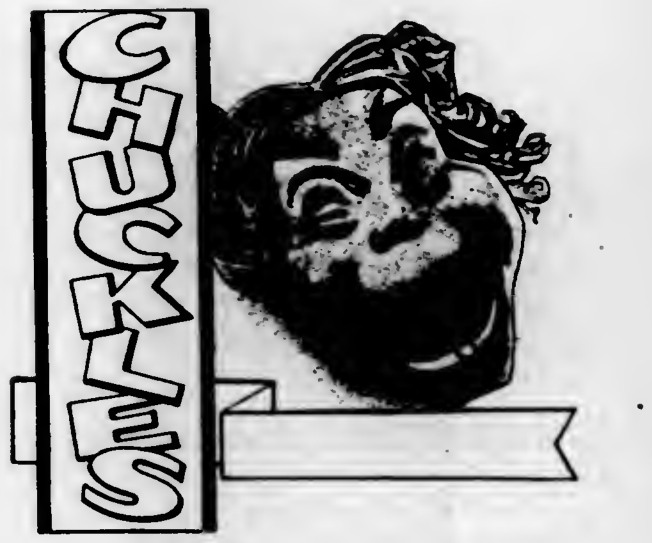
The word "Farms" is disclaimed apart from the mark.
FOR TURKEYS LIVE AND DRESSED, TURKEY POULTS AND FRESH AND HATCHING EGGS.
Claims use since 1927.

Ser. No. 489,607. PLACENTIA ORANGE GROWERS ASSOCIATION, Fullerton, Calif. Filed Oct. 8, 1945.

CALIFORNIA BELLE

Applicant is the owner of Reg. No. 202,742. No claim is made to the exclusive right to the use of the word "California," apart from the other features of the mark.
FOR FRESH CITRUS FRUITS.
Claims use since 1905.

Ser. No. 495,451. CONSOLIDATED CITRUS GROWERS, Tempe, Ariz. Filed Jan. 26, 1946.



The figure in the drawing is fanciful.
FOR FRESH CITRUS FRUITS.
Claims use since Dec. 29, 1945.

Ser. No. 497,733. MINNESOTA VALLEY CANNING COMPANY, Le Sueur, Minn. Filed Mar. 6, 1946.

TRAILER

FOR CANNED PEAS.
Claims use since June 7, 1937.

Ser. No. 500,312. JOHN W. LEAVITT COMPANY, Boston, Mass. Filed Apr. 16, 1946.

TEDDIE

FOR POPCORN IN ITS NATURAL STATE.
Claims use since 1925.

Ser. No. 501,056. DREYFUS CO., INC., New York, N. Y. Filed Apr. 27, 1946. Under 10-year proviso.

Dreyfus Co. Inc.

FOR PICKLES, SAUERKRAUT, MUSTARD, AND VINEGAR.
Claims use since the year 1876.

Ser. No. 501,262. D. E. Myers, doing business as Earle Myers Co., Oceano, Calif. Filed May 1, 1946.

TOP BRACKET

FOR FRESH VEGETABLES.
Claims use since September 1945.

Ser. No. 503,658. Jesse D. McDonald, Enid, Okla. Filed June 11, 1946.

Walking Dog

No claim is made to the word "Dog" apart from the mark as shown.

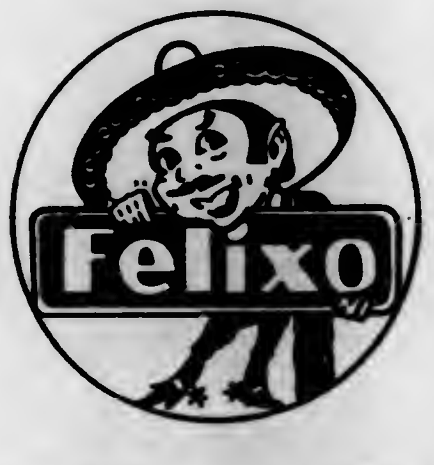
FOR SANDWICHES COMPOSED OF BUNS WHICH ARE CORED AND CONTAIN SAUSAGE OR OTHER FILLINGS.
Claims use since April 1941.

Ser. No. 504,374. Palmer C. Mendelson Co., San Francisco, Calif. Filed June 21, 1946.

GLOBAL

FOR FRESH DECIDUOUS FRUITS AND FRESH VEGETABLES.
Claims use since Apr. 13, 1946.

Ser. No. 506,009. Felix G. Cohen, doing business as The Felix Cohen Co., Oakland, Calif. Filed July 22, 1946.



Applicant is the owner of Reg. No. 411,549.

FOR FRESH CITRUS FRUITS, FRESH DECIDUOUS FRUITS, FRESH VEGETABLES, AND DRIED FRUITS.
Claims use since Apr. 1, 1946.

Ser. No. 506,753. M. J. Holloway & Co., Chicago, Ill. Filed Aug. 2, 1946.

HI-NOON

FOR CANDY.
Claims use since November 1934.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 480,680. The Stirling Bonding Company Limited, Dumbarton, Scotland. Filed Mar. 8, 1945.

GAELIC OLD SMUGGLER

No claim is made to the word "Old" apart from the association shown.

FOR WHISKY.
Claims use since at least the year 1915.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 490,367. Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Filed Oct. 23, 1945. Under section 5b of the act of 1905 as amended in 1920 as to "Dunlop."

DUNLOP
Pillo-Foam

Applicant disclaims the words "Foam" and "Pillo" except or aside from the combination shown.

FOR RUG PADS OF FOAMED LATEX RUBBER.
Claims use since Sept. 27, 1945.

Ser. No. 493,349. The B. F. Goodrich Company, doing business as Hood Rubber Company, New York, N. Y., and Watertown, Mass. Filed Dec. 15, 1945.

Arrafilm

FOR UNSUPPORTED FILM IN SHEET FORM MADE OF A THERMOPLASTIC RESIN SUITABLE FOR USE AS A LEATHER SUBSTITUTE.
Claims use since Mar. 13, 1945.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF FEBRUARY 20, 1905

APRIL 1, 1947

428,629. MEDICINAL PREPARATION FOR THE TREATMENT OF PAINS, HEADACHES, AND DISCOMFORTS DUE TO COLDS. The Upjohn Company, Kalamazoo, Mich.
Filed September 23, 1943. Serial No. 463,611. PUBLISHED JUNE 25, 1946. Class 6.

428,630. DIAMONDS, PRECIOUS STONES, AND DIAMOND RINGS. Joseph Baumgold, doing business as The Guild of American Diamond Cutters, New York, N. Y.
Filed July 19, 1944. Serial No. 472,376. PUBLISHED JANUARY 14, 1947. Class 28.

428,631. TABLETS FOR THE RELIEF OF COLD SYMPTOMS. Foley & Company, Chicago, Ill.
Filed September 8, 1944. Serial No. 473,982. PUBLISHED JANUARY 7, 1947. Class 6.

428,632. COUGH MEDICINE TO BE TAKEN INTERNALLY. Tyso Company, Boston, Mass.
Filed September 12, 1944. Serial No. 474,146. PUBLISHED JANUARY 7, 1947. Class 6.

428,633. VARNISH AND FILLER FOR THE PORES OF PANAMA STRAW HATS. Diamond Products Mfg. Co., Inc., New York, N. Y.
Filed October 2, 1944. Serial No. 474,790. PUBLISHED NOVEMBER 19, 1946. Class 16.

428,634. PERFUMES, TOILET WATERS, AND COSMETIC CREAMS. Lentheric, Incorporated, New York, N. Y.
Filed October 3, 1944. Serial No. 474,859. PUBLISHED DECEMBER 24, 1946. Class 6.

428,635. MENTHOL PLASTERS USED FOR RHEUMATIC AND NEURALGIC PAINS, MUSCULAR CRAMPS, SPRAINS AND STRAINS, LUMBAGO, AND SCIATICA; SALVE FOR EXTERNAL USE, ETC. Davis & Lawrence Company, Dobbs Ferry, N. Y.
Filed December 23, 1944. Serial No. 477,869. PUBLISHED JANUARY 7, 1947. Class 6.

428,636. LIQUID MEDICINES AND LIQUID VACCINES FOR THE TREATMENT OF RHEUMATISM, SCIATICA, LUMBAGO, ETC. Laboratorios Veter, S. A., Habana, Cuba.
Filed December 23, 1944. Serial No. 477,891. PUBLISHED DECEMBER 31, 1946. Class 6.

428,637. BALL VALVE FOR FAUCETS. Perle E. Beason, Springfield, Ohio.
Filed January 4, 1945. Serial No. 478,205. PUBLISHED MARCH 20, 1945. Class 13.

428,638. SAND CASTINGS AND PERMANENT MOLD CASTINGS MADE OF NON-FERROUS METALS. Ebaloy Foundries, Inc., Rockford, Ill., now by change of name Ebaloy, Incorporated.
Filed February 14, 1945. Serial No. 479,783. PUBLISHED JULY 24, 1945. Class 14.

428,639. SAND CASTINGS AND PERMANENT MOLD CASTINGS MADE OF NON-FERROUS METALS. Ebaloy Foundries, Inc., Rockford, Ill., now by change of name Ebaloy, Incorporated.
Filed February 14, 1945. Serial No. 479,784. PUBLISHED JULY 24, 1945. Class 14.

428,640. HAIR DRESSING PREPARATION. Great Atlantic Laboratories, Inc., Boston, Mass.
Filed February 22, 1945. Serial No. 480,107. PUBLISHED DECEMBER 31, 1946. Class 6.

428,641. PERFUMES AND COLOGNES. Harry A. Simon, doing business as La Floreal Parfum Sales Co., Hollywood, Calif.
Filed April 14, 1945. Serial No. 482,183. PUBLISHED DECEMBER 24, 1946. Class 6.

428,642. METAL TUBING AND SHAPED METAL TUBE LENGTHS. Bundy Tubing Company, Detroit and Center Line, Mich.
Filed April 20, 1945. Serial No. 482,362. PUBLISHED JANUARY 7, 1947. Class 13.

428,643. PERFUMES, ROUGES, LIPSTICKS, FACE POWDER, TALCUM POWDER, SACHET POWDERS, TOILET WATERS, SKIN AND HAIR CREAMS, SKIN AND HAIR LOTIONS AND SKIN AND HAIR OILS. Ethel Lea Nore, Inc., Brooklyn, N. Y.
Filed May 9, 1945. Serial No. 483,140. PUBLISHED JANUARY 7, 1947. Class 6.

428,644. PERFUMES, ROUGES, LIPSTICKS, FACE POWDER, TALCUM POWDER, SACHET POWDERS, TOILET WATERS, SKIN AND HAIR CREAMS, SKIN AND HAIR LOTIONS, AND SKIN AND HAIR OILS. Ethel Lea Nore, Inc., Brooklyn, N. Y.
Filed May 9, 1945. Serial No. 483,141. PUBLISHED JANUARY 7, 1947. Class 6.

428,645. PERFUMES, TOILET CREAMS, EAU DE COLOGNE, FACE LOTIONS, ROUGES, NAIL POLISHES, DENTIFRICES, FACE POWDER, MASCARA. Myrurgia, S. A., Barcelona, Spain.
Filed May 12, 1945. Serial No. 483,277. PUBLISHED SEPTEMBER 4, 1945. Class 6.

428,646. MEDICINAL PREPARATIONS FOR THE RELIEF OF DISCOMFORT DUE TO COLDS AND KINDRED AILMENTS. The Upjohn Company, Kalamazoo, Mich.
Filed May 19, 1945. Serial No. 483,596. PUBLISHED JANUARY 7, 1947. Class 6.

428,647. SHOULDER PADS DESIGNED FOR USE IN WEARING APPAREL. Salem Products Corp., New York, N. Y.
Filed May 29, 1945. Serial No. 483,930. PUBLISHED JANUARY 14, 1947. Class 40.

428,648. WITCH HAZEL, MEDICINAL MINERAL OIL, PEROXIDE OF HYDROGEN, AFTER SHAVE LOTION. The Slate Company, doing business under the name Quinco Products, Quincy, Mass.
Filed May 30, 1945. Serial No. 483,993. PUBLISHED MARCH 26, 1946. Class 6.

428,649. ANTISEPTIC DRESS SHIELDS. Le Sonier, Inc., Boston, Mass.
Filed June 2, 1945. Serial No. 484,096. PUBLISHED JANUARY 14, 1947. Class 40.

428,650. FLEXIBLE PIPE COUPLINGS AND PIPE FITTINGS. Victaulic Company of America, New York, N. Y.
Filed June 2, 1945. Serial No. 484,110. PUBLISHED JANUARY 7, 1947. Class 13.

428,651. SLIDE FASTENERS. Herman Snyder, doing business as Bondlok Products Company, New York, N. Y.
Filed June 29, 1945. Serial No. 485,248. PUBLISHED JANUARY 14, 1947. Class 13.

428,652. BUILDING SPECIALTIES—NAMELY, ASPHALT TILE ADHESIVE CEMENT; A CHEMICAL COMPOSITION FLOOR COVERING, ETC. Chadwick Knowles, doing business as Fryer-Knowles, Seattle, Wash.
Filed July 2, 1945. Serial No. 485,349. PUBLISHED JANUARY 14, 1947. Class 12.

428,653. PREPARATION FOR THE TREATMENT OF COCCIDIOSIS. Ebersole-Gaetz-Rhodes Co., Clarence Center, N. Y.
Filed July 16, 1945. Serial No. 485,862. PUBLISHED DECEMBER 31, 1946. Class 6.

428,654. MEDICINAL FEEDING PREPARATION IN DRY, GRANULAR, OR POWDERED FORM USED IN POULTRY FEEDS AS AN AID IN THE PREVENTION OF RICKETS. Nutritional Research Associates, Inc., South Whitley, Ind.
Filed July 23, 1945. Serial No. 486,159. PUBLISHED DECEMBER 24, 1946. Class 6.

428,655. LIPSTICK. Richard Hudnut, New York, N. Y.
Filed August 3, 1945. Serial No. 486,674. PUBLISHED DECEMBER 24, 1946. Class 6.

428,656. HOUSEHOLD UTENSILS MADE OF BASE METAL—NAMELY, FUNNELS, STRAINERS, AND COMBINATION FUNNELS AND STRAINERS. Plastic Metal Manufacturing Company, Chicago, Ill.
Filed August 17, 1945. Serial No. 487,206. PUBLISHED JANUARY 14, 1947. Class 13.

428,657. JEWELS AND FORMED ORNAMENTAL JEWEL PIECES FOR RING SETS, BROOCHES, PENDANTS, EARRINGS, TIARAS, AND NECKLACES. United States Quarry Tile Company, Canton and East Sparta, Ohio, and Parkersburg, W. Va.
Filed August 17, 1945. Serial No. 487,229. PUBLISHED DECEMBER 31, 1946. Class 28.

428,658. PAPER OF ALL KINDS—NAMELY, BOOK PAPER, BOND PAPER, INDEX PAPER, LEDGER PAPER, WRITING PAPER, ETC. Copy Papers, Inc., Chicago, Ill.
Filed September 1, 1945. Serial No. 487,888. PUBLISHED JANUARY 14, 1947. Class 37.

428,659. COSMETIC SKIN CREAM. Vivienne Berman, doing business as Kennard Company, Meridian, Miss., and New York, N. Y.
Filed September 19, 1945. Serial No. 488,685. PUBLISHED JANUARY 7, 1947. Class 6.

428,660. RESIN FINISH FOR CONCRETE FLOORS. The Selig Company, Atlanta, Ga.
Filed September 20, 1945. Serial No. 488,782. PUBLISHED MAY 7, 1946. Class 16.

428,661. NAIL POLISH, LIPSTICK, ROUGE, EYE SHADOW, SACHET POWDERS, HAIR SHAMPOO, HAIR TONIC, ETC. Alberto Caimi Garmendia, Buenos Aires, Argentina.
Filed October 5, 1945. Serial No. 489,456. PUBLISHED DECEMBER 24, 1946. Class 6.

428,662. TUBES FOR USE AS FLUID CONDUITS, RODS FOR USE AS VALVE STEMS, VALVE SEAT RINGS AND VALVE DISC CLOSURES FOR FLUID VALVES, AND PIPE LINE COUPLINGS FOR PLUMBING AND STEAM FITTING USE. United States Quarry Tile Company, Canton and East Sparta, Ohio, and Parkersburg, W. Va.
Filed October 6, 1945. Serial No. 489,546. PUBLISHED JANUARY 14, 1947. Class 13.

428,663. MEDICINES HAVING GERMICIDAL, ANTIBACTERIAL, AND ANTISEPTIC PROPERTIES, USED BOTH INTERNALLY AND EXTERNALLY. Westbury Chemical Company, Inc., New York, N. Y.
Filed October 6, 1945. Serial No. 489,549. PUBLISHED DECEMBER 31, 1946. Class 6.

428,664. PREPARATION FOR TREATING COLON AND STOMACH DISORDERS AND TO LIBERATE GAS FROM THE BOWELS. Jack E. Hunter, Van Port City, Oreg.
Filed October 8, 1945. Serial No. 489,583. PUBLISHED DECEMBER 31, 1946. Class 6.

428,665. LIQUID, AIR FRESHENING DEODORANTS. O-Cedar of Canada Limited, Toronto, Ontario, Canada.
Filed October 8, 1945. Serial No. 489,605. PUBLISHED DECEMBER 31, 1946. Class 6.

428,666. CHEMICAL PREPARATION FOR REMOVING RUST. John T. Walker, doing business as Allied Products Company, Chicago, Ill.
Filed October 10, 1945. Serial No. 489,779. PUBLISHED MARCH 26, 1946. Class 6.

428,667. BOOK BINDING CLOTH. Athol Manufacturing Company, Athol, Mass.
Filed November 3, 1945. Serial No. 490,990. PUBLISHED JANUARY 14, 1947. Class 42.

428,668. PAINTS IN DRY, PASTE, OR READY-MIXED FORM, AND PAINT ENAMELS. The Martin-Senour Company, Chicago, Ill.
Filed November 10, 1945. Serial No. 491,420. PUBLISHED NOVEMBER 26, 1946. Class 16.

428,669. COSMETICS—NAMELY, COIFFURE LACQUER, EYE LASH AND BROW COSMETIC, HAIR DRESSING, HAIR REMOVER, ETC. Kenra, Incorporated, Indianapolis, Ind.
Filed December 1, 1945. Serial No. 492,500. PUBLISHED JANUARY 7, 1947. Class 6.

428,670. BRILLIANTINE, HAIR OIL, HAIR POMADE, HAIR TONIC, HAIR DRESSING, HAIR SHAMPOO, WAVE SET, ETC. M. L. Ramirez, doing business as R & R Products Company, Corpus Christi, Tex.
Filed December 5, 1945. Serial No. 492,738. PUBLISHED JANUARY 7, 1947. Class 6.

428,671. SHEETING COMPOSED OF POLYVINYL AND POLYETHYLENE USED IN THE MANUFACTURE OF WARDROBE BAGS. Stor-Aid, Inc., New York, N. Y.
Filed December 5, 1945. Serial No. 492,747. PUBLISHED JANUARY 14, 1947. Class 42.

428,672. FULL GLOSS ENAMEL, GLOSS ENAMEL PAINTS OF VARIOUS COLORS AS WELL AS WHITE. Ellis Paint Company, Long Beach, Calif.
Filed December 7, 1945. Serial No. 492,827. PUBLISHED DECEMBER 31, 1946. Class 16.

428,673. SYNTHETIC RESIN IN SOLID, MASSIVE FORM FOR USE WITH NITROCELLULOSE OR ETHYL CELLULOSE IN COATING MATERIALS FOR CLOTH, ETC. Hercules Powder Company, Wilmington, Del.
Filed December 13, 1945. Serial No. 493,190. PUBLISHED JANUARY 14, 1947. Class 1.

428,674. TWINE, SOLID BRAIDED COTTON SASH CORD, AND ROPE. Auburn Cordage & Twine Co., Inc., Auburn, N. Y.
Filed December 14, 1945. Serial No. 493,243. PUBLISHED JANUARY 14, 1947. Class 7.

428,675. WINDOW CURTAINS AND CURTAIN MATERIALS IN THE PIECE MADE OF COTTON, RAYON, SILK, LINEN, AND MIXTURES THEREOF. House Beautiful Curtains, Inc., New York, N. Y.
Filed December 15, 1945. Serial No. 493,356. PUBLISHED JANUARY 14, 1947. Class 42.

428,676. PURSES. Anita Gay Creations, Los Angeles, Calif.
Filed December 21, 1945. Serial No. 493,676. PUBLISHED JANUARY 14, 1947. Class 3.

428,677. WOOLEN PIECE GOODS. Botany Worsted Mills, Passaic, N. J.
Filed December 22, 1945. Serial No. 493,736. PUBLISHED JANUARY 14, 1947. Class 42.

428,678. VITAMIN CONCENTRATE TO BE INCORPORATED IN POULTRY AND LIVESTOCK FEED. Thompson-Hayward Chemical Company, Kansas City, Mo.
Filed December 22, 1945. Serial No. 493,851. PUBLISHED DECEMBER 31, 1946. Class 6.

428,679. STAINS, VARNISHES, LACQUERS, PAINT ENAMELS, PIGMENTS IN DRY AND PASTE FORM, CLEAR AND PIGMENTED SYNTHETIC RESIN, ETC. Floquil Products, Inc., New York, N. Y.
Filed December 29, 1945. Serial No. 494,051. PUBLISHED NOVEMBER 26, 1946. Class 16.

428,680. READY-MIXED INTERIOR AND EXTERIOR PAINTS—NAMELY, SCREEN FINISH AND TRANSPARENT WALL FINISH. Ingram Chemical Laboratories, Chicago, Ill.
Filed December 29, 1945. Serial No. 494,072. PUBLISHED NOVEMBER 26, 1946. Class 16.

428,681. HAIR WAVING LOTION AND NEUTRALIZER. Toni, Incorporated, St. Paul, Minn., assignor to Noma, Incorporated, St. Paul, Minn., a corporation of Minnesota.
Filed December 29, 1945. Serial No. 494,142. PUBLISHED JANUARY 7, 1947. Class 6.

428,682. UNWOVEN SHEETING IN THE NATURE OF CLOTH AND PAPER, COMPOSED OF VEGETABLE FIBERS MOLDED TOGETHER WITH A BINDING AGENT, ETC. Avondale Mills, Sylacauga, Ala.
Filed January 9, 1946. Serial No. 494,480. PUBLISHED JANUARY 14, 1947. Class 37.

428,683. MENTHOLATED FACIAL TISSUE TREATED WITH MENTHOL AND PINE OIL. The Tissue Products Co., New York, N. Y.
Filed January 10, 1946. Serial No. 494,585. PUBLISHED DECEMBER 24, 1946. Class 6.

428,684. TUBULAR PLASTIC BINDING FOR LEAVES IN THE NATURE OF A LOOSE LEAF BINDER. Freundlich-Gomez Machinery Corp., Brooklyn, N. Y.
Filed January 12, 1946. Serial No. 494,669. PUBLISHED JANUARY 14, 1947. Class 37.

428,685. FACE POWDER, FOUNDATION LOTION, AND ROUGE. Richard Hudnut, New York, N. Y.
Filed January 12, 1946. Serial No. 494,681. PUBLISHED DECEMBER 31, 1946. Class 6.

428,686. PERFUMED SACHET IN POWDER FORM. The Chemurg Corporation, New York, N. Y.
Filed January 16, 1946. Serial No. 494,814. PUBLISHED DECEMBER 24, 1946. Class 6.

428,687. WATER COOLERS AND DRINKING FOUNTAINS EMBODYING ICE AND MECHANICALLY OPERATED COOLING MEANS. Sunroc Refrigeration Company, Glen Riddle, Pa., assignor to Sunroc Refrigeration Company, a corporation of Delaware.
Filed January 21, 1946. Serial No. 495,158. PUBLISHED JANUARY 14, 1947. Class 31.

428,688. DYESTUFFS AND PIGMENT COLORS FOR USE IN COLORING TEXTILES, LEATHERS, AND PAPERS. Nova Chemical Corporation, New York, N. Y.
Filed January 25, 1946. Serial No. 495,403. PUBLISHED DECEMBER 24, 1946. Class 6.

428,689. WATCHES AND PARTS THEREOF. Felca Watch Corporation, New York, N. Y.
Filed January 29, 1946. Serial No. 495,600. PUBLISHED JANUARY 14, 1947. Class 27.

428,690. CIGARS. Emanuel Gesben, Baltimore, Md.
Filed February 1, 1946. Serial No. 495,799. PUBLISHED JANUARY 14, 1947. Class 17.

428,691. DOUBLE SALT OF CALCIUM ASCORBATE ACETYLSALICYLATE WITH VITAMIN K, HAVING USE AS AN ANALGESIC. Vitamins & Pharmaceuticals, Inc., Dover, Del.
Filed February 7, 1946. Serial No. 496,181. PUBLISHED DECEMBER 24, 1946. Class 6.

428,692. PAINT IN DRY POWDER FORM. George Kay, West Orange, N. J.
Filed February 8, 1946. Serial No. 496,243. PUBLISHED NOVEMBER 19, 1946. Class 16.

428,693. THROAT PASTILLE. Zitomer Chemists, Inc., New York, N. Y.
Filed February 9, 1946. Serial No. 496,361. PUBLISHED JANUARY 7, 1947. Class 6.

428,694. NON-ELECTRIC HAIR CURLING DEVICE NOT MADE OF PRECIOUS METAL. Mabel L. Wormington, Kansas City, Mo.
Filed February 13, 1946. Serial No. 496,529. PUBLISHED JANUARY 14, 1947. Class 40.

428,695. EARDROPS. Doho Chemical Corporation, New York, N. Y.
Filed February 14, 1946. Serial No. 496,548. PUBLISHED DECEMBER 24, 1946. Class 6.

428,696. MEDICINAL PREPARATION IN LIQUID FORM FOR THE TREATMENT OF STOMACH DISORDERS AND TO RELIEVE DISTRESS DUE TO DRINKING OR EATING. Louis Greenfield, doing business as Thyben Pharmacal Company, Philadelphia, Pa.
Filed February 19, 1946. Serial No. 496,906. PUBLISHED DECEMBER 31, 1946. Class 6.

428,697. BLOOD COAGULANT. The Wm. S. Merrell Company, Cincinnati, Ohio.
Filed February 19, 1946. Serial No. 496,919. PUBLISHED DECEMBER 24, 1946. Class 6.

428,698. HAIR DRESSING, PRESSING OIL, SCALP PREPARATIONS, SHAMPOO, DEODORANT CREAM, HAIR OIL, VANISHING CREAM, ETC. Mecos, Inc., New Orleans, La.
Filed February 26, 1946. Serial No. 497,259. PUBLISHED DECEMBER 31, 1946. Class 6.

428,699. PLUG VALVES. Rockwell Manufacturing Company, Pittsburgh and Homewood, Pittsburgh, Pa.
Filed February 27, 1946. Serial No. 497,335. PUBLISHED DECEMBER 31, 1946. Class 13.

428,700. ADHESIVE COMPOUND FOR PADDING AND TABBING SHEETS TOGETHER, AND FOR BOOKBINDING. Tri-Tix, Inc., Milwaukee, Wis.
Filed February 27, 1946. Serial No. 497,352. PUBLISHED JANUARY 14, 1947. Class 5.

428,701. MEDICATED CREAM ADAPTED FOR THE TREATMENT OF SIOCOSIS, ROSE ACNE, AND PILES. Anthony P. Sardou, doing business as A. P. Sardou Laboratories, Albany, N. Y.
Filed February 28, 1946. Serial No. 497,418. PUBLISHED DECEMBER 24, 1946. Class 6.

428,702. SYNTHETIC RESIN, IN MASSIVE, SOLID FORM, FOR USE IN PROTECTIVE COATINGS AND OTHER PURPOSES IN THE INDUSTRIAL ARTS. Hercules Powder Company, Wilmington, Del.
Filed March 1, 1946. Serial No. 497,478. PUBLISHED JANUARY 14, 1947. Class 1.

428,703. SYNTHETIC RESIN IN MASSIVE, SOLID FORM FOR USE IN MASTIC TILE. Hercules Powder Company, Wilmington, Del.
Filed March 1, 1946. Serial No. 497,479. PUBLISHED JANUARY 14, 1947. Class 1.

428,704. LINE-TAUT CLAMPS USED AS A PERMANENT INSTALLATION. Karleen Incorporated, Morris Plains, N. J.
Filed March 4, 1946. Serial No. 497,609. PUBLISHED DECEMBER 17, 1946. Class 13.

428,705. DECOLOURING SUBSTANCE IN GRANULAR FORM IN THE NATURE OF AN ARTIFICIAL RESIN USED FOR DECOLOURING AND BLEACHING SUGAR AND GLUCOSE. O. J. Meijer's Dextrinefabrieken N. V., Veendam, Netherlands.
Filed March 6, 1946. Serial No. 497,730. PUBLISHED DECEMBER 31, 1946. Class 6.

428,706. CHEMICAL PRODUCTS FOR USE IN COMBATING INSECTS AND FUNGI. Monsanto Chemical Company, St. Louis, Mo.
Filed March 14, 1946. Serial No. 498,242. PUBLISHED NOVEMBER 12, 1946. Class 6.

428,707. WAXES FOR FLOORS AND FURNITURE AND POLISHES FOR AUTOMOBILES, FLOORS, AND FURNITURE. Midland Laboratories, Dubuque, Iowa.
Filed March 15, 1946. Serial No. 498,300. PUBLISHED NOVEMBER 19, 1946. Class 16.

428,708. CLEANING AND WAXING PREPARATION FOR THE TREATMENT OF FLOORS AND SIMILAR SURFACES. G. H. Wood & Co. Limited, Toronto, Ontario, Canada.
Filed March 18, 1946. Serial No. 498,475. PUBLISHED JANUARY 7, 1947. Class 16.

428,709. FIXED OILS—NAMELY, ALMOND OIL AND OIL OF APRICOT KERNELS, USED IN THE MAKING OF COMPOUNDS FOR THE PERFUMING OF SOAPS AND COSMETICS AND FOR MAKING PERFUMES Antoine Chiris Company, Inc., New York, N. Y.
Filed March 20, 1946. Serial No. 498,582. PUBLISHED DECEMBER 24, 1946. Class 6.

428,710. COLOGNE, TOILET WATER, AND HAND LOTION. Samuel Greenblatt, doing business as Monogram Soap Company, Hollywood, Calif.
Filed March 21, 1946. Serial No. 498,691. PUBLISHED DECEMBER 31, 1946. Class 6.

428,711. PERFUME, COLOGNE, SACHET POWDER, FACE POWDER, DUSTING POWDER, LIPSTICK, BATH OIL, AND DEODORANT CREAM. Maurice Rentner Perfume Co., Inc., New York, N. Y.
Filed March 21, 1946. Serial No. 498,714. PUBLISHED DECEMBER 31, 1946. Class 6.

428,712. FURNACES OR REACTORS FOR THE TREATMENT OF SOLIDS SUSPENDED IN GASES AND MORE PARTICULARLY WHEREIN A LAYER OF FINE SOLIDS SUCH AS METALLIC ORES, ETC. The Dorr Company, New York, N. Y.
Filed March 23, 1946. Serial No. 498,829. PUBLISHED JANUARY 14, 1947. Class 34.

428,713. JEWELRY FOR PERSONAL WEAR (NOT INCLUDING WATCHES) FABRICATED OF PRECIOUS OR SEMI-PRECIOUS METALS—NAMELY, BUCKLES, ETC. Leif Brothers, New York, N. Y.
Filed March 26, 1946. Serial No. 498,999. PUBLISHED JANUARY 7, 1947. Class 28.

428,714. CEMENTS IN LIQUID AND SOLID (PLASTIC) FORM, USED FOR SEALING JOINTS OF CONTAINERS OF CHEMICAL SOLUTIONS. United Chromium, Incorporated, New York, N. Y., Waterbury, Conn., Detroit, Mich., Los Angeles, Calif., and Carteret, N. J.
Filed March 27, 1946. Serial No. 499,090. PUBLISHED JANUARY 14, 1947. Class 5.

428,715. PERFUME. Stephen E. Riley, doing business as Stephen Riley Company, Los Angeles, Calif.
Filed March 28, 1946. Serial No. 499,153. PUBLISHED DECEMBER 31, 1946. Class 6.

428,716. WATCHES AND WATCH MOVEMENTS. Invicta-Seeland, Inc., New York, N. Y.
Filed March 29, 1946. Serial No. 499,235. PUBLISHED JANUARY 14, 1947. Class 27.

428,717. PREPARATION IN LIQUID AND CAPSULE FORM WHICH HAS THE ACTION OF DIURESIS, SEDATION AND ANALGESIA, ETC. Maurice William Silbert, doing business as Williams Pharmaceuticals, Cleveland Heights, Ohio.
Filed March 29, 1946. Serial No. 499,289. PUBLISHED DECEMBER 24, 1946. Class 6.

428,718. CHILDREN'S COSMETICS. Wright & Glenn Company, Inc., New York, N. Y.
Filed March 29, 1946. Serial No. 499,301. PUBLISHED DECEMBER 24, 1946. Class 6.

428,719. DIAMOND INSTRUMENT CLEANER (A GUM TURPENTINE BASE CHEMICAL SOLUTION HAVING SOLVENT PROPERTIES). The Dental Specialty Manufacturing Co., Inc., Denver, Colo., now by change of name Densco, Incorporated.
Filed March 30, 1946. Serial No. 499,322. PUBLISHED DECEMBER 24, 1946. Class 6.

428,720. PIPING AND COUPLINGS FOR USE IN PORTABLE OVERHEAD LAND IRRIGATION SYSTEMS. Commercial Metals Treating, Inc., Toledo, Ohio.
Filed April 1, 1946. Serial No. 499,389. PUBLISHED DECEMBER 31, 1946. Class 13.

428,721. ARCHITECTURAL GLASS—NAMELY, GLASS BLOCKS AND ANALOGOUS GLASS SHAPES FOR ARCHITECTURAL USE. Pittsburgh Corning Corporation, Pittsburgh, Pa.
Filed April 4, 1946. Serial No. 499,654. PUBLISHED JANUARY 14, 1947. Class 12.

428,722. ARCHITECTURAL GLASS—NAMELY, GLASS BLOCKS AND ANALOGOUS GLASS SHAPES FOR ARCHITECTURAL USE. Pittsburgh Corning Corporation, Pittsburgh, Pa.
Filed April 4, 1946. Serial No. 499,655. PUBLISHED JANUARY 14, 1947. Class 12.

428,723. ARCHITECTURAL GLASS—NAMELY, GLASS BLOCKS AND ANALOGOUS GLASS SHAPES FOR ARCHITECTURAL USE. Pittsburgh Corning Corporation, Pittsburgh, Pa.
Filed April 4, 1946. Serial No. 499,656. PUBLISHED JANUARY 14, 1947. Class 12.

428,724. ARCHITECTURAL GLASS—NAMELY, GLASS BLOCKS AND ANALOGOUS GLASS SHAPES FOR ARCHITECTURAL USE. Pittsburgh Corning Corporation, Pittsburgh, Pa.
Filed April 4, 1946. Serial No. 499,657. PUBLISHED JANUARY 14, 1947. Class 12.

428,725. BABIES' BRACELETS, NOT INCLUDING WATCHES. Bates & Klinke, Inc., Attleboro, Mass.
Filed April 6, 1946. Serial No. 499,753. PUBLISHED JANUARY 7, 1947. Class 28.

428,726. INSECTICIDES AND HERBICIDES. The Glidden Company, Cleveland, Ohio.
Filed April 12, 1946. Serial No. 500,075. PUBLISHED DECEMBER 24, 1946. Class 6.

428,727. BAKING ENAMEL APPLIED TO METAL, PLASTIC, AND COMPOSITION SURFACES. Standard Varnish Works, Staten Island, N. Y.
Filed April 12, 1946. Serial No. 500,142. PUBLISHED NOVEMBER 19, 1946. Class 16.

428,728. HORMONE PREPARATION FOR VETERINARY USE. Abbott Laboratories, Chicago, Ill.
Filed April 13, 1946. Serial No. 500,157. PUBLISHED DECEMBER 24, 1946. Class 6.

428,729. WOMEN'S AND MISSES' PLAYSUITS, SLACK SETS, SLACKS, BEACH ROBES, BRUNCH COATS, ETC. Loomtogs, Inc., New York, N. Y.
Filed April 13, 1946. Serial No. 500,173. PUBLISHED DECEMBER 17, 1946. Class 39.

428,730. BATHROOM ACCESSORIES — NAMELY, TOWEL BARS, SOAP HOLDERS, TUMBLER AND TOOTHBRUSH HOLDERS, PAPER HOLDERS, SOAP AND GRAB BAR HOLDERS, AND ROBE HOOKS. H. J. Eisner, doing business as Mastercraft Co., Los Angeles, Calif.
Filed April 15, 1946. Serial No. 500,208. PUBLISHED JANUARY 7, 1947. Class 13.

428,731. OIL SHAMPOO TINT FOR THE HAIR. Mapril Inc., New York, N. Y.
Filed April 15, 1946. Serial No. 500,235. PUBLISHED DECEMBER 24, 1946. Class 6.

428,732. PERFUME, TOILET WATER, AND COLOGNE. Evelyn Westall, doing business as Evelyn Westall Co., New York, N. Y.
Filed April 16, 1946. Serial No. 500,337. PUBLISHED DECEMBER 24, 1946. Class 6.

428,733. VITAMIN PREPARATION. Eleanor R. Anderson, Los Angeles, Calif.
Filed April 17, 1946. Serial No. 500,352. PUBLISHED DECEMBER 24, 1946. Class 6.

428,734. PREPARATION FOR THE TREATMENT OF ECZEMA. The Chemdrug Corporation, New York, N. Y.
Filed April 17, 1946. Serial No. 500,365. PUBLISHED DECEMBER 24, 1946. Class 6.

428,735. WRAPPING STRING OR TAPE USED AS TYING MATERIAL. Chicago Printed String Company, Chicago, Ill.
Filed April 17, 1946. Serial No. 500,366. PUBLISHED SEPTEMBER 24, 1946. Class 7.

428,736. FLEXIBLE THIN-WALLED PLASTIC TUBING FOR USE FOR VARIOUS PURPOSES IN THE INDUSTRIAL ARTS. The Visking Corporation, Chicago, Ill.
Filed April 17, 1946. Serial No. 500,432. PUBLISHED JANUARY 14, 1947. Class 1.

428,737. PREPARATION CONTAINING AMINO ACIDS IN POWDER FORM FOR INCORPORATION IN ANIMAL AND POULTRY FEEDS. World Products Corp., New York, N. Y.
Filed April 18, 1946. Serial No. 500,506. PUBLISHED DECEMBER 24, 1946. Class 6.

428,738. READILY ATTACHABLE OR DETACHABLE HOOKS, ADAPTED TO BE SECURED TO ANY DESIRED SURFACE FOR HANGING ARTICLES THEREON, ETC. Robert E. Larsen, Chicago, Ill.
Filed April 25, 1946. Serial No. 500,883. PUBLISHED DECEMBER 31, 1946. Class 13.

428,739. PREPARATION HAVING USE, AS AN INSECTICIDE, A RODENTICIDE, WEED KILLER; AND FUMIGANTS HAVING USES FOR THE AFOREMENTIONED PURPOSES. American Cyanamid & Chemical Corporation, New York, N. Y., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine.
Filed April 26, 1946. Serial No. 500,922. PUBLISHED DECEMBER 24, 1946. Class 6.

428,740. SUN TAN OIL. Kay Daumit, Inc., Chicago, Ill.
Filed April 26, 1946. Serial No. 500,958. PUBLISHED JANUARY 7, 1947. Class 6.

428,741. ADDITION AGENT FOR COPPER CYANIDE PLATING SOLUTIONS INTENDED TO REDUCE POLARIZATION WHICH IN TURN MAKES HEAVIER DEPOSITS POSSIBLE, AND TO IMPROVE THE GRAIN STRUCTURE OF THE DEPOSIT. Poor & Company, Chicago, Ill.
Filed April 26, 1946. Serial No. 501,005. PUBLISHED NOVEMBER 26, 1946. Class 6.

428,742. FACE POWDER, LIP STICK, ROUGE, PERFUME DEODORANT, AND TOILET WATER. Farel Destin, Inc., New York, N. Y.
Filed April 27, 1946. Serial No. 501,054. PUBLISHED JANUARY 7, 1947. Class 6.

428,743. PERFUME, TOILET WATER, EAU DE COLOGNE, AND NAIL POLISH. Alfred A. Flaster, New York, N. Y.
Filed April 27, 1946. Serial No. 501,061. PUBLISHED JANUARY 7, 1947. Class 6.

428,744. VITAMIN CAPSULES AND A MEDICINAL PREPARATION USED AS A LAXATIVE. William R. Warner & Co., Inc., New York, N. Y.
Filed April 27, 1946. Serial No. 501,100. PUBLISHED JANUARY 7, 1947. Class 6.

428,745. LIQUID PINE OIL DISINFECTANT. The Pynol Company, Quincy, Ill.
Filed April 30, 1946. Serial No. 501,199. PUBLISHED DECEMBER 24, 1946. Class 6.

428,746. COSTUME JEWELRY. Réja, Inc., New York, N. Y.
Filed April 30, 1946. Serial No. 501,200. PUBLISHED DECEMBER 31, 1946. Class 28.

428,747. SOLUTION TO BE USED AS A COATING, FINISH OR LACQUER FOR TEXTILES AND FOR PLASTICS, AND PARTICULARLY FOR TEXTILES, ETC. Herbert J. Heribert, New York, N. Y.
Filed May 2, 1946. Serail No. 501,323. PUBLISHED DECEMBER 24, 1946. Class 6.

428,748. MEN'S AND BOYS' SPORTS CLOTHING AND CLOTHING FOR ATHLETIC CONTESTS, PADDED AND UNPADDED—NAMELY, SHIRTS, PANTS, BELTS, CAPS, HATS, AND HOSE. Sport Products Inc., Cincinnati, Ohio.
Filed May 3, 1946. Serial No. 501,416. PUBLISHED DECEMBER 17, 1946. Class 39.

428,749. GIRLS', MISSES', AND WOMEN'S SUITS, FABRIC COATS, DRESSES, SWEATERS, BLOUSES, SLACKS, SKIRTS, ETC. Bond Stores, Incorporated, New York, N. Y.
Filed May 4, 1946. Serial No. 501,433. PUBLISHED NOVEMBER 5, 1946. Class 39.

428,750. PARASITICIDES—NAMELY, INSECTICIDES, FUNGICIDES, AND HERBICIDES. California Spray-Chemical Corporation, Wilmington, Del., and Richmond, Calif.
Filed May 4, 1946. Serial No. 501,434. PUBLISHED DECEMBER 31, 1946. Class 6.

428,751. LIPSTICK AND ROUGE. House of Westmore, Inc., New York, N. Y., and elsewhere.
Filed May 4, 1946. Serial No. 501,454. PUBLISHED JANUARY 7, 1947. Class 6.

428,752. LIPSTICK AND ROUGE. House of Westmore, Inc., New York, N. Y., and elsewhere.
Filed May 4, 1946. Serial No. 501,455. PUBLISHED JANUARY 7, 1947. Class 6.

428,753. COLOGNE, FACE POWDER, LIPSTICK, BRILLIANTINE, AND HAND LOTION. Olive Smith, Chicago, Ill.
Filed May 4, 1946. Serial No. 501,480. PUBLISHED DECEMBER 31, 1946. Class 6.

428,754. LACE CURTAINS. John Bromley & Sons, Inc., Philadelphia, Pa.
Filed May 6, 1946. Serial No. 501,495. PUBLISHED JANUARY 14, 1947. Class 42.

428,755. ORNAMENTAL DRESS AND LAPEL PINS, EARRINGS, AND BRACELETS. Walter Lampl, New York, N. Y.
Filed May 6, 1946. Serial No. 501,515. PUBLISHED DECEMBER 31, 1946. Class 28.

428,756. ADHESIVE CEMENT FOR USE ON POLISHING WHEELS AND POLISHING BELTS. Burt Manufacturing Company, Meriden, Conn.
Filed May 7, 1946. Serial No. 501,563. PUBLISHED JANUARY 14, 1947. Class 5.

428,757. DISH CLOTHS, HOT POT HOLDERS, AND SCOURING CLOTHS. Charles R. Davis, Dover, Mass.
Filed May 7, 1946. Serial No. 501,566. PUBLISHED JANUARY 14, 1947. Class 42.

428,758. PICTURE WRITING PAPER AND ENVELOPES. Marjory W. Gandelman, New Haven, Conn.
Filed May 7, 1946. Serial No. 501,571. PUBLISHED JANUARY 14, 1947. Class 37.

428,759. COLOGNES. Irresistible, Inc., New York, N. Y.
Filed May 7, 1946. Serial No. 501,575. PUBLISHED JANUARY 7, 1947. Class 6.

428,760. PIECE GOODS MADE OF WOOL, WORSTED, SILK, COTTON, LINEN, OR RAYON, OR ANY COMBINATION THEREOF. S. Augstein & Co. Inc., College Point, N. Y.
Filed May 8, 1946. Serial No. 501,626. PUBLISHED JANUARY 14, 1947. Class 42.

428,761. CHEMICAL AGENT USED IN THE APPLICATION OF DYES AND DYESTUFFS. Geigy Company, Inc., New York, N. Y.
Filed May 8, 1946. Serial No. 501,659. PUBLISHED DECEMBER 24, 1946. Class 6.

428,762. CHEMICAL AGENT USED IN THE APPLICATION OF DYES. Geigy Company, Inc., New York, N. Y,
Filed May 8, 1946. Serial No. 501,661. PUBLISHED DECEMBER 24, 1946. Class 6.

428,763. COSMETIC KITS CONTAINING THE FOLLOWING COSMETICS: FOUNDATION LOTION, SKIN FRESHENER, CREAM ROUGE, ETC. Richard Hudnut, New York, N. Y.
Filed May 8, 1946. Serial No. 501,666. PUBLISHED DECEMBER 24, 1946. Class 6.

428,764. DYES. Bachmeier & Co. Inc., New York, N. Y.
Filed May 9, 1946. Serial No. 501,708. PUBLISHED DECEMBER 24, 1946. Class 6.

428,765. INSECTICIDES. The C. B. Dolge Company, Westport, Conn.
Filed May 9, 1946. Serial No. 501,721. PUBLISHED JANUARY 7, 1947. Class 6.

428,766. MIXTURE OF INGREDIENTS HAVING THERAPEUTIC VALUE AND USED FOR THE RELIEF OF THE DISCOMFORTS OF SKIN INFECTIONS, ETC. Colin Pharmacal Co., Inc., Brooklyn, N. Y.
Filed May 9, 1946. Serial No. 501,800. PUBLISHED DECEMBER 24, 1946. Class 6.

428,767. SMOKERS' PIPES. London Royal Corp., New York, N. Y.
Filed May 10, 1946. Serial No. 501,850. PUBLISHED JANUARY 14, 1947. Class 8.

428,768. BULK LAXATIVE. The Maltine Company, New York, N. Y.
Filed May 10, 1946. Serial No. 501,851. PUBLISHED DECEMBER 24, 1946. Class 6.

428,769. BULK LAXATIVE. The Maltine Company, New York, N. Y.
Filed May 10, 1946. Serial No. 501,852. PUBLISHED DECEMBER 24, 1946. Class 6.

428,770. ANTIGENIC PREPARATION FOR USE IN CONNECTION WITH A RESPIRATORY AILMENT AS WHOOPING COUGH. Sharp & Dohme, Incorporated, Philadelphia, Pa.
Filed May 10, 1946. Serial No. 501,874. PUBLISHED DECEMBER 24, 1946. Class 6.

428,771. PREPARATION FOR USE IN THE TREATMENT OF THE CIRCULATORY SYSTEM. Sharp & Dohme, Incorporated, Philadelphia, Pa.
Filed May 10, 1946. Serial No. 501,876. PUBLISHED DECEMBER 24, 1946. Class 6.

428,772. JEWELRY—NAMELY, FINGER RINGS, EARRINGS, AND BRACELETS MADE OF STERLING SILVER. Turquoise Indian Trading Co., Santa Barbara, Calif.
Filed May 11, 1946. Serial No. 501,940. PUBLISHED JANUARY 7, 1947. Class 28.

428,773. STITCHING WAX. United Shoe Machinery Corporation, Boston, Mass.
Filed May 11, 1946. Serial No. 501,941. PUBLISHED DECEMBER 31, 1946. Class 6.

428,774. COMPOSITION CONTAINING CHEMICAL INGREDIENTS FOR STRENGTHENING, FEEDING, AND PROMOTING THE DEVELOPMENT OF CUT PLANTS AND FLOWERS. Flower Foods, Inc., Maywood, Ill.
Filed May 13, 1946. Serial No. 501,967. PUBLISHED DECEMBER 31, 1946. Class 6.

428,775. TABLETS OF MANNITOL HEXANITRATE WITH PENTOBARBITAL SODIUM. Steel Pharmaceutical Co. Inc., New York, N. Y.
Filed May 13, 1946. Serial No. 502,032. PUBLISHED DECEMBER 31, 1946. Class 6.

428,776. INSECTICIDES AND FUNGICIDES. General Chemical Company, New York, N. Y.
Filed May 14, 1946. Serial No. 502,069. PUBLISHED DECEMBER 24, 1946. Class 6.

428,777. SCLEROSING SOLUTION. Robert R. Norwood, doing business as Norwood Manufacturing Company, Mineral Wells, Tex.
Filed May 14, 1946. Serial No. 502,076. PUBLISHED JANUARY 7, 1947. Class 6.

428,778. METALLIC FLEXIBLE-LINK AND EXPANSION BRACELETS AND METALLIC WRISTWATCH BANDS. George H. Fisher & Company, New York, N. Y.
Filed May 15, 1946. Serial No. 502,131. PUBLISHED JANUARY 14, 1947. Class 28.

428,779. LAMINATED MATERIAL ADAPTED FOR DECORATIVE OR STRUCTURAL USE AND IN THE FORM OF A METALLIC SHEET OR PANEL, ETC. Haskelite Manufacturing Corporation, Grand Rapids, Mich.
Filed May 16, 1946. Serial No. 502,211. PUBLISHED JANUARY 14, 1947. Class 12.

428,780. LAMINATED MATERIAL ADAPTED FOR STRUCTURAL USE AND IN THE FORM OF HARDWOOD PLYWOOD GLUED UNDER FLUID OR SEMIFLUID PRESSURE. Haskelite Manufacturing Corporation, Grand Rapids, Mich.
Filed May 16, 1946. Serial No. 502,212. PUBLISHED JANUARY 14, 1947. Class 12.

428,781. PAINT-ON INSECTICIDE. Poweraire Corporation, Chicago, Ill.
Filed May 17, 1946. Serial No. 502,325. PUBLISHED JANUARY 7, 1947. Class 6.

428,782. SLIDE FASTENERS AND ZIPPERS. Unity Products Co., New York, N. Y.
Filed May 17, 1946. Serial No. 502,356. PUBLISHED DECEMBER 24, 1946. Class 13.

428,783. MEDICINAL ANTI-ACID POWDER. Lee J. Scelsi, doing business as Shell-C-Laboratories, Buffalo, N. Y.
Filed May 18, 1946. Serial No. 502,408. PUBLISHED JANUARY 7, 1947. Class 6.

428,784. LUGGAGE—NAMELY, HAND BAGS, SUIT CASES, LIGHT TRUNKS, AND PORTFOLIOS. Airborne Luggage Co., Kansas City, Mo.
Filed May 20, 1946. Serial No. 502,416. PUBLISHED JANUARY 14, 1947. Class 3.

428,785. SALVE FOR EXTERNAL APPLICATION AND USED FOR A MEDICAMENT FOR THE RELIEF OF SKIN IRRITATIONS SUCH AS OCCASIONED BY CHAFING, GALL, AND SUMMER HEAT. Steve Galovich, Omaha, Nebr.
Filed May 20, 1946. Serial No. 502,434. PUBLISHED DECEMBER 24, 1946. Class 6.

428,786. HOOKS FOR HANGING HOUSEHOLD AND OTHER ARTICLES, AND FOR SINK-DRAIN PROTECTORS OR COVERS. The Atlas-Ansonia Company, North Haven, Conn.
Filed May 23, 1946, Serial No. 502,614. PUBLISHED DECEMBER 31, 1946. Class 13.

428,787. WRITING AND PRINTING PAPER AND WRITING TABLETS. Southworth Company, West Springfield, Mass.
Filed May 23, 1946. Serial No. 502,667. PUBLISHED JANUARY 14, 1947. Class 37.

428,788. RAZOR WALL BRACKET. Schick Incorporated, Stamford, Conn.
Filed May 24, 1946. Serial No. 502,722. PUBLISHED DECEMBER 31, 1946. Class 13.

428,789. HAIR BRUSHES, CLOTHES BRUSHES, SHOE BRUSHES, TOOTH BRUSHES, NAIL BRUSHES, AND COMPLEXION BRUSHES. National Silver Company, New York, N. Y.
Filed May 25, 1946. Serial No. 502,763. PUBLISHED DECEMBER 31, 1946. Class 29.

428,790. PERFUMES, TOILET WATERS, AND COSMETIC CREAMS. Lentheric, Incorporated, New York, N. Y.
Filed May 29, 1946. Serial No. 502,986. PUBLISHED DECEMBER 24, 1946. Class 6.

428,791. PERFUMES, TOILET WATERS, AND COSMETIC CREAMS. Lentheric, Incorporated, New York, N. Y.
Filed May 29, 1946. Serial No. 502,987. PUBLISHED DECEMBER 24, 1946. Class 6.

428,792. SIMULATED PEARLS MADE OF PLASTIC OR LIKE MATERIAL AND ORNAMENTS FOR PERSONAL ADORNMENT NOT INCLUDING WATCHES. Royal Craftsmen, Inc., New York, N. Y.
Filed May 29, 1946. Serial No. 503,006. PUBLISHED DECEMBER 31, 1946. Class 28.

428,793. SIMULATED PEARLS MADE OF PLASTIC OR LIKE MATERIAL AND ORNAMENTS FOR PERSONAL ADORNMENT NOT INCLUDING WATCHES. Royal Craftsmen, Inc., New York, N. Y.
Filed May 29, 1946. Serial No. 503,007. PUBLISHED DECEMBER 31, 1946. Class 28.

428,794. SIMULATED PEARLS MADE OF PLASTIC OR LIKE MATERIAL AND ORNAMENTS FOR PERSONAL ADORNMENT NOT INCLUDING WATCHES. Royal Craftsmen, Inc., New York, N. Y.
Filed May 29, 1946. Serial No. 503,008. PUBLISHED DECEMBER 31, 1946. Class 28.

428,795. BRUSHES FOR PERSONAL USE. Harold W. Forsey, New York, N. Y.
Filed June 5, 1946. Serial No. 503,288. PUBLISHED JANUARY 14, 1947. Class 29.

428,796. WATCHES. Nastrix Watch Co., New York, N. Y.
Filed June 5, 1946. Serial No. 503,311. PUBLISHED JANUARY 14, 1947. Class 27.

428,797. WATCHES. Nastrix Watch Co., New York, N. Y.
Filed June 5, 1946. Serial No. 503,312. PUBLISHED JANUARY 14, 1947. Class 27.

428,798. CLOTHES STICKS. Algot B. Keller, Menomonie, Wis.
Filed June 6, 1946. Serial No. 503,377. PUBLISHED JANUARY 14, 1947. Class 24.

428,799. MEN'S CLOTHING—NAMELY, SUITS, TROUSERS, COATS, AND TOPCOATS. Joseph H. Cohen & Sons, Inc., New York, N. Y.
Filed June 7, 1946. Serial No. 503,427. PUBLISHED DECEMBER 10, 1946. Class 39.

428,800. WATCHES AND CLOCKS AND PARTS THEREOF. H. Steele y Cia., S. A., Mexico City, Mexico.
Filed June 10, 1946. Serial No. 503,612. PUBLISHED JANUARY 14, 1947. Class 27.

428,801. HAND KNITTING YARNS. Bernhard Ulmann Co. Inc., New York, N. Y.
Filed June 15, 1946. Serial No. 504,013. PUBLISHED JANUARY 21, 1947. Class 43.

428,802. STEEL REINFORCING BARS FOR CONSTRUCTION PURPOSES. The Pollak Steel Company, Cincinnati, Ohio.
Filed July 5, 1946. Serial No. 505,130. PUBLISHED JANUARY 14, 1947. Class 12.

428,803. PURSES, POCKETBOOKS, HANDBAGS AND BILLFOLDS. Bernard Stember, doing business as Devon Originations, Summit, N. J.
Filed July 20, 1946. Serial No. 505,990. PUBLISHED JANUARY 14, 1947. Class 3.

428,804. REFRACTORY BRICKS. General Refractories Company, Philadelphia, Pa.
Filed Aug. 16, 1946. Serial No. 508,687. PUBLISHED JANUARY 14, 1947. Class 12.

428,805. AUTOMATIC VACUUM FILTERS, AUTOMATIC SAND FILTERS, NONATOMIZING WASH FILTERS, VACUUM DISCHARGE FILTERS, ETC. Filtration Engineers, Incorporated, New York, N. Y.
Filed September 24, 1946. Serial No. 509,647. PUBLISHED DECEMBER 31, 1946. Class 31.

428,806. CORE OILS USED AS BINDERS IN MOLDING OPERATIONS. Velsicol Corporation, Chicago, Ill.
Filed March 8, 1946. Serial No. 497,903. PUBLISHED OCTOBER 8, 1946. Class 5.

428,807. WEEDKILLER. American Cyanamid Company, New York, N. Y.
Filed November 1, 1946. Serial No. 511,853. PUBLISHED DECEMBER 31, 1946. Class 6.

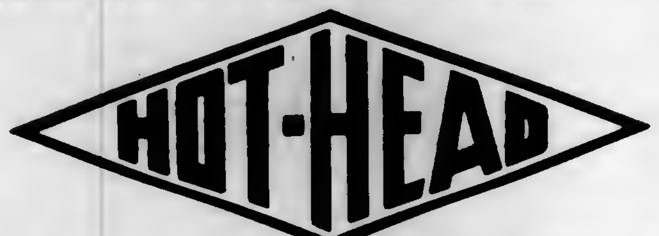
428,808. TOOTH PASTE. William B. Rosevear, Jr., Greensboro, N. C.
Filed November 1, 1946. Serial No. 511,898. PUBLISHED DECEMBER 31, 1946. Class 6.

428,809. COSMETICS AND TOILETRIES COMPRISING SHAMPOO TINT, HAIR RINSE, AND HAIR OIL. Paul Kunian, doing business as Ardmore Co., Minneapolis, Minn.
Filed November 4, 1946. Serial No. 512,002. PUBLISHED DECEMBER 31, 1946. Class 6.

ACT OF MARCH 19, 1920, SEC. 1 (b)

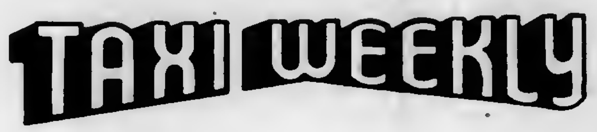
These registrations are not subject to opposition

428,810. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) Nemco Electric Co., Seattle, Wash. Filed Sept. 25, 1944. Serial No. 474,603.



FOR LIQUID HEATERS FOR LIQUID COOLED INTERNAL COMBUSTION ENGINES.
Claims use since Sept. 11, 1944.

428,811. (CLASS 38. PRINTS AND PUBLICATIONS.) Taxi Age Inc., New York, N. Y. Filed Mar. 15, 1945. Serial No. 480,962.



FOR REGULARLY APPEARING TRADE JOURNAL RELATING TO PUBLIC CONVEYANCES AND TAXIS.
Claims use since Dec. 1, 1944.

428,812. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) Corning Glass Works, Corning, N. Y. Filed July 13, 1945. Serial No. 485,759.

OPALITE

FOR BUTTONS OF GLASS.
Claims use since June 18, 1945.

428,813. (CLASS 38. PRINTS AND PUBLICATIONS.) Rex W. Wadman, New York, N. Y. Filed Sept. 26, 1945. Serial No. 489,023.

ATOMIC
and
GAS TURBINE
PROGRESS

FOR TRADE MAGAZINE.
Claims use since Sept. 12, 1945.

428,814. (CLASS 38. PRINTS AND PUBLICATIONS.) Cambridge Associates, Inc., Boston, Mass. Filed Nov. 8, 1945. Serial No. 491,229.

PROPERTY

FOR MONTHLY PUBLICATION.
Claims use since July 1927.

428,815. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) Kao Novelty Co., New York, N. Y. Filed Nov. 9, 1945. Serial No. 491,338.

TITE-LOOMED

FOR CUT LENGTHS OF LINING MATERIAL MADE OF SILK OR RAYON AND EXCLUDING PILE FABRICS FOR GARMENTS.
Claims use since Jan. 2, 1944.

428,816. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) Polan Industries, Huntington, W. Va. Filed Nov. 23, 1945. Serial No. 492,090.

Polan

FOR OBJECTIVE LENSES, PRISMS, BORESCOPES, MAGNIFIERS, BINOCULARS, MICROSCOPES, PHOTOGRAPHIC OBJECTIVES, CAMERAS, RIFLESCOPES, BORESIGHTING EQUIPMENT, GUN SIGHTS, AND OTHER GLASS PRODUCTS—NAMELY, RADIO AND RADAR ENVELOPES, TELEVISION MIRRORS, TUBES AND FACE PLATES.
Claims use since July 1944.

428,817. (CLASS 38. PRINTS AND PUBLICATIONS.) Rita Margaret Fitzgerald, New York, N. Y. Filed Dec. 14, 1945. Serial No. 493,263.

THE
LIBERAL
DIGEST

FOR PERIODICAL PUBLICATION.
Claims use since Nov. 12, 1945.

428,818. (CLASS 31. FILTERS AND REFRIGERATORS.) Biddle Purchasing Company, New York, N. Y. Filed Dec. 15, 1945. Serial No. 493,317.

EVACOLD

FOR REFRIGERATED STORAGE CABINETS AND PARTS THEREOF, INCLUDING EVAPORATOR PLATES.
Claims use since Nov. 8, 1945.

428,819. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) Nancy Ann Dressed Dolls, San Francisco, Calif. Filed Jan. 2, 1946. Serial No. 494,195.

NELLIE
BIRD

FOR DRESSED DOLLS.
Claims use since Jan. 1, 1945.

428,820. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) Bertha Halberg, Spring Valley, N. Y. Filed Jan. 21, 1946. Serial No. 495,138.

"B-Dainty"

FOR PURSES TO HOLD COSMETICS, AND WALLETS.
Claims use since Jan. 10, 1944.

428,821. (CLASS 38. PRINTS AND PUBLICATIONS.) George Goodwin, New York, N. Y. Filed Jan. 30, 1946. Serial No. 495,666.

Music
BUSINESS

FOR PUBLICATION PUBLISHED IN THE INTEREST OF MUSIC, ISSUED FROM TIME TO TIME.
Claims use since Nov. 1, 1945.

428,822. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) K. C. Working Chemical Co., Los Angeles, Calif. Filed Feb. 28, 1946. Serial No. 497,105.

Cuff

FOR GRANULATED SOAP.
Claims use since Mar. 1, 1942.

428,823. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) Lilly Weilly, New York, N. Y. Filed Feb. 26, 1946. Serial No. 497,286.

Bags
by
"Weilly"

FOR MISSES' AND LADIES' HANDBAGS.
Claims use since January 1942.

428,824. (CLASS 38. PRINTS AND PUBLICATIONS.) Pacific Northwest Farms Illustrated, Spokane, Wash. Filed Feb. 28, 1946. Serial No. 497,403.

FARMS
ILLUSTRATED

FOR PERIODICAL PUBLICATIONS.
Claims use since Dec. 22, 1945.

428,825. (CLASS 38. PRINTS AND PUBLICATIONS.) Alaska Magazine Publishing Company, Ketchikan, Alaska. Filed Mar. 7, 1946. Serial No. 497,764.

The Alaska
Sportsman

FOR MAGAZINE.
Claims use since January 1935.

428,826. (CLASS 17. TOBACCO PRODUCTS.) Albert M. Granat, New York, N. Y. Filed Apr. 2, 1946. Serial No. 499,492.

Plymouth

FOR CIGARETTES AND SMOKING TOBACCO.
Claims use since October 1945.

428,827. (CLASS 38. PRINTS AND PUBLICATIONS.) Merle G. Welborn, Bakersfield, Calif. Filed Apr. 4, 1946. Serial No. 499,680.

Pentone

The lining on the drawing is for the purpose of shading only.
FOR PICTURES.
Claims use since Dec. 1, 1945.

428,828. (CLASS 38. PRINTS AND PUBLICATIONS.) The American Veteran, Atlantic City, N. J. Filed May 9, 1946. Serial No. 501,707.

The American Veteran

FOR MONTHLY PUBLICATION.
Claims use since Dec. 5, 1945.

428,829. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) Sam Freedman, New York, N. Y. Filed May 25, 1946. Serial No. 502,744.

Downing

FOR LEATHER WRIST WATCH STRAPS.
Claims use since Sept. 16, 1939.

428,830. (CLASS 38. PRINTS AND PUBLICATIONS.) Atlas Publishing Company, New York, N. Y. Filed June 12, 1946. Serial No. 503,692.

Aluminum
and
Magnesium

FOR TRADE MAGAZINE.
Claims use since October 1944.

428,831. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) The O. Hommel Company, Pittsburgh, Pa. Filed June 26, 1946. Serial No. 504,615.

TITE-WITE

FOR FRIT FOR USE IN PREPARATION OF PORCELAIN ENAMELS.
Claims use since Nov. 19, 1945.

428,832. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) Ray Holes, doing business as Ray Holes Saddle Co., Grangeville, Idaho. Filed Aug. 23, 1946. Serial No. 507,910.

Packer

FOR SADDLETREES.
Claims use since Jan. 18, 1946.

428,833. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) Ray Holes, doing business as Ray Holes Saddle Co., Grangeville, Idaho. Filed Aug. 23, 1946. Serial No. 507,911.

"Copper Rose"

FOR HORSE SADDLES.
Claims use since Jan. 18, 1946.

TRADE-MARK REGISTRATIONS RENEWED

29,392. **LAVA.** SOAP. Registered Dec. 29, 1896. William Waltke & Co., St. Louis, Mo. Re-renewed Dec. 29, 1946, to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio. Class 4.

29,406. **IODOTHYRINE.** AN EXTRACT OF THYROID GLANDS FOR USE IN OBESITY AND CUTANEOUS AFFECTIONS. Registered Jan. 5, 1897. Farrenfabriken, Vormals Fried. Bayer & Co., Elberfeld, Germany. Re-renewed Jan. 5, 1947, to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York. Class 6.

29,457. **VALIDOL.** A MEDICAMENT COMPRISING MENTHOL, DISSOLVED IN MENTHOL ETHER OF VALERIC ACID. Registered Jan. 12, 1897. Vereinigte Chenin-Fabriken, Zimmer & Co., Gesellschaft Mit Beschrankter Haftung, Frankfort-on-the-Main, Germany. Re-renewed Jan. 12, 1947, to The Chemical Foundation, Incorporated, New York, N. Y., a corporation of New York. Class 6.

54,933. **"CHARLES & CO." ETC. AND DRAWING.** FRESH FRUITS AND VEGETABLES. Registered Aug. 7, 1906. Charles & Co. Re-renewed Aug. 7, 1946, to Charles & Co., Inc., New York, N. Y., a corporation of New York. Class 46.

55,762. **"BABY EASE" AND DRAWING.** A REMEDY FOR BOWEL COMPLAINTS. Registered Aug. 21, 1906. Thomas P. Marshall, Macon, Ga. Re-renewed Aug. 21, 1946, to The Baby Ease Company, Atlanta, Ga., a corporation of Georgia. Class 6.

56,108. **COE'S.** GILDING-TOOLS PROVIDED WITH MEANS FOR HOLDING A PACKAGE-ROLL OF METALLIC LEAF FROM WHICH THE METALLIC LEAF IS TO BE TRANSFERRED TO THE SURFACE WHICH IS TO BE DECORATED. Registered Aug. 21, 1906. W. H. Coe Manufacturing Company, Providence, R. I., a corporation of Rhode Island. Re-renewed Aug. 21, 1946. Class 23.

56,275. **DEXTER.** SHOE-KNIVES, RUBBER-KNIVES, BREAD-KNIVES, CIGAR-KNIVES, BUTCHER-KNIVES, CLOTH-KNIVES, KITCHEN-KNIVES AND KNIVES OR KNIFE-BLADES FOR ANALOGOUS USES. Registered Sept. 4, 1906. Harrington Cutlery Co. Re-renewed Sept. 4, 1946, to Russell Harrington Cutlery Company, Southbridge, Mass., a corporation of Massachusetts. Class 23.

56,600. **PICTURE OF A HORSE.** SALVE. Registered Oct. 9, 1906. Bickmore Gall Cure Company. Re-renewed Oct. 9, 1946, to The Bickmore Company, Old Town, Maine, a corporation of Maine. Class 6.

56,601. **"BE SURE AND WORK THE HORSE" AND DRAWING.** SALVE. Registered Oct. 9, 1906. Bickmore Gall Cure Company. Re-renewed Oct. 9, 1946, to The Bickmore Company, Old Town, Maine, a corporation of Maine. Class 6.

56,602. **"GALL CURE" AND DRAWING.** GALL CURE. Registered Oct. 9, 1906. Bickmore Gall Cure Company. Re-renewed Oct. 9, 1946, to The Bickmore Company, Old Town, Maine, a corporation of Maine. Class 6.

57,145. **METOL.** PHOTOGRAPHIC DEVELOPERS. Registered Nov. 6, 1906. J. Hauff & Co. G. M. B. H., Feuerbach near Stuttgart, Germany. Re-renewed Nov. 6, 1946, to The Chemical Foundation, Incorporated, New York, N. Y., a corporation of New York. Class 6.

57,440. **"W. W G" AND DESIGN.** SHEEP SHEARS, GARDEN-SHEARS, AND BUTCHERS' KNIVES. Registered Nov. 13, 1906. Burgon & Ball Limited, Sheffield, England, a United Kingdom corporation. Re-renewed Nov. 13, 1946. Class 23.

57,862. **BIRDOLENE.** REMEDY FOR THE AILMENTS OF CANARIES AND OTHER SEED-EATING BIRDS. Registered Nov. 27, 1906. Frederick Kaempfer, Chicago, Ill. Re-renewed Nov. 27, 1946, to Hartz Mountain Products, New York, N. Y., a firm. Class 6.

58,060. **PAPOID.** A REMEDY FOR THE DISEASES OF THE DIGESTIVE ORGANS AND AS A SOLVENT OF THE MEMBRANE IN DIPHTHERIA, PREPARED FROM THE CARICA PAPAIA OR MELON-TREE. Registered Dec. 4, 1906. Dr. Finkler & Co., Papain, Godramstein, Germany. Re-renewed Dec. 4, 1946, to Johnson & Johnson, New Brunswick, N. J., a corporation of New Jersey. Class 6.

58,085. **EUTHYMOL.** DENTIFRICES IN PASTE AND POWDER FORM, TOILET CREAMS, AND TOILET POWDERS. Registered Dec. 4, 1906. Parke, Davis & Company, Detroit, Mich., a corporation of Michigan. Re-renewed Dec. 4, 1946. Class 6.

58,205. **STERLING.** WIRES AND CABLES INSULATED FOR ELECTRICAL PURPOSES. Registered Dec. 11, 1906. Standard Underground Cable Company, Pittsburg, Pa. Re-renewed Dec. 11, 1946, to General Cable Corporation, New York, N. Y., a corporation of New Jersey. Class 21.

58,207. **TIP TOP.** WIRES AND CABLES INSULATED FOR ELECTRICAL PURPOSES. Registered Dec. 11, 1906. Standard Underground Cable Company, Pittsburg, Pa. Re-renewed Dec. 11, 1946, to General Cable Corporation, New York, N. Y., a corporation of New Jersey. Class 21.

58,454. **STANDARD.** INSULATED WIRE AND CABLES, AND INSULATING COMPOUND FOR ELECTRIC SERVICE. Registered Dec. 18, 1906. Standard Underground Cable Company, Pittsburg, Pa. Re-renewed Dec. 18, 1946, to General Cable Corporation, New York, N. Y., a corporation of New Jersey. Class 21.

59,203. **"POND'S EXTRACT" AND DRAWING.** DISTILLED EXTRACT OF HAMAMELIS. Registered Jan. 1, 1907. Pond's Extract Company. Re-renewed Jan. 1, 1947, to Pond's Extract Company, New York, N. Y., a corporation of Delaware. Class 6.

59,463. **"JOEL B. FRAZIER" AND DESIGN.** WHISKY. Registered Jan. 8, 1907. Bonnie Bros., Louisville, Ky. Re-renewed Jan. 8, 1947, to Park & Tilford Distillers Inc., New York, N. Y., a corporation of New York. Class 49.

59,929. **RUNKEL'S.** ALL KINDS OF CANDIES AND BONBONS. Registered Jan. 22, 1907. Runkel Brothers, Incorporated. Re-renewed Jan. 22, 1947, to Lamont, Corliss & Company, New York, N. Y., a corporation of New York. Class 46.

60,017. **E. & W.** WOVEN UNDERSHIRTS AND WOVEN DRAWERS. Registered Jan. 22, 1907. Earl & Wilson. Re-renewed Jan. 22, 1947, to Cluett, Peabody & Co., Inc., Troy, N. Y., a corporation of New York. Class 39.

60,342. **E. & W.** SCARFS, CRAVATS, AND TIES. Registered Feb. 5, 1907. Earl & Wilson. Re-renewed Feb. 5, 1947, to Cluett, Peabody & Co., Inc., Troy, N. Y., a corporation of New York. Class 39.

60,343. **THOMAS A. EDISON.** PRIMARY BATTERIES, PARTS THEREOF, AND FAN-MOTORS. Registered Feb. 5, 1907. Edison Manufacturing Company. Re-renewed Feb. 5, 1947, to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey. Class 21.

60,492. **IVORY.** PAPER BAGS. Registered Feb. 12, 1907. Schorsch & Co. Re-renewed Feb. 12, 1947, to Schorsch & Co. Inc., New York, N. Y., a corporation of New York. Class 2.

60,493. **VELVET.** PAPER BAGS. Registered Feb. 12, 1907. Schorsch & Co. Re-renewed Feb. 12, 1947, to Schorsch & Co. Inc., New York, N. Y., a corporation of New York. Class 2.

60,494. **WHITE SILK.** PAPER BAGS. Registered Feb. 12, 1907. Schorsch & Co. Re-renewed Feb. 12, 1947, to Schorsch & Co. Inc., New York, N. Y., a corporation of New York. Class 2.

60,560. **"BANQUET" AND DRAWING.** SPICES, MUSTARDS, AND FLAVORING EXTRACTS. Registered Feb. 12, 1907. McCormick & Co. Re-renewed Feb. 12, 1947, to McCormick & Co., Incorporated, Baltimore, Md., a corporation of Maryland. Class 46.

60,570. **KEEN KUTTER.** HAIR-CLIPPERS, TABLE-KNIVES, TABLE-FORKS, CARVERS, RAZORS, SCISSORS, SHEARS, BUTCHER-KNIVES, BROOM-CORN KNIVES, STICKING-KNIVES, SKINNING-KNIVES, FARRIER-KNIVES, AND VARIOUS OTHER CUTLERY AND EDGE-TOOLS. Registered Feb. 12, 1907. Simmons Hardware Co. Re-renewed Feb. 12, 1947, to Shapleigh Hardware Company, St. Louis, Mo., a corporation of Missouri. Class 23.

60,595. **COLGATE & CO.** TOILET WATERS, DENTAL POWDERS, PASTES AND WASHES, FACE-POWDERS, OINTMENTS AND SALVES FOR BEAUTIFYING AND IMPROVING THE SKIN, LOTIONS, HAIR-TONICS, TALC POWDERS, SHAMPOO MIXTURES, CAMPHOR-ICE, COLD-CREAM, AND POMADES. Registered Feb. 12, 1907. Colgate & Co., New York, N. Y. Re-renewed Feb. 12, 1947, to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware. Class 6.

60,598. **STEARNS'.** MEDICINAL FLUID EXTRACTS, MEDICINAL SOLID EXTRACTS, MEDICINAL POWDERED EXTRACTS, SUGAR AND GELATIN COATED PILLS, GRANULAR EFFERVESCENT SALTS, AND CERTAIN OTHER MEDICINES. Registered Feb. 12, 1907. Frederick Stearns & Co., Detroit, Mich. Re-renewed Feb. 12, 1947, to Sterling Drug Inc., Wilmington, Del., a corporation of Delaware. Class 6.

60,793. **"MAGIC" AND DRAWING.** BOILER-CLEANING COMPOUNDS. Registered Feb. 19, 1907. John Callahan & Co., Inc., Seattle, Wash. Re-renewed Feb. 19, 1947, to Garratt-Callahan Company of California, San Francisco, Calif., a corporation of California. Class 6.

209,196. **6 WHEELS INC.** AUTOMOBILE TRUCKS. Registered Feb. 16, 1926. Six Wheels Incorporated. Renewed Feb. 16, 1946, to Six Wheels, Inc., Los Angeles, Calif., a corporation of California. Class 19.

213,264. **"THE VITAL 'V'" AND DRAWING.** MEN'S CRAVATS. Registered May 25, 1926. Schoenfeld Bros., Inc. Renewed May 25, 1946, to Schoenfeld Neckwear Company, Seattle, Wash., a corporation of Washington. Class 39.

213,737. **KALZATONE.** TABLETS TO BE USED IN THE TREATMENT OF ACID STOMACH, GAS, HEARTBURN, INDIGESTION, AND OFFENSIVE BREATH. Registered June 1, 1926. Associated Physicians Laboratories. Renewed June 1, 1946, to Associated Physicians Laboratories, Ltd., San Francisco, Calif., a corporation of California. Class 6.

213,738. **STERI-SEPTOL.** ALKALINE POWDER TO BE USED IN THE TREATMENT OF CATARRHAL CONDITIONS OF THE VAGINAL MUCOUS MEMBRANE. Registered June 1, 1926. Associated Physicians Laboratories. Renewed June 1, 1946, to Associated Physicians Laboratories, Ltd., San Francisco, Calif., a corporation of California. Class 6.

214,002. **NUBRITE.** KNITTED CLOTH—NAMELY, COTTON FABRIC SOLD AS PIECE GOODS. Registered June 8, 1926. The Adler Underwear & Hosiery Mfg. Co. Renewed June 8, 1946, to The Adler Company, Cincinnati, Ohio, a corporation of Ohio. Class 42.

217,911. **"LOO'S" ETC.** COUGH MEDICINE, LINIMENT, COD-LIVER-OIL PREPARATION, LAXATIVES, PREPARATIONS FOR BOILS, ECZEMA, AND OTHER SKIN DISEASES; PREPARATIONS FOR COLDS, HEADACHES, AND NASAL CATARRH AND VAGINAL DOUCHES. Registered Sept. 14, 1926. Yun Sann Loo, Honolulu, Territory of Hawaii. Renewed Sept. 14, 1946. Class 6.

217,999. **RUTONAL.** PHENYLMETHYLMALONYLUREA WHICH IS PHENOL METHYL MALONYL UREA WHICH IS EMPLOYED IN THE TREATMENT OF EPILEPSY. Registered Sept. 14, 1926. Les Etablissements Poulenc Freres. Renewed Sept. 14, 1946, to Societe des Usines Chimiques Rhone-Poulenc, Paris, France, a corporation of France. Class 6.

218,000. **MORANYL.** CHEMICAL PRODUCT BELONGING TO THE GROUP OF UREA SUBSTITUTES DERIVATIVES OF AMINO NAPHTHALENE SULPHONIC ACIDS FOR USE IN THE TREATMENT OF TRYPANOSOMIASES. Registered Sept. 14, 1926. Les Etablissements Poulenc Freres. Renewed Sept. 14, 1946, to Societe des Usines Chimiques Rhone-Poulenc, Paris, France, a corporation of France. Class 6.

218,256. **REOBIL.** CHOLAGOGUE. Registered Sept. 21, 1926. Society of Chemical Industry in Basle. Renewed Sept. 21, 1946, to Ciba Limited, Basel, Switzerland, a limited liability company of Switzerland. Class 6.

218,257. **TRIPLEX.** COAL-TAR COLORS. Registered Sept. 21, 1926. Society of Chemical Industry in Basle. Renewed Sept. 21, 1946, to Ciba Limited, Basel, Switzerland, a limited liability company of Switzerland. Class 6.

218,398. **LORRAINE.** COTTON GOODS, COTTON WARP FABRIC, COTTON AND WOOL, SILK GOODS, SILK AND COTTON, SILK AND WOOL, WOOL GOODS, WOOL AND COTTON, ARTIFICIAL SILK AND COTTON, PANAMAS, CASHMERES, BENGALINES, MOHAIRS, CHIFFONS, BATISTES, CRASHES, POPLINS, SERGES, BEDFORD CORDS, COVERT CLOTH, WORSTEDS, ALL IN THE PIECE. Registered Sept. 28, 1926. Lorraine Manufacturing Company, Pawtucket, R. I. Renewed Sept. 28, 1946, to Lorraine Manufacturing Company, Pawtucket, R. I., and New York, N. Y., a corporation of Rhode Island. Class 42.

218,741. **OX-TEAM.** CANE AND MAPLE SIRUP. Registered Oct. 5, 1926. Vermont Maple Syrup Co., Inc. of St. Johnsbury, St. Johnsbury, Vt. Renewed Oct. 5, 1946, to Penick & Ford, Ltd., Incorporated, New York, N. Y., a corporation of Delaware. Class 46.

219,032. **IGNISITE.** REFRACTORY CEMENT FOR USE IN BONDING FIRE BRICK OR TILE IN FURNACE OR BRICK CONSTRUCTION SUBJECT TO HIGH TEMPERATURES. Registered Oct. 12, 1926. The M. W. Kellogg Co., New York, N. Y. Renewed Oct. 12, 1946, to The M. W. Kellogg Company, Jersey City N. J., and New York, N. Y., a corporation of Delaware. Class 12.

220,710. **ZOURI.** STORE-FRONT CONSTRUCTIONS OR SETTINGS FOR PLATE GLASS. Registered Nov. 16, 1926. Zouri Drawn Metals Company, Chicago Heights, Ill. Renewed Nov. 16, 1946, to The Kawneer Company, Niles, Mich., a corporation of Michigan. Class 12.

220,760. **"COLUMBO" AND DRAWING.** PEPTIC BITTERS. Registered Nov. 16, 1926. The Estate of Louis E. Jung, New Orleans, La., Marie Sabourin Jung, executrix, and Canal Bank & Trust Co., executors. Renewed Nov. 16, 1946, to L. E. Jung & Wulff Co., Inc., New York, N. Y., a corporation of New York. Class 6.

220,808. **THIO-BISMOL.** PREPARATION FOR THE TREATMENT OF SYPHILIS. Registered Nov. 16, 1926. Parke, Davis & Company, Detroit, Mich., a corporation of Michigan. Renewed Nov. 16, 1946. Class 6.

220,829. **CRESYLONE.** DISINFECTANT. Registered Nov. 16, 1926. Parke, Davis & Company, Detroit, Mich., a corporation of Michigan. Renewed Nov. 16, 1946. Class 6.

221,174. **RIPOL.** PAINTS IN DRY FORM AND IN THE FORM OF PASTE AND READY-MIXED PAINTS, LACQUER PAINTS, ENAMEL PAINTS, PAINTS HAVING A NITROCELLULOSE BASE, VARNISHES, WATER COLORS, ARTISTS' COLORS, WHITE LEAD, ZINC WHITE, BONE BLACK, WAXES AND FURNITURE POLISHES. Registered Nov. 23, 1926. Societe Le Ripolin, Paris, France, a French corporation. Renewed Nov. 23, 1946. Class 16.

221,910. **TILT-A-WHIRL.** MERRY-GO-ROUND OR CARROUSEL. Registered Dec. 14, 1926. Herbert W. Sellner, doing business as Sellner Manufacturing Company. Renewed Dec. 14, 1946, to The Sellner Manufacturing Company, Inc., Faribault, Minn., a corporation of Minnesota. Class 22.

222,308. **FEDRIN.** EPHEDRIN SULPHATE FOR USE, AMONG OTHER THINGS, TO INCREASE BLOOD PRESSURE AND TO RELIEVE ASTHMA. Registered Dec. 28, 1926. Eli Lilly and Company, Indianapolis, Ind. Renewed Dec. 28, 1946, to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan. Class 6.

222,337. **URITONE.** URINARY ANTISEPTIC AND DIURETIC. Registered Dec. 28, 1926. Parke, Davis & Company, Detroit, Mich., a corporation of Michigan. Renewed Dec. 28, 1946. Class 6.

222,866. **HEAT SEAL.** WEATHER STRIPPING. Registered Jan. 11, 1927. The D. W. Bosley Company, Chicago, Ill. Renewed Jan. 11, 1947, to Wirfs-Bosley Corporation, St. Louis, Mo., a corporation of Missouri. Class 12.

222,956. **CRESTA BLANCA.** GENERAL MEDICAL TONIC. Registered Jan. 11, 1927. Cresta Blanca Company, San Francisco, Calif. Renewed Jan. 11, 1947, to Cresta Blanca Wine Company, Inc., Livermore, Calif., and New York, N. Y., a corporation of Delaware. Class 6.

223,118. **"ARKANSAS GAZETTE" ETC. AND DRAWING.** DAILY, SUNDAY AND SEMIWEEKLY NEWSPAPER. Registered Jan. 18, 1927. Gazette Publishing Company, Little Rock, Ark., a corporation of Arkansas. Renewed Jan. 18, 1947. Class 38.

223,134. **REPRESENTATION OF A MULE INSIDE A BOILER.** BOILER COMPOUND. Registered Jan. 18, 1927. R. E. Clifford, doing business as Jacks Manufacturing Company, St. Paul, Minn. Renewed Jan. 18, 1947. Class 6.

223,187. **ATLAS.** ELECTRIC BATTERIES. Registered Jan. 18, 1927. Atlas Battery Works, Inc., New York, N. Y. Renewed Jan. 18, 1947, to Atlas Supply Company, Newark, N. J., a corporation of Delaware. Class 21.

223,209. **"RELIEV-U" AND DESIGN.** SALVE FOR THE TREATMENT OF BLOOD POISON, BURNS, CUTS, BOILS, RUNNING SORES, ECZEMA, PILES, AND ITCH. Registered Jan. 18, 1927. Felix Kleinhenz, Cleveland, Ohio. Renewed Jan. 18, 1947. Class 6.

223,454. **GOLD BOND.** BROOMS MADE FROM BROOMCORN. Registered Feb. 1, 1927. Amsterdam Broom Co., Amsterdam, N. Y., a corporation of New York. Renewed Feb. 1, 1947. Class 29.

223,572. **SESQUI.** SILK, COTTON, OR LEATHER GLOVES. Registered Feb. 8, 1927. Fownes Brothers & Co. Incorporated, Gloversville, Amsterdam, and New York, N. Y., a corporation of New York. Renewed Feb. 8, 1947. Class 39.

223,590. **ROSE-MARIE.** WORK SHIRTS. Registered Feb. 8, 1927. Howard G. Giles, New York, N. Y. Renewed Feb. 8, 1947. Class 39.

223,681. **WEATHERLY.** SILK PIECE GOODS. Registered Feb. 8, 1927. Joseph Berlinger Co., New York, N. Y., a corporation of New York. Renewed Feb. 8, 1947. Class 42.

223,734. **JEMCO.** MEN'S, WOMEN'S, MISSES', BOYS', AND CHILDREN'S BOOTS AND SHOES MADE OF LEATHER, RUBBER, CANVAS, AND CANVAS WITH LEATHER TRIMMINGS. Registered Feb. 8, 1927. Jordan Marsh Company, Boston, Mass., a corporation of Massachusetts. Renewed Feb. 8, 1947. Class 39.

223,789. **ZIV'S HARGUS.** DRILL AND TOOL STEEL. Registered Feb. 8, 1927. Ziv Steel & Wire Co., Chicago, Ill., a corporation of Illinois. Renewed Feb. 8, 1947. Class 14.

223,860. **T-O-B.** PASTE AND READY-MIXED PAINTS AND VARNISHES. Registered Feb. 15, 1927. M. J. Merkin Paint Co. Inc., New York, N. Y., a corporation of New York. Renewed Feb. 15, 1947. Class 16.

223,866. **REPRESENTATION OF A GREEN COLORED CORE OF A ROLL OF PAPER.** CRAFT PAPER, SULPHITE PAPER, BOND PAPER, GROUND-WOOD PAPER AND MANILA PAPER, BOTH GUMMED AND UNGUMMED, SOLD IN ROLLS. Registered Feb. 15, 1927. Mid-States Gummed Paper Company. Renewed Feb. 15, 1947, to Mid-States Gummed Paper Co., Chicago, Ill., a corporation of Delaware. Class 37.

223,872. **"YATES-AMERICAN" ETC. AND DESIGN.** WOODWORKING MACHINES—NAMELY, BAND SAWS, BORING MACHINES, BUZZ PLANERS, CARVING MACHINES, CIRCULAR-SAW BENCHES, DOOR CLAMPS, DOOR STICKERS, MOLDERS, PLANERS, AND MATCHERS, KNIFE-GRINDING MACHINES, LATHES, MORTISERS, SANDERS, SHAPERS, TENONERS, UNIVERSAL SAW BENCHES, AND VARIETY SAW BENCHES. Registered Feb. 15, 1927. Yates-American Machine Company, Beloit, Wis., and Rochester, N. Y. Renewed Feb. 15, 1947 to Yates-American Machine Company, Beloit, Wis., a corporation of Delaware. Class 23.

223,908. **"MANDARIN" AND DRAWING.** TEA, RICE, NOODLES, CHOP SUEY, BEAN SPROUTS, BAMBOO SPROUTS, MUSHROOMS (CANNED). Registered Feb. 15, 1927. Mandarin Sauce Co. Renewed Feb. 15, 1947, to Mandarin Food Products, Incorporated, Los Angeles, Calif., a corporation of California. Class 46.

223,914. **ETERNIT.** ASBESTOS CEMENT FOR ROOFING PURPOSES, FOR COVERING WALLS AND CEILINGS AND OTHER CONSTRUCTION PURPOSES, TUBES AND MOLDED PIECES OF ASBESTOS-CEMENT SLATE OF ALL KINDS, AND CERTAIN OTHER ASBESTOS CONSTRUCTION MATERIALS. Registered Feb. 15, 1927. Eternitwerke Ludwig Hatschek, Vocklabruck and Vienna, Austria. Renewed Feb. 15, 1947, to Eternitwerke Ludwig Hatschek, Bound Brook, N. J., and New York, N. Y., a corporation of New Jersey. Class 12.

224,036. **YELLOWSTONE PARK.** SWEATERS, MACKINAW COATS, BATH ROBES, SHAWLS; MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY; DRESS, NEGLIGEE, WORK, AND UNDER SHIRTS OF KNITTED AND TEXTILE FABRIC, AND BLOUSES; SUITS FOR MEN, WOMEN, AND CHILDREN; AND OVERCOATS. Registered Feb. 15, 1927. Pendleton Woolen Mills, Portland, Oreg., a corporation of Oregon. Renewed Feb. 15, 1947. Class 39.

224,039. **FORMA TROPIN** LIQUID PREPARATION HAVING TONIC, DIURETIC, AND OTHER MEDICINAL QUALITIES. Registered Feb. 15, 1927. John T. Milliken & Company, St. Louis, Mo. Renewed Feb. 15, 1947, to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois. Class 6.

224,193. **"GREENLEE" AND DESIGN.** AUGERS, AUGER BITS, CAR BITS, CHISELS, GOUGES, DRAWKNIVES, WOOD-BORING DRILLS, COUNTERSINKS, REAMERS, SCREW-DRIVER BITS, PARTING TOOLS, MACHINE BITS, HOLLOW CHISELS, HOLLOW CHISEL BITS, AND CERTAIN OTHER CUTLERY MACHINERY, AND TOOLS. Registered Feb. 22, 1927. Greenlee Bros. & Co., Rockford, Ill., a corporation of Illinois. Renewed Feb. 22, 1947. Class 23.

224,194. **"G" AND DESIGN.** AUGERS, AUGER BITS, CAR BITS, CHISELS, GOUGES, DRAWKNIVES, WOOD-BORING DRILLS, COUNTERSINKS, REAMERS, SCREW-DRIVER BITS, PARTING TOOLS, MACHINE BITS, HOLLOW CHISELS, HOLLOW CHISEL BITS, MORTISERS, AND CERTAIN OTHER CUTLERY, MACHINERY, AND TOOLS. Registered Feb. 22, 1927. Greenlee Bros. & Co., Rockford, Ill., a corporation of Illinois. Renewed Feb. 22, 1947. Class 23.

224,239. **BELLOMAR.** CANNED FISH. Registered Feb. 22, 1927. Franco-Italian Packing Co., Inc., East San Pedro, Calif. Renewed Feb. 22, 1947, to Franco-Italian Packing Co., Inc., Terminal Island, Calif., a corporation of California. Class 46.

224,243. **"WESTCHESTER FIFTIES".** MEN'S AND BOYS' SUITS OF CLOTHES, OVERCOATS, TOPCOATS, AND RAINCOATS, KNITTED OR TEXTILE. Registered Feb. 22, 1927. Rothschild & Sons, Inc., Kansas City, Mo., a corporation of Missouri. Renewed Feb. 22, 1947. Class 39.

224,321. **LYSOL.** ANTISEPTIC AND DISINFECTANT PREPARATIONS; OINTMENT RECOMMENDED IN CASES OF SKIN IRRITATION, RASHES, ITCHING, STINGS, INSECT BITES, BURNS, SUNBURNS, COLDS IN THE CHEST, CONGESTION OF THE RESPIRATORY TRACT, AND SORE THROAT; AND CERTAIN OTHER CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS. Registered Feb. 22, 1927. Lysol, Incorporated. Renewed Feb. 22, 1947, to Lehn & Fink Products Corporation, Bloomfield, N. J., a corporation of Delaware. Class 6.

224,527. **STAONAL.** CRAYONS AND PENCILS. Registered Mar. 1, 1927. Binney & Smith Company, New York, N. Y., a corporation of New Jersey. Renewed Mar. 1, 1947. Class 37.

224,555. **"RUBENS" AND DRAWING.** CRAYONS AND PENCILS. Registered Mar. 1, 1927. Binney & Smith Company, New York, N. Y., a corporation of New Jersey. Renewed Mar. 1, 1947. Class 37.

224,583. **"MERTEX" AND DESIGN.** WATER PASTE WALL PAINT. Registered Mar. 1, 1927. M. J. Merkin Paint Co. Inc., New York, N. Y., a corporation of New York. Renewed Mar. 1, 1947. Class 16.

REISSUES

APRIL 1, 1947

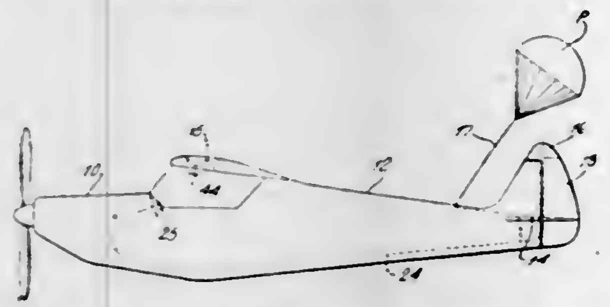
22,859

PARACHUTE

Archie P. Atherton, Glendale, Calif., assignor to Martin Steinthal and Augustus Steinthal, New York, N. Y.

Original No. 2,392,448, dated January 8, 1946, Serial No. 566,048, December 1, 1944. Application for reissue June 1, 1946, Serial No. 673,721

20 Claims. (Cl. 244—139)



1. In an airplane, a main parachute fastened thereto, a normally closed compartment for receiving said parachute in collapsed condition, a pilot parachute, a compartment in the airplane tail for receiving said pilot parachute in collapsed condition, a releasable cover for said last-named compartment, a cable connecting the shroud ends of the pilot parachute to the peak of the main parachute, means releasably anchoring said cable to said airplane fuselage adjacent the airplane tail, and means operable by the aviator for successively releasing said cover and said cable-anchoring means.

22,860

LIQUID WAX POLISH

John M. Olson, St. Paul, Minn., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware

No Drawing. Original No. 2,331,925, dated October 19, 1943, Serial No. 250,544, January 12, 1939. Application for reissue March 7, 1944, Serial No. 525,478

6 Claims. (Cl. 106—4)

5. A stable aqueous liquid wax polish having a solids content of 10 to 15%, said polish comprising wax which is predominantly of a particle size less than 0.1 micron dispersed in an aqueous vehicle, said wax polish being a dispersion of the oil-in-water type consisting substantially of water plus the following ingredients: wax, a higher fatty acid, a resin compatible with said wax, a volatile alkaline compound of nitrogen and a hydrophilic organic colloid, said wax being present in greater proportion by weight than any of the other named solids ingredients and said hydrophilic organic colloid being present in lowest proportion of any thereof, said polish upon application to a wood floor providing a non-creeping, non-crawling coating which hardens upon the evaporation of the volatile constituents to form a clear transparent lustrous protective dried film which is substantially free of water-soluble ingredients and is substantially free of spotting by water.

PLANT PATENTS

GRANTED APRIL 1, 1947

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

733

AZALEA PLANT

Mel A. Dauernheim, Wantagh, N. Y., assignor to Dauernheim, Inc., Wantagh, N. Y., a corporation of New York

Application March 6, 1946, Serial No. 652,269

1 Claim. (Cl. 47—60)

A new and distinct variety of azalea plant characterized as to novelty by its late blooming habit and unique pink coloring of the flowers, substantially as shown and described.

734

AZALEA PLANT

Mel A. Dauernheim, Wantagh, N. Y., assignor to Dauernheim, Inc., Wantagh, N. Y., a corporation of New York

Application March 7, 1946, Serial No. 652,595

1 Claim. (Cl. 47—60)

A new and distinct variety of azalea plant, characterized as to novelty by the color and form of its flowers, which include a cluster of irregular, erect petaloids in the center giving the appearance of doubleness; the form of the buds; and the pointed form of the mature foliage, substantially as shown and described.

PATENTS

GRANTED APRIL 1, 1947

2,418,109

PROCESS FOR PURIFICATION OF CERTAIN PERCHLOROLEFINS

James S. Sconce, Niagara Falls, N. Y., assignor to Hooker Electrochemical Company, Niagara Falls, N. Y., a corporation of New York

No Drawing. Application February 1, 1945, Serial No. 575,739

7 Claims. (Cl. 260—654)

1. The process for treatment of perchloroolefins in which every carbon atom in the molecule is joined to one or more other carbon atoms by a linkage including a double bond, to remove therefrom organic impurities containing hydrolyzable chlorine, which comprises refluxing the material with an aqueous solution of an alkali metal hydrosulphide; treating the resulting reaction mixture with an alkali metal hydroxide; separating the organic layer from the aqueous layer; drying the organic layer; and fractionating the organic layer to recover the purified product therefrom.

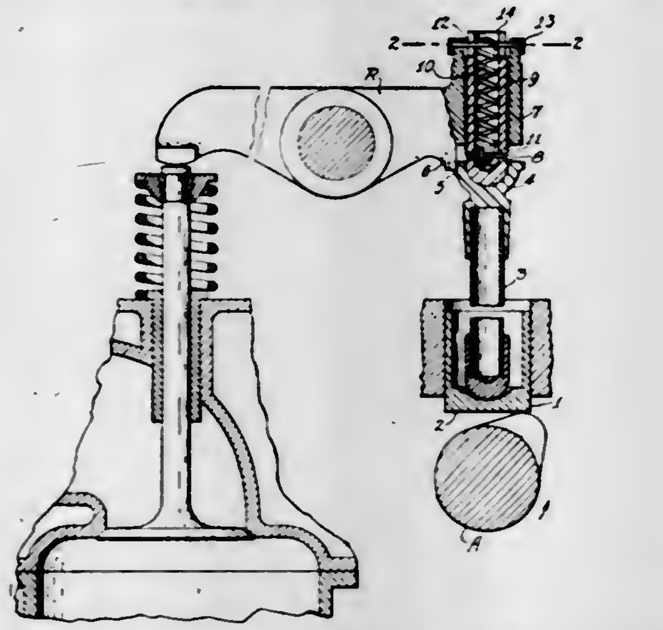
2,418,110

CLEARANCE REGULATOR

Otto M. Burkhardt, Cleveland, Ohio

Application August 22, 1942, Serial No. 455,710

11 Claims. (Cl. 123—90)



11. In an internal combustion engine having a valve-operating linkage in which a combination of driving and driven elements induces a motion lateral to the predominant valve linkage motion, an automatically adjustable clearance regulator being assembled as part of the valve-operating linkage and including companion members having inclined helical surface engagement with each other for axial relative adjustment and having suitable lateral clearance between them including lateral clearance between them adjacent one end of the regulator so as to permit the effect of said lateral motion upon said members and thus induce said axial relative adjustment therebetween, resilient means normally tending to adjust said companion members to lengthen the regulator, said linkage including a rocker arm, one of said companion members being embodied as part of one end of said rocker arm so as to partake of the rocking movement thereof and thereby tend to effect the relative axial adjustment between said companion members, said linkage including also an element arranged between said driving element and one of said companion members and being adapted for actuation by said driving element, means provided between said element and said rocker arm for preventing rotary movement of said last-named element, and means provided between said rocker arm and the other of said companion members for limiting such relative adjustment between said companion members.

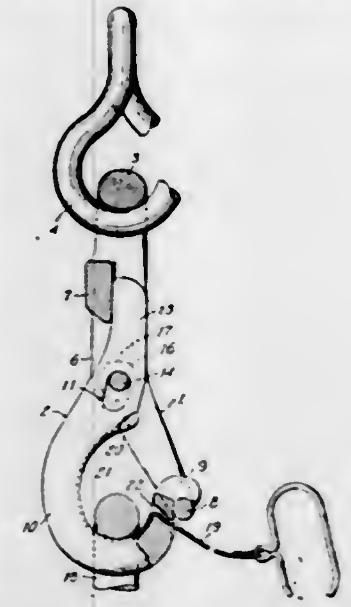
2,418,111

PIVOTALLY MOUNTED SAFETY HOOK

Noel L. Dahlander, New Milford, Pa., assignor of one-half to Robert J. Earl, Deerfield Beach, Fla.

Application February 7, 1945, Serial No. 576,661

5 Claims. (Cl. 24—230.5)



1. The combination of a clevis having parallel arms, a pivot pin supported by said arms, a cross arm at one end of said clevis, and a cross piece removed from said pin and extending from one parallel arm to the other; and a claw member having an elongated slot to receive said pin between said parallel arms said claw having an extension in cooperative engagement with said cross piece and a finger in engagement with said cross arm when said claw is in closed position and said pin engages one end of said slot.

2,418,112

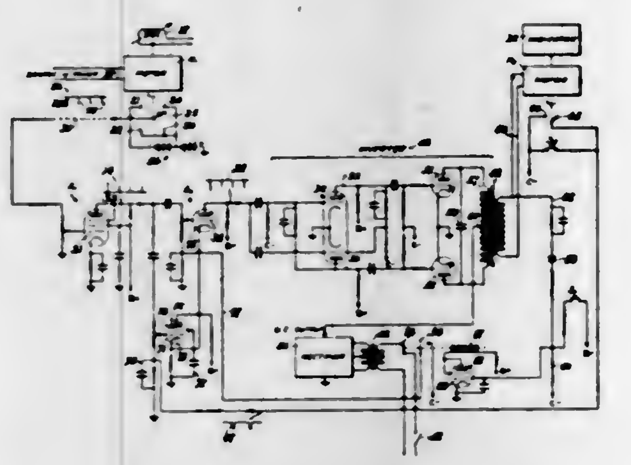
SYNCHRONIZING SYSTEM

Louis A. de Rosa, Staten Island, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware

Application February 13, 1943, Serial No. 475,733

14 Claims. (Cl. 172—293)

6. The system for synchronizing in a predetermined angular phase relation the rotation of first and second devices, comprising means to generate a series of pulses per rotation of said first device, one of the pulses of said series being of greater amplitude than the others, thereby constituting a pilot pulse, means to drive said second devices at the speed of said first device, means to generate a synchronizing pulse per rotation of said second device, and means to control the operation of said driving means by controlling application thereto of said series of pulses, said controlling means including means to compare the pilot pulses and the synchronizing pulses for maintaining said predetermined phase relationship, said comparing means operating whenever said synchronizing pulse is out of step with said pilot pulse to block said pulse series thereby retarding said driving means.



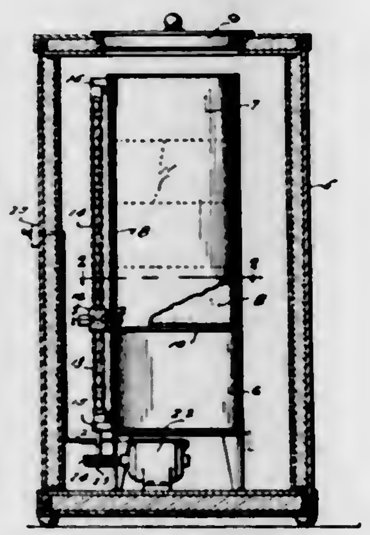
2,418,113

ICE CREAM DISPENSING CABINET

Lawrence D. Fletcher, Lansing, Mich., assignor of one-half to William Nelson Calhoun, Lansing, Mich.

Application April 10, 1944, Serial No. 530,441

1 Claim. (Cl. 220—14)



In an ice cream dispensing cabinet, the combination of a can container provided with supporting legs and having a vertical slot through one side thereof, said slot extending substantially from top to bottom of the container, a vertical rotary shaft journaled on the outside of said container at said slot, said shaft having right and left spiral grooves therein which communicate with each other at their opposite ends adjacent the ends of said slot, a vertically reciprocable follower plate within the container, an arm rigid with the follower plate and freely projecting outwardly through said slot, a sleeve slidable on said shaft and fixed to said arm, a pin carried by said sleeve and engaged in a groove of the shaft, and a uni-directional driving motor mounted beneath the container and geared to the lower end of said shaft.

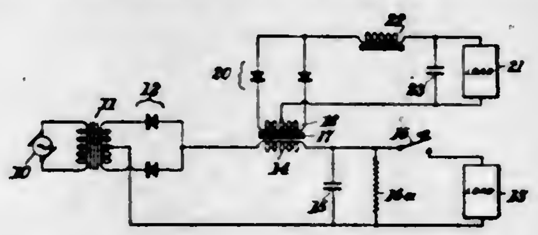
2,418,114

RECTIFIER FILTER SYSTEM

Sidney Frankel, Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware

Application July 16, 1943, Serial No. 495,056

4 Claims. (Cl. 175—363)



1. A power supply system comprising a rapidly varying load, a source of alternating current, a rectifier, and a filter system connecting the rectifier and said load comprising a transformer having a primary connected in series as a filtering reactance and a resistive load connected across the secondary of said transformer, said resistive load comprising a rectifier system having its input terminals connected to said secondary.

2,418,115

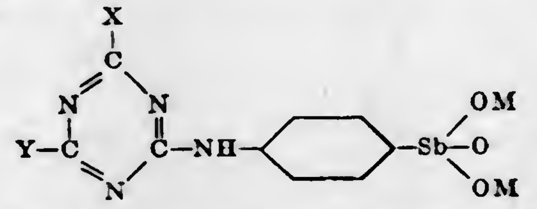
ORGANOMETALLIC COMPOUNDS CONTAINING 1,3,5-TRIAZINE RINGS

Ernst A. H. Friedheim, New York, N. Y.

No Drawing. Application October 16, 1943, Serial No. 506,564

6 Claims. (Cl. 260—242)

1. A 1,3,5-triazine compound of the following formula



in which M is a monovalent cation and X and Y are radicals selected from the group consisting of amino and halogen.

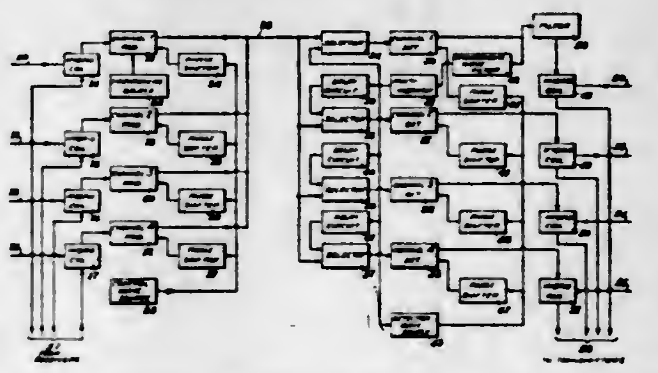
2,418,116

MULTIPLEX SYNCHRONIZING SYSTEM

Donald D. Grieg, Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware

Application December 20, 1943, Serial No. 514,998

20 Claims. (Cl. 179—15)

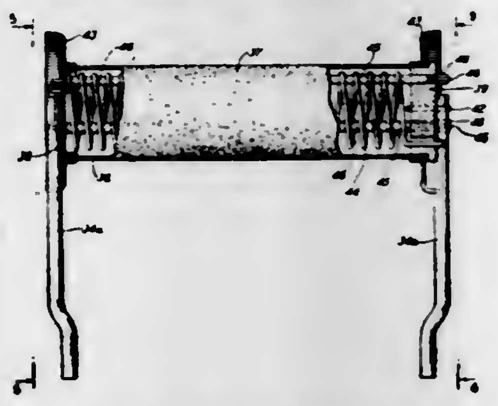


2. A multiplex system comprising a first terminal including, means for transmitting a plurality of trains of pulses of a given average cadence each train representing a channel of communication, means for timing said separate trains of pulses in a given time displacement so that the pulses of successive trains are interleaved with respect to one another, and means for im-

parting to the pulses of one of said channels a modulation of a predetermined frequency; and a second terminal including individual receiver means for said trains of pulses, separate selector means each for selecting a single channel for application to corresponding receiver means, a selector wave generator operating at a cadence lower than said given average cadence to supply a selector wave to each selector means, whereby it will serve to select progressively different channels for respective ones of said receiver means, filter means coupled to the output of the receiver means for said one channel for selecting said modulation of said predetermined frequency, and means for applying said selected modulations to said selector wave generator to synchronize its operation with said given average cadence, whereby said channels will be continuously applied to their corresponding receiver means.

2,418,117
ELECTRON DISCHARGE DEVICE

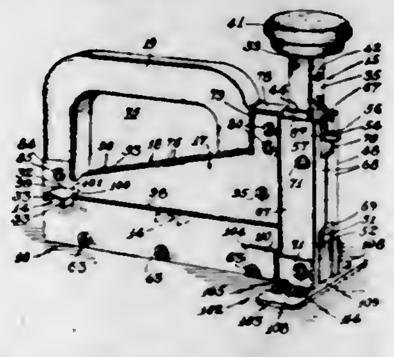
Douglas A. S. Hale, Ramsey, N. J., and Victor L. Ronci, New York, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 29, 1944, Serial No. 537,858
5 Claims. (Cl. 250—27.5)



1. A cathode structure comprising a pair of supports mounted in fixed spaced relation, a pair of disc members each fixed to a respective support, a cylindrical cathode member having one end fixed to one of said disc members and its other end slidably fitted upon the other of said disc members, and a heater element within said cathode member.

2,418,118
NAIL DRIVING MACHINE

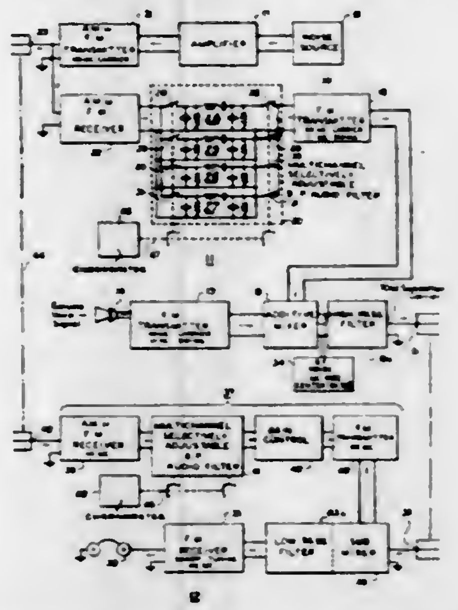
Thomas W. Hamilton and Edgar P. Anstett, Chicago, Ill., assignors to Spotnails, Inc., Chicago, Ill., a corporation of Illinois
Application October 15, 1941, Serial No. 414,994
16 Claims. (Cl. 1—46)



1. A nailing machine of the character described comprising, in combination, a magazine including a bar having a track therein for a supply of nails, a driving plunger structure including a driving blade and a guide tube therefor, the lower end of said guide tube being associated with the forward end of said bar, body plates encasing said magazine and said guide tube, a presser foot structure under said driving plunger structure and under the forward end of said magazine to assure positioning of the machine with said driving plunger structure perpendicular to a surface to be nailed and to save the surface from being marred by the machine as a result of the concussion of a nail-driving blow imparted through said plunger structure, a handle carried by said body plates for maneuvering the machine into nailing position, and means for pushing the nails toward the forward end of said track into position to be driven by said blade including a tensioning device supported by said body plates.

2,418,119
SECRET COMMUNICATION

William W. Hansen, Garden City, N. Y., assignor to Sperry Gyroscope Company, Inc., a corporation of New York
Application April 10, 1943, Serial No. 482,650
5 Claims. (Cl. 250—6)

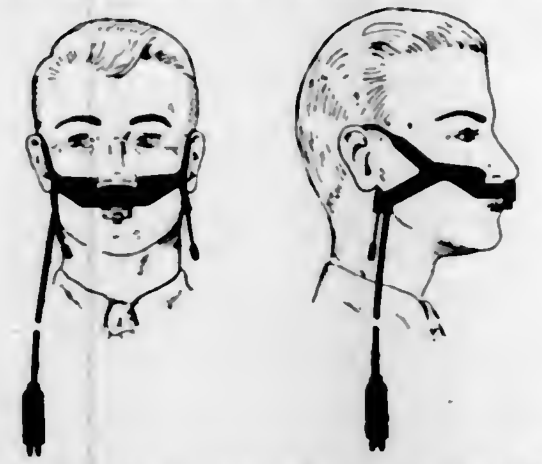


4. Apparatus for receiving a carrier frequency modulated in accordance with the sum of a first modulation component and a second modulation component, comprising a receiver local oscillator, a mixer coupled to said local oscillator and adapted to receive said frequency modulated carrier and to produce a heterodyne output signal of a frequency varying jointly in accordance with the frequency of said carrier and the frequency of the output of said local oscillator, means for frequency modulating said local oscillator in accordance with a wave of the frequency and amplitude of said first modulation component, and frequency discriminator means receiving said heterodyne output signal for producing an output voltage varying in accordance with said second modulation component.

2,418,120
FACE HARNESS FOR MICROPHONES

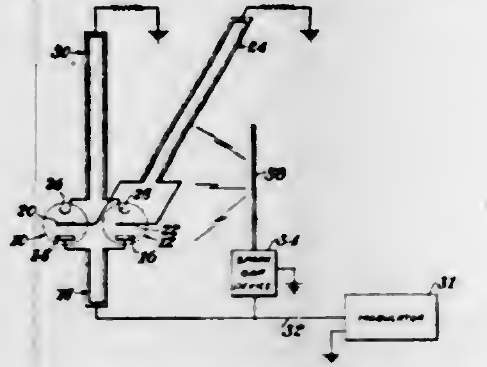
Herman C. Hornickel, Fair Haven, N. J.
Application October 5, 1943, Serial No. 505,022
8 Claims. (Cl. 179—156)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

4. A harness, designed to support a microphone, comprising a pair of straps for supporting the harness on the ears of the wearer, each strap being provided with a length of flexible cord fastened at one end to one of the straps and having an enlarged stopper at the other end, means to adjustably secure an intermediate portion of each of the cords to each of the straps so as to form a bight in each cord between its said fastened end and its said intermediate portion which bight is adjustable in length, a bracket adapted to support the said microphone, and means for joining the two straps to the bracket.



2,418,121
IMPULSE PRODUCING OSCILLATOR

Ross B. Hoffman, East Orange, N. J., assignor to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware
Application November 23, 1942, Serial No. 466,561
8 Claims. (Cl. 250—36)

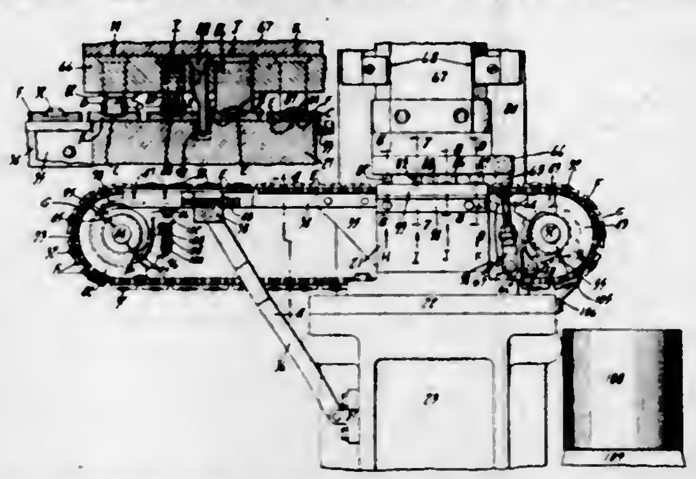


1. The method of stabilizing the impulse generation of an oscillator having an anode input which includes the steps of developing recurring energizing potentials, applying these recurring energizing potentials to the anode input of the oscillator to effect for each energizing potential the generation of an impulse, exciting the oscillator with a second, excitation voltage by radiating energy to the oscillator, and controlling the radiation in accordance with the development of each recurring energizing potential, whereby said oscillator is excited by said excitation voltage substantially simultaneously with the application of each recurring energizing potential.

2,418,122
PRESS FOR MAKING METAL HANDLES AND LINKS

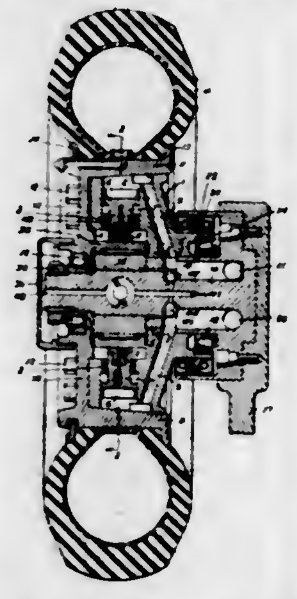
George R. Jeneson, Cincinnati, Ohio, assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application August 3, 1943, Serial No. 497,200
3 Claims. (Cl. 153—2)

1. In a press for making a unitary handle structure of a metal handle and a metal link, the combination of a stationary anvil block, an endless conveyor intermittently movable across said anvil block, a plurality of die blocks carried on said conveyor and progressively movable therewith across said anvil block and into operative position, each of said die blocks having a central recess providing a seat for holding a partially formed handle part with an end section of the handle in an upstanding position, a holding plate secured to each die block at an end of said block recess for holding a wire link in an engaged position with the upstanding handle end, a punch member disposed above said anvil block and movable toward and away from said conveyor for coaction with a said die block while it is at rest between movements of said conveyor, said punch member including spaced die means for successively engaging and bending said upstanding end around said link while the same is being held by said plate to condition the handle for forming into final shape as a unitary composite handle structure.



2,418,123
HYDRAULIC WHEEL MOTOR FOR VEHICLES

Joseph F. Joy, Claremont, N. H.
Application January 14, 1942, Serial No. 426,730
13 Claims. (Cl. 180—66)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



9. A wheel motor, comprising: a motor body having a plurality of cylinders, each opening into the circumferential surface of said body, said circumferential surface being tapered; and a tire rim, having a tapered surface complementary to said body surface; and means for holding said tire rim to said body, constructed and arranged to draw the complementary surfaces onto each other to seal said cylinders.

11. A hydraulic motor, comprising: a body having a plurality of cylinders; pistons reciprocable in said cylinders; a shaft having a non-circular portion; a collar having a non-circular opening fitting said portion in slidable but non-rotational relation so that said collar may shift

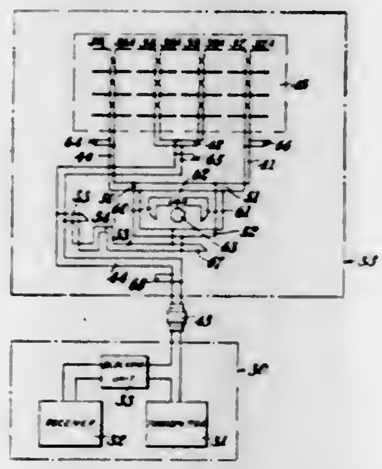
laterally with respect to the axis of said shaft yet be in driving relation with said shaft; resilient means urging said collar to one position with respect to said shaft; and means responsive to cylinder working pressure to move said collar from said one position.

2,418,124
DIRECTIVE ANTENNA ARRAY

Armig G. Kandoian, New York, N. Y., assignor to Federal Telephone and Radio Corporation, a corporation of Delaware

Application September 7, 1942, Serial No. 457,543

14 Claims. (Cl. 250—11)



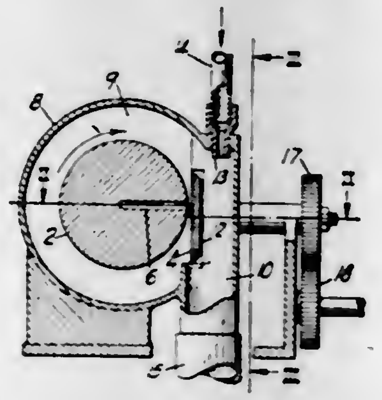
1. An antenna array comprising at least four antenna groups each of said groups containing at least two antenna elements arranged in a line, a translator apparatus, and means for transferring current between said apparatus and said groups said means serving to distribute the current with respect to said groups to diminish from the center group outwardly in accordance with the coefficients of the binomial expansion series.

2,418,125
METHOD AND APPARATUS FOR PRODUCING CRIMPED STAPLE FIBERS

Frederick William Koster and Alexander Bruenner, Meadville, Pa., assignors to American Viscose Corporation, Wilmington, Del., a corporation of Delaware

Application August 13, 1941, Serial No. 406,706

6 Claims. (Cl. 19—66)



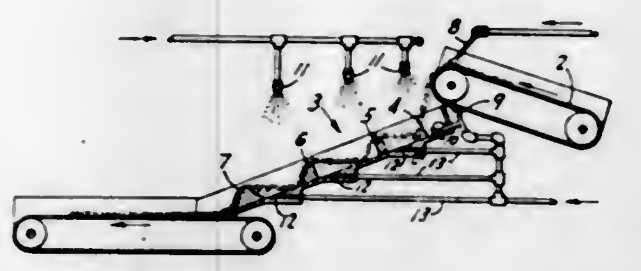
2. An apparatus for producing crimped staple fibers from filaments comprising a disc having an axial bore interconnected with a radial bore, means for rotating said disc, cutting means adjacent the periphery of said disc, a channel on the other side of said cutting means substantially tangential of said disc, and means for supplying said channel with a fluid crimping agent.

2,418,126
STAPLE FIBER OPENER

John E. Spalding, Nitro, and Dan B. Wicker, Dunbar, W. Va., assignors to American Viscose Corporation, Wilmington, Del., a corporation of Delaware

Application July 17, 1943, Serial No. 495,226

3 Claims. (Cl. 68—205)



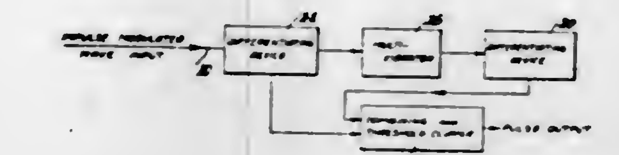
1. In a device for the treatment of fibers, a chute having an imperforate liquid-carrying bottom surface inclined to the horizontal, at least one transverse baffle in the chute projecting from its bottom and extending substantially horizontally across the entire width of the chute, means for delivering fibers and introducing a liquid into the upper end of the chute whereby the fibers are suspended and carried in suspension over the bottom surface of the chute to at least one pool retained by a respective baffle, and hydraulic means for gently agitating the fibers suspended in the pool and for removing the fibers from the pool, said hydraulic means comprising a generally horizontal row of openings in the chute bottom above the baffle and means for forcing additional liquid through the openings into the chute comprising passages through the chute bottom communicating with the openings and arranged to direct the additional liquid toward the baffle.

2,418,127
FILTER SYSTEM

Emile Labin, New York, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware

Application December 1, 1942, Serial No. 467,509

14 Claims. (Cl. 178—44)



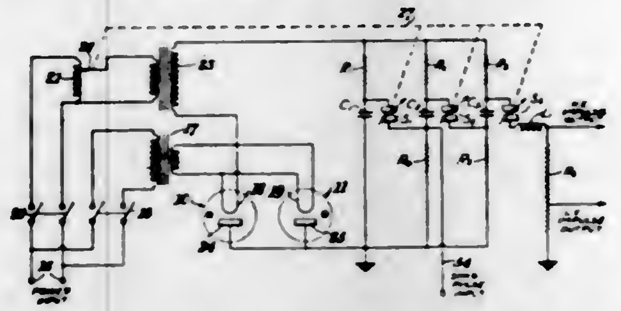
1. A method of selectively filtering a wave formed of different width impulses to produce pulses corresponding in time to the impulses of a given width only, comprising differentiating the wave to obtain a series of derivative pulses of a given polarity corresponding to the leading edges of the impulses and a second series of derivative pulses of opposite polarity corresponding to the trailing edges thereof, producing selecting pulses having a polarity corresponding to the polarity of one of said series of derivative pulses, said selecting pulses being disposed a time interval equal to said given width from derivative pulses of one of said series, mixing said derivative and selecting pulses, and clipping the resulting pulse energy at an amplitude level beyond the amplitude of the selecting pulses.

2,418,128
IMPULSE GENERATOR

Emile Labin, New York, N. Y., and Evert Manuel Ostlund, Montclair, N. J., assignors to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware

Application February 13, 1943, Serial No. 475,738

3 Claims. (Cl. 171—97)



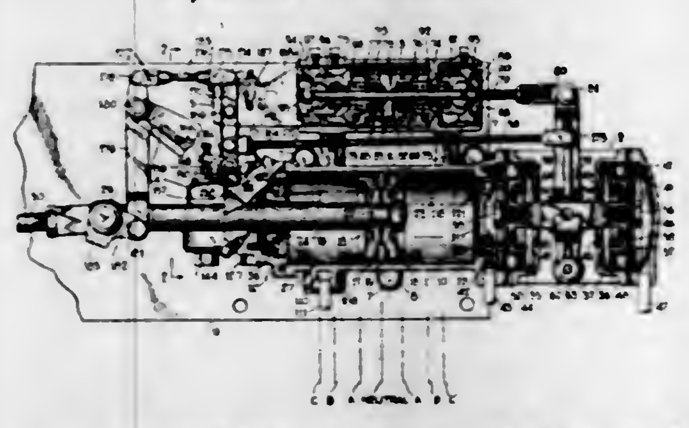
1. An electrical impulse generator comprising a circuit having a plurality of condensers connected in parallel, means including a plurality of spark gaps each disposed in series connection with respect to said condensers, means to supply energy to said condensers, means to control breakdown of said gaps to effect discharge of the energy stored in said condensers in series additive relation through said gaps to produce a large discharge impulse, an output load resistance, an inductance coil in series between said spark gaps and said output load resistance to control the rise-to-decay time ratio of the produced impulse.

2,418,129
FOLLOW-UP PRESSURE FLUID SERVOMOTOR

Arthur G. Larson, Forest Hills, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application December 31, 1942, Serial No. 470,803

6 Claims. (Cl. 121—41)



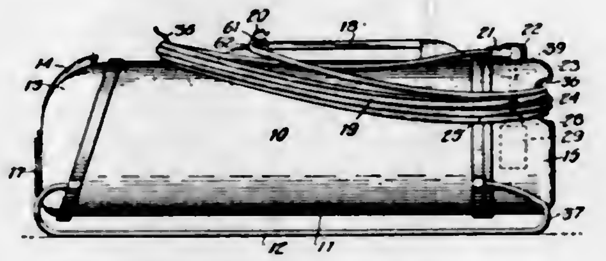
1. In combination, a power cylinder, a fluid pressure controlled power piston mounted to reciprocate in said cylinder, valve means associated with said cylinder and including a control member for controlling the pressure of fluid acting on opposite sides of said piston and operable with said control member in a normal position to effect equalization of the opposing pressures on said piston for rendering said piston immovable and being operable upon movement of said control member out of said normal position to establish a differential between said opposing pressures to cause movement of said piston, a structure secured to one end of said cylinder, a flexible diaphragm clamped around its periphery between said structure and the adjacent end of said cylinder and having at one side a pressure chamber, spring means mounted on one side of said cylinder, a control lever having a fulcrum connection with the structure and having one lever arm connected with said diaphragm and another lever arm connected to said spring means, said diaphragm being deflectable upon supply of fluid under pressure to said pressure chamber against the opposing force of said spring means to a position determined by the pressure of fluid in said chamber, a second lever having a fulcrum connection with said cylinder and a connection with said piston, an equalizing lever having an operating connection intermediate its ends with said control member, means connecting said control lever to one end of said equalizing lever, means connecting said second lever to the opposite end of said equalizing lever, said control lever being operable upon deflection of said diaphragm to actuate said equalizing lever for moving said control member out of said normal position, and said piston being operable upon movement relative to said diaphragm for actuating said second lever and thereby said equalizing lever for moving said control member to said normal position.

2,418,130
VACUUM CLEANER

Gustaf Einar Lofgren, Riverside, Conn., assignor to Electrolux Corporation, New York, N. Y., a corporation of Delaware

Application December 26, 1942, Serial No. 470,163

8 Claims. (Cl. 200—51)



1. In an electrical device and in combination, a circuit controller, a movable actuator for said circuit controller, a conductor receiving means carried by said actuator, and means for pivotally mounting said conductor receiving means for pivotal movement with respect to said circuit controller.

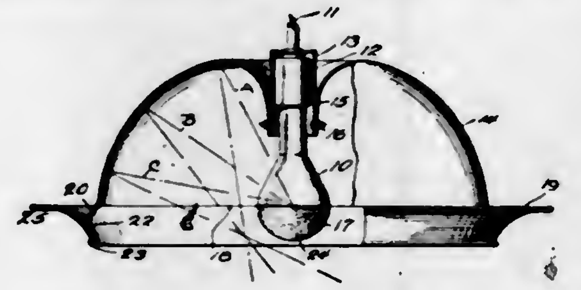
2,418,131
LIGHTING FIXTURE

Louis Margolis, Washington, D. C.

Application July 15, 1944, Serial No. 545,167

2 Claims. (Cl. 240—78)

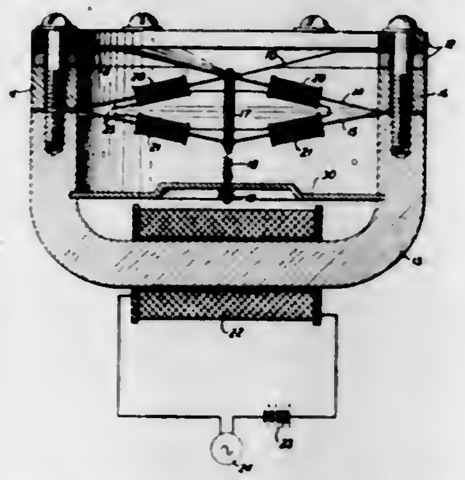
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. A lighting fixture comprising an annular reflector concave downwardly in cross section, a light socket, a lamp bulb in said socket, means for supporting said reflector on the light socket, an upwardly flaring annular auxiliary reflector of opaque material having its lower rim substantially the same size as the lower rim of said first-mentioned reflector, means supporting said auxiliary reflector from and beneath the first-mentioned reflector with the upper rim of the second-mentioned reflector substantially in the horizontal plane of the lower rim of said first-mentioned

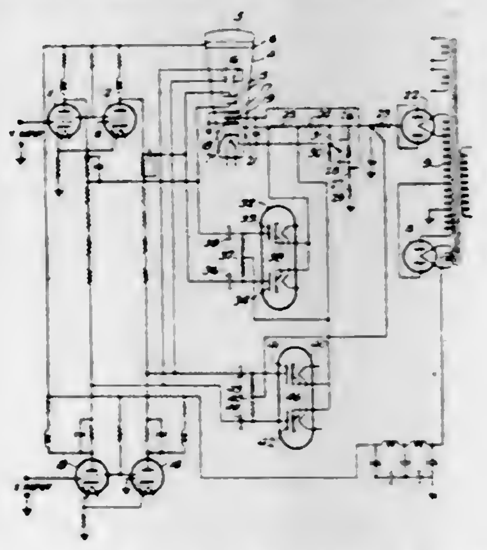
reflector and outwardly thereof, and a reflector surrounding the lower portion of the lamp bulb, the area of said last-mentioned reflector lying within the horizontal planes defined by the rims of the second-mentioned reflector.

2,418,132
ELECTROMECHANICAL SIGNAL TRANSLATING DEVICE
Joseph P. Maxfield, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 12, 1944, Serial No. 530,709
12 Claims. (Cl. 177—352)



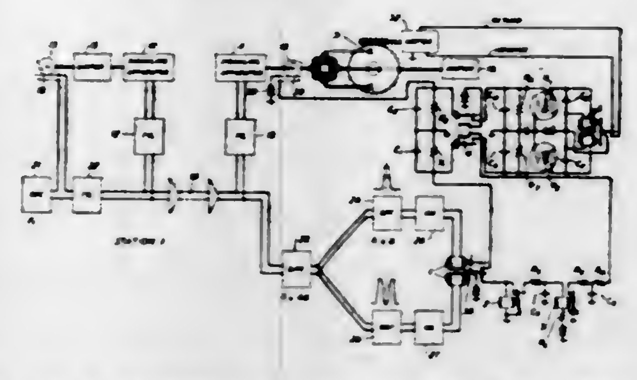
1. An electromechanical signal translating device comprising a magnetic circuit including a pair of similar magnetostrictive branches magnetically in parallel, means for establishing a varying flux in said circuit and threading said branches, signal coils magnetically coupled to said branches and poled in opposing relation, and vibratile means for varying the reluctance of said branches in opposite sense in accordance with vibration of said vibratile means.

2,418,133
CATHODE-RAY APPARATUS AND METHOD OF CONTROLLING THE RAY
Merton R. Miller, Evanston, and Arthur N. Ogden, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application June 18, 1943, Serial No. 491,278
6 Claims. (Cl. 315—30)



1. In a cathode ray apparatus, a cathode ray tube having a pair of deflecting electrodes and a modulating electrode, means for applying a deflecting voltage to said deflecting electrodes, means for applying a biasing voltage to said modulating electrode, a rectifier, means for applying a portion of said deflecting voltage to said rectifier, and means for applying a unidirectional voltage proportional to the time rate of change of said deflecting voltage from said rectifier to said modulating electrode to vary the intensity of the cathode ray beam.

2,418,134
SYNCHRONIZING SYSTEM
Doren Mitchell, Bound Brook, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 30, 1943, Serial No. 492,889
5 Claims. (Cl. 172—293)

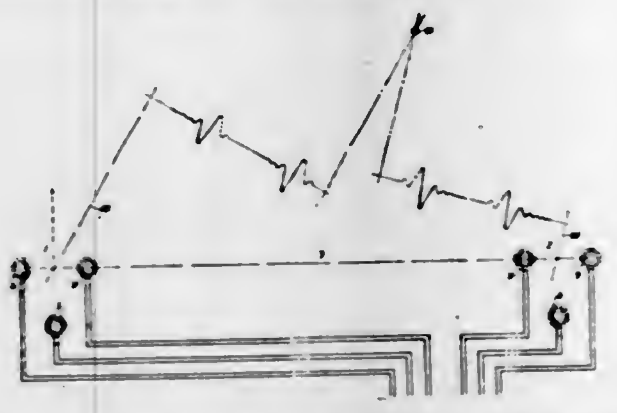


4. In a system for controlling the speed of a local mechanism to agree with the speed of a mechanism located at a distance, a transmission path leading from the distant mechanism to the local mechanism, means to send periodic control impulses over said path from the distant mechanism, said path being subject to noise, a narrow band filter and a relatively broad band filter having their inputs connected in parallel to said path, a differential relay having an actuating winding connected to the output of said narrow band filter and a restoring winding connected to the output of said other filter, said relay when operated in response to one of said control impulses closing a circuit for placing a charge of definite value on a first condenser, means controlled by the movement of the local mechanism for periodically placing a charge of definite value on a second condenser, resistive paths around said condensers for dissipating their charges at a given rate, a speed correcting circuit adapted to be connected across said condensers to receive the difference in voltage across them, and a delayed action relay operated from said differential relay in response to one of said impulses for momentarily connecting said speed correcting circuit across said condensers after both of said condensers have had the mentioned charges placed on them.

2,418,135
BITUMINOUS ADHESIVE
Samuel A. Moore, Mariemont, and Theodore Greenfield, Cincinnati, Ohio, assignors to Interchemical Corporation, New York, N. Y., a corporation of Ohio
No Drawing. Application June 9, 1943, Serial No. 490,228
4 Claims. (Cl. 260—28)

1. A thixotropic adhesive composition comprising 10 to 35% of a petroleum naphtha boiling between about 90 and about 200° F. and from 65 to 90% of permanent adhesive consisting of from 40 to 60% of blown asphalt with a ball-and-ring softening point between 180 and 240° F. and from 60 to 40% of a material selected from the group consisting of hard stearine pitch having a melting point between 160 and 230° F. and mixtures thereof with minor proportions of a resin selected from the group consisting of cumarone-indene resins and hydrocarbon resins comprising catalytic petroleum hydrocarbon polymers of high-temperature cracked recycle stock, said resin being soluble in petroleum hydrocarbon solvents and having a melting point between 200 and 300° F., the entire composition being characterized by its thixotropic body.

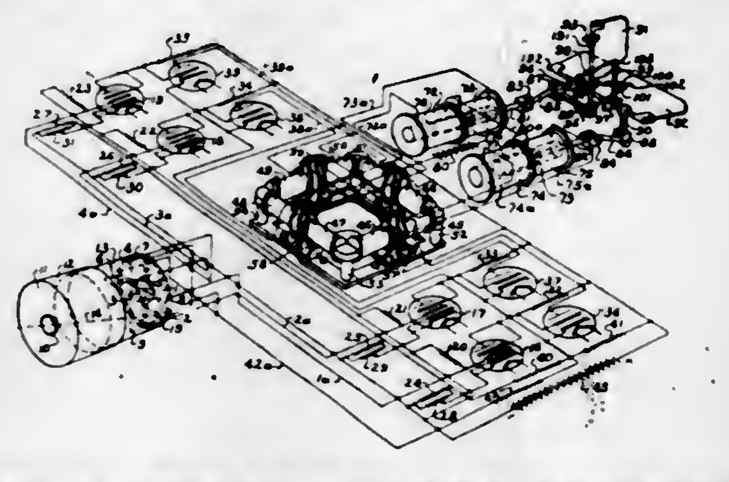
2,418,136
ACOUSTIC RANGE FINDER
Wilden A. Munson, Chatham, and John C. Steinberg, Short Hills, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 10, 1943, Serial No. 509,710
6 Claims. (Cl. 181—0.5)



1. In a sound ranging system, a plurality of spaced microphones for picking up sound waves from a source of sound to be located, a loop type magnetic recording member for each microphone, recording and erasing magnets for each recording member, means for driving the members to record and erase the outputs of the microphones, means for disabling all of the magnets to leave a record of the wave form of the sound from the source on each of the members, visual reproducing apparatus for selectively scanning the members to identify the recorded wave forms of said sound, means for bringing a plurality of the identified wave forms into accurate visual alignment registering devices operated in accordance with the operation of the aligning means whereby the differences in arrival time and hence the location of the sound may be determined.

2,418,137
MEANS FOR GUIDING PROJECTILES TOWARD PREDETERMINED DESTINATIONS AND FOR ASCERTAINING THE POSITIONS OF THE DESTINATIONS
Milton J. Noell, Dallas, Tex.
Application June 3, 1943, Serial No. 489,504
12 Claims. (Cl. 250—41.5)

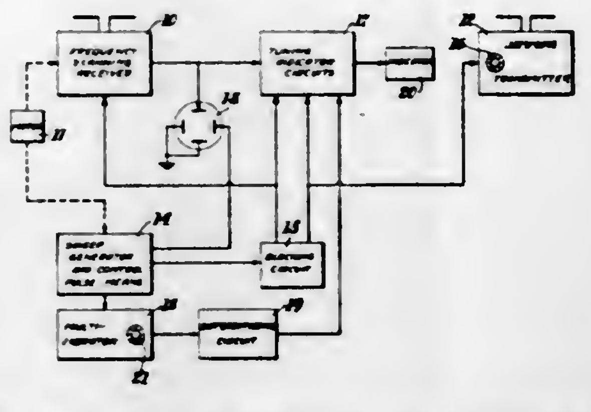
3. In a detecting system for ascertaining the location of an object including, means responsive to light contrast for receiving the image of an object, the means being divided into sections, each section being independent of the other sections and reacting electrically to said image independently of said other sections, a closed chain system of individually controlled magnetic relays, each relay having electrical connection with at least two adjacent sections of the light-responsive means so as to receive and be actuated by either the independent electrical reactions thereof, or the resultant reaction thereof, and actuating means containing induction coils having electrical connection with and operated by the magnetic variations of the relay chain in accordance with the movement of the image relative to said sections so as to assure flexible operational control from the instant the object is first detected until said image of the object completely covers all light responsive sections.



2,418,138
PAINT REMOVER COMPOSITION
Howard Packer, Dayton, Ohio
No Drawing. Application March 31, 1945, Serial No. 586,015
3 Claims. (Cl. 252—144)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A composition for removing paint and the like from surfaces consisting of the following ingredients in approximately the following parts by weight: acetone 53.5; ethylene dichloride 25.0; water 11.0; lactic acid 3.5; paraffin wax 1.0; cellulose acetate 3.0; and sulfonated castor oil 3.0.

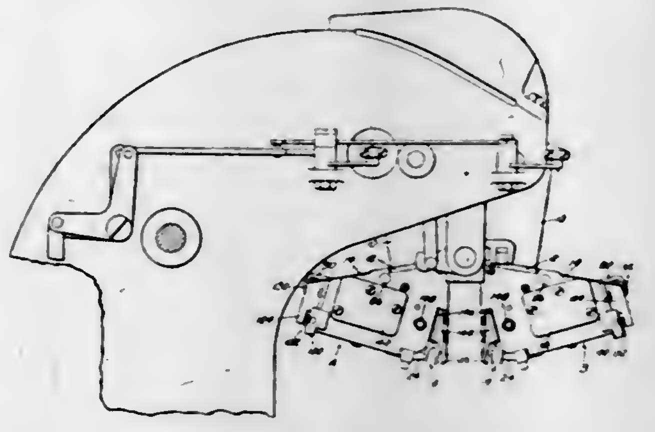
2,418,139
TRANSMITTER ADJUSTING SYSTEM
Albert Preisman, Flushing, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware
Application January 8, 1943, Serial No. 471,653
9 Claims. (Cl. 250—13)



1. A circuit for indicating the frequency of a selected applied signal comprising a signal receiver for said applied signal, means for continuously tuning said receiver over a band of frequencies, means operative in synchronism with said means for continuously tuning said receiver for producing control pulses, a tuning indication circuit coupled to the output of said receiver but normally nonresponsive to received signals, means for applying said control pulses to said tuning indicator for rendering it momentarily responsive to applied signals, and means for adjusting the position of said control pulse with respect to said band of frequencies to a position corresponding to said selected applied signal.

2,418,140
FASTENING INSERTING MECHANISM

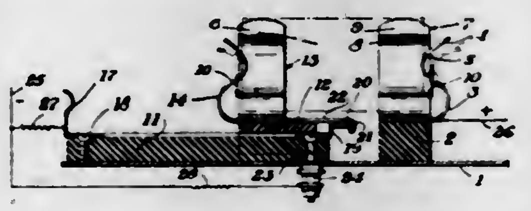
Charles A. Robinson, Salem, and Herman A. Imhof, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application April 18, 1945, Serial No. 588,974
12 Claims. (Cl. 1—20)



1. In a fastening inserting machine, the combination with work positioning means, of mechanism for driving a fastening into the work, said mechanism including a throat member movable into engagement with the work for guiding the fastening, a driver for driving the fastening, toggles associated respectively with said throat member and driver for operating them, and a single actuating member having a constant stroke for operating both toggles.

2,418,141
BATTERY HOLDER

Alfred M. Salazar, West Islip, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application August 28, 1944, Serial No. 551,486
11 Claims. (Cl. 320—2)

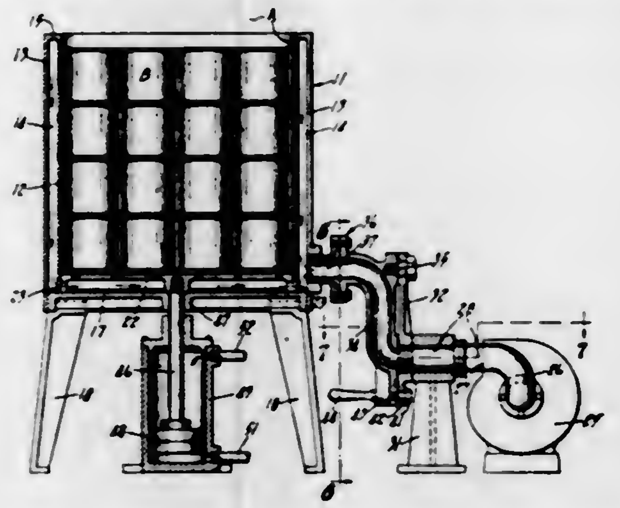


1. A battery charging holder comprising a base, a battery cell-holding member, an electrode contact associated with the member, a movable cell-holding member, a second electrode contact associated and movable with the latter member, a plurality of charging contacts each connected to the movable contact in a different position of the movable holding member, and a voltage regulating resistor connected to at least one of said charging contacts.

2,418,142
BAG LOADING MACHINE

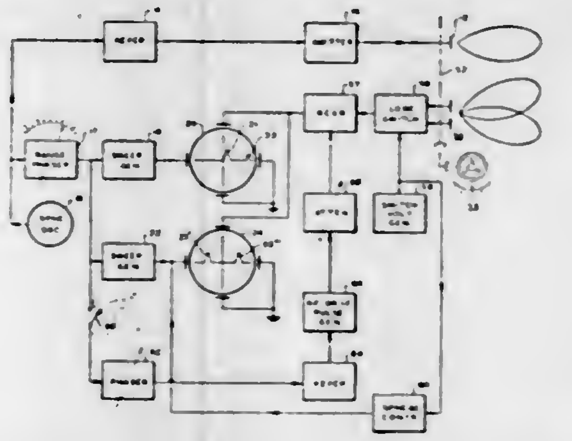
John E. Socke, Pelham Manor, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application September 10, 1942, Serial No. 457,877
6 Claims. (Cl. 226—47)

1. A machine for loading paper bags with containers arranged in a predetermined pattern to insure a maximum efficiency in packing space, comprising in combination, a mold casing including outer imperforate side and bottom walls and inner perforated side walls disposed in spaced relation to set off a chamber therebetween, said inner side walls forming a mold for enclosing the sides of an empty bag to be loaded, a vertically reciprocable perforated lifter plate normally disposed in the bottom of said casing and movable therein for engaging the bottom of the empty bag, means on said lifter plate for holding the same in spaced relation to the bottom wall of said casing to provide beneath said plate a continuation of said chamber, vacuum means connecting with said chamber for withdrawing air through the perforated inner walls of said mold including said lifter plate to draw the walls of the empty bag by atmospheric pressure into close contact with said walls and plate to shape the bag for maximum efficiency in the loading of containers thereinto, and air pressure means also connecting with said chamber for blowing air under pressure through the perforated walls of said mold including said lifter plate to force the walls of the filled bag away from said mold walls to facilitate removal of the bag from the mold.



2,418,143
SIGNAL COMPARISON SYSTEM

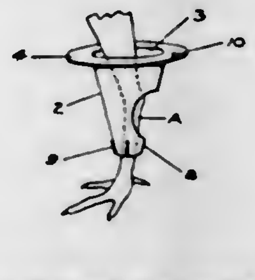
Edwin K. Stodola, Neptune, N. J., assignor to the Government of the United States of America, as represented by the Secretary of War
Application December 21, 1944, Serial No. 569.246
9 Claims. (Cl. 250—1.72)
(Granted under the act of March 3, 1883 as amended April 30, 1928; 370 O. G. 757)



1. In the determination of the bearing of an object by means of a pulse-echo wave-energy apparatus comprising a rotatable wave-detecting array having a pair of partially-overlapping, divergent response-lobes, wherein the bearing is determined by alternately impressing the echo-pulse energy in said lobes upon the input of an amplifier, and separately indicating the amplitudes of the echo-energy detected along the respective lobes in the amplifier output; the method of tracking which comprises impressing a sampling pulse upon the input of said amplifier at a time which is slightly displaced from the reception of each echo, separately indicating the amplitudes of the sampling pulses in the amplifier output which accompany the echoes detected along the respective lobes, and rotating said array until the indicated amplitudes of said echoes and sampling pulses reach a desired relation.

2,418,144
ANTI-HEN-SETTING DEVICE

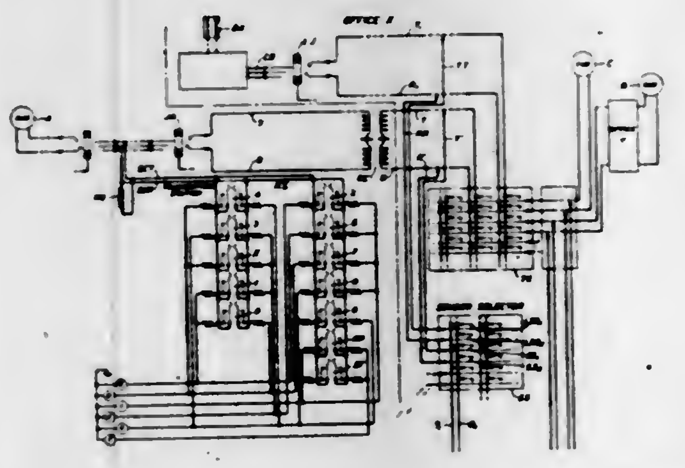
Kenneth M. Swearingen, Turlock, Calif.
Application August 28, 1944, Serial No. 551,512
4 Claims. (Cl. 119—97)



2. A poultry appliance comprising an inverted cone-shaped member and having an enlarged opening at one end and a restricted opening at the opposite end, and means provided in said member for detachably securing said appliance to the leg of a hen, said means comprising a slit formed in said member and connecting the restricted opening with an enlarged side opening provided in said cone-shaped member.

2,418,145
SIGNALING SYSTEM

Edmund R. Taylor, Pelham Manor, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 3, 1943, Serial No. 474,531
10 Claims. (Cl. 179—16)

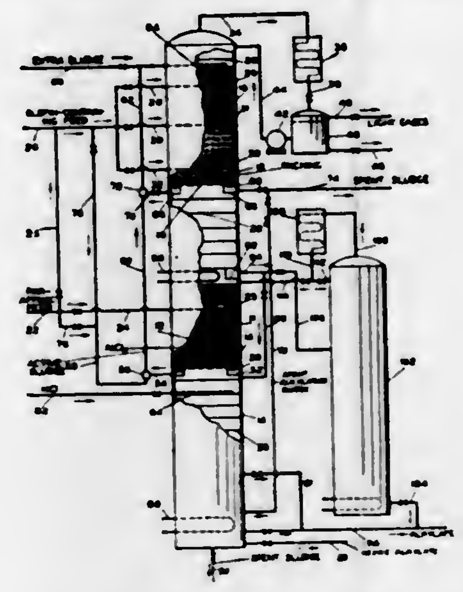


10. In an alternating current signal receiver, the combination with means for amplifying received signals, of means responsive to each signal for altering the amplification factor of said first-mentioned means a predetermined interval after the beginning of each received signal, storage devices, and means responsive to each of said amplified signals for operating said storage devices to register said signals.

2,418,146
CATALYTIC HYDROCARBON CONVERSION

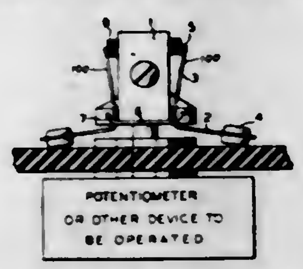
John D. Upham, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application September 13, 1943, Serial No. 502,180
7 Claims. (Cl. 260—683.4)

1. A process for the production of high octane number branched-chain normally liquid hydrocarbons suitable as aviation fuel components which comprises providing within a single vertical fractional distillation column a stripping section at a low point thereof, a higher isomerization zone containing a permeable bed of lump anhydrous aluminum chloride isomerization catalyst, and a yet higher alkylation zone containing a permeable bed of solid contact particles, said isomerization and alkylation zones including respectively the point of maximum normal butane concentration and the point of maximum isobutane concentration, maintaining temperature and pressure conditions throughout said column to effect fractional distillation therein and to effect isomerization in said isomerization zone and alkylation in said alkylation zone, introducing a low-boiling olefin into said alkylation zone, introducing normal butane into said column in an amount to provide at least sufficient isobutane to react with said olefin by alkylation, withdrawing active aluminum chloride sludge from said isomerization zone and passing same upwardly by entrainment in a portion of the feed hydrocarbons and discharging the same at a point above said bed of contact particles for flow downwardly thereover as the active alkylation catalyst, withdrawing spent sludge from said alkylation zone, providing a concentration of hydrogen chloride in said isomerization zone and in said alkylation zone effective to promote said catalysts, isomerizing said normal butane in said isomerization zone to form isobutane, causing thus-formed isobutane to pass upwardly by vaporization and rectification in said column to said alkylation zone, alkylating thus-formed isobutane with said olefin in said alkylation zone, causing resulting alkylate to flow downwardly in said column to said stripping section, vaporizing unreacted normal butane from alkylate in said stripping section and returning said vapors to said isomerization zone, maintaining a high isobutane-olefin ratio in said alkylation zone, withdrawing light gases overhead from said column, cooling and condensing same and returning condensate to the top of said column as reflux to aid said fractionation and to remove heat of isomerization and heat of alkylation, and withdrawing from said stripping section of said col-



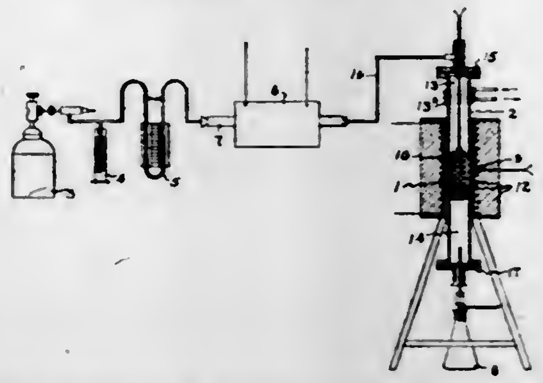
umn a stabilized normally liquid hydrocarbon fraction comprising branched-chain saturated hydrocarbons formed by said alkylation.

2,418,147
LOCKING DEVICE FOR BAR KNOBS
Myron T. Wilde, Wayland Mich.
Application October 26, 1945, Serial No. 624,925
1 Claim. (Cl. 188—83)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



In combination with a movable knob passing through an adjacent panel, a knob holding device comprising a pair of angle plates and a connecting link carried by said knob, said plates being fulcrumed in said link and carrying terminal friction elements, a single, helical, compressed spring carried by and passing through said knob with its ends receiving terminal portions of said plates and at all times urging said plates to braking position, with the friction elements in contact with the mentioned panel.

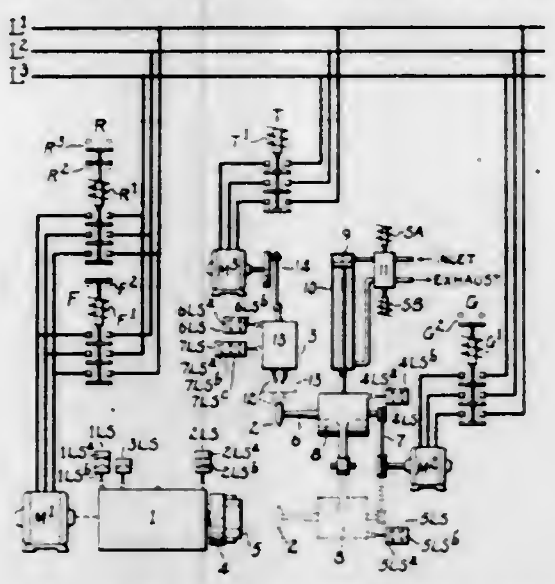
2,418,148
METHOD OF PRODUCING CRYSTALLINE IRON BY THE HYDROGEN REDUCTION OF FERROUS CHLORIDE
Clyde E. Williams and Ashland S. Henderson, Columbus, Ohio, assignors, by mesne assignments, to Henry L. Crowley & Company, Inc., a corporation of New Jersey
Application October 26, 1943, Serial No. 507,668
5 Claims. (Cl. 75—34)



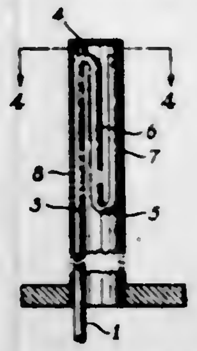
1. The method of producing iron powder whose particles are crystalline and of substantially uniform size and density by the reduction of ferrous chloride, which comprises subjecting the ferrous chloride to the action of hydrogen while maintaining the ferrous chloride during reduction at a temperature below its melting point.

2,418,149
MACHINE TOOL CONTROLLER
Walter E. Addicks, Irvington, N. Y., and Robert O. Perrine, Wauwatosa, Wis., assignors to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application February 26, 1944, Serial No. 524,056
7 Claims. (Cl. 51—95)

1. In a machine tool controller, in combination, a first control switch operable to effect one operation of the machine, a second control switch operable to effect a different operation of the machine, a controller biased toward a given normal operating position and having a ratchet operating mechanism associated therewith for effecting step by step advance thereof out of normal position into a plurality of other operating positions, selector means associated with said controller for rendering one or the other of said control switches effective for operation of the machine in each of the operating positions of said controller, means for controlling said ratcheting mechanism to effect an advance step of operation of said controller in response to either of the aforementioned operations of said machine and for permitting return of said controller to normal position upon completion of a selected sequence of operations of the machine, and means for rendering said selector means ineffective for control of said switches during return of said control device to normal position.

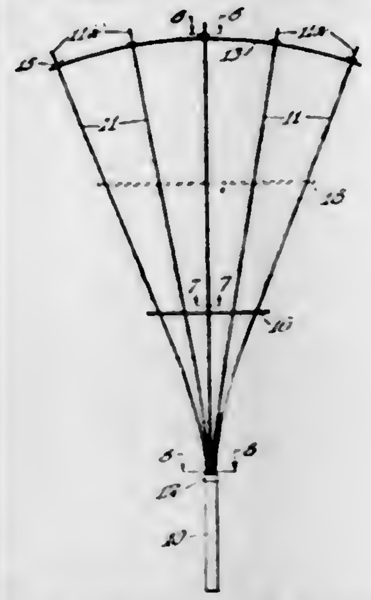


2,418,150
THERMAL RESPONSIVE ELEMENT
John R. Adriansen, Cincinnati, Ohio, and Robert N. Eck, Whitefish Bay, Wis., assignors to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application September 20, 1943, Serial No. 503,026
1 Claim. (Cl. 297—3)



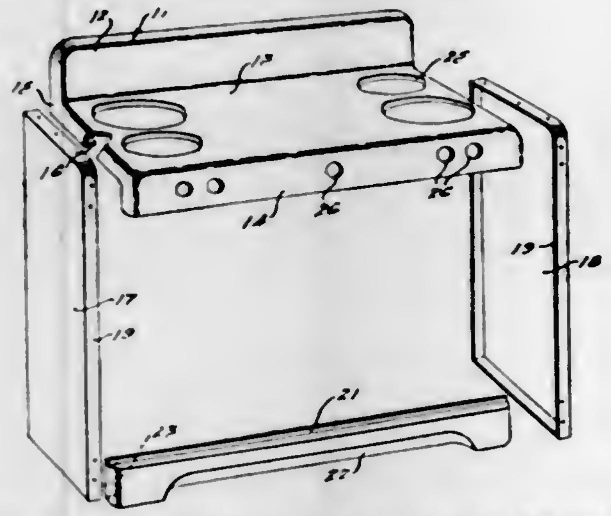
A thermal responsive element having a closed fluid containing capillary tube extension for insertion within an associated cylindrical well, said tube extension having spaced oppositely disposed hairpin bends forming an end portion consisting of a short end leg and a short intermediate connecting leg between said end leg and the body of said tube, said legs being spaced with respect to each other and with respect to the body of said tube to provide for torsional stressing of said tube in the intermediate leg portion thereof and transverse stressing of said tube at said bends upon insertion of the end portion thereof within said well to thereby insure good thermal contact of said tube with the interior surface of said well.

2,418,151
TRELLIS CONSTRUCTION
Ernest Anderson, Minneapolis, Minn., assignor, by direct and mesne assignments, of one-half to Catherine Anderson, doing business as Kate Manufacturing Company, Minneapolis, Minn., and one-half to Kenneth E. Luger, Minneapolis, Minn.
Application November 8, 1944, Serial No. 562,457
2 Claims. (Cl. 47—47)



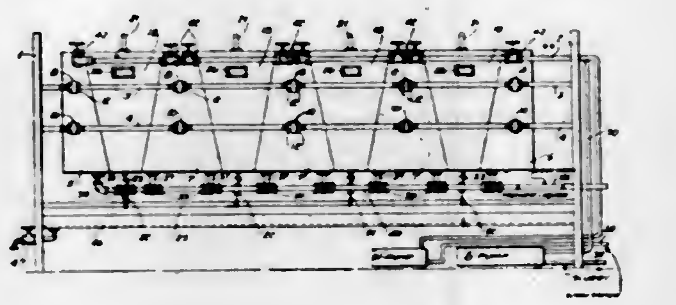
2. In a trellis construction, a base, a plurality of spaced flexible arms rising vertically from said base each having its upper free end formed with a reduced portion to provide a pair of spaced opposed upwardly facing shoulders spaced inwardly of said free end, detachable spacer means disposed over the reduced portions of said arms and engaging said shoulders so as to prevent downward movement of the spacer means and for holding said arms in fixed determined spaced relation, second spacer means disposed about and frictionally supported on said arms and movable therealong between the base and the first-named spacer means for varying and maintaining the relative spacing of the intermediate portions of said arms, and detachable means connected to the upper ends of said arms above said shouldered portions and the first named spacer means so as to prevent removal of the latter from said arms.

2,418,152
STOVE CONSTRUCTION
Clarence W. Avery, Detroit, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application September 24, 1943, Serial No. 503,601
2 Claims. (Cl. 126—39)



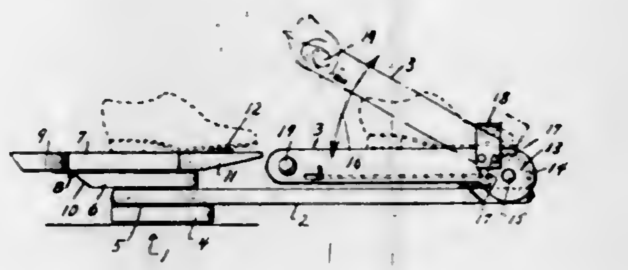
1. In a stove cabinet, a top panel flanged at the sides and formed upwardly at the back and downwardly at the front to provide a splash back portion and a front panel portion which are substantially in parallel relation, inwardly directed flanges at the bottom of the side flanges extending above the bottom of the front panel portion, and side panels joined to said inwardly directed flanges and forming a smooth continuation of said side flanges.

2,418,153
FILTER PRESS
Louis S. Barnett, Newark, N. J.
Application March 4, 1944, Serial No. 525,010
6 Claims. (Cl. 210—62)



1. A filter press including a framework, a plurality of wedge-shaped fixed and removable units arranged in alternate relationship on said framework with the narrow ends of the fixed units and the removable units facing upwardly and downwardly respectively, each of the removable units having a frame construction with two opposite sides open and means for feeding liquid to be filtered into the interior of said removable unit, filtering elements covering the two open sides of each removable unit, means fixedly mounting said fixed units on said framework, releasable means for directly engaging and pressing each removable unit against the fixed units at opposite sides of said removable unit with said filtering members tightly clamped between said units and for releasing said removable units for removal from the filter press without disturbing the fixed units, the fixed units having their opposite sides formed to receive the liquid from the removable units through said filtering members, and means for taking away the filtered liquid from said fixed units.

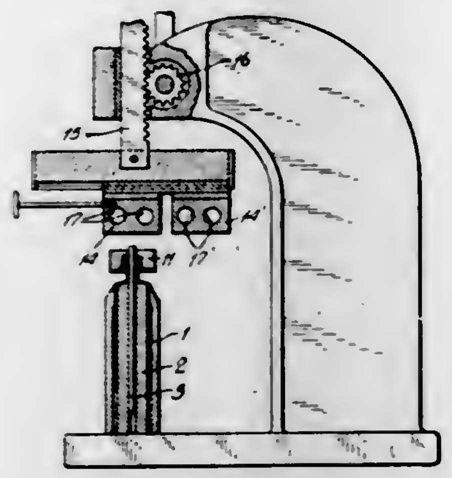
2,418,154
EXERCISING DEVICE
Joseph D. Bell, San Francisco, Calif.
Application August 28, 1945, Serial No. 613,101
17 Claims. (Cl. 272—57)



1. In an exercising device of the character described, a platform adapted to have a foot supported thereon, an arm pivoted with respect to the platform for swinging movement, and means

for anchoring the second foot to the arm, whereby the second foot may be guided about the first foot in a to-and-fro swinging motion.

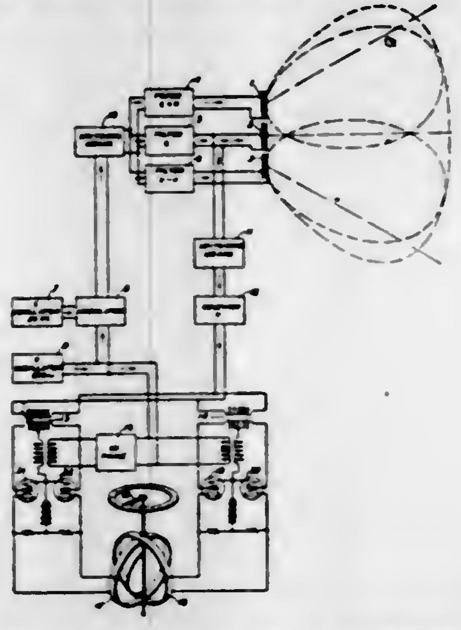
2,418,155
METHOD FOR MAKING PLASTIC ARTICLES
Boris Bogoslowsky, Jackson Heights, N. Y.
Original application February 22, 1944, Serial No. 523,409. Divided and this application February 22, 1944, Serial No. 523,410
3 Claims. (Cl. 18—55)



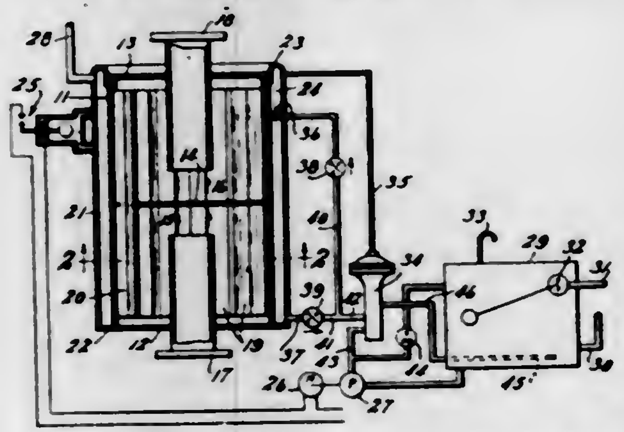
3. The method of making a collapsible tube which comprises deforming one end of a cylindrical tubular blank containing thermoplastic material to form an embryo tube having a shoulder and neck consisting of overlapping plies of such material, said shoulder extending inwardly from the wall of said blank and said neck extending upwardly from said shoulder, supporting said embryo tube internally on a mandrel, placing said embryo tube while so supported in an external die comprising two parts, one of said parts having an internal cavity adapted to mold the overlapping plies of the shoulder and neck, and the other of said parts having a cylindrical mold surface adapted to confine and grip the wall of the blank below said shoulder and hold the same under pressure against said mandrel, applying pressure without heat through said second part to the portion of the blank confined thereby, and successively applying heat and pressure and cooling and pressure to the overlapping plies of the shoulder and neck through said first mold part while continuing to apply pressure without heat through said second part to the portion of the blank confined thereby.

2,418,156
DIRECTION FINDING SYSTEM
John H. Bollman, Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 15, 1943, Serial No. 483,126
6 Claims. (Cl. 177—352)

1. In a locating system, means for transmitting a plurality of signals each differing from the other in direction and by a small amount in frequency, means for receiving a reflection of said transmitted signals, means for combining and converting said received reflected signals into a single alternating current whose phase with respect to the said transmitted signals is a measure of the bearing of the object from which said signals were reflected, and means responsive to the phase of said alternating current for indicating the said bearing.

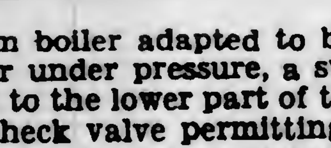


2,418,157
WASTE HEAT BOILER
Roland B. Bourne, West Hartford, Conn., assignor to The Maxim Silencer Company, Hartford, Conn., a corporation of Connecticut
Application August 1, 1945, Serial No. 608,162
5 Claims. (Cl. 122—7)



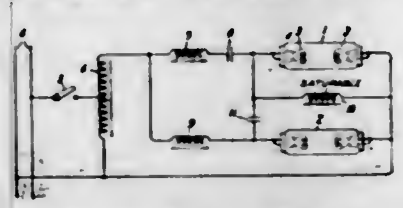
2. In a steam boiler adapted to be run dry, a source of water under pressure, a sump, a drain pipe connected to the lower part of the boiler and containing a check valve permitting flow out of the boiler only, a feed pipe connected to the upper part of the boiler and containing a check valve permitting flow into the boiler only, a common connection between the drain and feed pipes, and valve means to couple said common connection alternatively to the source or to the sump.

2,418,158
GUNFIRE CONTROL
Edmond Bruce, Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 16, 1943, Serial No. 502,656
4 Claims. (Cl. 89—41)



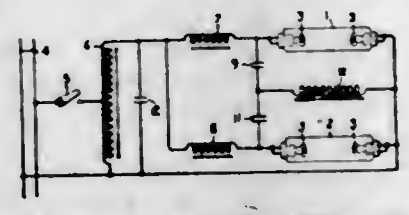
4. For the control of gun-fire from a firing position on a moving target, said position being provided with means for measuring the range of the target and with guns capable of firing projectiles of known velocity, an electrical circuit including a timing circuit for measuring a time interval subsequent to the instant of an initial measurement of the range and equal to said range initially measured divided by the projectile velocity, said timing circuit comprising an electrical gaseous discharge tube provided with a cathode, a control electrode and an anode, a capacitance connected between the cathode and the control electrode, a source of unidirectional voltage having a positive and a negative terminal, a resistance connected between said positive terminal and the cathode of said tube, a second resistance connected between said positive terminal and the control electrode of said tube and variable in magnitude to constitute with said capacitance a circuit having a time constant equal to said initially measured range divided by said velocity, switching means operable at the instant of said initial measurement to connect said negative terminal to the cathode of said tube and an output circuit connected between said positive terminal and the anode of said tube including an electromagnetic device operative subsequently by said time interval to the instant of said connection.

2,418,159
STARTING AND CONTROLLING APPARATUS FOR ELECTRIC DISCHARGE LAMPS
John H. Campbell, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 31, 1943, Serial No. 516,418
8 Claims. (Cl. 315—228)



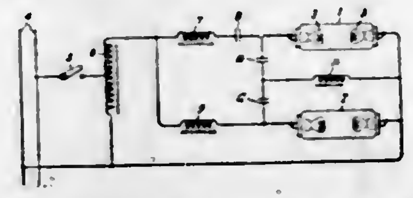
1. In combination, a plurality of reactive lamp circuits each arranged to include an electric discharge lamp, one of said circuits being capacitive and the other inductive, said circuits being connected together to be supplied in parallel from a source of alternating current supply having a voltage less than that required to start the lamp, and a reactive circuit connected to shunt each lamp and functioning with the lamp circuits to produce a high voltage to start the lamps, each of said shunt circuits having reactance opposite in character to that of the circuit of the lamp which it shunts and said shunt circuits having a reactive member in common.

2,418,160
STARTING AND CONTROLLING APPARATUS FOR ELECTRIC DISCHARGE LAMPS
John H. Campbell, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 31, 1943, Serial No. 516,419
9 Claims. (Cl. 315—228)



1. In combination, a plurality of inductively reactive lamp circuits having reactances of like character each arranged to include an electric discharge lamp having a pair of electrodes, said circuits being connected together to be supplied in parallel from a source of alternating current supply, a reactive circuit connected to shunt each lamp, the reactance of each shunt circuit being capacitive prior to conduction by said lamps and including a pair of serially connected reactive impedance elements connected between electrodes of different lamps and a common reactive impedance element connected between the common juncture of the serially connected impedance elements and other electrodes of said lamps.

2,418,161
STARTING AND CONTROLLING APPARATUS FOR ELECTRIC DISCHARGE LAMPS
John H. Campbell, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 31, 1943, Serial No. 516,420
3 Claims. (Cl. 315—228)

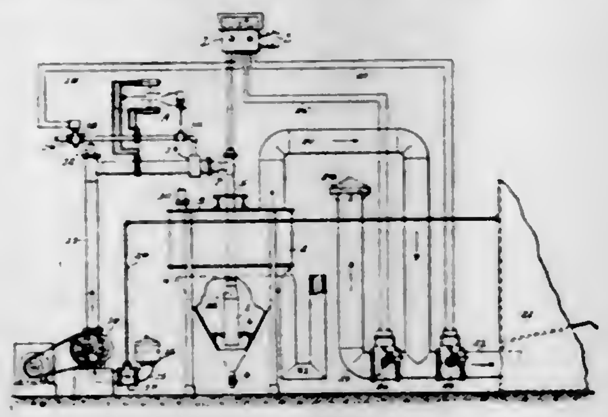


1. In combination, a plurality of reactive lamp circuits each arranged to include an electric discharge lamp having a pair of electrodes, said circuits being connected together to be supplied in parallel from a source of alternating current supply having a voltage less than that required to start the lamps, one of said circuits comprising impedance means having a net capacitive reactance and the other circuit comprising impedance means having a net inductive reactance, and means connected intermediate the first-mentioned and second-mentioned impedance means and electrodes of the lamps and comprising a reactive circuit including a plurality of reactive members including a reactor and a capacitor shunting the lamp in said one circuit and a second reactive circuit including a plurality of reactive members including a reactor and a capacitor shunting the lamp in said other circuit, one of said reactive members being common to both said shunt circuits, said reactive shunt circuits and said reactive lamp circuits being operable upon application of current to provide high voltage to start said lamps.

2,418,162
APPARATUS AND METHOD FOR PRODUCING INERT GAS
Lawrence K. Cecil, Rudolph J. Stengl, and Floyd B. Bedwell, Tulsa, Okla., assignors to Ozark Chemical Company, Tulsa, Okla., a corporation of Delaware
Application July 19, 1944, Serial No. 545,670
6 Claims. (Cl. 23—2)

4. Apparatus of the character described comprising a closed tank having an overflow outlet effective to determine the maximum level of water in the tank and means for supplying water thereto, a burner disposed in the tank having its outlet below said level, an inlet pipe extending from the burner outwardly of the tank, a mixing device connected therewith, an air inlet pipe extending to the mixing device, means for supplying air under pressure through said pipe, a pressure responsive valve associated with said means for controlling the volume of air so supplied, a

gas inlet pipe extending to said device, an electrically actuated shutoff valve therein, means between said valve and said device for metering the gas passing to the latter when the shutoff valve is open in accordance with the volume of air delivered to the device, a gasometer remote from the tank, a conduit leading from the tank toward the gasometer and branched proximate thereto, one branch being connected with the gasometer and the other opening to the atmosphere, a similar but normally open electrically actuated shutoff valve in the branch extending to the gasometer, a normally closed shutoff valve in the other branch, a thermo-couple proximate the burner, electrical control means connected therewith and with each of the shutoff valves operative when the thermo-couple is actuated by a decrease in its temperature to close the shutoff valve in the gas inlet pipe and reverse the positions of the shutoff valves in the conduit branches, and a connection between the gasometer and the pressure responsive valve to control the degree of opening of the latter in correspondence to variations in pressure in the gasometer and thereby vary the volume of air delivered to the mixing device, the length of the conduit being such as to permit the reversal of the valves in the conduit branches following actuation of the thermo-couple before any unburned mixture discharged from the burner can reach the gasometer.



6. The method of producing relatively inert gas substantially free of oxides of nitrogen which comprises continuously admitting to a substantially closed chamber and withdrawing therefrom through a sealed overflow a non-combustible liquid capable of absorbing said oxides from combustion products, continuously introducing into the chamber a combustible mixture of gaseous fuel and air, effecting combustion of said mixture beneath the surface of the liquid and discharging the products of combustion into the liquid beneath its surface a distance adequate to insure substantially complete absorption by the liquid of said oxides contained in said products, collecting the unabsorbed gaseous products after their passage through the liquid, initially directing them through a conduit and into the atmosphere until they have filled the conduit, and then diverting them after passage through the conduit into a substantially air-free reservoir while excluding air from the chamber, conduit and reservoir.

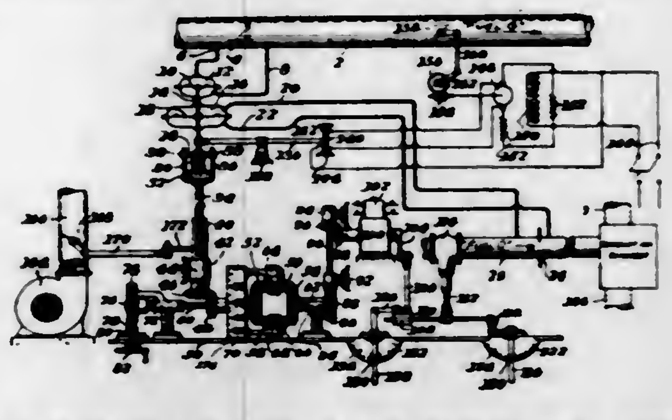
2,418,163
COMBUSTION CONTROL

Sherman Chase, Evergreen Park, Ill., assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey

Application January 24, 1945, Serial No. 574,423

10 Claims. (Cl. 158—119)

4. Apparatus for controlling the flow of two fluid fuels to a combustion chamber which comprises a conduit for each of the fuels, an orifice in each conduit, a diaphragm connected across each orifice, means for adding the pressures exerted on the diaphragms, means for applying pressure to counteract the diaphragm pressures, means for changing the flow of one of the fuels, means responsive to the unbalance between the diaphragm pressures and the counteracting pressure due to the change in flow of the first fuel for changing the flow of the second fuel, means for varying the pressure of said counteracting means to change the total heat input to the combustion chamber, said last named means also changing the position of the flow changing means of the first fuel to maintain the existing ratio of the two fuels regardless of the change in total heat input.

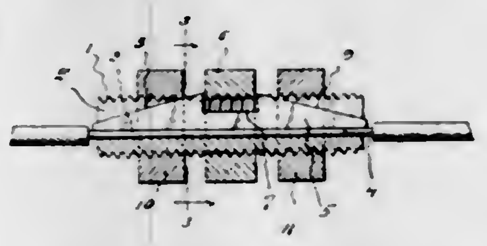


2,418,164
COUPLING FOR ELECTRIC WIRES

Harry H. Corley, Humboldt, Ariz.

Application June 12, 1945, Serial No. 598,942

2 Claims. (Cl. 287—78)



1. A coupling for electric wires, comprising an exteriorly-threaded, cylindrical member provided with a longitudinally-disposed groove adapted to contain the overlapped ends of two wires, a clamping-member disposed longitudinally in said groove and provided with a lower, straight edge parallel with the bottom of the groove, oppositely-inclined surfaces of the upper edges adapted to project above the groove, and a recess in the upper edge between said inclined surfaces, a retaining nut located on said cylindrical member and adapted to engage with said recess when the clamping-member is in operative position and adjusting nuts threaded on said cylindrical member and located on each side of said retaining nut and adapted to engage with the projecting, inclined edges of the clamping-member and exert pressure of the clamping-member on the overlapped ends of the wires.

2,418,165
AUTOMATIC STAMPING HAMMER

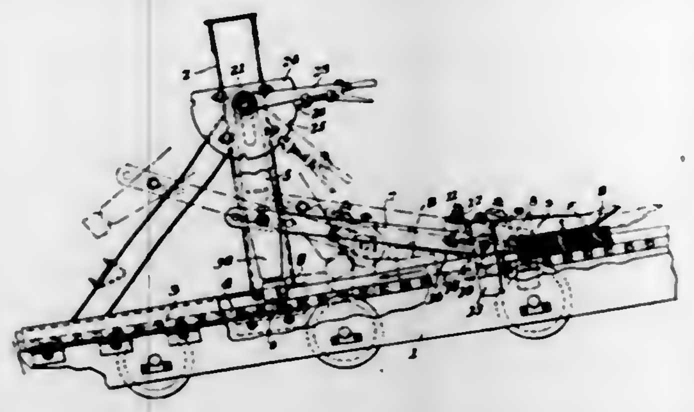
Epily C. Deitrich, Brentwood, Pa., assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey

Application March 31, 1944, Serial No. 529,043

7 Claims. (Cl. 101—4)

1. An automatic stamping hammer for stamping the advancing end of work traveling over a

conveyor table, including a supporting structure spaced above said table, a rocker arm pivotally suspended from said structure with a free end swinging above said table in line with the traveling direction of said work, a stamping hammer carried by said free arm and registering with said work end, a push rod pivotally connected with a swinging portion of said arm for vertical swinging and extending transversely from said arm in a direction opposing said work end and provided with work-abutting-means spaced from said arm and registering with said work end so they interengage so said traveling work forces said push rod to raise said arm, and a lever longitudinally extending beyond said means from said push rod with a free end spaced above said table for passing over and engaging the top of said work with its vertical angularity fixed respecting that of said push rod so said free end fulcrums on said work top as the angularity of said push rod increases respecting said work top as it raises said rocker arm, whereby said lever forces said work-abutting-means upwardly free from said work end and permits falling of said rocker arm so said stamping hammer strikes said work end.

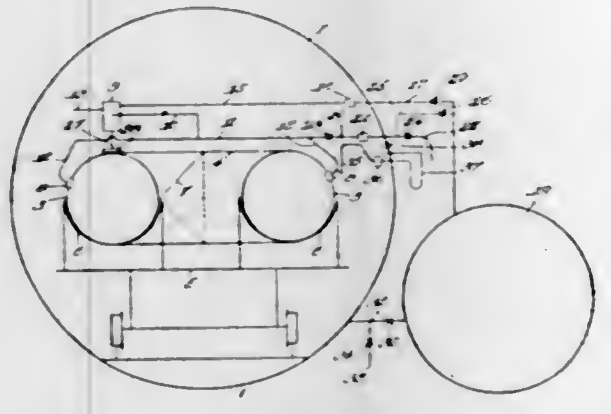


2,418,166
APPARATUS AND PROCESS FOR THE HEAT-TREATING OF COLLAPSIBLE HOLLOW ARTICLES OF RUBBER AND THE LIKE

Harry C. Dinmore, Jr., Lowell, and Roland K. Fraser, Andover, Mass., assignors to Tyer Rubber Company, Andover, Mass., a corporation of Massachusetts

Application October 8, 1942, Serial No. 461,262

14 Claims. (Cl. 18—6)



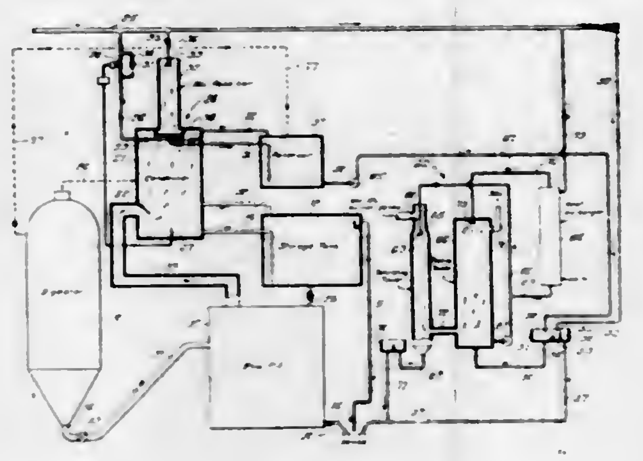
10. A method of vulcanizing rubber bridge pontoons, boats and the like which comprises a plurality of wall sections temporarily united by vulcanizable cement, the method consisting in inflating the pontoon with gas to approximately its final shape, supporting the unvulcanized pontoon unconfinedly in a closed vulcanizing chamber, subjecting it to vulcanizing heat and pressure within the chamber, and maintaining the internal pressure within the pontoon in excess of the external pressure thereon by an amount equal to approximately one-half inch of water column during the vulcanization by the introduction of additional gas into, and the withdrawal of excess gas from, the article to keep the article properly inflated and to avoid the forcing apart of the wall sections by excessive internal pressure during the vulcanizing operation.

2,418,167
RECOVERY OF SO_2 FROM DIGESTER BLOWOFF GASES

Horace A. Du Bois, Neenah, Wis., assignor to Paper Patents Company, Neenah, Wis., a corporation of Wisconsin

Application October 5, 1940, Serial No. 359,835

4 Claims. (Cl. 92—11)



1. In the operation of a sulphite pulp plant including an intermittently operated digester system and a continuously operated sulphur burner and burner gas cooling system, the method of recovering and utilizing intermittently discharged SO_2 which comprises, absorbing the SO_2 as it is discharged to form an aqueous solution thereof, conducting said aqueous SO_2 solution as it is formed to a storage tank therefor, delivering the aqueous SO_2 solution at a relatively uniform rate from said storage tank to said burner gas cooling system, and stripping absorbed SO_2 from said aqueous SO_2 solution by contacting the solution with hot burner gases from said sulphur burner.

2,418,168
METHOD OF MAKING SHOES AND LACED UPPERS EMPLOYED THEREIN

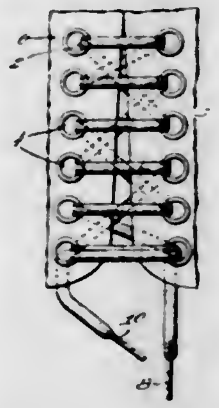
Joseph Fossa, Salem, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Original application July 23, 1941, Serial No. 403,675. Divided and this application October 14, 1944, Serial No. 558,771

5 Claims. (Cl. 36—46.5)

4. An unlasted eyeletted shoe upper having a dress lace passing through a plurality of the eyelets and across the lacing slit with one end portion extending outwardly through the first of a pair of oppositely disposed eyelets, then across the lacing slit and then inwardly through the second of said pair of eyelets, and with the other end portion extending outwardly through the second of said pair of eyelets, then across the lacing slit in the opposite direction and then inwardly

through the first of said pair of eyelets to form a lacing of a length to provide a predetermined



width of lacing slit when the upper is applied to a last for the shoe lasting operation.

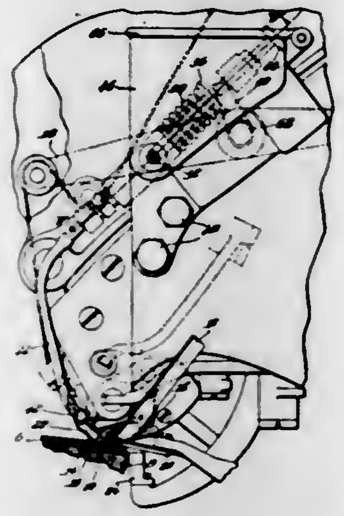
2,418,169

METHOD AND MACHINE FOR SEWING CEMENT BONDED SEAMS

James P. Fredericksen, Braintree, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application July 2, 1945, Serial No. 602,896

15 Claims. (Cl. 112—35)



8. A machine for inserting a cement bonded seam, having devices for manipulating thread to form stitches successively and for pulling thread from a perforation at one side of the work to take out slack from between the stitch being formed and the previous stitch at the other side of the work and to set each stitch, in combination with means for treating the thread between stitches with an adhesive agent at the slack thread side of the work to cause the adhesive agent to be drawn into a perforation while the slack in each stitch is being pulled out.

2,418,170

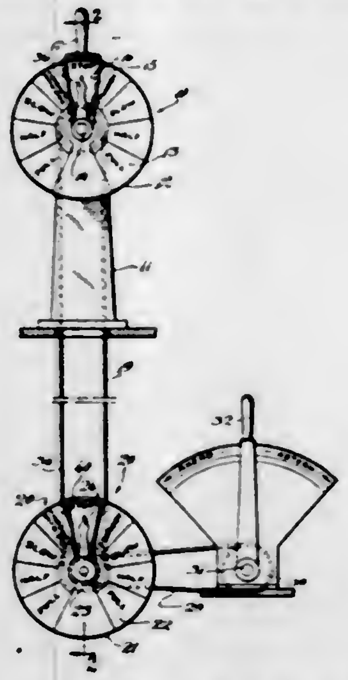
SHIP'S TELEGRAPH

Robert E. Friend, Chenequa, Wis., assignor to Nordberg Manufacturing Co., Milwaukee, Wis., a corporation of Wisconsin

Substituted for application Serial No. 419,873, November 21, 1941. This application April 19, 1945, Serial No. 589,143

5 Claims. (Cl. 116—21)

1. In a ship telegraph system, a bridge telegraph including a dial having desired orders indicated thereon, a lever movable to any of said indicated orders and a pointer movable to any of the orders indicated, an engine room telegraph including a dial having orders indicated thereon corresponding to the orders indicated on the bridge telegraph dial and a pointer movable to any of said orders, means actuated by said lever to actuate the pointer on the engine room telegraph, an engine control lever, and means actuated by the engine control lever to actuate the pointer on the bridge telegraph.



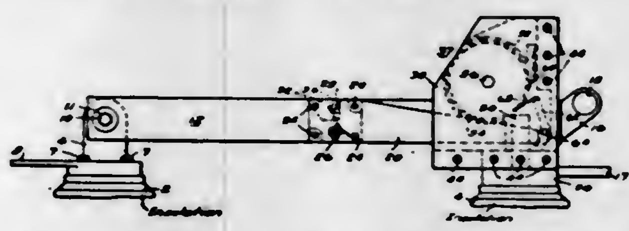
2,418,171

CIRCUIT INTERRUPTER

Howard W. Graybill, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application September 14, 1944, Serial No. 553,990

21 Claims. (Cl. 200—149)



1. In a circuit interrupter, means of insulating material defining opposed inner wall portions of a narrow slot arc passage, said material of at least one inner wall portion being capable of evolving an arc-extinguishing gas when in proximity to an electric arc to aid in extinguishing the arc, separable contacts adapted when separated to establish an arc at one point in said passage and draw out the arc through said passage, at least a portion of said gas evolving material being mounted for pivotal movement on an axis which extends transversely of said passage and is located at a point spaced from said point of arc establishment in the direction of arc drawing movement, and means responsive to successive circuit interrupting operations to rotate said portion of said material an amount sufficient to expose different parts of said rotatable portion of said material to said point of arc establishment on such succeeding circuit interrupting operations.

2,418,172

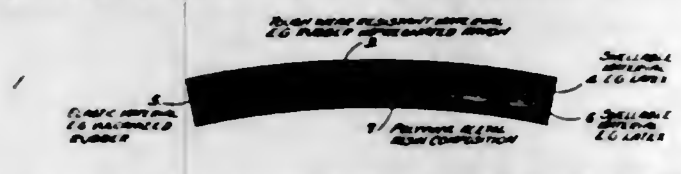
CONTAINER

Henry E. Griffith, Hartford, Conn., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

Application November 7, 1941, Serial No. 418,233

4 Claims. (Cl. 154—43.5)

1. In a gasoline container characterized by the ability to self-seal when in contact with gasoline after the passage of a bullet therethrough, a wall having the following consecutive layers: a layer of tough, wear-resistant material, a layer of gasoline-swellable material, a layer of elastic material, another layer of a gasoline-swellable material and an inner layer comprising a gasoline-insoluble polyvinyl acetal resin containing, by weight, from about 5 to 21% hydroxyl groups calculated as polyvinyl alcohol, up to about 13% acetate groups calculated as polyvinyl acetate and the rest substantially acetal.



2,418,173

PRODUCTION OF DIKETONES

Vernon E. Haury, El Cerrito, and Seaver A. Ballard, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application July 18, 1944, Serial No. 545.536

12 Claims. (Cl. 260—586)

5. A process for the production of a diketone which comprises acylating an N-(alkyl) substituted ketimine wherein the carbon atom linked to the nitrogen atom by a double bond is linked by single bonds to two different hydrocarbon radicals, at least one of which is an alkyl radical, by reacting it with an acylating agent, and hydrolyzing the resulting acylated ketimine by reacting it with a hydrolytic reagent.

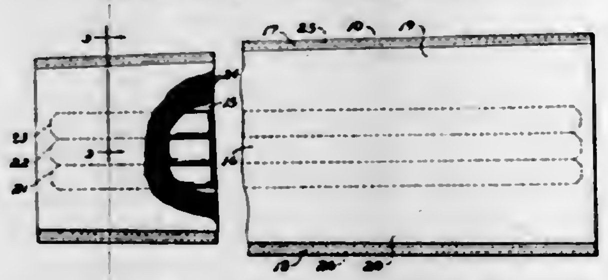
2,418,174

PROTECTIVE COVERING FOR PREVENTING ACCUMULATION OF ICE ON AIRFOILS

Eugene E. Heston, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application November 13, 1945, Serial No. 628,163

15 Claims. (Cl. 244—134)



1. Apparatus for preventing the accumulation of ice on a surface, said apparatus comprising a covering for said surface having a portion of resilient rubber-like material between opposite margins of the covering, and means for stretching said portion in the direction toward said margins, said portion having a plurality of elements of filamentary material united with said rubber-like material and extending generally in said direction, said elements being substantially individual and arranged in side-by-side but non-straight disposition with the elements laterally devious as viewed from a face of the covering so that the tendency of said elements to straighten from their non-straight arrangement under stretch of said portion in said direction promotes distribution of the stretching action of said rubber-like material throughout said portion as governed by said elements, and shifting of portions of said covering laterally of said direction of stretch as viewed from said face of the covering is compelled by the movement of the non-straight elements toward the straightened condition under the stretching of said portion of the covering.

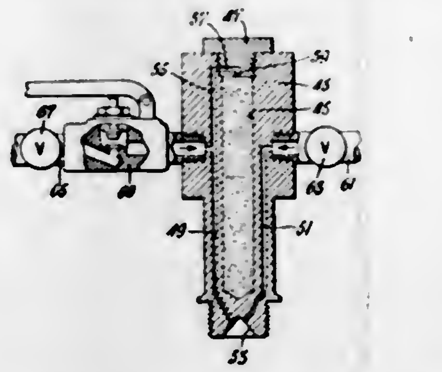
2,418,175

IGNITION CATALYST TREATMENT AND APPARATUS

Beverly M. Higginbotham, Kenmore, N. Y., assignor to The Linde Air Products Company, a corporation of Ohio

Application September 29, 1943, Serial No. 504,266

16 Claims. (Cl. 67—19)



6. A method for igniting a flowing combustible gas mixture comprising separating a small batch of discrete finely divided particles comprising an ignition catalyst from a larger body of such particles, injecting said batch into said mixture after its separation from said body, and heating the catalyst particles to the ignition temperature of the combustible mixture by contact with said mixture and while the catalyst particles are moving in and with the combustible mixture and its products of combustion.

15. An apparatus for handling an ignition catalyst powder comprising a chamber in which a quantity of the powder may be kept; means for extracting a small amount of powder from said chamber; means for transporting said extracted small amount of powder to its place of use; and means for protecting the powder against poisoning and heating in transit and in said chamber.

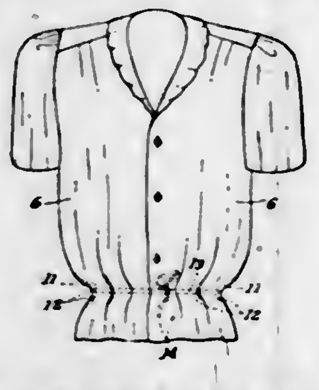
2,418,176

WEARING APPAREL

Ethel H. Hillman, South Pasadena, Calif.

Application November 13, 1945, Serial No. 628,033

1 Claim. (Cl. 2—105)



A garment of the type indicated comprising a back area, side portions terminating at a bottom edge, a plurality of tucks extending upwardly from the bottom edge in said back and sides, a line of stitching in each tuck to form a tab on the inner side of the garment, at least one tab on each side and at least two tabs on the back being provided with upper and lower button holes arranged in upper and lower transverse lines, and a tape passed selectively through said lines of button-holes.

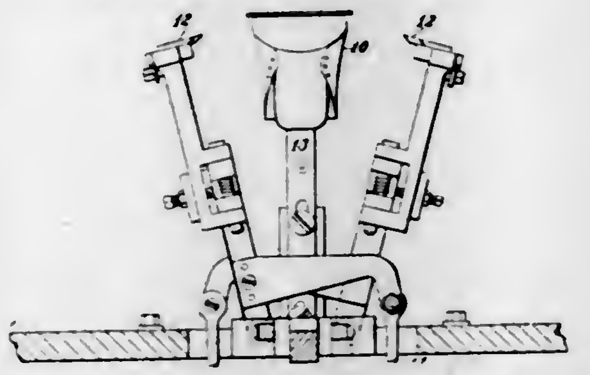
2,418,177

METHOD OF MAKING PREWELT SHOES

Eric A. Holmgren, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Original application November 26, 1942, Serial No. 466,975. Divided and this application October 10, 1944, Serial No. 557,999

9 Claims. (Cl. 12—142)



1. That method of making prewelt shoes which comprises mounting a prewelt upper on supporting means which fills the interior of the upper lengthwise and widthwise but does not fill the interior of the forepart of the upper heightwise, supporting the outward extension of the welt on members constructed and arranged to be positioned within the welt crease, mounting a filler on said supporting means, and while the upper and filler are so supported, securing a sole to the welt and the filler.

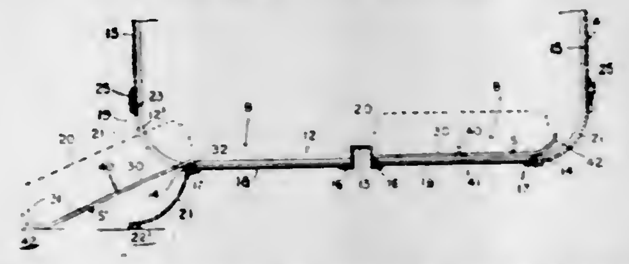
2,418,178

SPARE TIRE CARRIER SKID ASSEMBLY

Paul J. Huebshman, Dearborn, Mich., assignor to Whitehead & Kales Company, River Rouge, Mich., a corporation of Michigan

Application February 26, 1945, Serial No. 579,863

16 Claims. (Cl. 224—29)



1. In combination, a vehicle body having a longitudinally extending central frame member having laterally extending legs substantially at floor level and a vertically extending portion between said legs extending substantially above floor level, longitudinally extending side frame members, floor sheets supported between said side frame members and the laterally extending legs of said central frame member, door openings at opposite sides of said vehicle, tire carrying skids movable through said door openings, the vertically extending portion of said central frame member serving as a common intermediate abutment or stop for tires mounted on said skids.

2,418,179

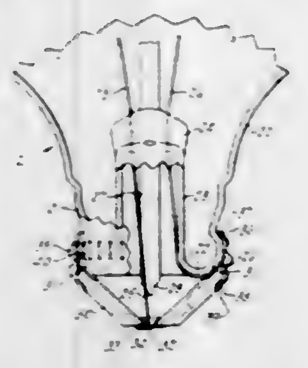
BASE FOR ELECTRIC LAMPS AND SIMILAR DEVICES

Elmer B. Isaac, Cleveland Heights, and Francis J. Rippl, Cleveland, Ohio, assignors to General Electric Company, a corporation of New York

Application May 6, 1943, Serial No. 485,816

16 Claims. (Cl. 176—32)

1. The combination with an electric lamp having a bulb with a hermetically sealed and externally shouldered neck end presenting antiturning engagement means, and a shouldered base insulator at said neck end of said bulb carrying a center contact button, of a cast metal screw shell contact around the peripheries of said neck end and said insulator interlocked behind their shoulders, whereby said parts are secured to one another, and also antiturningly engaged with said antiturning engagement means of said neck end, a lamp lead extending out through said center contact button and electrically connected thereto, and a lamp lead extending out between said neck end and said base insulator to said screw shell, and electrically connected to the latter.



2,418,180

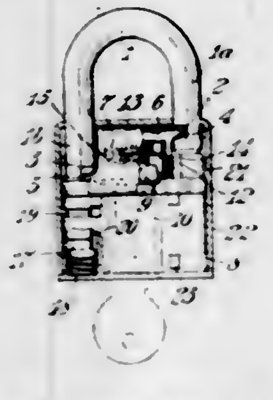
LOCKING MECHANISM

Albert Sidney Kendrick, Wolverhampton, England, assignor to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut

Application September 24, 1945, Serial No. 618,083

In Great Britain September 20, 1944

10 Claims. (Cl. 70—38)



1. In a lock of the class described, a casing having openings in its upper end for the legs of a sliding shackle, a tubular sleeve rotating in juxtaposed relation to the upper end of said casing and between said shackle legs, lugs formed as integral parts of said sleeve through the cutting of the surface of said sleeve, and notches in each of said shackle legs into which said lugs extend to lock said shackle, the rotation of said sleeve withdrawing said lugs from said notches to release said shackle.

2,418,181

STEROIDAL HORMONE INTERMEDIATES

Russell Earl Marker, Mexico City, Mexico, assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan

No Drawing. Original application February 5, 1940, Serial No. 317,419. Divided and this application May 24, 1944, Serial No. 537,192

4 Claims. (Cl. 260—397.3)

1. A steroid of the class consisting of Δ^{16}-allo-pregnenetrione-3,6,20; $\Delta^{4,16}$-pregnadienetrione-3,6,20; and allo-pregnanetrione-3,6,20.

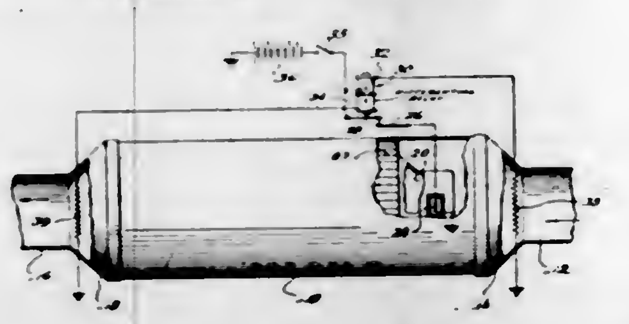
2,418,182

AIR HEATER HAVING AIR TEMPERATURE RESPONSIVE IGNITION CONTROL

Henry J. De N. McCollum, Chicago, Ill.; Thelma McCollum, executrix of said Henry J. De N. McCollum, deceased, assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia

Application October 9, 1944, Serial No. 557,773

4 Claims. (Cl. 126—116)



1. In an air heater having a combustion chamber, heat exchanger, and an electrical igniter for igniting fuel supplied to the combustion chamber; the combination of a differential relay having two opposed windings and having a switch which is opened when the current through either of said windings substantially exceeds that through the other winding, an igniter circuit including said relay switch, a source of electrical energy included in said igniter circuit, a pair of electrical resistances responsive, respectively, to the temperature of the ventilating air at the inlet of said heat exchanger and to the temperature of the ventilating air at the outlet of said heat exchanger, and similar circuits connecting said resistances respectively in series with said relay windings and in series with said source.

2,418,183

PREVENTION OF EMULSIONS DURING EXTRACTION OF OLEFINS WITH METAL SALT SOLUTIONS

Horace R. McCombie, Torrance, and Russell L. Kittle, Long Beach, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application November 16, 1944, Serial No. 563,810

7 Claims. (Cl. 260—677)

1. An improved process for separating olefins from fluid mixtures containing them and aldehyde impurities comprising washing said mixture with aqueous ammonia which is a non-solvent for unsaturated hydrocarbons and thereby separating substantially all of said aldehyde impurities from said hydrocarbons and thereafter extracting said olefins from the aldehyde-free mixture with a solution of a heavy metal salt capable of forming reversible complexes with said olefins.

2,418,184

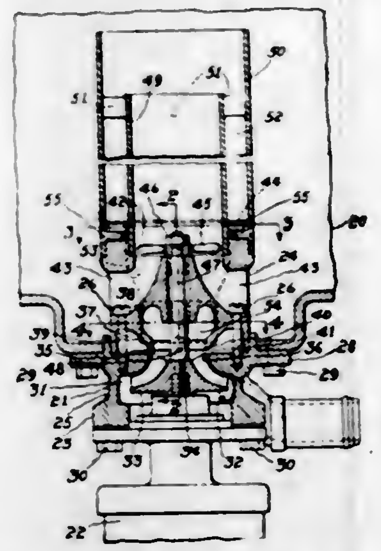
PUMPING MECHANISM

James W. McConaghy, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey

Application November 18, 1943, Serial No. 510,713

6 Claims. (Cl. 103—113)

1. Pumping mechanism for liquid-fuel, comprising a casing having an impeller chamber and an outlet for the chamber, an impeller in the chamber, a reservoir above the impeller chamber constituting a supply passage therefor and having an opening at its upper end to permit liquid to spill from the reservoir, and pumping means for pumping liquid into the reservoir and having greater pumping capacity than the impeller, and a discharge conduit for the pumping means having its discharge end within the reservoir below the opening to deliver liquid to the reservoir and to the opening.



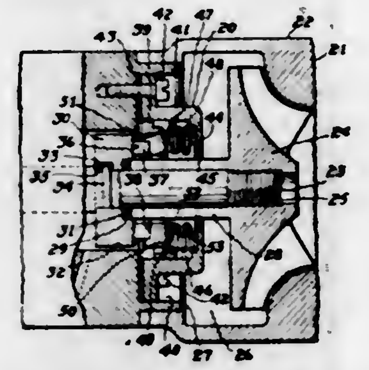
2,418,185

SEALING DEVICE

James W. McConaghy, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey

Application May 26, 1944, Serial No. 537,493

2 Claims. (Cl. 286—11)



1. In a sealing device, the combination of a casing having a chamber for fluid and a rotor having a sealing surface, a sealing member to cooperate with the sealing surface for controlling the leakage of fluid from the chamber, a holder for the sealing member having a cylindrical portion and an annular seating surface at the juncture of the peripheral surface and an end surface of said portion, a cage on the casing encircling the rotor having its interior in communication with the chamber and having a guiding surface, a ring slidable on the guiding surface having a conform surface coaxial with the seating surface to seat thereagainst for retaining the sealing member in axial alignment with the sealing surface, a spring in the cage to press the conform surface against the seating surface and to press the sealing member against the sealing surface, and an annular resilient sealing member hermetically connected to the holder and the cage to prevent the flow of fluid from the cage around the outer marginal portion of the holder.

2,418,186

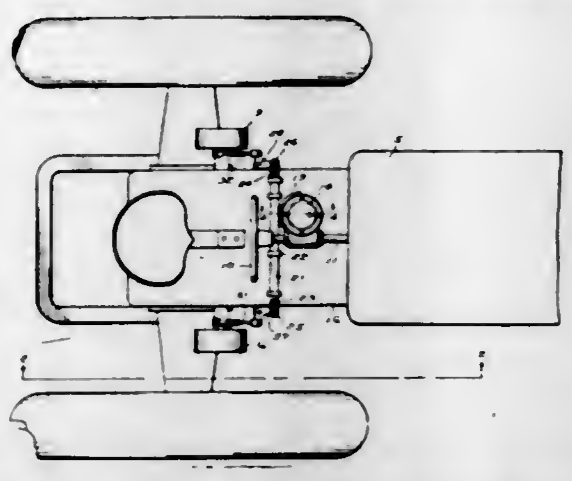
BRAKE OPERATING MEANS FOR TRACTORS

Carl L. Mehn and Margaret M. Mehn, Gridley, Ill.

Application December 14, 1944, Serial No. 568,176

1 Claim. (Cl. 180—18)

In combination, a tractor including right and left hand rear side wheels, right and left hand brakes for said wheels, and a steering wheel shaft extending longitudinally of the tractor and adapted to be connected to a front steering wheel for the tractor, a rack bar slidably mounted on the tractor for movement transversely thereof, said rack bar having slots at each end, bellcrank levers pivoted at the respective sides of the tractor, a roller at one end of each lever adapted to travel in the respective slots, means operatively connecting the other ends of the levers to the respective brakes, a vertical shaft operatively connected to the steering shaft and operatively engaged with the rack bar to transmit motion from the steering shaft to the rack bar for applying one of the brakes in accordance with the steering direction imparted to the steering shaft.



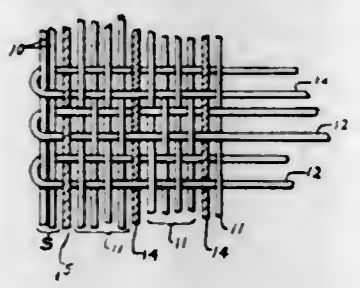
2,418,187

ELASTIC TAPE

John V. Moore, Pawtucket, R. I., assignor to Moore Fabric Company, Pawtucket, R. I., a corporation of Rhode Island

Application August 21, 1945, Serial No. 611,821

1 Claim. (Cl. 139—421)



An elastic tape comprising an elastic selvage strand, elastic body warps, textile body warps disposed in groups alternating with said elastic warps and with each group comprising a plurality of non-elastic warps, an elastic binder warp for the selvage interposed between said selvage strand and the next adjacent group of non-elastic body warps, and non-elastic weft threads for said tape, said elastic selvage strand and said elastic binder warp being woven one-up and one-down but in opposite sheds, and the next adjacent non-elastic body warp being woven, at least in part, in a different shed from said elastic binder warp.

2,418,188

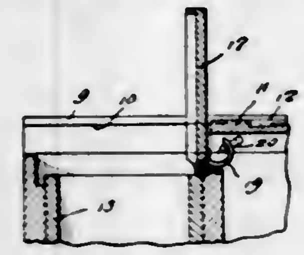
COMBINED CIGARETTE CASE AND ASH RECEIVER

Abner M. Nixon, Jr., Columbus, Ohio

Application December 13, 1944, Serial No. 567,981

2 Claims. (Cl. 206—38)

1. A pocket cigarette case having a cigarette compartment and an ash receiving compartment therein, a removable receptacle positioned in said ash receiving compartment, an outer main lid slidably mounted on the case and in its closed position covering both of said compartments, a separate inner hinged lid for the ash receptacle, and inter-engaging hooks carried by said lids and cooperatively engaging each other upon an opening movement of the sliding lid in one direction to thereby open the hinged lid.



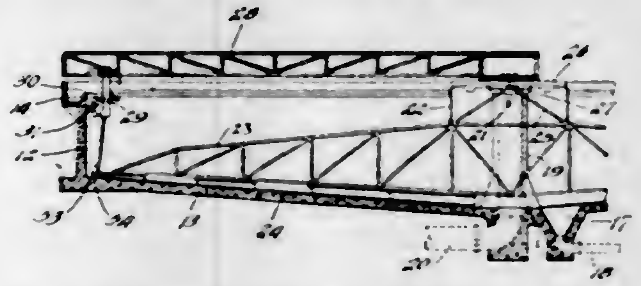
2,418,189

TRACTION DRIVE FOR LIQUID TREATING APPARATUS

Carl H. Nordell, Chicago, Ill., assignor to Infilco Incorporated, a corporation of Delaware

Application August 23, 1941, Serial No. 408,115

15 Claims. (Cl. 210—55)



1. In a liquid and solids separator comprising a tank having an inlet for liquid to be treated, an overflow weir for the escape of clarified liquid, an outlet for separated solids, and a solids scraper adapted to move separated solids over the bottom of said tank toward said solids outlet, an improved means for operating said solids scraper comprising a carriage, a fixed traction surface in said tank at a level below the level of said weir, a traction wheel carried by said carriage, engaging said traction surface and traveling along the same, a motor supported by said carriage, a power transmission mechanism joining said motor to said wheel, and a connection joining said carriage to said scraper.

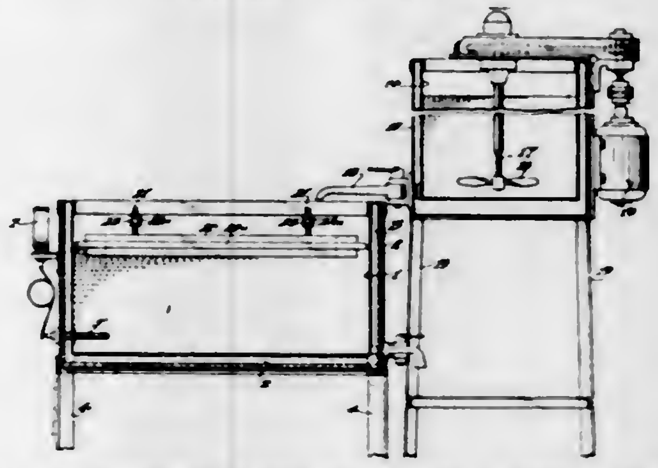
2,418,190

DIPPING APPARATUS FOR COATING ICE CREAM BARS

Leo D. Overland, Brooklyn, N. Y.

Application October 20, 1941, Serial No. 415,780

5 Claims. (Cl. 107—54)



1. In dipping apparatus for coating frozen confection bars, and in combination with a tank for holding a liquid coating material and a stick rack for holding frozen confections on sticks, a float device adapted for floating upon the surface of the liquid coating material, said float device having a passageway for the frozen confections and being formed with a lateral projecting flange intermediate the top and bottom walls thereof, and stop means to limit the movement of frozen confections into the coating material, the float descending with the body of the liquid coating material as the height of the latter is lowered in the tank.

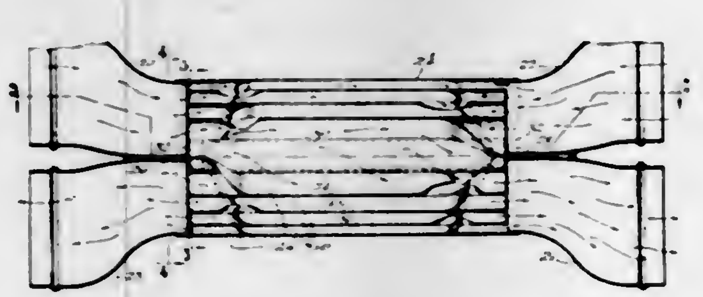
2,418,191

HEAT EXCHANGER

William C. Parrish, Park Ridge, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia

Application December 10, 1943, Serial No. 513,674

6 Claims. (Cl. 257—246)



1. A heat exchanger comprising, a plurality of cylindrical sheets of different diameters positioned one within the other, a plurality of deflector strips secured between successive sheets respectively, and dividing each space between adjacent cylindrical sheets into two separate passageways, said deflector strips having their inlet ends in alignment and secured to one another to form a diametral dividing strip and having their outlet ends transposed through an angle of 180° and secured together to form a second diametral dividing strip parallel to the first, and a plurality of mainfolds having ends semi-circular in cross section and secured to said dividing strips and the outermost of said cylindrical sheets.

2,418,192

STRANDED WIRE STRUCTURE FOR APPARATUS TOWING

Walter T. Peirce, Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey

Application December 7, 1943, Serial No. 513,316

7 Claims. (Cl. 114—235)

1. Apparatus for providing relative movement between a displaceable medium and an object free to rotate in said medium comprising means having relative motion with respect to the displaceable medium, and a stranded wire structure connecting said object and said means, said structure having a cross section with one axis appreciably longer than some other axis whereby its tendency to twist is resisted by the movement of the medium relative to the non-circular shape of the structure.

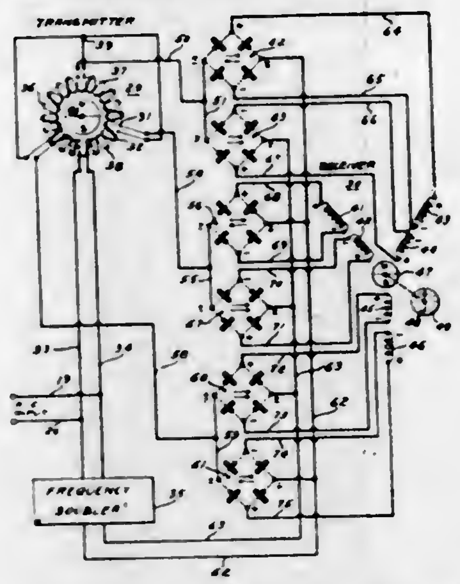
2,418,193

SELF-SYNCHRONOUS MOTION REPRODUCING SYSTEM

Joel D. Peterson, Ridgewood, N. J., assignor to Bendix Aviation Corporation, Bendix, N. J., a corporation of Delaware

Application July 11, 1942, Serial No. 450,595

13 Claims. (Cl. 172—239)



1. In combination, a transmitter of the alternating current type having an annular core of magnetically permeable material arranged to be traversed by a uni-directional magnetic field for inducing a magnetic flux therein, said core and uni-directional field being relatively angularly movable, an alternating current input winding wound on said core around its circumference, a plurality of equally angularly spaced alternating current output windings wound on said core in inductive relation with said input winding, an alternating current source connected to energize said input winding for periodically varying the magnetic flux in said core, whereby an alternating voltage is induced in each of said output windings which is an even harmonic of the fundamental frequency of said energizing current and the magnitude of which is a function of the relative angular relation between said core and the uni-directional field, means for combining with each of the voltages from said output windings a reference alternating voltage having the same frequency as said output voltages, a plurality of rectifying means for rectifying the combined reference voltage and output voltage from each of said output windings separately, and a direct current type of receiver comprising a stator having a plurality of equally angularly spaced direct current windings respectively connected to the outputs of said plurality of rectifying means to produce a resultant uni-directional magnetic field having an angular direction corresponding to the direction of the uni-directional field at the transmitter with respect to the annular core thereof, and a rotor actuated by the resultant field of said receiver stator windings to an angular position corresponding to the angular direction of the uni-directional field at the transmitter.

2,418,194

SEALING MEANS FOR SUBMERSIBLE ELECTRIC MOTOR-PUMP UNITS

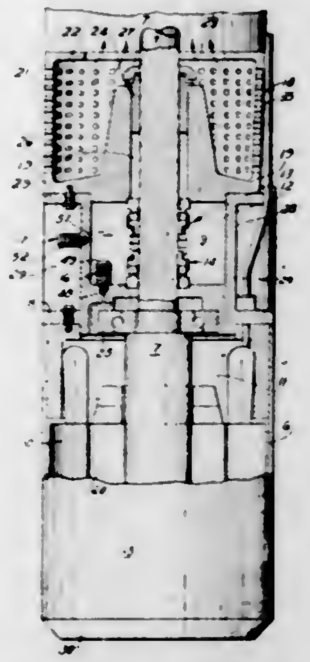
Jack E. Piccardo, Oakland, Calif., assignor to Shasta Pump Company, a corporation of California

Application April 19, 1944, Serial No. 531,822

4 Claims. (Cl. 286—9)

1. In a sealing means for a submersible housing having a rotatable shaft extending there-

from, means providing a closed chamber sealed to said housing about said shaft with the latter extending through said chamber, fluids in said housing and chamber, a rotatable sealing means sealing said fluids from each other along said shaft, a second rotatable sealing means sealing said chamber from the external submersible fluid along said shaft, said first and second named rotatable sealing means comprising a pair of rings concentric to and surrounding said shaft and secured and sealed to said housing and chamber means respectively, a second pair of rings secured and sealed to said shaft concentric to said first rings and in sliding sealed engagement therewith, means constantly urging said rings into said sliding sealed engagement, and fluid tight pressure responsive means equalizing the pressures of the fluids in said housing and chamber with each other and with the pressure of said external fluid.

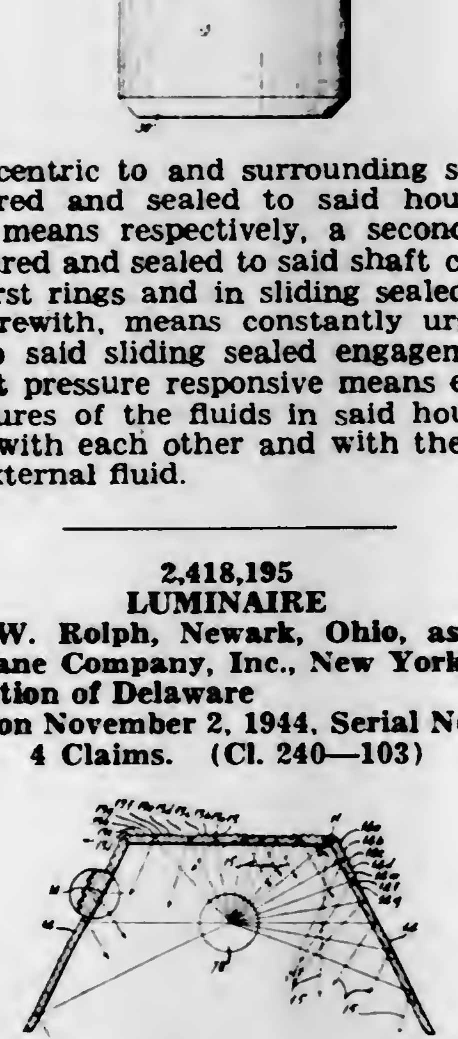


2,418,195
LUMINAIRE

Thomas W. Rolph, Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y., a corporation of Delaware

Application November 2, 1944, Serial No. 561,511

4 Claims. (Cl. 240—103)



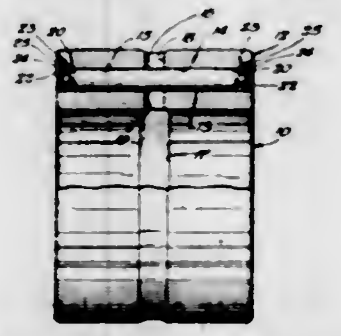
1. The combination with a horizontal rectilinear fluorescent lamp of an inverted trough-shaped reflector about said lamp for obtaining from the lamp substantially the same distribution of reflected light originating in the lamp as that obtained from an inverted trough-shaped specular reference reflector parallel with the lamp and occupying a predetermined position in space and having a smooth profile which includes downwardly and outwardly diverging sides and a cusped inwardly concave upper portion shaped to reflect high angle direct light downwardly and outwardly past the lamp, comprising flat transparent plates of generally uniform thickness parallel with the source, disposed to form an inverted trough and occupying a different position in space than the reference reflector but intercepting the same zone of direct light, the plates being externally mirrored to interiorly reflect light incident on their outer surfaces at angle less than the critical angle, one surface of each plate being smooth, the other having over at least a portion thereof, relatively narrow side by side rib forming areas tilted to the smooth surface in variant amounts such that the angles of refraction of entering rays differ from the angles of incidence of corresponding reflected rays on the emitting surface to such an extent that the emitted rays are substantially parallel to the corresponding reflected rays which the smooth profile reference reflector would have produced.

2,418,196
NEEDLE BEARING

Joseph J. Rozner, Chicago, Ill., assignor to Aetna Ball & Roller Bearing Co., Chicago, Ill., a corporation of Illinois

Application March 26, 1945, Serial No. 584,915

5 Claims. (Cl. 308—206)



1. A needle bearing comprising, in combination, inner and outer races, a series of rollers disposed in closely spaced relation between said races, and having conical end surfaces, a pair of oppositely disposed end rings secured to one of said races in spaced relation to the conical ends of said rollers, said end rings each having annular V-shaped grooves therein facing the conical ends of the rollers with the vertices of the grooves in alignment with the axes of the rollers, the included angles of the grooves being practically equal to that of the conical ends of the rollers, a series of spacer balls at each end of the rollers of a diameter less than that of the rollers, and each engaging the conical ends of adjacent rollers to maintain a predetermined spacing between the rollers, each of said balls also engaging both surfaces of one of said grooves to establish the position thereof axially of the rollers, the engaging surfaces of said balls with the conical ends of said rollers being substantially equal in area and disposed in a plane transverse to the surfaces of contact between said balls and the surfaces of said groove so that the rolling motions of said balls are such as to distribute the wear over the surfaces thereof.

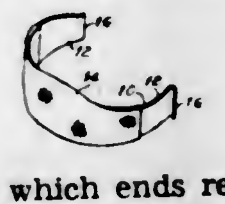
2,418,197
GARMENT PROTECTOR

Archie A. Sherer, Dayton, Ohio

Application January 8, 1943, Serial No. 471,775

2 Claims. (Cl. 2—46)

1. A protective shield for protecting the outer garments of a person from wear by a steering wheel, said protective shield including a metallic main body portion having substantially the same width as the shield, said main body portion extending across the abdomen of the person at the proper height so as to be disposed between the outer garment of the person and the steering wheel, said metallic main body portion being substantially wider at the center and tapering towards the ends, which ends resiliently engage the sides of the person so as to hold the shield in position while in use.

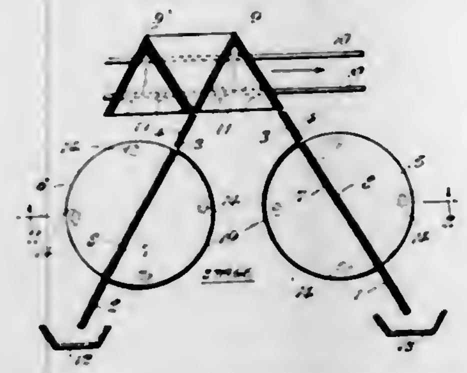


2,418,198
THEATRICAL AND ADVERTISING DISPLAY

Frederic Shipman, New York, N. Y.

Application June 25, 1945, Serial No. 601,464

7 Claims. (Cl. 272—13)



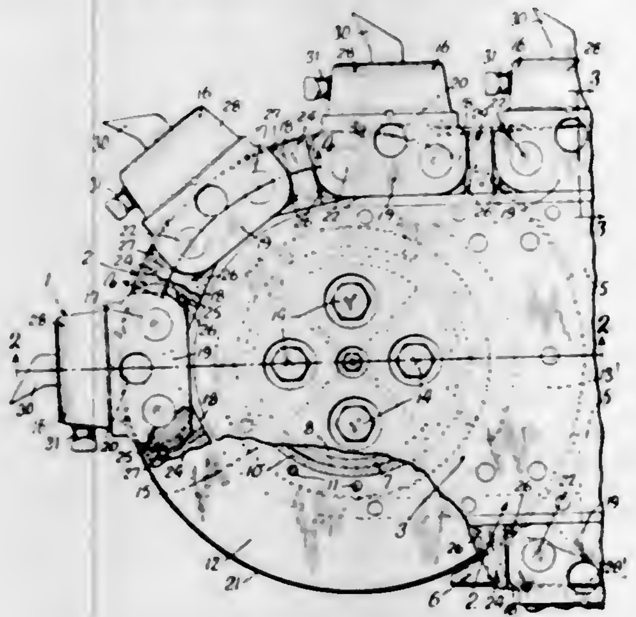
1. A theatrical or advertising display, including a pair of sheets arranged to form a V and defining a triangular stage between them, a reflecting surface on each one of said sheets on one side thereof, at least one of said sheets having an interruption intermediate its ends, a turn table within said interruption level with said stage, a tier diametrically disposed on said turn table at a right angle thereto, a reflecting surface on each side of said tier, said turn table being in operative position when one or the other of said tier reflecting surfaces is in alignment with the reflecting surface of the corresponding interrupted sheet, and means of entry onto said stage other than through said turn tables.

2,418,199
KERF CUTTING MEANS

Leon E. Simmons, Claremont, N. H., assignor to Joy Manufacturing Company, a corporation of Pennsylvania

Application October 2, 1943, Serial No. 504,660

15 Claims. (Cl. 74—250)



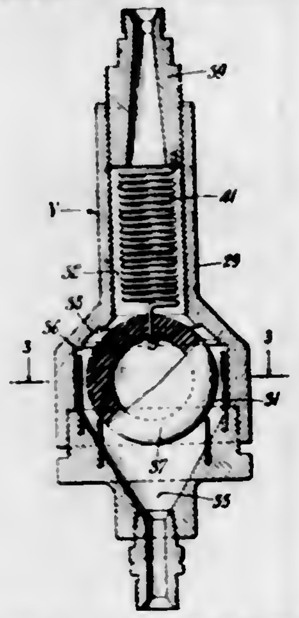
1. In a cutter chain, a series of chain blocks pivotally connected by strap links, said strap links having projecting trunnions received in transverse bores in the blocks, and means for detachably interlocking said blocks and strap links to hold said trunnions in said block bores comprising lateral projections on said strap links arranged between adjacent chain blocks between the lateral limits of the latter, said projections being arcuately slotted at their opposite sides, and said blocks having arcuate end flanges spaced inwardly from their outer sides and received in the projection-slots.

2,418,200
MINERAL WORKING APPARATUS

George H. Smith, Kenmore, N. Y., assignor to The Linde Air Products Company, a corporation of Ohio

Original application July 20, 1939, Serial No. 285,557, now Patent No. 2,286,841, dated June 16, 1942. Divided and this application June 13, 1942, Serial No. 446,952

2 Claims. (Cl. 158—27.4)



1. In combination, a blowtorch having discharging means for discharging powder-laden gas; mixing means separate from said blowtorch for mixing powdered material with a gas before such gas is supplied to said blowtorch, said mixing means having a gas inlet arranged for connection to a source of gas separate from said blowtorch, and an outlet for powder-laden gas; a single conduit constituting the sole means establishing communication between said mixing means and said blowtorch and connected to said outlet, said conduit having a vertical portion; and a device within said conduit constructed and arranged to permit substantially unrestricted flow of such powder-laden gas from within said mixing means through said conduit to the discharging means of said blowtorch but automatically operable by back pressure of gas in said conduit to close said conduit and prevent a reverse flow of gas and powder from said blowtorch into said mixing means and into said source of gas, said device including downwardly facing seat means within such vertical portion, and a valve member movable vertically within such vertical portion into contact with said seat means, so that said valve member seats upwardly against said seat means when said valve member closes said conduit.

2,418,201
SPRING-DRIVEN TOY

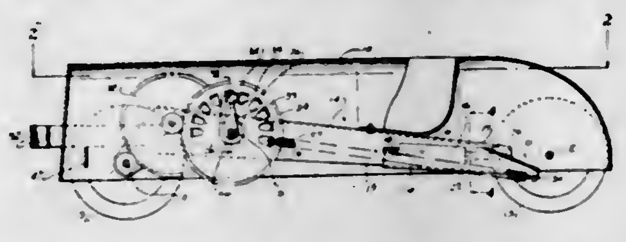
Milton R. Spencer, Woodstock, Ill.

Application March 17, 1944, Serial No. 526,913

9 Claims. (Cl. 46—206)

1. A toy comprising a body, a wheel-bearing drive axle carried by the body, a drive shaft car-

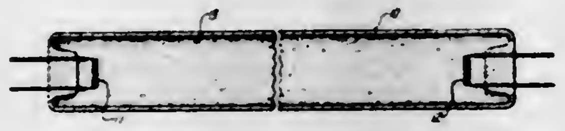
ried by the body, a gear carried by and rotatable independently of said shaft, a bumper structure carried by the shaft for rotating the latter, a drum provided by said gear, gear means operatively connecting said gear to said axle, a spring having one end connected to the body and the other end to the drum and adapted to be



placed under tension when wound upon the drum by rotation of the bumper structure, and means carried by and rotatable with the shaft and adapted to engage said gear to operatively connect the gear and said shaft whereby to rotate said gear and the drum provided thereby in a direction to wind a portion of said spring upon said drum to place said spring under tension.

2,418,202
FLUORESCENT LAMP AND METHOD OF MANUFACTURE

John E. Stanworth, Rugby, England, assignor to General Electric Company, a corporation of New York
Application April 1, 1942, Serial No. 437,289
In Great Britain July 7, 1941
1 Claim. (Cl. 176—122)



The method of increasing the useful life of a fluorescent body for an electric discharge lamp comprising a support of ordinary homogeneous glass having soda as a constituent thereof and powdered fluorescent material disposed on the surface of said support, said material being deleteriously affected by soda, which method comprises the step of annealing the glass while in contact with sulphur dioxide and air and then washing the surface of the glass support when cold so that a layer of the glass at the said surface is substantially free from soda before said material is applied thereto.

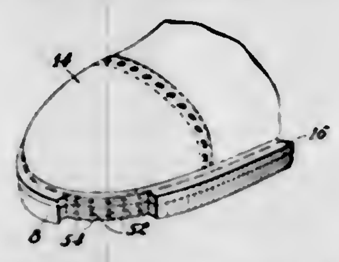
2,418,203
MANUFACTURE OF SUPERPHOSPHATE FERTILIZERS

John Stauffer, Jr., Los Angeles, Calif., assignor to Stauffer Chemical Company, a corporation of California
No Drawing. Application November 14, 1946, Serial No. 709,777
1 Claim. (Cl. 71—40)

In a conventional den process for the manufacture of finely divided superphosphate fertilizer from phosphate rock, the steps consisting of mixing together finely divided phosphate rock and a used sulphuric acid, said used acid consisting essentially of sulphuric acid having in solution a small quantity of organic carbon containing material derived from an alkylation operation wherein an iso-paraffin is alkylated with an olefin in the presence of sulphuric acid as a catalyst, placing the acidulated rock in a den, reacting the rock and acid in the den at normal den temperatures until a pulverulent mass is formed, removing said pulverulent mass from the den, and thereafter allowing the pulverulent mass to stand until it is dry, granular and free flowing.

2,418,204
SEAM AND METHOD OF MAKING THE SAME

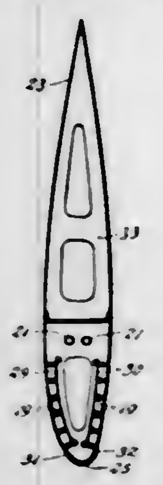
Karl A. Stritter, Nahant, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application May 26, 1943, Serial No. 488,481
11 Claims. (Cl. 36—19)



11. A shoe having an outsole of heavy stock attached by a seam comprising a continuous thread of a diameter substantially less than the thickness of said outsole stock, said thread being formed into loops extending entirely through the outsole with their bights exposed in separated relation at the surface of the outsole and comprising flexible plastic fibers having latent adhesive and cohesive properties, the loops of which thread are retained in the outsole by means of the plastic in the fibers autogenically bonded together and bonded only at the bights of the loops to the outsole to provide rigid, separated masses of plastic at said surface of the outsole only opposite from that on which the threads between the stitches lie.

2,418,205
APPARATUS FOR PREVENTING THE ACCUMULATION OF ICE

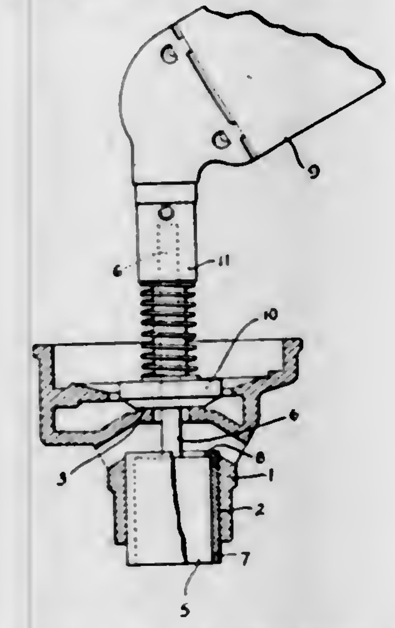
Myron L. Taylor, West Englewood, N. J., assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application November 1, 1941, Serial No. 417,500
2 Claims. (Cl. 244—134)



1. Apparatus for preventing the accumulation of ice upon a surface, said apparatus comprising, in combination, a distortable member for covering said surface comprising stretchable rubber-like material, means for distorting said member in a portion thereof, and means comprising a metallic element in association with said member adjacent said portion for heating a limited area of said surface immediately adjacent said portion, said metallic element of the heating means overlying the margin of said member.

2,418,206
WATER PUMP SEAL SURFACE GRINDING PILOT

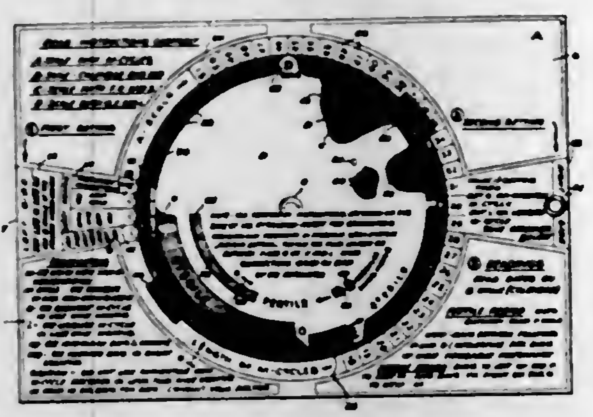
Stanley R. Thompson, Washington, Iowa
Application October 12, 1945, Serial No. 622,006
2 Claims. (Cl. 51—241)



1. A pilot member for centering and aligning a water pump seal seat grinder comprising a cylindrical body member, a stem portion extending axially from said body member, and a cylindrical sleeve fitting over said body member, said sleeve being formed with an inturned member limiting separation of said sleeve from said body member, said sleeve being adapted to fit into the bore of the water pump, whereby said stem portion will be located axially with respect to said bore and in a position adapted to guide said seat grinder.

2,418,207
RYTHMETER FOR DETERMINING STERILITY AND FERTILITY

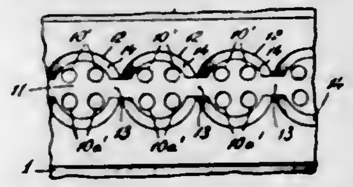
Gilmore L. Tilbrook, Washington, D. C.
Application June 9, 1945, Serial No. 598,497
3 Claims. (Cl. 40—115)



1. A device for ascertaining the fertile periods of females comprising; a base having indicia thereon, centering means on said base, three discs, lower, intermediate, and top, superimposed on said base and rotatably mounted on said centering means for manual rotation thereon, the lower disc being divided into two semi-circles each semi-circle marked in thirty-one equal segments bearing day of the month numerals, lugs extending outwardly adjacent numerals 29, 30 and 31, each lug bearing indicia indicating missing days, the intermediate disc having a plurality of spaced radial lugs bearing indicia thereon to designate fertile and sterile periods, said disc bearing in arcuate form the word "Fertile" spaced from its periphery, a sequence of numerals from 0 to 10 arranged in an arc on said disc and on the same radius, the top disc having apertures adapted to register with said numerals and said word respectively, means to prevent the rotation of the top disc beyond a predetermined point, a radial lug on said top disc to indicate the longest menstrual period, a second radial lug on said top disc twelve spaces from said longest period lug provided with indicia to designate the start of the last sterile period and a third radial lug located three spaces from the last named lug provided with indicia to indicate the pregnancy period, a radial lug on the intermediate disc two spaces to the right of the fertile period lug, and a gestation calendar pivotally attached to said base, said calendar having directions printed thereon.

2,418,208
GAS TORCH

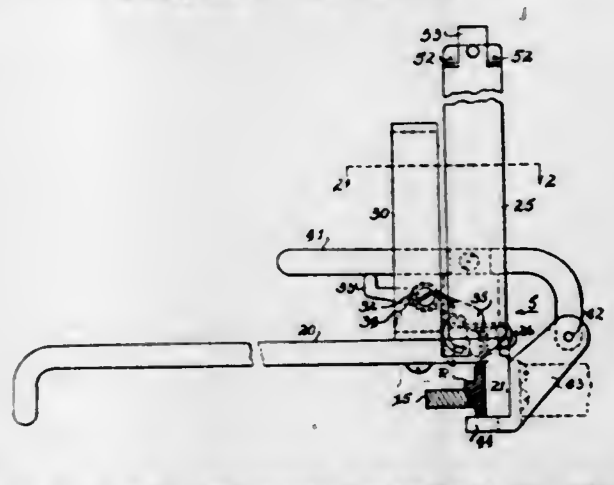
George L. Walker, Jersey City, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application November 4, 1943, Serial No. 508,924
6 Claims. (Cl. 158—27.4)



1. A gas torch having an elongated block constituting the torch tip, said block having a longitudinally-extending recess in the face thereof, said recess being defined at opposite sides by continuous walls each formed to provide a series of closely-positioned, laterally-enlarged portions in the recess, said block having gas passages so formed therein that a plurality of discharge orifices therefrom open into each of said enlarged portions in the recess, the total area of said discharge orifices in each laterally-enlarged portion being substantially less than the area of said laterally-enlarged portion.

2,418,209
TRAVELLER-APPLYING TOOL

Roger B. Watts, Nashua, N. H., assignor to Whitin Machine Works, Whitinsville, Mass., a corporation of Massachusetts
Application October 14, 1944, Serial No. 558,766
2 Claims. (Cl. 29—207)



1. A tool for applying travellers to vertical-flange type rings comprising a traveller storage, a feed lever, a spring to move said feed lever to traveller-retarding position, a hand lever effective to rock said feed lever and advance a single traveller, and a cam plate on said hand lever movable in one direction to release said advanced traveller and movable in a reverse direction to

engage said released traveller and to transmit manual pressure from said hand lever to said traveller to snap said traveller over the lower edge of said vertical flange.

2,418,210

PROCESS FOR TREATING ALKYLATION SULFURIC ACID SLUDGE

Cecil B. Wilde, Compton, Calif., assignor to Stauffer Chemical Company, a corporation of California

No Drawing. Application May 1, 1944, Serial No. 533,638

9 Claims. (Cl. 23—173)

1. A process for the treatment of a waste sulphuric acid derived from an alkylation process and containing at least 80% H_2SO_4 and a substantial quantity of hydrocarbonaceous matter comprising diluting the raw, unhydrolized, waste acid with water to an acid strength between 67% and less than 80%, raising the temperature of the diluted acid to between 305° F. and 315° F. under substantially normal atmospheric pressure to coagulate a major portion of the hydrocarbonaceous matter in the acid into a solid, porous, coke-like material of granular form, and thereafter separating the granules of coke-like material from the acid.

2,418,211

METHOD OF MAKING CELLULAR CELLULOSE DERIVATIVES

John Guilfoyle Williams, London, England, assignor to British Celanese Limited, London, England, a company of Great Britain

No Drawing. Application December 9, 1943, Serial No. 513,625. In Great Britain December 14, 1942

6 Claims. (Cl. 106—122)

1. Process for the production of a cellular material from an organic derivative of cellulose, which comprises forming an organic derivative of cellulose, selected from the group consisting of cellulose esters and cellulose ethers, into a gel containing a solvent therefor, transferring the gel to a liquid bath that is a non-solvent for the organic derivative of cellulose but is miscible with said solvent to replace the solvent with said non-solvent liquid, and then effecting evaporation of said non-solvent liquid at a temperature insufficiently high to lead to collapse of the gel-structure.

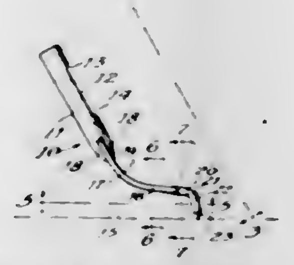
2,418,212

PHONOGRAPHIC STYLUS

Fred E. Williamson, Chicago, Ill.

Application July 3, 1943, Serial No. 493,387

2 Claims. (Cl. 274—38)



1. In a phonograph reproducing stylus for the reproduction of sound from laterally modulated record grooves cut in a flat record, an elongated body affording a substantially rigid upper shank, a torsion section and a lower arm connected in an angular relation and disposed in a plane with the axis of said shank, an integral resilient web connecting said torson section to the lower end of the shank and said web curving from the plane of said shank to a plane substantially parallel to the surface of the record and diminishing in width from a width substantially greater than the diameter of the shank to a width substantially equal to the diameter of the torsion section, and a record-engaging tip mounted on the free end of said arm.

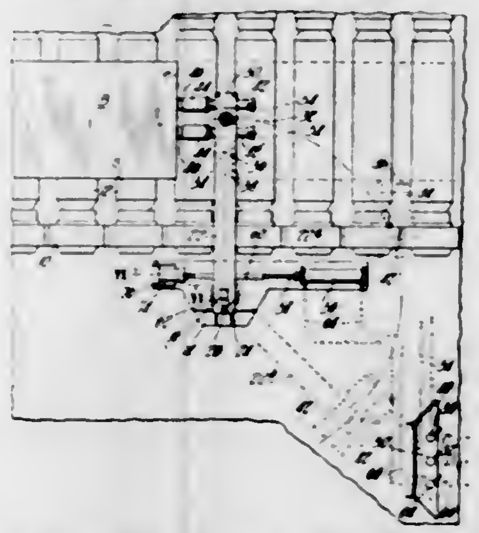
2,418,213

SLAB MARKING DEVICE

Frederick Winterkamp, Youngstown, Ohio, assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey

Application June 20, 1944, Serial No. 541,241

3 Claims. (Cl. 101—4)



1. An apparatus of the character described, comprising a support for a rectangular workpiece to be marked, an arm swingably mounted in juxtaposition to said support, a marking device carried by a holder swiveled on the arm, means on said arm limiting the swiveling motion of said holder, and means for swinging the arm to a plurality of positions with respect to said support so as to selectively position the marking device for coaction with either the end or side upright edges of the workpiece on said support.

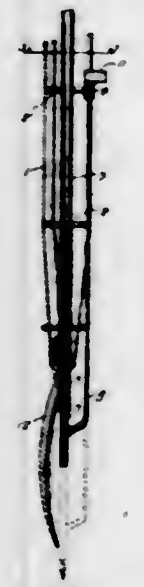
2,418,214

DENTAL WAX SPATULA WITH HEAT DISSIPATING HANDLE AND TELESCOPING FUEL SUPPLY

Henry M. Yeager and Selwyn Otis McCoy, Baltimore, Md.

Application May 13, 1946, Serial No. 669,343

5 Claims. (Cl. 32—70)



1. Dental spatula comprising a fuel tube, a plurality of wires having their ends secured to said tube adjacent its ends, spacer elements associating said wires to hold same in a substantially cylindrical relationship with said tube as an axis, a spatula associated with said tube and wires at one end, a second tube telescopically associated with the fuel tube at the spatula end and slide means connected with the second tube having a guide head slidable between two adjacent wires.

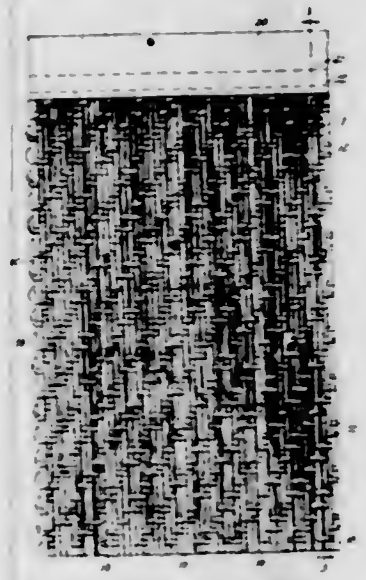
2,418,215

WOVEN FIBRE RUG

Ernest E. Lambert, Springfield, Mass., assignor to Patchogue-Plymouth Mills Corporation, New York, N. Y., a corporation of New York

Application January 4, 1946, Serial No. 639,070

11 Claims. (Cl. 139—420)



1. A reversible woven rug fabric comprising paper-fibre threads, certain of said threads being fabricated out of distinctively colored complementary paper ribbons twisted to sub-divide the resulting thread into substantial lengths having the distinctive color of but one of said paper ribbons alternating with other substantial lengths having the distinctive color of said complementary paper ribbon, said ribbons as thus twisted forming a variegated thread, the said variegated threads being arranged side by side and woven in the same direction in the rug fabric, said threads being arranged with their adjoining lengths overlapping according to the color of the paper ribbon exposed in the length of thread to form overlapping bands having the color of only one of the said paper ribbons alternating with and overlapped by other bands having the color of the said complementary ribbon, and each of said bands varying in width in accordance with the distinctive changes in color of said distinctively colored lengths.

2,418,216

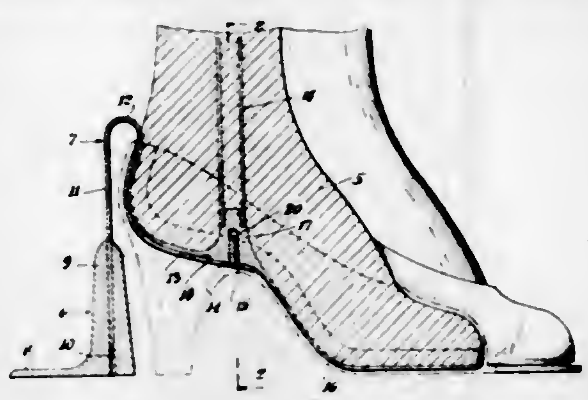
MANNIKIN SUPPORT

Ralph Adler, Port Chester, N. Y., assignor to Mary Brosnan, Inc., New York, N. Y., a corporation of New York

Application November 21, 1945, Serial No. 630,101

5 Claims. (Cl. 223—120)

3. The combination with a mannikin simulating a human figure and having a foot portion of a reenforcing plate on the under surface of the foot portion and provided with a plug extending upwardly into the foot portion, said plate and plug having an opening therein and a support for the mannikin consisting of a base member and a coupling member connected adjacent one end to the base member and at the other end having means extending into the opening in the reenforcing plate and plug for connecting it to the foot portion of the mannikin.



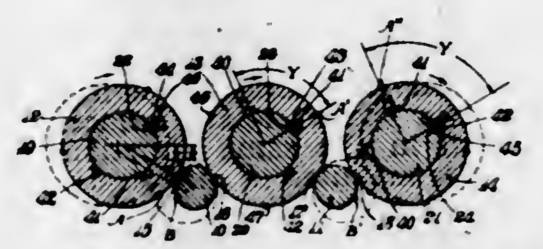
2,418,217

THREAD ROLLING

James W. Batchelder, Alstead, N. H., assignor to Jones & Lamson Machine Company, Springfield, Vt., a corporation of Vermont

Application February 23, 1944, Serial No. 523,549

14 Claims. (Cl. 80—6)



1. A circular thread rolling die adapted to be interchangeably applied to the spindles of an incommensurable angle thread rolling machine, said die having a spindle receiving bore therethrough and at least one thread start on its threaded periphery, said bore having a plurality of keyways positioned therein in predetermined angular relations to a thread start, whereby said die may be interchangeably keyed to each one of said spindles in a predetermined angular relation to said thread start to assure proper phasing of the dies on the machine.

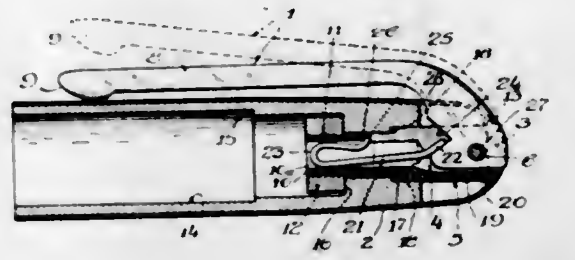
2,418,218

CLIP CONSTRUCTION

Hans A. Bauer, Prairie View, and Frank C. Deli and Joseph T. Krajniak, Chicago, Ill., assignors to Autopoint Company, Chicago, Ill., a corporation of Illinois

Application July 5, 1945, Serial No. 603,340

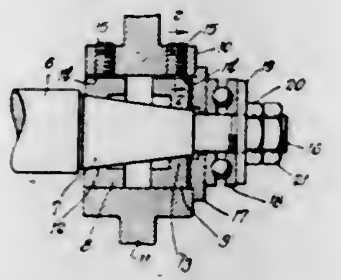
9 Claims. (Cl. 24—11)



3. A clip assembly for the cap of a pencil, pen and the like, comprising a tubular yoke mounted in the outer end of the cap, said yoke and cap having aligned slots in one side only extending longitudinally of and to the outer end of the yoke and cap, a clip having a curved rise at one end normally urged against the body of the cap

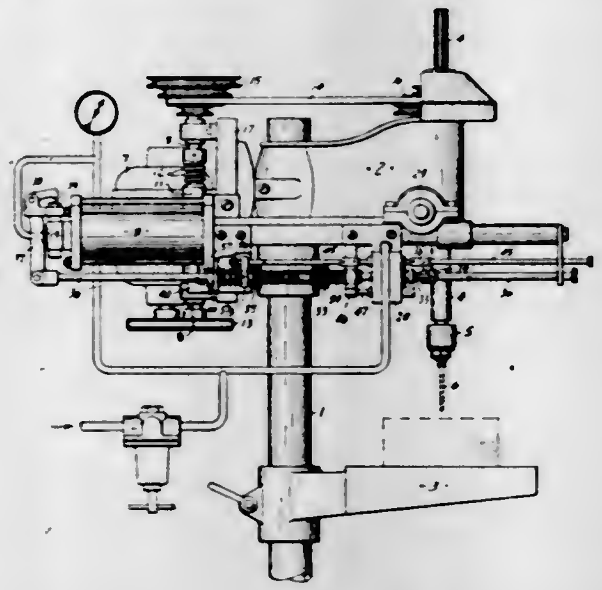
for retaining the cap upon an article of clothing or other support and an enlarged part at the other end mounted within the aligned slots and fulcrumed in the yoke, the enlarged part having a rear face adapted to abut against a wall of the yoke at the rear of its slot when the curved rise has been moved a predetermined amount from the cap, and tension means for returning the clip to its normal position with the curved rise in contact with the cap.

2,418,219
BEARING STRUCTURE
Fred M. Bley, Glenview, Ill.
Application June 28, 1945, Serial No. 602,028
9 Claims. (Cl. 308—70)



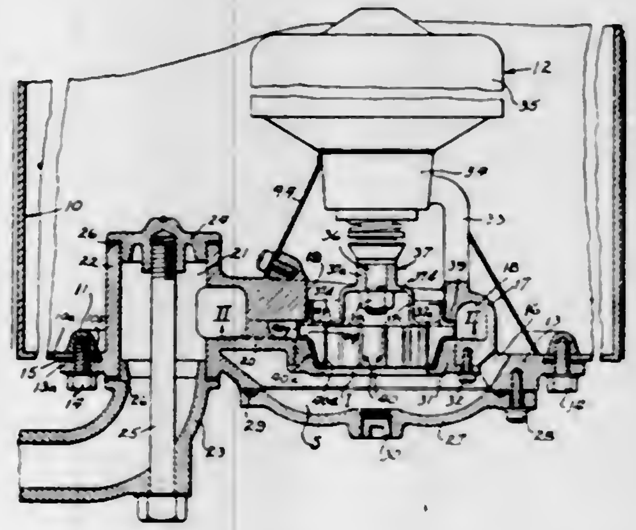
1. In a bearing structure of the character described, a mounting sleeve, a spindle having a bearing portion extending through said sleeve presenting two spaced apart adjacent bearing areas tapered in the same direction, and two bearing collars mounted in said sleeve independently adjustable lengthwise thereof having bearing surfaces respectively tapered the same as and in bearing contact with said bearing areas.

2,418,220
CONTROL MECHANISM FOR DRILLING MACHINES
Ivan F. Churchill, Fayetteville, N. Y.
Application April 14, 1945, Serial No. 588,345
4 Claims. (Cl. 77—32)



1. In a control for drill presses having a drill spindle, power operated mechanism for rotating the drill spindle, feeding mechanism for the drill spindle including a reversible cylinder and piston motor, a reversing control valve therefor having biasing means to shift it into position to cause the piston to move in one direction to withdraw the spindle, and a manual operating member for controlling the operation of the control valve against the biasing means to cause the feeding in of the spindle; the combination of a self-resetting overload clutch included in said spindle rotating mechanism, a latch operable to hold the reversing control valve in its position occupied when the drill spindle is being fed into the work, means operated by the shifting out of the overload clutch to release the latch, and means operated by the feeding-in mechanism for tripping the latch when the drill has bored to a predetermined depth, thereby permitting the reverse control valve to return to starting position under the influence of its biasing means and return the manual to its initial starting position.

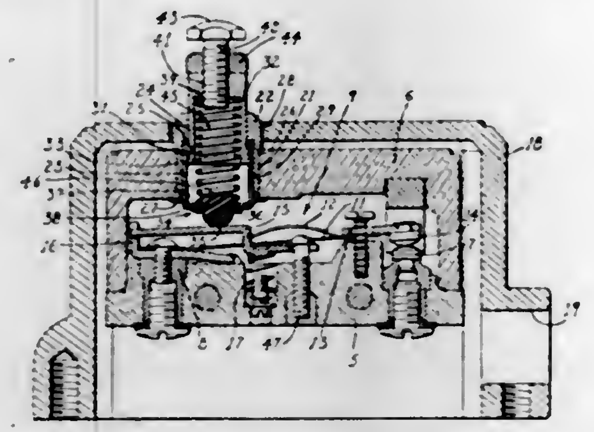
2,418,221
LIQUID AND VAPOR SEPARATING PUMP
Russell R. Curtis, Dayton, Ohio, assignor to Curtis Pump Company, Dayton, Ohio, a corporation of Ohio
Application October 30, 1944, Serial No. 560,940
18 Claims. (Cl. 103—113)



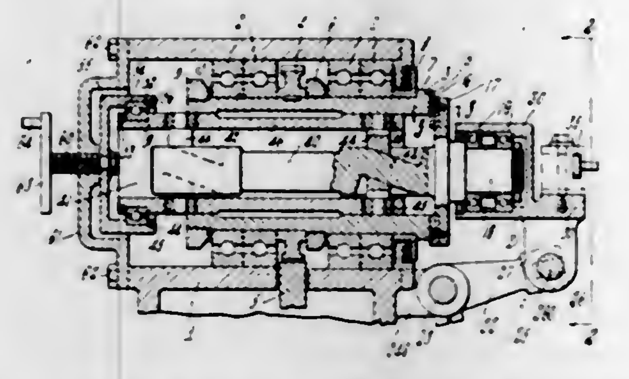
1. A submerged type pump and motor unit for separating gases from liquids which comprises a mounting base, a pump casing carried by said base having a central inlet and annular pumping chamber, an upstanding open ended hollow boss on said base communicating with said pumping chamber and defining an outlet passageway for the pump adapted to discharge out of either end thereof, a cover plate on said base cooperating therewith to define a sump below the pump inlet, a motor unit mounted on said pump casing in spaced relation therefrom, said motor unit having a shaft depending into the pump casing, a pump impeller secured on said shaft and having a ring of circumferentially spaced pumping blades defining pumping channels connecting the central inlet with the annular pumping chamber, and each of said pumping blades having a passageway therethrough venting the inner edge thereof with the outside of the pump.

2,418,222
OVERTRAVEL SWITCH ACTUATOR
Norman C. Fetter, Freeport, Ill., assignor, by mesne assignments, to First Industrial Corporation, Wilmington, Del., a corporation of Delaware
Application February 5, 1943, Serial No. 474,804
6 Claims. (Cl. 200—159)

1. The combination in an electric switch construction having a housing and a switch contact mechanism therein of an overtravel switch actuator comprising in combination two tubes disposed in telescoping assembly, one of said tubes sliding within the other for extending and contracting the assembly, stops at one end of each of said tubes for limiting the extension of said assembly, a button of insulating material secured in the other end of the larger of said tubes and adapted to bear against said switch contact mechanism to operate the same, an internal shoulder at the other end of the smaller of said tubes, a coil compression spring in said tubes bearing against said internal shoulder and against said insulating button to maintain said assembly in extended position, and a bearing disposed in a wall of said housing for reciprocally supporting said assembly, said bearing having separate bearing surfaces to fit each of said tubes for sliding movement of the assembly to actuate said switch contact mechanism.



2,418,223
WORK SUPPORTING AND MOVING MECHANISM
Ralph E. Flanders, Springfield, Vt., assignor to Jones & Lamson Machine Company, Springfield, Vt., a corporation of Vermont
Application August 4, 1944, Serial No. 548,119
4 Claims. (Cl. 51—217)

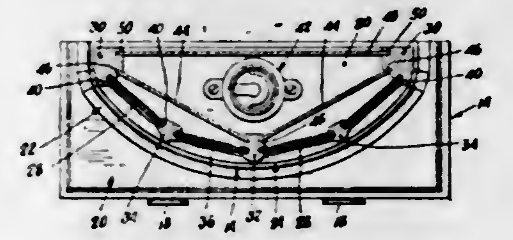


1. In combination, a rotary spindle, means for rotating said spindle, a work holder, a face plate having a journal portion, means supporting said face plate at one end of said spindle with capability of adjustment laterally of said spindle and for rotation therewith to produce rotation of said journal portion about the axis of said spindle which by lateral adjustment of said face plate is more or less eccentric to the axis of said journal portion, means for adjusting said face plate laterally of said spindle, said work holder having a journal portion mating said face plate journal portion, and a pivotally supported arm pivotally and slidably connected to said work holder preventing the rotation of said work holder with said spindle while providing for gyratory motion of said holder with eccentric rotation of said face plate journal portion.

2,418,224
CELLULOSE ACETATE PLASTICIZED WITH AN ARYL MORPHOLIDOPHOSPHATE
Louis W. Georges, New Orleans, La., assignor to the United States of America, as represented by Claude R. Wickard, Secretary of Agriculture, and his successors in office
No Drawing. Application September 23, 1944, Serial No. 555,570
3 Claims. (Cl. 106—176)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

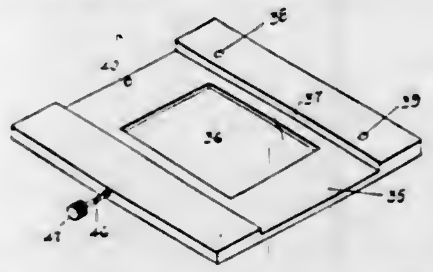
1. A film-forming composition of matter comprising as its essential film-forming ingredient cellulose acetate and, as a plasticizer therefor, an aryl ester of a compound selected from the group consisting of mono-morpholido and di-morpholido phosphoric acids.

2,418,225
DEVICE FOR ILLUMINATING AND EXHIBITING TRANSPARENCIES
Joseph Gross and Alex Gross, Brooklyn, N. Y.
Application November 8, 1944, Serial No. 562,488
3 Claims. (Cl. 40—132)



1. A device for displaying a plurality of transparencies, comprising a molded one-piece member shaped to define a chamber and having a plurality of individual front openings, said member having a plurality of opposed grooves formed therein to receive marginal edge portions of the transparencies for the mounting thereof in positions back of and adjacent to said openings, respectively, said member also having opposed grooves back of said first mentioned grooves to receive marginal edge portions of a light-diffusion screen for mounting the same back of the transparencies, said chamber providing a space back of the screen to receive means for illuminating the transparencies.

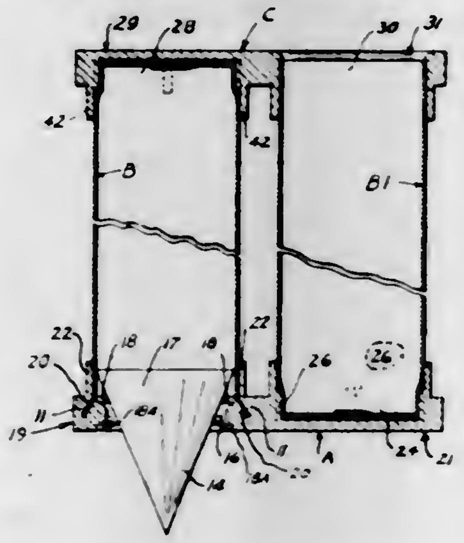
2,418,226
REGISTERING FRAME AND NEGATIVE CARRIER FOR ENLARGING
Richard M. Haff, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Application July 18, 1944, Serial No. 545,447
7 Claims. (Cl. 88—24)



1. A negative retaining and positioning means for photographic enlargers including in combination, a negative holder and an adapter, said adapter having a positioning shoulder at one side of a central opening through which light may be projected through a negative, a positioning screw at the opposite side of said adapter having a

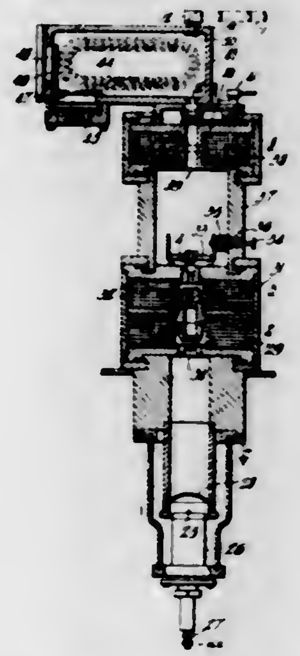
conically shaped point, said holder being constructed of two hinged plates, one of which is provided with positioning means for the negative and with an edge engageable by the shoulder on the adapter and a notch within which the point of the positioning screw may engage.

2,418,227
CUP CONTAINER, DISPENSER-DISPOSER
Howard B. Hait, Philadelphia, Pa.
Application September 16, 1943, Serial No. 502,690
2 Claims. (Cl. 312—43)



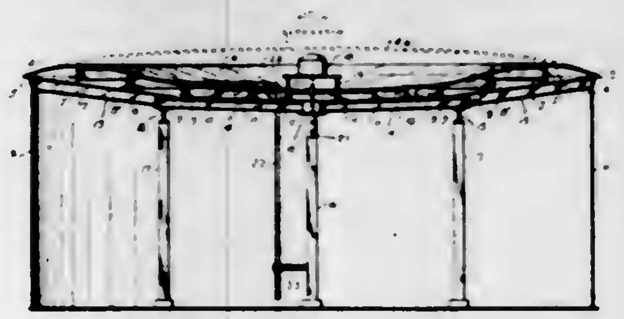
1. A dispenser for disposable paper cups comprising a bottom capping member having an opening through which the cups are drawn, an original cardboard carton supported on said bottom capping member, cups in said carton, outturned flaps on the lower edges of said carton for holding the carton to said capping member, and means on said capping member for holding the carton, said means including a plurality of inclined slots in said capping member, said slots receiving said outturned flaps of said carton.

2,418,228
ELECTRONIC MICROANALYZER
James Hillier, Cranbury, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 8, 1943, Serial No. 505,572
22 Claims. (Cl. 250—49.5)



1. An electron microanalyzer including means for providing an electron probe having extremely minute cross-sectional area, means for supporting an object, means for irradiating said object by said electron probe to derive electrons having velocities proportional to the specific absorption of energy due to inelastic collisions between said irradiating electrons and electrons of the inner atomic orbits of said specimen, an electron sensitive screen responsive to said electrons from said object, and means interposed between said screen and said object means providing a field for deflecting said electrons derived from said object as a function of their velocity to provide an image on said screen characteristic in shape of the velocity distribution of said electrons impinging thereon.

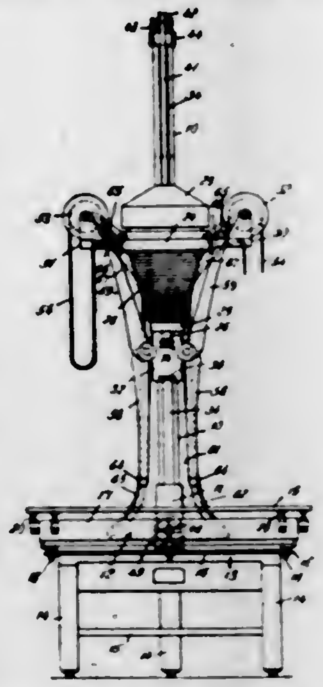
2,418,229
VAPOR CONSERVING TANK
James O. Jackson, Crafton, Pa., assignor to Pittsburgh-Des Moines Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application January 31, 1942, Serial No. 429,050
6 Claims. (Cl. 220—85)



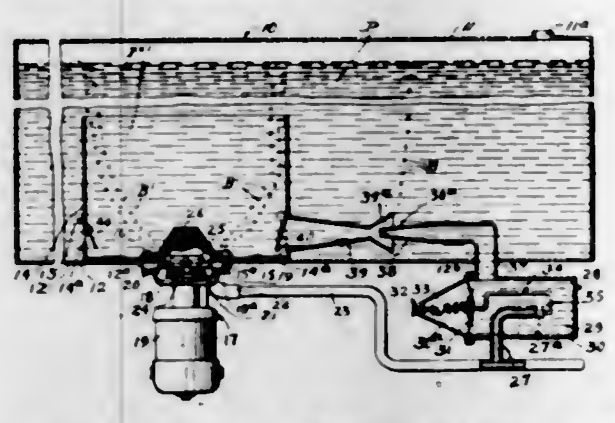
1. In combination, a tank for volatile liquids and the like, an expansible sheet metal roof attached thereto about its periphery, and annular means for supporting said expansible roof in its lowermost or unexpanded position while maintaining an outer circular zone of said roof for an appreciable distance inside its outer periphery at a height to prevent appreciable angular change between said roof and tank at their line of attachment to each other, said supporting means being adjacent to and spaced radially inwardly from the periphery of the roof intermediate the axis of the tank and its periphery and extending above said periphery to permit the central portion of the roof to be dished to present a convex surface toward the interior of the tank when the roof is deflated.

2,418,230
AUTOMATICALLY FOCUSSED PROJECTION PRINTER
Carl H. Jacobson, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Application April 13, 1944, Serial No. 530,833
10 Claims. (Cl. 88—24)

1. A projection printer having in combination, a lamp house, a negative holder, a lens and a projection board, independent supports, one for said lamp house and negative holder, one for the lens and one for the projection board, and a frame member along which at least two of the said supports are relatively movable for varying the scale of enlargement and for focusing the lens, cam means on at least one of said members having a cam surface for imparting part only of a movement necessary for focusing, a second cam means attached to another of said members and having a cam surface for imparting the remainder of that movement necessary to maintain the lens in focus as the scale of enlargement is varied, and interconnecting means between the first and second mentioned cam means and operable from the first and upon the second for imparting focusing movements in accordance with changes in scale of enlargement, and in such a manner that said movements are the sum of the motion imparted by each cam.



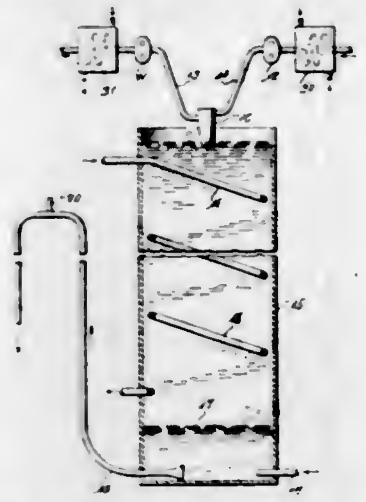
2,418,231
BOOSTER PUMP AND TANK ASSEMBLY
Ewald J. Kimm and Bernard R. Bellmann, Dayton, Ohio, assignors to Curtis Pump Company, Dayton, Ohio, a corporation of Ohio
Application January 24, 1944, Serial No. 519,420
14 Claims. (Cl. 103—113)



1. In combination, a first container, a second container within the first container, a pump communicating with the second container to pump material therefrom, a device in said second container associated with said pump for flowing bubbles of gas and vapor away from the pump, a vent for bleeding gases and vapors out of the containers, an eductor communicating with the first container and discharging into the second container, and a nozzle for said eductor communicating with the discharge side of said pump to receive pressurized material therefrom for drawing material from the first container into the second container.

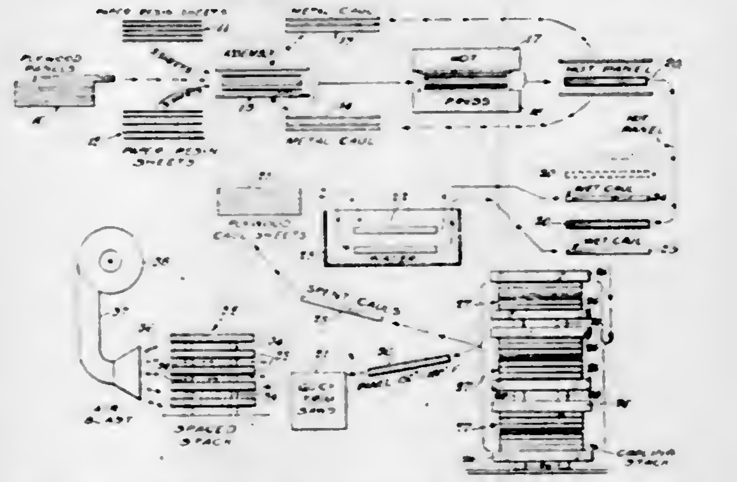
12. The method of delivering fuel to a fuel line for preventing vapor lock in the line which comprises educting fuel from a pond into a small chamber, treating the fuel in the small chamber to release bubbles of gases and vapors therefrom, flowing the bubbles from the small chamber into the pond, venting gases and vapors out of the pond, pumping treated fuel from the chamber into a fuel line, and bleeding fuel from the line to effect said educting.

2,418,232
PROCESS OF PREPARING AN INORGANIC OXIDE GEL
Milton M. Marisic, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application May 11, 1944, Serial No. 535,102
13 Claims. (Cl. 252—317)



1. A process for forming spheroidal hydrogel globules containing water-insoluble inorganic oxides and substantially free of precipitate which comprises cooling two aqueous solutions capable of forming a gelable sol to temperatures between about 35° F. and about 50° F., mixing said solutions while maintaining the temperature thereof in said range, injecting the so-formed sol into a body of a water-immiscible liquid maintained at a temperature substantially above 50° F. but below the boiling point of said sol, whereby said sol is caused to separate into a plurality of globules and is heated to decrease the gelation time thereof, and retaining said globules in said liquid until they set to firm hydrogel.

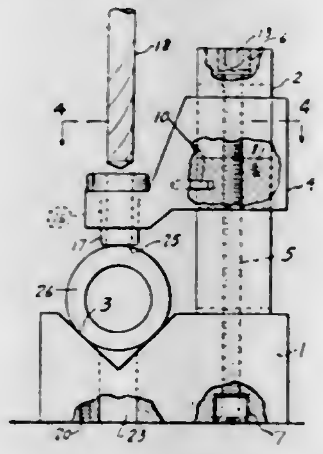
2,418,233
PRODUCTION OF PLYWOOD PRODUCTS
Harold W. McClary, Olympia, Wash., assignor to Washington Veneer Company, Olympia, Wash., a corporation of Washington
Application April 19, 1945, Serial No. 589,135
21 Claims. (Cl. 154—133)



21. The method of rehumidifying a hot dehumidified layer of wood veneer which comprises placing said layer in facial contact with solid cooling means containing a releasable excess of water capable of transfer at least in part as vapor from said solid means to said veneer, cooling the layer to a temperature in the range from 150° to 180° F. for a time effecting such transfer until the layer has at least that content of moisture corresponding to the amount which is in equilibrium with normal atmospheric humidity at nor-

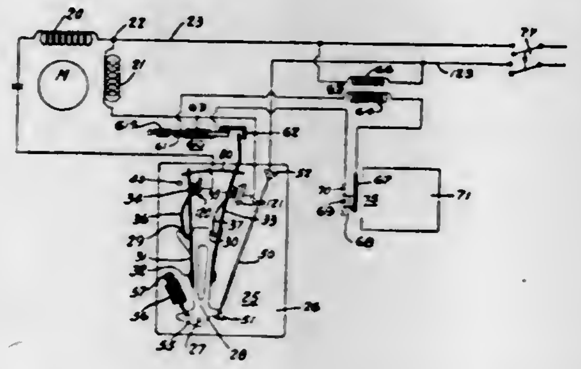
mal atmospheric temperature when the layer is at normal temperature, and continuing to cool said layer to normal temperature and maintaining the moisture content of the layer not below the said amount.

2,418,234
DRILL JIG
Frank McCullough, Detroit, Mich.
Application October 9, 1944, Serial No. 557,799
3 Claims. (Cl. 77—62)



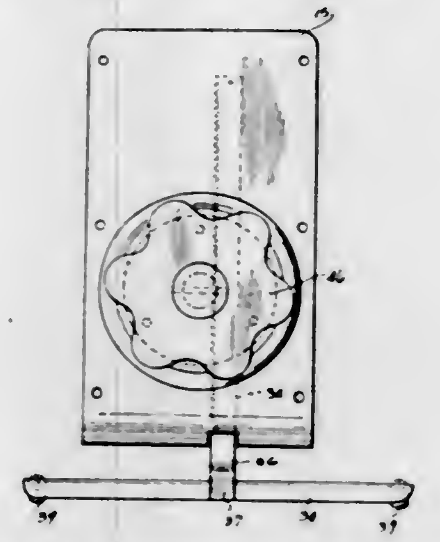
1. A drill jig comprising a jaw having a seat for the work to be drilled, a post, a second jaw slidable along said post, a screw journalled in said post, a nut slidable in said post having a threaded engagement with said screw, and a shearable driving connection between the nut and the movable jaw whereby when the fixture is overloaded the connection will shear and thereby avoid injury to the fixture or work.

2,418,235
ELECTRIC MOTOR CONTROL
William E. Menzies, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 10, 1943, Serial No. 494,196
5 Claims. (Cl. 172—279)



1. Control apparatus for an electric motor having starting and running windings adapted to be connected to a source of electrical energy; a switch having cooperating contacts in circuit with said motor windings; a thermo-electric element for effecting operation of the switch to open or close said contacts in accordance with the current flow through said element; electromagnetic means yieldably urged to engage one of said contacts and hold it separated from its cooperating contact regardless of the effect of the thermo-electric element; and a thermal switch in circuit with the electromagnetic means and responsive to a predetermined temperature ambient to said thermal switch for effecting energization of the electromagnetic means to release the contact normally engaged by said means.

2,418,236
FOOT ADJUSTMENT FOR CABINETS
Bernard Schramka, Chicago, Ill., assignor to De Vry Corporation, Chicago, Ill., a corporation of Illinois
Application December 7, 1945, Serial No. 633,499
2 Claims. (Cl. 45—139)



1. A foot for a cabinet or the like comprising a mounting member adapted for connection to a wall of the cabinet, a brake housing secured to said member, a brake band in said housing and adapted for braking engagement with a wall thereof, means arranged in the housing for contracting said brake band from braking engagement with said housing wall, a foot, and rack and pinion connection between said foot and an element of said contracting means, said contracting means comprising a coupling rotatably carried by the housing and said coupling comprising a shaft and a coupling sleeve, a release disc on the shaft and arranged in the housing and provided with a shoulder in the path of rotation of said coupling sleeve in one direction, means connecting one end portion of the brake band to said disc, the opposite end portion of said brake band having a hook formation, and means on said sleeve for alternately engaging said shoulder and said hook formation.

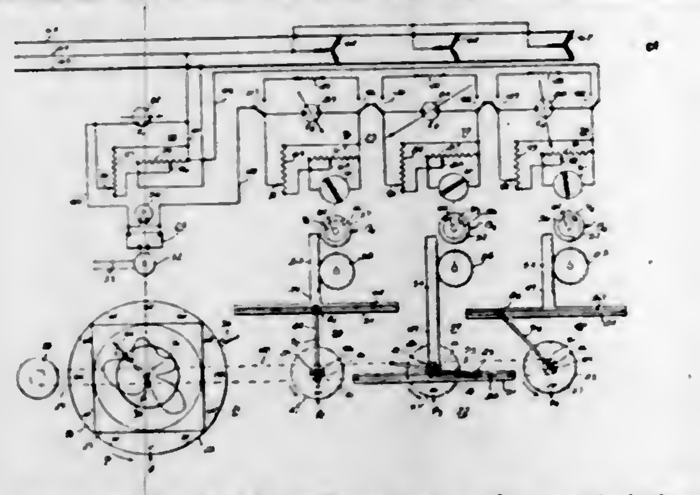
2,418,237
PROCESS FOR PREPARATION OF 2,2-DIALKYL-1,3-PROPANEDIAMINES
Murray Senkus, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application June 12, 1944, Serial No. 540,003
11 Claims. (Cl. 260—583)

1. A process for preparing 2,2-dialkyl-1,3-propane diamines which comprises subjecting a 1,3-dinitro-2,2-dialkyl propane to catalytic hydrogenation in the presence of an acid consisting of a saturated lower fatty acid.

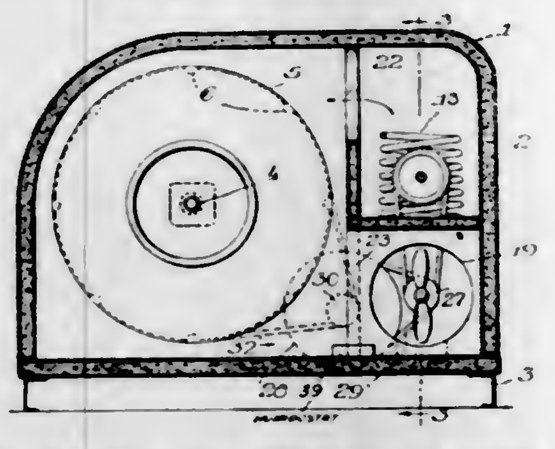
2,418,238
ELECTROMECHANICAL CALCULATOR
Carl E. Smith, Arlington, Va.
Application October 29, 1942, Serial No. 463,846
8 Claims. (Cl. 235—61)

1. An electro-mechanical antenna array pattern calculator, including a plurality of similar units and a reference unit, each of said similar units containing two means, one for generating a variable voltage and one for adjusting said voltage, said generating means including a rotative phase shifting element, and said adjusting

means including mechanism for rotating the phase shifting element in accordance with an adjustable cosine movement, a series electrical connection between the generating units and the reference unit, said reference unit containing means responsive to the sum of the generated voltages for indicating the magnitude and direction thereof.

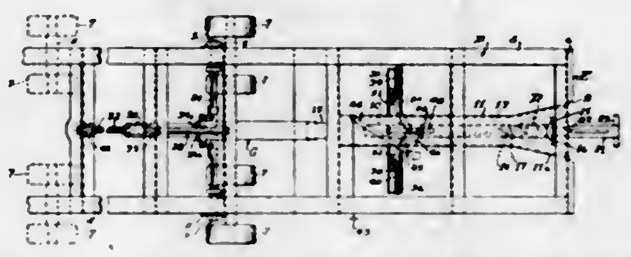


2,418,239
DRUM CLOTHES DRIER INCLUDING MEANS FOR CIRCULATING THE DRYING GAS OVER THE EVAPORATOR AND CONDENSER COILS OF A REFRIGERATING DEVICE
Thomas R. Smith, Newton, Iowa, assignor to The Maytag Company, Newton, Iowa, a corporation of Delaware
Application June 10, 1942, Serial No. 446,438
1 Claim. (Cl. 34—77)



A compact and self-contained clothes drying unit comprising an enclosure completely insulated from the outside atmosphere, partitions in the enclosure for dividing it into separate compartments, a perforated container rotatably mounted within one of the compartments for receiving laundry to be dried, a refrigerating unit including a compressor, a condensing coil, an expansion valve and expansion coil, with the compressor, condensing coil and expansion coil disposed in separate compartments, conduits connecting the compressor with the condensing coil, expansion valve and expansion coil in sequence and back to the compressor to provide a continuous circuit for circulating refrigerant in the unit, an opening in the partition between the container compartment and expansion coil compartment, an opening in the partition between the expansion coil compartment and condensing coil compartment, and an opening in the partition between the condensing coil compartment and the container compartment, a circulating fan and a motor within the enclosure for operating the fan and compressor disposed between the expansion coil and the condensing coil for circulating air in the unit in a closed cycle by drawing moisture laden air from the container compartment over the expansion coil and thereby continuously cooling this moisture-laden air and condensing out the moisture content, blowing this cooled air over the motor and condensing coil for heating the air and passing this heated air to and through the perforated container and back to the expansion coil in a continuous closed cycle until the laundry has been sufficiently dried.

2,418,240
FULL AUTOMATIC LANDING LEGS FOR SEMITRAILERS
Ralph W. Starr, Napa, Calif.
Application May 8, 1945, Serial No. 592,551
10 Claims. (Cl. 280—33.1)

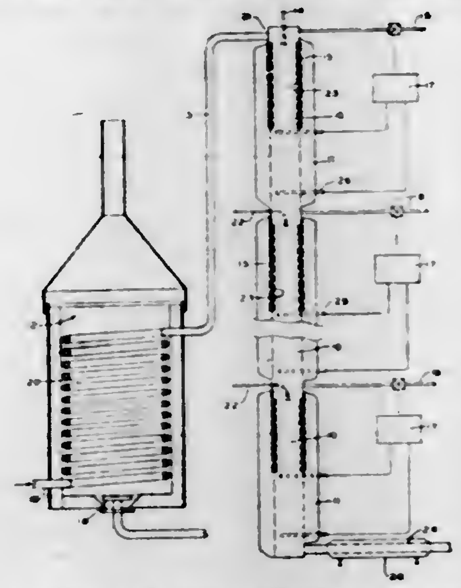


1. A device of the type described comprising a king-pin carrying member movable between two extreme positions, a landing leg actuating member operated by the first-named member to move a pair of landing legs into operative position when the first-named member is at its forward extreme position and to move the legs into inoperative position when the first-named member is at its rearward extreme position, said king-pin carrying member having a tooth, a pair of locking dogs movable in front of the king-pin carrying member when said king-pin member is in retracted position for holding said king-pin member against accidental forward movement and manually actuated means for freeing the dogs from the king-pin member for permitting forward movement of the king-pin member, one of said dogs being engageable with the tooth when the king-pin member is in its forward position, whereby the dog will hold the king-pin member against accidental retraction.

2,418,241
PROCESS FOR VAPOR PHASE NITRATION OF ALKANES
Leonard A. Stengel and Richard S. Egly, Terre Haute, Ind., assignors to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
Application July 22, 1944, Serial No. 546,186
13 Claims. (Cl. 260—644)

1. A continuous process of manufacturing lower nitroalkanes which comprises heating a low-molecular alkane to a temperature within the range of about 390° to 440° C., continuously passing the heated alkane in vapor form into one end of an elongated reaction zone, introducing concentrated liquid nitric acid in a finely divided state into said reaction zone in contact with the heated alkane and in amount sufficient to cool said alkane below its preheated temperature but not below 390° C., said concentrated nitric acid containing sufficient water to raise its heat of vaporization under the conditions of the process to the point at which said heat substantially balances the heat of the nitration reaction, whereby an exothermic reaction takes place tending temporarily to heat the reaction mixture above said temperature range as said mixture passes along said reaction zone, then

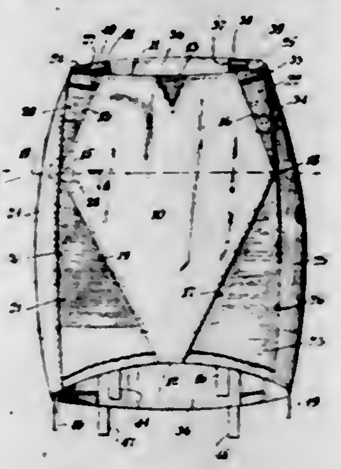
before said temperature range has been exceeded contacting the reaction mixture with additional finely-divided nitric acid of said concentration to again cool said mixture, and continuing said



procedure until the successive additions of nitric acid have raised the over-all ratio of nitric acid to alkane to within the range of about 1:3 to 1:6, and withdrawing the resulting reaction products from the opposite end of said reaction zone.

2,418,242
GIRDLE

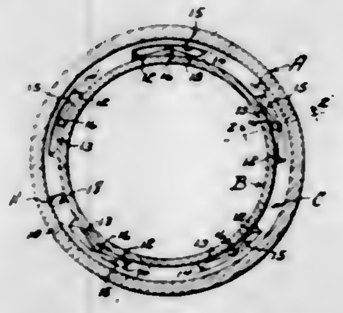
Marguerite R. Williams, New York, N. Y., assignor to Lily of France Corset Company, Inc., New York, N. Y., a corporation of New York
Application January 17, 1945, Serial No. 573,159
2 Claims. (Cl. 2—43)



1. A girdle comprising a tubular garment for encircling the body of a wearer from an upper waistline edge to below the hips, said tubular garment including a central front panel of horizontally inextensible material with its greatest dimension extending longitudinally from the upper edge of the garment to the lower edge of the garment and having opposite side edges converging upwardly to the upper edge of the panel and downwardly to the lower edge of the panel and thereby locating the greatest horizontal dimension of the front panel in line with the hip bones of a wearer, longitudinally extending side sections of horizontally inextensible material, said side sections being attached to said opposite side edges of said front panel, one at each side, only at the extremities of said greatest horizontal dimension of said front panel, horizontally extensible pieces of material attached to said front panel along its converging opposite side edges and to said side sections along their longitudinally extending front edges, there being one of said pieces of material extending in one-piece from the upper to the lower edge of the garment at each side of said front panel and thereby providing upper and lower horizontally extensible tapering areas adjacent the converging side edges of said front panel with progressively increasing extensibility laterally of the front of the garment upwardly and downwardly from the greatest horizontal dimension of the front panel, a rear section having its side edges attached to the rear edges of said side sections to complete the tubular garment, and an opening part way along one seam of said garment and means for closing said opening.

2,418,243
PISTON RING

Paul Matthew Adamson, Detroit, Mich.
Application December 18, 1944, Serial No. 568,701
2 Claims. (Cl. 309—41)

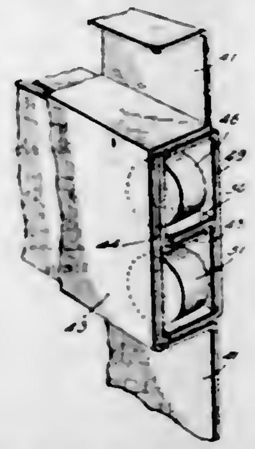


1. A piston ring of the kind described, comprising a ring-like split body having a plurality of elongated pockets opening through the inner periphery thereof, substantially bow shaped leaf springs confined within the pockets with its ends making contact with the flooring of the latter, and rocker means welded to the spring midway of the spring at the inner surface of said bow for piston contact.

2,418,244
DRAWER GUIDING MEANS

William McKinley Baird, Chicago, Ill.
Original application March 22, 1944, Serial No. 527,581. Divided and this application August 7, 1944, Serial No. 548,454
2 Claims. (Cl. 45—77)

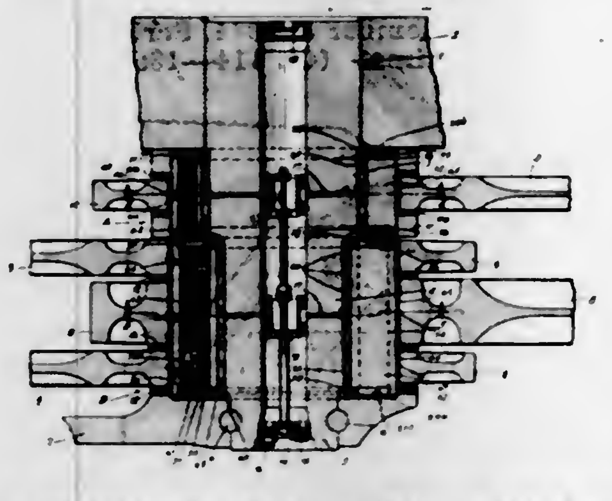
1. Drawer guiding means comprising a drawer, a channel member in a side wall of the drawer having a base, an upper leg, and a lower leg, a stiffener attached to the base and extending from the upper leg to the lower leg of said drawer channel member, a drawer angle member having an upper leg attached to and parallel with said stiffener, with its upper end contacting the upper leg of said drawer channel member and its lower leg extending inwardly from a line adjacent the middle of said stiffener, a drawer roller rotatably attached to the upper leg of said drawer angle member and said stiffener, a roller guide channel member having a base spaced from and extending parallel with the base of said drawer channel member, a top leg and a bottom leg, both extending toward the base of said drawer channel member and within and parallel to the corresponding upper and lower legs of said drawer channel member, a roller guide angle member having a lower leg attached to and parallel with the base of said roller guide channel member, with its lower end contacting the lower leg of said roller guide channel member, and its upper leg extending inwardly from adjacent the center of the base of said roller guide channel member, said upper leg being positioned above and parallel to the lower leg of said drawer angle member and extending to contact the upper leg of said drawer angle member, the inner end of the lower leg of said drawer angle member contacting the lower leg of said roller guide angle member, a stationary roller rotatably attached to the lower leg of said roller guide angle member, said drawer roller being adapted to travel with the drawer as it is moved and to ride on



the under surface of the top leg of said roller guide channel member, or on the upper surface of the upper leg of said roller guide angle member, and the under surface of the lower leg of said drawer angle member being adapted to ride on said stationary roller.

2,418,245
CRANK PIN BEARING

Tracy V. Buckwalter, Massillon, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application November 26, 1943, Serial No. 511,796
14 Claims. (Cl. 308—121)

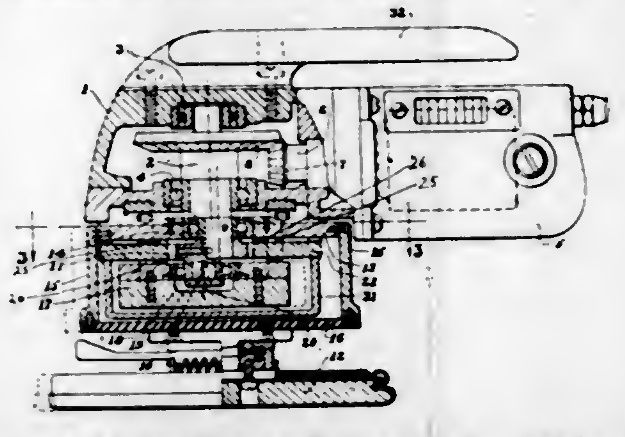


1. A locomotive crank pin bearing construction comprising a crank pin, an inner floating bushing mounted on said crank pin, an outer floating bushing mounted on said inner bushing, a rod journaled on said outer bushing, said outer bushing having a series of separate circumferentially spaced lubricant containing reservoirs therein extending longitudinally thereof and passageways leading from the respective reservoirs to the outer peripheral rod supporting surface of said outer bushing, means in said reservoirs for retarding the flow of lubricant therein to the passageways leading therefrom, an means for supplying lubricant to each of said reservoirs through one end of said outer bushing.

2,418,246
SANDING OR RUBBING MACHINE

Arthur C. Burleigh, Wellesley, Mass.
Application May 1, 1945, Serial No. 591,336
6 Claims. (Cl. 51—170)

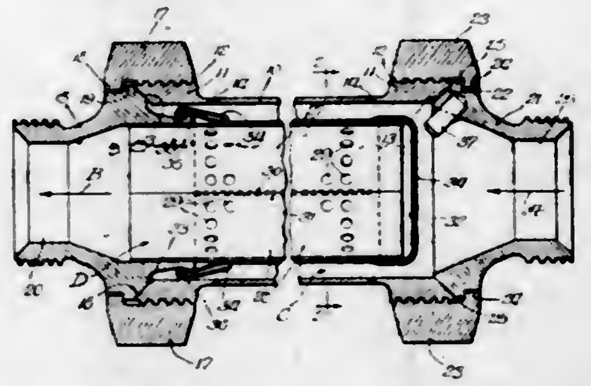
1. A machine of the class described comprising a head member, a driving shaft rotatably supported thereby and having two oppositely disposed crank portions, a pad-carrying element mounted on one crank portion, an operating pad secured to said pad-carrying element, said pad providing the entire abrading or rubbing surface of the machine, a counterweight mounted on the



other crank portion and means to rotate said driving shaft, both the pad-carrying element and the counterweight being free to have a bodily gyratory motion about the axis of the driving shaft as the latter is rotated with the tangential movement of each always in an opposite direction to that of the other.

2,418,247
TUBULAR DETACHABLE FILTER

Charles B. Dalzell, Little Falls, N. Y., assignor to Cherry-Burrell Corporation, Chicago, Ill., a corporation of Delaware
Application March 17, 1941, Serial No. 383,711
9 Claims. (Cl. 210—164)



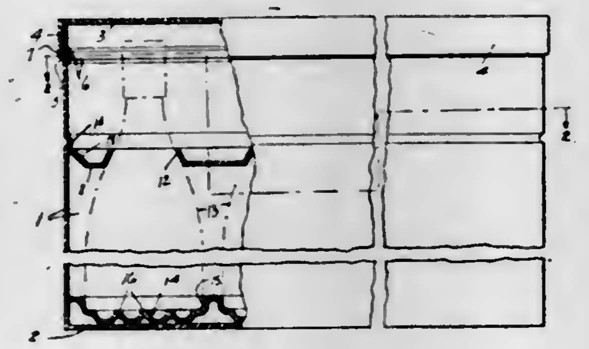
1. A filter device of the character described including a side wall forming a portion of a filter chamber, spaced openings in said chamber, an end wall for said chamber having a flange defining one of said openings, a filter material member connected to said flange, and a perforate sectional filter material member supporting device partially telescoped into said flange within said chamber so as to support said filter material member supporting device, said supporting device being comprised of complementary curved sections in opposed arrangement having abutting overlapping flanges extending along the adjacent edges of said sections to facilitate assembly of said sections into a substantially tubular element.

2,418,248
MOLDED FIBROUS PULP CONTAINER HAVING CLOSURE SECURING MEANS

Harvey R. Denton, Oakland, Calif., assignor to Moist-R-Proof Container Co., San Francisco, Calif., a corporation of California
Application March 31, 1944, Serial No. 528,902
3 Claims. (Cl. 229—45)

2. A molded four-sided container having rectangular side walls and an open upper side, each

of said four side walls being formed with a horizontally extending inwardly projecting rib at the same distance from said upper side, a rectangular horizontally disposed retainer sheet of relatively resilient material within said container and positioned below said ribs, said sheet being relieved for a predetermined distance from each of its corners and for a width about equal to the thickness of each of said ribs and the remainder of the sheet along its edges and between the relieved portions extending below the said ribs respectively, a molded rectangular cover for said open side including depending flanges at its edges adapted to extend over the outer surfaces of the upper marginal portions of the side walls, a rib projecting inwardly from each of said flanges, and an outwardly opening recess formed in each of said side walls adapted to frictionally receive each of said ribs therein in interlocking relationship.



2,418,249
ABRASIVE ARTICLES

Charles E. Drake, Bloomfield, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application June 30, 1945, Serial No. 602,673
8 Claims. (Cl. 51—299)

1. An abrasive article comprising abrasive grains and a bond containing the vulcanization product of a mixture of rubber, sulphur in amount to vulcanize said rubber to hard rubber and an organic polysulphide polymer plastic selected from the group consisting of polymers of one of the repeated structural units $[-C_2H_4-S_{4\text{ to }6}-]$,

$$[-C_2H_4-O-C_2H_4-S_{2\text{ to }6}-] \text{ and}$$

$$[-C_2H_4-O-CH_2-O-C_2H_4-S_{2\text{ to }6}-]$$

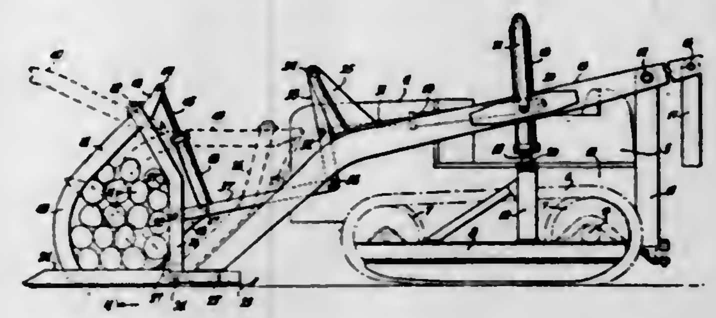
2,418,250
ABRASIVE ARTICLES

Charles E. Drake, Bloomfield, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application June 30, 1945, Serial No. 602,674
2 Claims. (Cl. 51—299)

1. An abrasive article comprising abrasive grains and a bond containing the vulcanization product of a mixture of rubber, sulphur in amount to vulcanize said rubber to hard rubber and a copolymer of a major proportion of isobutylene and a minor proportion of a conjugated diolefine selected from the group consisting of butadiene-1,3, isoprene, 2,3-dimethyl butadiene-1,3 and pentadiene-1,3 copolymerizable therewith, the proportions of rubber and the copolymer of isobutylene and conjugated diolefine being within the range 1:5 to 5:1 parts by weight.

2,418,251
LOADER

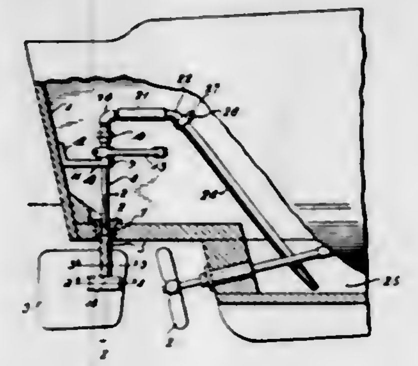
Edward A. Drott, Milwaukee, Wis.
Application February 14, 1945, Serial No. 577,798
7 Claims. (Cl. 214—140)



1. In a loader, the combination with a tractor vehicle, of a load carrying support mounted on said vehicle and projecting in front of the same, load receiving means tiltably mounted on the front portion of said support, a movable gripper to grip material loaded into said load receiving means as the vehicle advances, ground engaging means at the front end of said support facilitating the skidding of the load to a place of deposit, means for tilting said load receiving means and gripper backwardly on said support while said ground engaging means are in operative position, means for moving said gripper into and out of load gripping position, and means for raising and lowering said support.

2,418,252
AUTOMATIC BOAT BAILER

Ralph Leo Engle, Oden, Mich.
Application September 5, 1944, Serial No. 552,755
10 Claims. (Cl. 114—185)

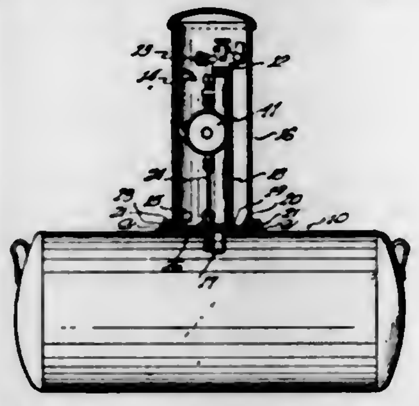


6. A self-bailing device for a boat having a bilge comprising in combination: a rudder having a blade and a hollow shaft rigidly attached to said blade; a Venturi suction producing device carried by said rudder communicating with said hollow shaft; and a conduit communicating with said hollow shaft and extending into the bilge of said boat.

2,418,253
DOME MOUNTING FOR BUTANE TANKS

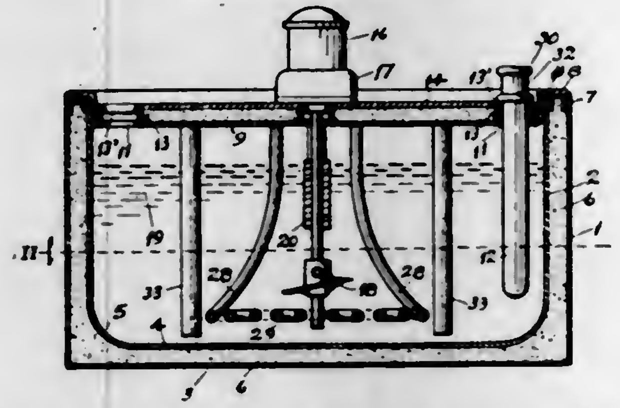
Robert Ewing, Dallas, Tex.
Application April 22, 1944, Serial No. 532,379
1 Claim. (Cl. 220—85)

A dome and mounting for underground gas storage tanks including in combination with the service line thereof, a mounting plate secured to said tank and a flange turned on the lower edge of said dome, diametrically opposed supporting means for said plate, a gasket between said flange and plate, bolts for detachably securing said dome flange and plate together, an inclined tube affixed to and extending upwardly from said plate, through which said service line extends and means closing the upper end of said tube for packing said service line to resist ingress of moisture into said dome.



2,418,254
TESTING DEVICE

Russell R. Fleharty, Muskegon Heights, Mich.
Application October 5, 1944, Serial No. 557,256
1 Claim. (Cl. 219—39)

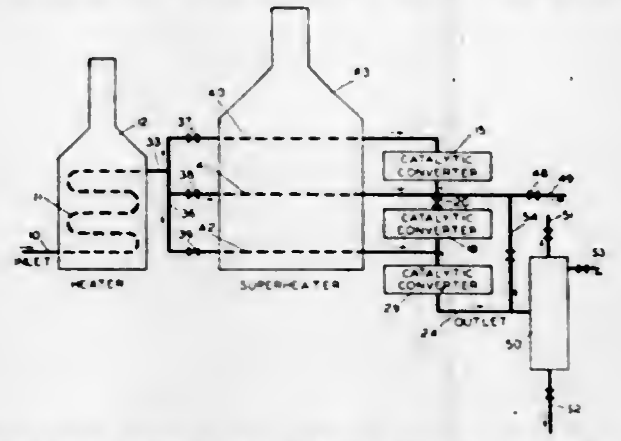


The combination in a testing device, of a tank comprising inner and outer metallic shells joined together in spaced apart relation to each other throughout their opposed peripheries with the space between the shells filled with heat insulating material, a plurality of cover plates closing the said shells and in spaced apart relation to each other, each cover plate having a plurality of holes through each of which to enter a test tube, an electric motor mounted above the said cover plates and having a vertical shaft extending through the same into the said inner shell, with a vertical axis propeller fluid agitator slidably fastened to the vertical shaft for agitating fluid within the tank, an electric heat control mounted above the said cover plates and having a horizontally disposed heating element connected thereto and located within and adjacent the bottom of the tank, a thermoregulator extending through the said cover plates and into the tank and having electric connection with the electric heat control, and a switch having electric connection with the electric motor and heat control.

2,418,255
CATALYTIC DEHYDROGENATION OF HYDROCARBONS

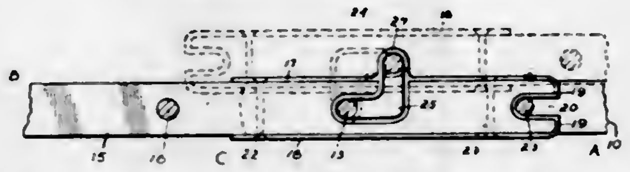
Frederick E. Frey, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application September 9, 1940, Serial No. 356,080
3 Claims. (Cl. 260—683.3)

1. A method of carrying out endothermic conversions, which comprises subjecting a reactant material to such conditions of elevated temperature and time of heating as to effect a substantial partial thermal conversion, passing the partially converted material without separation or substantial temperature loss through a series of catalytic contact masses substantially free from heat-exchange relationship with temperature-controlling media to effect endothermic reactions whereby said material is cooled, and adding portions of said thermally partially converted material at an elevated temperature to the reactions between successive contact masses.



2,418,256
LADDER

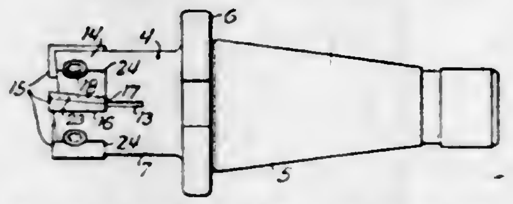
Grant D. Godfrey, Beatrice, Nebr.
Application September 17, 1945, Serial No. 616,775
1 Claim. (Cl. 228—23)



As a new article of manufacture; a strap approximately U-shaped in plan having oppositely disposed side portions, an open end and a closed end, the latter being provided with a notch, the walls of which are disposed toward said open end and between said side portions; and a member having an opening therethrough, the wall of said opening being substantially L-shaped in plan, one leg of said L being disposed approximately midway between said side portions and in parallelism with said side portions, the other leg of said L having an end portion disposed beyond and through the flank of one of said side portions being secured to the latter, said side portions each being provided with a plurality of holes for receiving detents therethrough, whereby the side portions of the strap may be respectively secured to the opposite edges of a side rail of a runged ladder in a manner to dispose said notch at an end of said rail.

2,418,257
INSERTED TOOTH MILLING CUTTER

John H. Grayson, Monrovia, Calif., assignor, by mesne assignments, to Lowell and Grayson Manufacturing Company, Monrovia, Calif., a corporation of California
Application March 30, 1944, Serial No. 528,719
11 Claims. (Cl. 29—105)



1. In a tool holder, the combination of a tool body having an axial hole and a plurality of cir-

cumferentially spaced substantially radial slots provided therein, the slots being in acute angle relation to one another and extending longitudinally inwardly from one end of said body, whereby the body portions between slots form resilient tool clamping jaw portions of wedge shaped cross-section, cutting tools adapted to be disposed in said slots so as to project from the body for use, a center pin fitting tightly in said axial hole but normally having a predetermined clearance radially with respect to the radially inner side of said tool clamping jaw portions, said pin serving as a locating abutment for the inner ends of the tools disposed in the slots, and means for forcing said jaw portions substantially radially inwardly toward engagement with said pin whereby to clamp the cutting tools in said slots in tight contact with said pin.

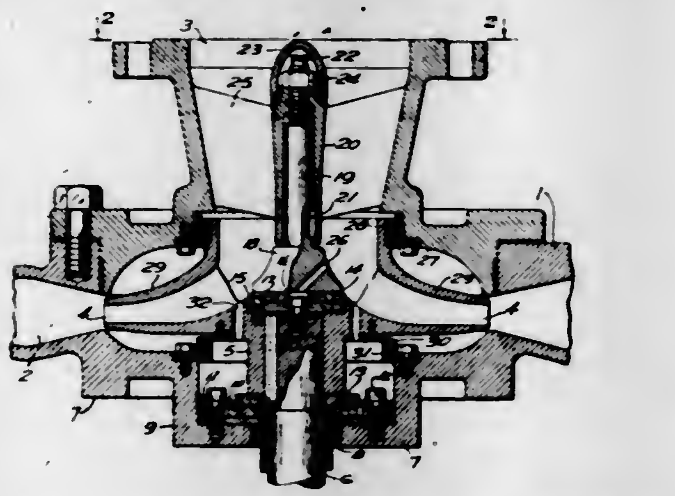
2,418,258

CENTRIFUGAL PUMP

Anatol J. Harlamoff, South Gate, Calif., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York

Application August 18, 1944, Serial No. 550,041

3 Claims. (Cl. 103—111)



1. In a pump of the class described having an impeller with its hub mounted on the end of a shaft, a non-galling disc bearing element mounted on the forward side of the hub in axial alignment with the shaft, an intake nozzle for the impeller having webs carrying a hollow tubular member in axial alignment with the shaft and spaced in front of said bearing disc, a bearing block bearing against the face of said disc, a shank for supporting said block and extending into said tubular member, and means adjustably determining the longitudinal position of the shank in said tubular member to adjust the bearing provided by said disc and block.

2,418,259

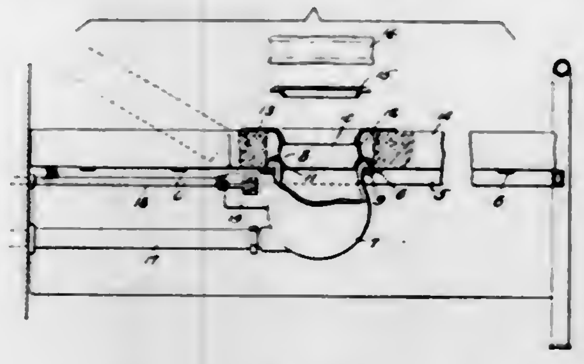
HOSPITAL BED CONSTRUCTION

Roxie G. Harmanson, New Orleans, La.

Application March 23, 1945, Serial No. 584,379

1 Claim. (Cl. 5—90)

In an invalid's bed, a mattress having a central removable section providing an opening, slats arranged adjacent to the opening at the base thereof, a closet bowl having a flange adapted to rest on the slats, supported within the opening, an upwardly tapered supporting band adapted to rest on the mouth of the bowl, a curved flange formed at the lower end of the band conforming to the curvature of the mouth of the bowl, said curved flange being disposed within the opening of the mattress, a seat section adapted to rest on the mattress at the opening, said seat section having a curved inner end adapted to fit over the upper edge of the band, a waste pipe connected with the bowl, and a pipe connected with the bowl for directing flushing water to the bowl, whereby material is flushed from the bowl through the waste pipe.



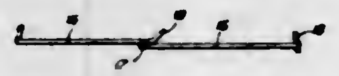
2,418,260

BARREL HOOP

Edward P. Holder, Montclair, N. J., assignor to Wickwire Spencer Steel Company, New York, N. Y., a corporation of Delaware

Application January 12, 1944, Serial No. 517,949

4 Claims. (Cl. 217—93)



1. A barrel hoop comprising at least two arc-shaped sections, each section welded to the preceding section so as to form a ring and to leave at least one free end for each section of the resulting ring, said free ends bent at such an angle to the plane of the hoop that when the hoop is placed on a barrel said free ends lie obliquely across the staves.

2,418,261

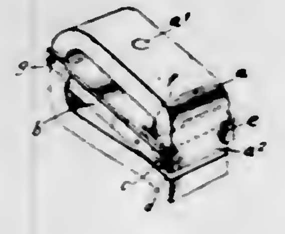
PERMANENT BRAKE MAGNET FOR ELECTRICITY METERS

August Hungerbühler, Zug, and Woldemar Labhardt, Zurich, Switzerland, assignors to Landis & Gyr, A. G., Zug, Switzerland, a body corporate of Switzerland

Application July 31, 1943, Serial No. 496,970

In Switzerland November 30, 1942

3 Claims. (Cl. 171—34)



1. A permanent brake magnet for electricity meters with temperature sensitive material supported on the magnet in which a magnetically conducting strap extends from a pole piece to a central portion of the magnet at one side thereof and one end of said strap is spaced from the magnet by said material, a bail partially surrounding said pole piece, and a tensioning member connecting the bail to an intermediate portion of said strap to firmly press one end of the strap against the magnet and the other end against said material whereby it is securely contacted with the magnet.

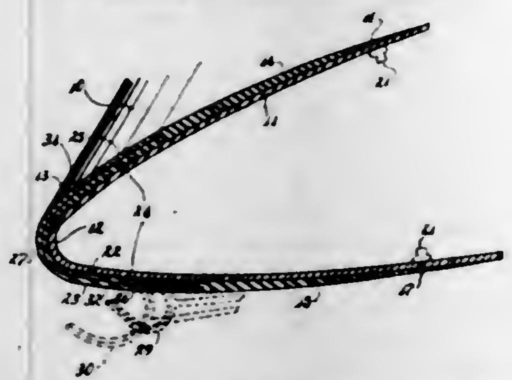
2,418,262

INFLATABLE SHOE FOR AIRCRAFT

Willson H. Hunter, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application September 10, 1943, Serial No. 501,783

7 Claims. (Cl. 244—134)



1. An inflatable shoe for preventing the accumulation of ice on an airfoil having a thin-section leading edge, said shoe comprising a tube portion of elastic material extending longitudinally of the shoe and stretchable portions of elastic material at the sides of said tube portion extending toward the margins of the shoe, said tube portion having an inner and an outer wall adapted to be distended upon inflation of the tube portion and said tube portion including a stretch-resisting fabric element in said inner wall and in longitudinally extending side regions of said outer wall for resisting stretch of said inner wall and said side regions, said element having margins spaced apart in said outer wall leaving an intermediate region of said outer wall of relatively high stretchability.

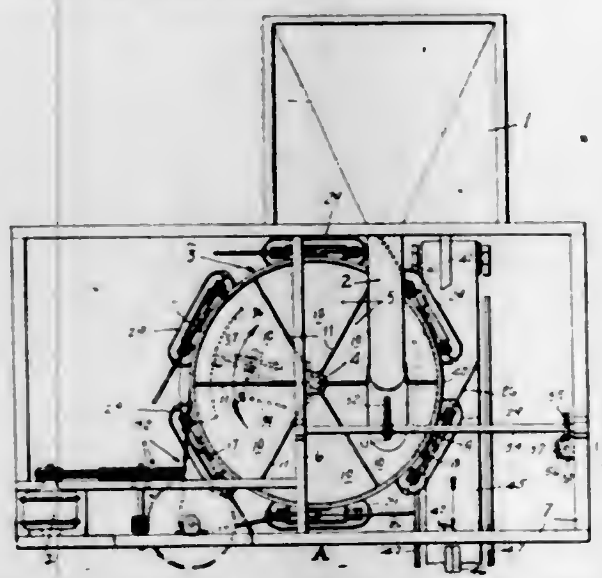
2,418,263

VALVE CONTROLLED ROTARY HOPPER BAG FILLING MACHINE AND METHOD

George L. Hurst, San Francisco, Calif.

Application December 7, 1943, Serial No. 513,223

10 Claims. (Cl. 226—61)



1. The method of filling sacks with rice and the like that comprises the steps of; continuously moving a plurality of feed hoppers along a common path of travel, successively filling said hoppers to a predetermined level at a point in said path, suspending a sack vertical with its mouth open adjacent each of said hoppers for movement therewith as each hopper is filled, then discharging the contents of each such hopper into the sack during movement of the hoppers in said path, and thereafter releasing each sack for movement thereof away from said common path and so moving each released sack.

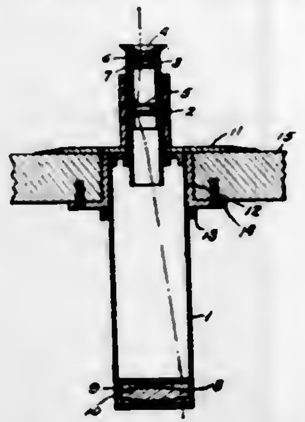
2,418,264

DRIFTMETER

Joseph R. James and René Keyzer-André, Miami, Fla., assignors of one-third to John E. Norman, Miami, Fla.

Application July 5, 1944, Serial No. 543,550

4 Claims. (Cl. 88—1)



3. A driftmeter for aircraft comprising a cylindrical lens of positive power, a tube within which the lens is fixedly mounted, a bearing for said tube whereby said tube may be rotated about its longitudinal axis, a drift scale carried by said tube, and a reference marking fixed with respect to the aircraft and coacting with said drift scale whereby the degree of rotation, and hence the drift, may be observed.

2,418,265

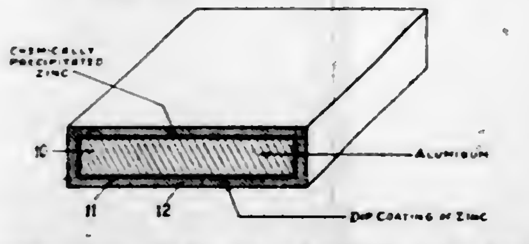
PROCESS FOR PROVIDING ALUMINUM AND ALUMINUM ALLOYS WITH METAL COATINGS

Joachim Korpiun, Birkenwerder, near Berlin, Germany, assignor to Sherka Chemical Co. Inc., Bloomfield, N. J., a corporation of New York

Application August 20, 1940, Serial No. 353,385

In Germany September 22, 1939

2 Claims. (Cl. 117—51)



1. Process for coating aluminum and aluminum alloys by dipping the same into molten metal, comprising subjecting aluminum or its alloys to a preliminary treatment with a solution of an alkali metal zincate containing potassium copper cyanide until a chemically precipitated metal deposit in a well covering and firmly adhering form is obtained, and dipping the so coated aluminum into a molten bath of a member of the group consisting of zinc, tin, lead and their alloys.

2,418,266

AIR MIXING AND DIFFUSING OUTLET HAVING A CONCENTRIC OPEN ENDED TUBE FOR MIXING ROOM AIR WITH THE INCOMING VENTILATING AIR STREAM

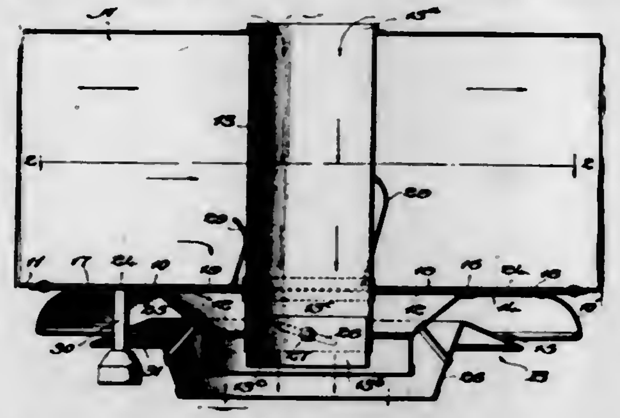
Franz J. Kurth and Friedrich Honerkamp, New York, N. Y., assignors to Anemostat Corporation of America, New York, N. Y., a corporation of Delaware

Application August 16, 1943, Serial No. 498,843

10 Claims. (Cl. 98—40)

1. In combination, an air supply duct having annular outlet means for discharge of air there-

from into an enclosure, and a tube disposed inwardly of and concentrically with respect to said outlet means for conducting air from the enclosure to a point in proximity to said outlet means for intermixture with and to temper the air discharged from the duct through said outlet means, the outlet end of said tube facing in the same general direction as the direction of discharge of air from said duct through said outlet means and being disposed in such proximity to said outlet means that air flowing through said outlet means from said duct induces a flow of the enclosure air through said tube, said tube including a short length discharge end portion longitudinally adjustable relative to the other portion thereof to vary the position of the discharge end of said tube longitudinally relative to said outlet means, said short-length portion of said tube being spaced a constant distance inwardly from the outer side of said outlet means.



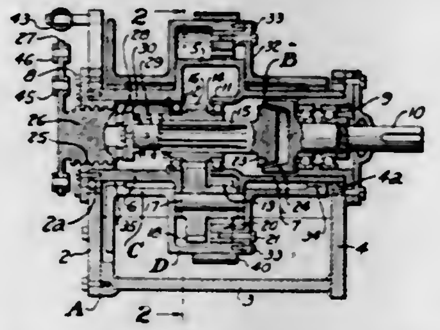
2,418,267

HOIST

Frank P. Lawler, Chicago, Ill., assignor of one-third to Charles H. Grant, San Francisco, Calif., one-third to Frank P. Lawler, Chicago, Ill., and one-third to Paul J. Tyler, Oroville, Calif., jointly

Application April 5, 1944, Serial No. 529,883

10 Claims. (Cl. 254—187)



4. In a hoist of the character described, a housing having a central enlarged portion and a hub member at each end thereof, a connected brake drum, cable drum and head member surrounding and enclosing the housing, said connected members being journaled on the respective housing hubs, a drive shaft journaled interior of one of said hub members, a driven shaft journaled within the central enlarged portion of the housing, a gear pinion on the driven shaft, a journal pin mounted in the enlarged portion of the housing, an internal ring gear secured to the brake drum, a pair of connected gears mounted on the journal pin, one of said gears meshing with the pinion on the driven shaft and the other with the internal gear to form a reduction gear drive between the driven shaft and the connected drums, and a manually operated clutch within the housing to connect or disconnect the drive and the driven shafts.

2,418,268

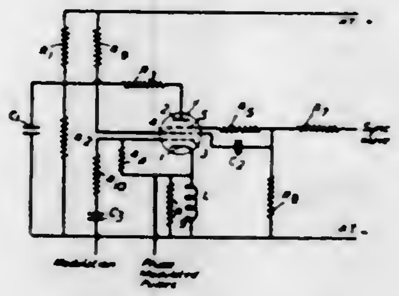
PULSE MODULATION SIGNALLING SYSTEM

Dennis Illingworth Lawson, Cambridge, England, assignor to Pye Limited, Cambridge, England, a British company

Application December 31, 1943, Serial No. 516,491

In Great Britain December 18, 1942

9 Claims. (Cl. 179—171.5)



9. A pulse modulation signalling system comprising a valve oscillator for generating a series of constant width pulses, means for applying modulation to the generator to generate the pulses at time intervals which vary periodically in accordance with the frequency of the modulation to be transmitted, means for transmitting the modulated series of pulses.

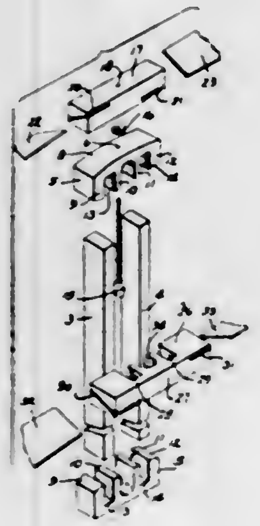
2,418,269

TOY HELICOPTER

William T. Lewis, Racine, Wis., assignor to Whitman Publishing Company, Racine, Wis., a corporation of Wisconsin

Application May 3, 1945, Serial No. 591,694

7 Claims. (Cl. 46—75)



1. A toy helicopter comprising a pair of longerons, cap members spanning the longerons at their respective ends and each provided with a pair of spaced, transversely extending, open-ended channels in which the ends of the longerons are seated, a propeller shaft extending through one of said cap members, a propeller carried thereby, a band motor connected with the propeller shaft and extending under tension between said longerons and engaged about the cap member at the opposite end of the longerons from the propeller shaft, and reaction absorbing means carried by said longerons and comprising means connecting intermediate portions of the longerons against relative displacement under tension of said motor.

2,418,270

PREPARATION OF CATALYSTS COMPRISING SUPPORTED CHROMIUM OXIDE

Maryan P. Matuszak, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

No Drawing. Application May 27, 1943, Serial No. 488,739

5 Claims. (Cl. 252—251)

1. A process of preparing a catalyst comprising chromium oxide supported on a porous granular catalyst carrier material which comprises forming a hydrosol by the addition of a concentrated aqueous ammonia solution to a concentrated aqueous solution of a water-soluble chromium salt of a monobasic acid in an amount approximately two thirds of the stoichiometrical equivalent of said salt and less than the amount required to form a permanent precipitate, impregnating the porous granular catalyst-carrier material with said hydrosol and thereafter removing a substantial portion of the excess liquid therefrom, drying the resulting impregnated catalyst-carrier material, and thereafter heating it at a temperature within the range of approximately 250° to approximately 600° C. while passing a current of superheated steam containing approximately 5 to approximately 15 per cent by volume of molecular hydrogen thereover.

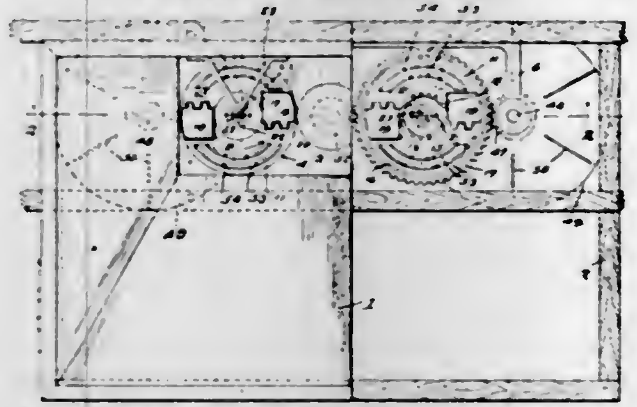
2,418,271

FERTILIZER DISTRIBUTOR

Henry H. Meincke, Howey In The Hills, Fla.

Application August 14, 1944, Serial No. 549,348

6 Claims. (Cl. 275—8)



1. A distributor for fertilizer or the like, including a rotatable disk positioned to support bulk material and having a discharge aperture therethrough, a distributing disk positioned to receive material discharged through the opening, means for transmitting motion between the disks, means for driving one of the disks, a deflector on the apertured disk adjacent to the opening therein, and means for adjusting the deflector toward or from the plane of rotation of the apertured disk during the rotation of the disks, said deflector being positioned to deflect downwardly through the apertured disk the bottom portion of the bulk material supported on the disk.

2,418,272

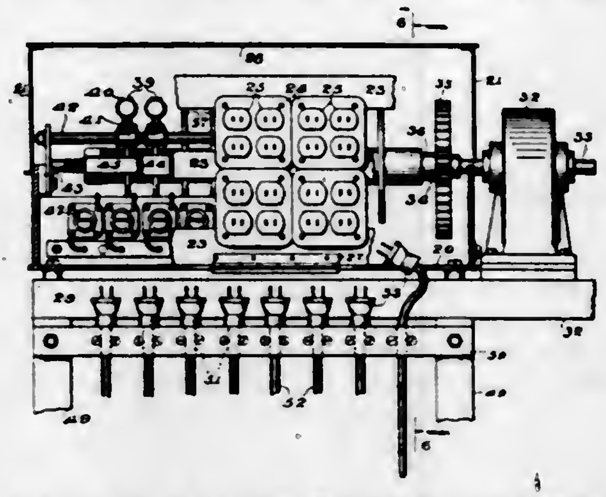
AUTOMATIC MULTIPLE STOKER CONTROL

Fred M. Miller, Bala-Cynwyd, Alfred C. Shape, Upper Darby, William H. McClelland, Wynnewood, and Gordon C. Fay, Beechwood Park, Pa., assignors to General Refractories Company, Philadelphia, Pa., a corporation of Pennsylvania

Application June 9, 1943, Serial No. 490,382

2 Claims. (Cl. 110—32)

1. The combination of a plurality of stokers, said stokers being sub-divided into groups, the stokers of each group being adapted for operative association with the respective firing openings of a kiln, with connection between the stokers of each group whereby the stokers in each group function simultaneously, an electrically actuated device for controlling the operations of each of said groups independently of the other groups, an automatic timing device comprising a plurality of rotatable elements representing different time intervals, a switch for and operative to be actuated by each of said elements, and flexible switching means to selectively connect any one or more of said electrically actuated devices to any one of said switches, to permit instant variation in the operation of each group of stokers in accordance with any of the different time intervals represented by said elements.



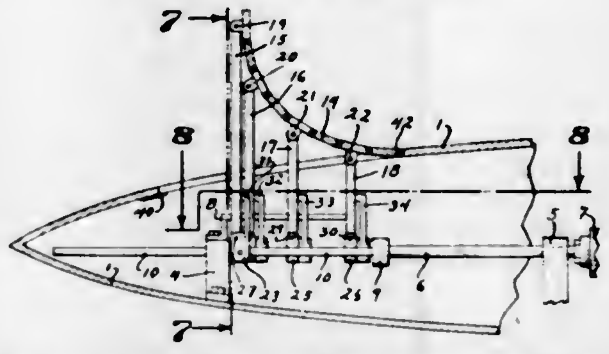
2,418,273

AIRCRAFT WING FLAP ASSEMBLY

Willard H. Moore, Santa Rosa, Calif.

Application December 26, 1944, Serial No. 569,732

5 Claims. (Cl. 244—42)



1. In an aircraft wing flap assembly, the combination comprising an aircraft wing and a wing flap, said wing flap comprising three or more pivotally interconnected strips forming a bendable articulated unit, said articulated unit being pivotally attached along the leading edge thereof directly to said wing along the longitudinal axis of said wing so that said leading edge is always flush with the surface of said wing, said articulated unit being attached at the trailing edge thereof to a wing flap raising and lowering element, said last named means contained entirely within said wing when said flap is in a position flush with the surface of said wing.

2,418,274

HELICOPTER ROTOR VANE FOR BALANCING SIDE THRUST OF ANTITORQUE DEVICES

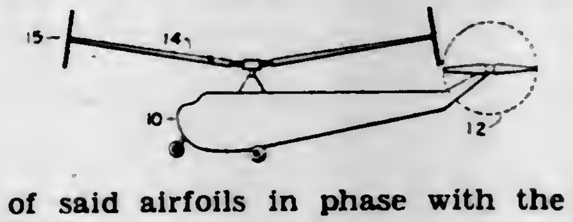
Stephan P. Nemeth, Chicago, Ill.

Application December 20, 1944, Serial No. 569,075

4 Claims. (Cl. 244—17)

2. In combination with a helicopter having one driven sustaining rotor, airfoils spaced from the upward rotor axis predominantly upwardly and moderately inwardly extending, mounted and set

for rotation with the rotor and for airfoil effects, and means for periodically varying the incidence angle of said airfoils in phase with the rotor revolutions.



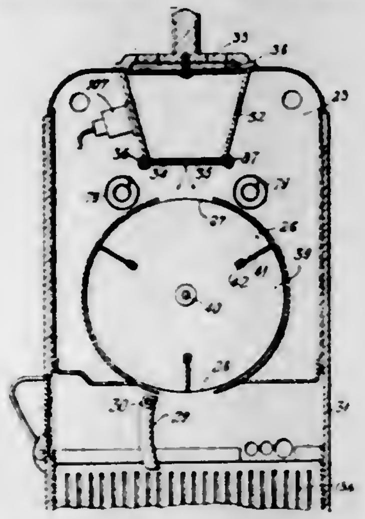
2,418,275

APPARATUS FOR ROASTING COFFEE

Richard F. O'Toole, Scarsdale, and Alexander C. Parlini, Freeport, N. Y., assignors of one-half to said O'Toole, and one-fourth to Nicholas J. Vezeris, and one-fourth to Spiro Linakis, both of New York, N. Y.

Application August 3, 1940, Serial No. 350,460

21 Claims. (Cl. 34—45)



15. In apparatus of the character described the combination, with a roasting chamber, means to supply heat to said chamber, and an actuator controlling the operation of said heat supplying means, of thermostatically controlled means preventing operation of said actuator when the temperature in said chamber is above a predetermined value, while said actuator is in its inoperative position.

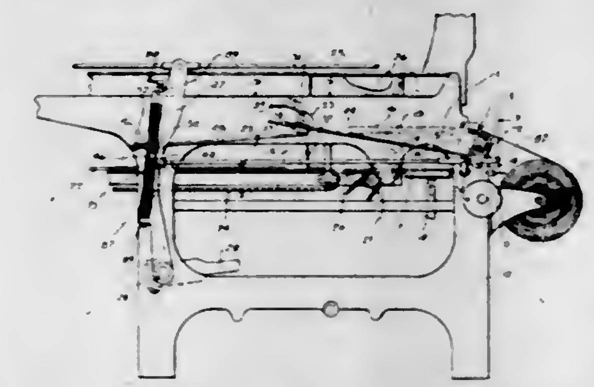
2,418,276

BREAD WRAPPING MACHINE

Charles H. Petskeyes, Davenport, Iowa, assignor to Gellman Manufacturing Company, Rock Island, Ill., a corporation of Illinois

Application June 9, 1945, Serial No. 598,465

7 Claims. (Cl. 93—2)



1. In a machine of the class described, the combination with a platform upon which an article is adapted to be moved, of a rocker arm, paper feeding means, clutch means providing connection between said rocker arm and said paper feeding means, means operable by movement of said articles to connect the clutch means and the paper feeding means, and means operable by movement oi said rocker arm in one direction for disconnecting the clutch means and said paper feeding means.

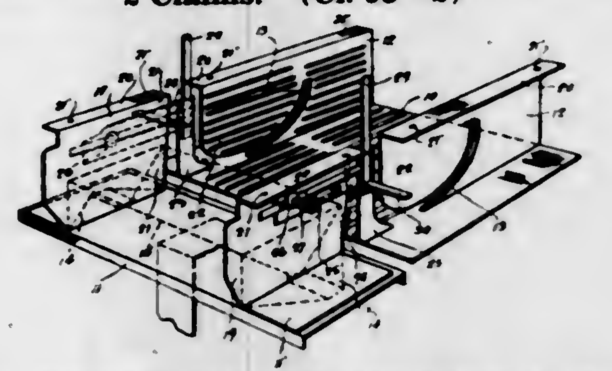
2,418,277

ARTICLE WRAPPING MACHINE

Charles H. Petskeyes, Davenport, Iowa, assignor to Gellman Manufacturing Company, Rock Island, Ill., a corporation of Illinois

Application June 9, 1945, Serial No. 598,468

2 Claims. (Cl. 93—2)



1. A wrapping machine comprising a pair of spaced parallelly arranged fold plates from between which a partially wrapped article is adapted to be moved, a bottom plate, final fold plates providing together with the bottom plate a channel into which said partially wrapped article is adapted to be received from between said parallel plates for final wrapping, the final fold plates being arranged in spaced parallel relation with respect to each other and in alignment with the parallel plates with confronting end portions of the final fold plates and said parallel plates being arranged in spaced relation with respect to each other, retaining means carried by said parallel plates and disposed in the space between the parallel plates and said final fold plates and adapted to retain the folds of said partially wrapped article in folded position as said article is moved from between said parallel plates into said channel between said final fold plates, said retaining means being spaced from the bottom plate to permit the passage between said retaining means and said bottom plate of the final fold portion of the partially wrapped article.

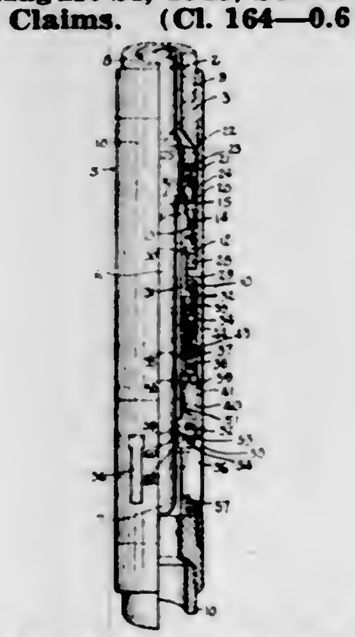
2,418,278

OUTSIDE PIPE CUTTER

Dempson H. Reed, Houston, Tex.

Application August 24, 1945, Serial No. 612,340

11 Claims. (Cl. 164—0.6)



1. An outside pipe-cutting tool including a housing, means to anchor said housing against

upward movement on the pipe being cut including means to contact the pipe, and means movable by the flow of liquid pressure in the tool to move said anchor means into firm biting engagement with the pipe.

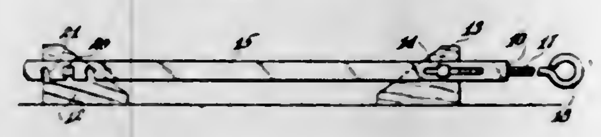
2,418,279

WHEEL BLOCKING DEVICE

Herman Sax and Leroy J. Fox, Chicago, Ill., assignors to Modern Devices, Inc., Chicago, Ill., a corporation of Illinois

Application November 19, 1945, Serial No. 629,520

2 Claims. (Cl. 188—32)



1. A wheel blocking device comprising a U-shaped frame adapted to be placed over the wheel to be blocked, a block slidably guided by the frame longitudinally thereof, an operating screw threadedly engaging the bight portion of said frame and rotatably engaging said block, another block adjustable in said frame, pairs of oblique notches in the legs of said frame and directed toward the bight part thereof and opening through one side thereof, screws threaded in the sides of said other block and adapted for insertion into a corresponding pair of said notches to hold said other block in a selected position.

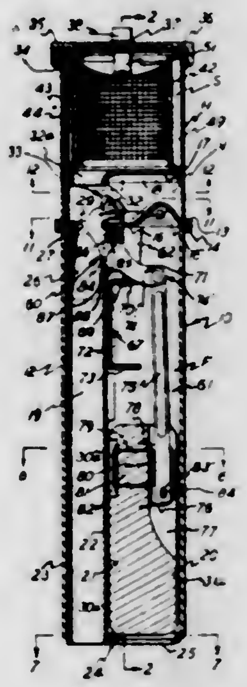
2,418,280

TRIP NOZZLE WITH FLOAT CONTROLLED VALVE

William E. Steen, South Pasadena, Calif., assignor to Smith Meter Company, Los Angeles, Calif., a corporation of California

Application January 19, 1943, Serial No. 472,852

4 Claims. (Cl. 226—127)



1. In a device of the character described, a vertical, tubular housing having an inlet near its upper end, a detachable partition plate across the bore of the housing below the inlet, a delivery tube supported by and depending from the plate, the upper end of the tube opening to the housing bore above the plate, a valve supported on the plate for movement to and from a position closing the upper end of the delivery tube, a float below the plate, an operative connection between the valve and float whereby upward movement of the float moves the valve toward closing position, and a stop supported by the plate and adapted to limit upward movement of the float.

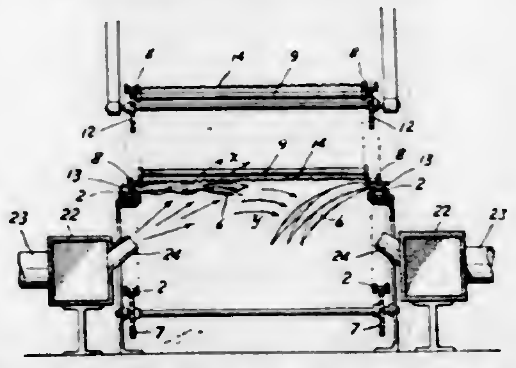
2,418,281

APPARATUS FOR CONDITIONING TOBACCO

Rush D. Touton, Wynnewood, Pa., assignor to Wurton Machine Company, Philadelphia, Pa., a corporation of Pennsylvania

Application January 4, 1944, Serial No. 516,901

5 Claims. (Cl. 131—136)



1. In apparatus for treating tobacco, in combination, a conveyor formed by a pair of spaced elements, means for supporting hands of tobacco on said elements by their butts with their leaf portions free and extending laterally between said elements, a guard extending between said elements above the leaf portions of the hands and spaced means positioned relative to said elements for delivering jets of air upwardly at an angle to the leaf portions of the hands, said means for delivering jets positioned relative to said elements respectively being respectively in staggered relationship.

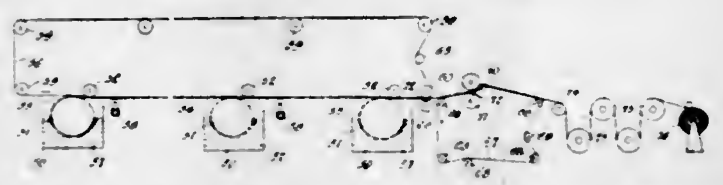
2,418,282

ABRASIVE MANUFACTURE

John A. Williamson, Niagara Falls, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware

Application October 7, 1942, Serial No. 461,140

12 Claims. (Cl. 51—294)



1. The method of making flexible fibrous abrasive web material which comprises forming a fluid aqueous suspension of cellulosic fibers and abrasive grains, agitating said suspension to gelatinize said fibers by the mechanical hydration thereof and incorporate the abrasive particles intimately therewith whereby the abrasive particles are substantially all retained uniformly in suspension, continuously collecting said suspension upon a suitable foraminous support, extracting water therefrom, and drying and compacting the web to the desired density.

2,418,283

RADIANT HEAT DRYING CONSTRUCTION

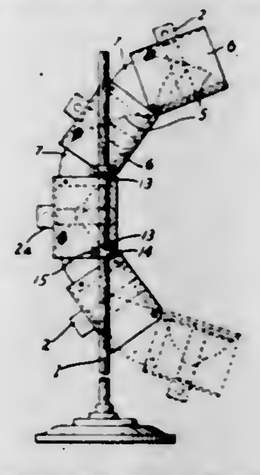
Wesley Wilson, Chicago, Ill.

Application January 28, 1943, Serial No. 473,775

15 Claims. (Cl. 219—34)

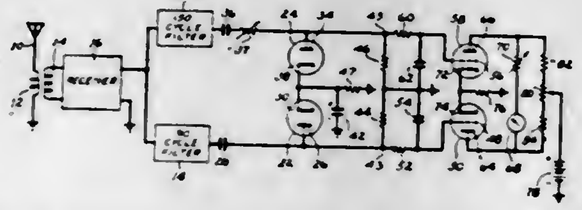
1. A heat-radiating drying construction comprising two elongated parallel banks, each bank comprising a series of longitudinally-spaced, aligned, electric, heat-radiating sources and re-

flector means therefor, and means for connecting said banks for relative movement comprising a linkage having a pivotal connection with one bank providing relative swinging movement between the bank and linkage about an axis extending longitudinally of the bank and having a pivotal connection with the other bank to provide relative swinging movement between said



other bank and said linkage about an axis spaced from said first axis and parallel thereto, and means for securing either one or both of said pivotal connections against pivotal movement whereby the banks may be adjusted about their axes and secured in adjusted position, one of said axes being substantially nearer to the front of its reflector means than the other axis is to the front of its reflector means.

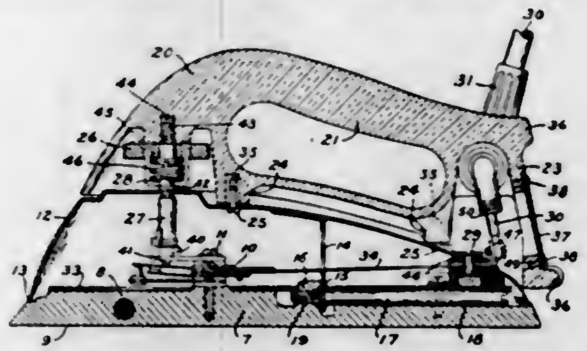
2,418,284
DIFFERENTIAL VOLTAGE MEASURING CIRCUIT
Henry T. Winchel and James A. Wippert, North Hollywood, Calif., assignors, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application April 24, 1943, Serial No. 484,454
5 Claims. (Cl. 171—95)



1. In a system responsive to voltage differentials, a first source of voltage, a second source of voltage, a capacitor, a unilateral impedance connected between said first source and said capacitor, a second unilateral impedance connected between said second source and said capacitor, means for integrating the voltage wave appearing across said first mentioned unilateral impedance, means for integrating the voltage wave appearing across said second mentioned unilateral impedance, and means for comparing the magnitude of said integrated voltage waves.

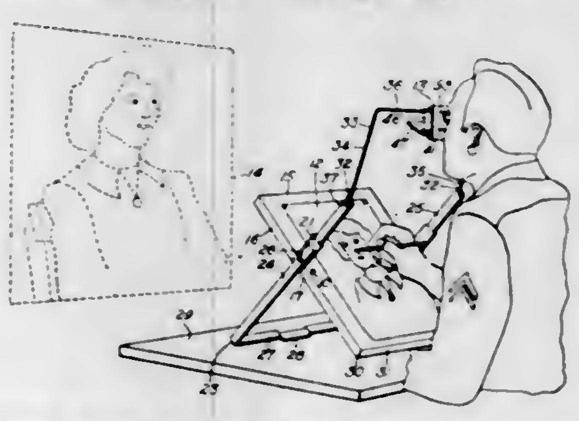
2,418,285
SEPARABLE SADIRON ASSEMBLAGE
Ernst Witzel, Milwaukee, Wis., assignor, by mesne assignments, to Milsteel Products Co., Milwaukee, Wis., a corporation of Wisconsin
Application September 4, 1945, Serial No. 614,160
5 Claims. (Cl. 38—88)

5. A flat iron comprising, a flat work engaging shoe having a central horizontally extending rearwardly open socket and also having an elongated rearwardly open recess disposed in axial alinement with said socket, an inverted cup-shaped body having a lower peripheral rim coacting with the peripheral portion of said shoe and also having a central depending bracket provided with an opening alineable with said socket and recess,



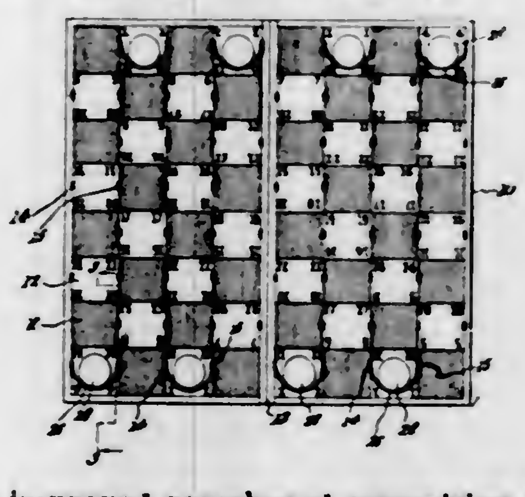
and a single clamping rod journalled for rotation within said recess and coacting with said bracket opening and with said socket to firmly but detachably unite said body and said shoe, said rod being manipulable through the rearwardly open end of said recess.

2,418,286
ARTIST'S SKETCHING EQUIPMENT
Charles D. Austin, Norwood, Ohio
Application February 21, 1945, Serial No. 579,055
7 Claims. (Cl. 35—26)



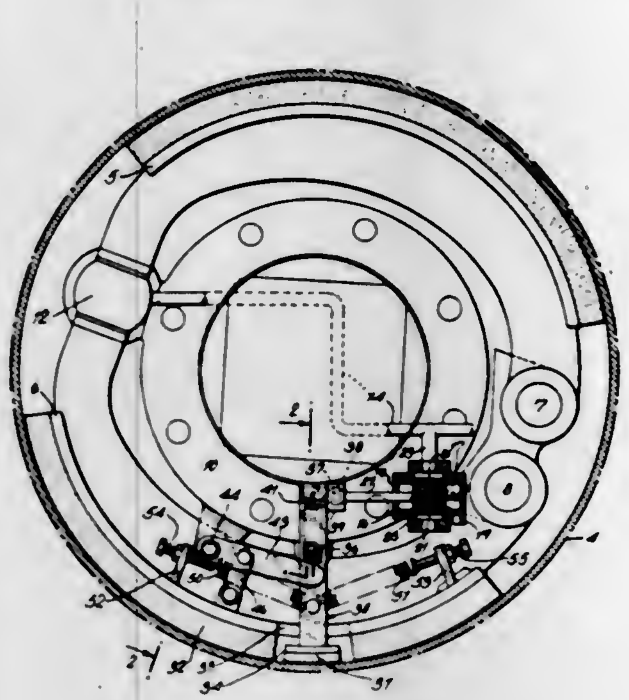
1. Apparatus of the class described comprising in combination, an artist's work panel, a stereoscope including a stereoscopic pair of pictures to furnish a drawing subject in three-dimensional form, and means adjustably supporting the stereoscope relative to the work panel approximately at sight level.

2,418,287
CHECKERBOARD
Garry E. Bennett, Hawthorne, Nev., and Laura M. Bennett, Long Beach, Calif.
Application April 14, 1944, Serial No. 531,014
4 Claims. (Cl. 273—136)



1. An improved gameboard comprising a board having spaces, arcuate game piece shelf strips having legs and angular feet, said board having means to interlock with said legs and feet to hold the strips over the spaces at substantially a 90-degree angle with reference to the playing surface of said gameboard.

2,418,288
NONLOCKING BRAKE VALVE
Walter F. Benning, Toledo, Ohio, assignor to Mack Manufacturing Corporation, New York, N. Y., a corporation of Delaware
Application March 30, 1945, Serial No. 585,639
12 Claims. (Cl. 188—181)



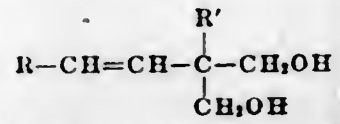
1. The combination with a rotatable member, a brake, and means for applying said brake with pressure tending to lock said member against rotation, of a brake controlling element mounted for movement into engagement with said member and also for movement by and with said member, means for moving said element into engagement with said member as an incident to applying the brake, means for restoring said element against the action of said member as the speed of said member is reduced by said brake to a point just short of zero speed and means controlled by said element in its restored position to reduce the braking effect produced by said brake so as to prevent said brake from locking said member against rotation.

2,418,289
MANUFACTURE OF CYCLIC BASES DERIVED FROM ARYLACETONITRILE DERIVATIVES
Franz Bergel, Nathan Chadwick Hindley, Alexander Lang Morrison, and Heinrich Rinderknecht, Welwyn Garden City, England, assignors, by mesne assignments, to Hoffmann-La Roche Inc., Roche Park, Nutley, N. J., a corporation of New Jersey
No Drawing. Original application March 4, 1942, Serial No. 433,430. Divided and this application January 3, 1944, Serial No. 516,842. In Great Britain August 12, 1941
6 Claims. (Cl. 260—294)

1. A process for the manufacture of 4-arylpiperidine-4-nitrile derivatives which comprises heating an α:α-bis-(β'-halogenalkyl)-arylacetonitrile with a primary amine.

2,418,290
UNSATURATED 1,3-GLYCOLS
Herman A. Bruson and Warren D. Niederhauser, Philadelphia, Pa., assignors to The Resinous Products & Chemical Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application April 24, 1945, Serial No. 590,124
10 Claims. (Cl. 260—635)

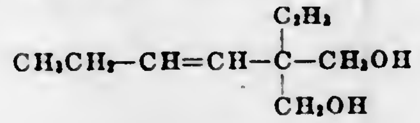
1. A method for preparing glycols of the formula



$$R-CH=CH-\overset{\displaystyle R'}{\underset{\displaystyle CH_2OH}{\overset{|}{\underset{|}{C}}}}-CH_2OH$$

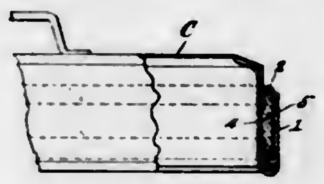
wherein R and R′ are each hydrocarbon groups, which comprises reacting together in the presence of a water-soluble fixed base an α,γ-dihydrocarbon substituted crotonaldehyde and formaldehyde.

10. As a new compound, the unsaturated glycol having the formula



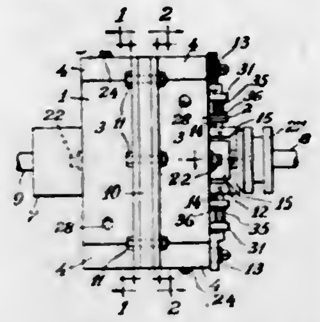
$$CH_3CH_2-CH=CH-\overset{\displaystyle C_2H_5}{\underset{\displaystyle CH_2OH}{\overset{|}{\underset{|}{C}}}}-CH_2OH$$

2,418,291
PROTECTOR FOR GARBAGE CANS AND THE LIKE
Michael James Dacey, Sault Ste. Marie, Ontario, Canada
Application March 27, 1945, Serial No. 585,117
2 Claims. (Cl. 220—85)



2. The combination with a container and a freely removable lid on the container surrounding a portion thereof, of a band detachably mounted on and carried by the surrounding portion of the lid, said band including an annular channel open to the atmosphere surrounding the lid and container, means for detachably securing the band to the lid, and an absorbent material saturated with a repellent, seated in the channel and exposed at all times to said atmosphere.

2,418,292
MECHANICAL CLUTCH
Otto J. Eisele, New York, N. Y.
Application January 13, 1945, Serial No. 572,594
4 Claims. (Cl. 192—60)



1. In a clutch, the combination with a casing having a double compartment, each compartment having a rotor consisting of two segments with a connection bridge inbetween, of a shaft fixed through the centres of said bridges and journaled in the casing, of a sliding piston fitted to slide

within said segments, said piston consisting of two halves, each half beng slotted or grooved and having a rectangular opening to allow free motion of the sliding pistons relative to reciprocation, after said halves are loosely assembled over the said bridges and shaft and securely bolted or attached together, and of cams adopted to actuate said pistons, said pistons being grooved with rings shaped in conformity inserted therein, said rings being properly cut with pressure means behind to prevent leakage.

2,418,293

PROCESSING THERMOPLASTIC RESINS FROM CELLULOSE AND ROSIN ACIDS

Eduard Färber, New Haven, Conn., assignor to Polyxor Chemical Co., Inc., a corporation of New Jersey

No Drawing. Application December 6, 1943, Serial No. 513.187

3 Claims. (Cl. 260—9)

1. The method of changing the qualities of a thermoplastic resin produced by heating to a temperature of at least 300° C. a mixture of a cellulose containing material with a material selected from the group consisting of (1) the resin acids that are found in tall oil, (2) the mixtures of such acids and the fatty acids that are found in tall oil, and (3) rosin, the quantity of said acid materials being at least about equal by weight to the quantity of the cellulose containing substance, which comprises mixing with one hundred parts of the thermoplastic resin, from about two-tenth part to about two parts of hexamethylenetetramine, the proportions being by weight.

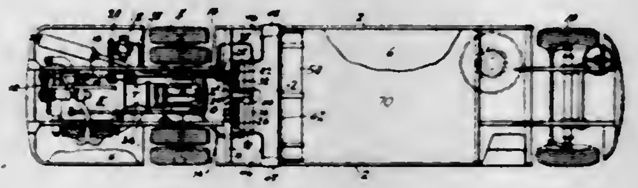
2,418,294

DUCT FOR DIRECTING COOLING AIR TO MOTOR VEHICLE ENGINES

Howard A. Flogaus, Wallingford, and Lawrence E. Vogt, Lansdowne, Pa., assignors to ACF-Brill Motors Company, New York, N. Y., a corporation of Delaware

Application October 4, 1944, Serial No. 557,107

8 Claims. (Cl. 180—54)



8. In a motor vehicle having a floor a fuel tank, a radiator, an engine, said tank, said radiator and said engine being fixed beneath the floor and in spaced longitudinal alignment in the order named from front to rear, said tank being located rearwardly from the front end of the floor, a transverse wall between the tank and the radiator, and means for directing air into the space between the transverse wall and the radiator, the incoming air for the radiator insulating the fuel tank from engine heat.

2,418,295

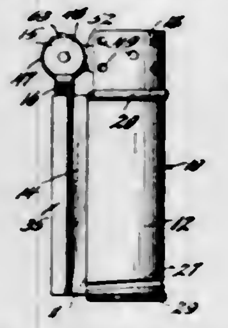
CIGARETTE LIGHTER OR THE LIKE

Irving Florman, New York, N. Y.

Application March 17, 1944, Serial No. 526,912

5 Claims. (Cl. 67—7.1)

2. A lighter for cigarettes or the like which comprises a unitary housing member formed from a substantially rectangular blank of sheet material bent to provide two spaced tubular portions, and flattened centrally to provide two adjacent parallel webs for connecting the tubular portions and rigidifying the construction, one of said tubular portions enclosing the flint and flint projecting mechanism and the other containing the fuel and wick, transverse partitions in the fuel containing portion providing upper and lower end closures for a fuel reservoir, the inner walls of the fuel containing portion being scored to provide interlocking means for the edges of said partitions, and a liner sheet of resilient material sprung into the fuel containing portion to cover the joint in the wall thereof adjacent the web portion.



2,418,296

MEDICATED CIGARETTE

Sarah S. Frederickson, Oklahoma City, Okla.

Application April 17, 1944, Serial No. 531,481

4 Claims. (Cl. 131—17)

1. Medicated smoking tobacco mixture comprising a major portion of untreated tobacco flakes and a minor portion of tobacco flakes coated, to the substantial exclusion of absorption, with a nonirritating substance, in solid state, consisting of an animal fat having a higher melting point than body temperature, and vaporizing without decomposition at ember temperature.

2.418.297

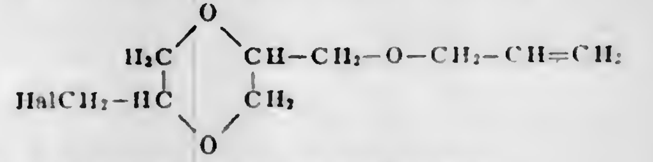
SUBSTITUTED DIOXANES

Frederic A. French and Lynwood N. Whitehill, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application January 4, 1944, Serial No. 516.980

8 Claims. (Cl. 260—338)

7. A chemical compound of the formula



wherein Hal represents a halogen atom.

2,418,298

TELESCOPIC OPTICAL OBSERVATION INSTRUMENT

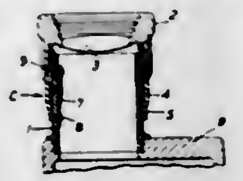
James Weir French, Glasgow, Scotland, assignor to Barr & Stroud, Limited, Glasgow, Scotland

Application May 25, 1943, Serial No. 488,407

In Great Britain June 6, 1940

2 Claims. (Cl. 88—32)

2. In a telescoping optical observation instrument having coaxial tubular parts movable axially relative to each other with one extending beyond the other, a radially resilient sealing sleeve on the outer of said tubular parts and attached thereto with a strong bearing pressure by its inherent resiliency, so as to bind thereon and move with said outer part, the sleeve having an annular extension extending radially inwards of the remainder of the sleeve and being radially contractible and with its inner surface contacting the inner tubular part around its periphery over a substantial area, but with substantially less bearing pressure than that on the outer tubular part so as to slide on said inner part when the outer part is moved relative thereto, whereby a closely bearing non-return moisture seal is provided over the junction between the inner and outer parts and allowing free relative movement between inner and outer parts.



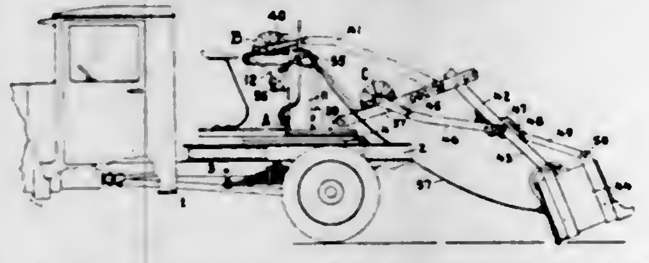
2,418,299

POWER SHOVEL

Howard F. Gorsuch, Mansfield, Ohio

Application November 18, 1944, Serial No. 564,122

11 Claims. (Cl. 214—138)



1. A power shovel and hoist including a turntable, a boom pivotally supported and movable with the turntable, a dipper stick pivotally connected to the boom, a power unit for supplying power in both directions, brackets for supporting the power unit with its axis at right angles to the axis of the turntable, said power unit including a power shaft, a connection between the power shaft and the boom, a second power unit for supplying power in both directions, said second power unit having a power shaft connected to the dipper stick, the connections between the power units and the boom and dipper stick being adjustable.

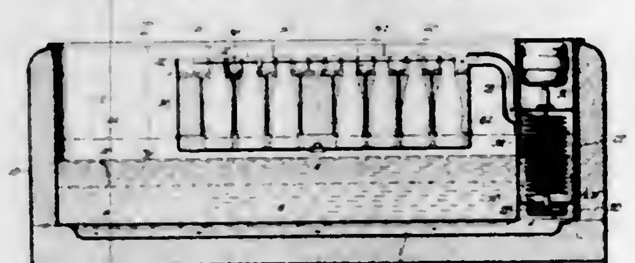
2,418,300

CONSTANT LEVEL TANK FOR VENDING MACHINES

Jerome E. Hagstrom, Kansas City, Mo., assignor to C. Earl Hovey, Kansas City, Mo., as trustee

Application June 22, 1944, Serial No. 541,592

6 Claims. (Cl. 62—101)



1. In a vending machine of the kind described, an insulated case having a water compartment therein; an imperforate bottle holding tank disposed within the compartment; cooling means for the water; and a pump having connection with the water compartment and the said tank for forcing water from the compartment to the tank, said tank being provided with outlet ports for passage of water therefrom after said water reaches a predetermined level, the volume of water being circulated by the pump being less than the full, combined outlet capacity of the outlet ports of the tank to maintain the water level below the respective, uppermost edges of the said outlet ports.

2,418,301

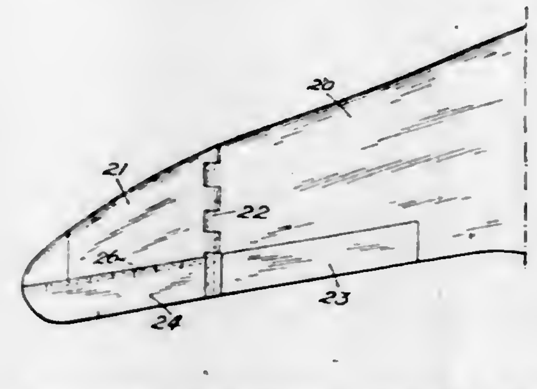
AIRCRAFT SUPPORTING SURFACE

Lionel Charles Heal, Reading, England, assignor to Miles Aircraft Limited, a company of Great Britain

Application November 27, 1943, Serial No. 511,996

In Great Britain July 24, 1942

4 Claims. (Cl. 244—75)



1. An aircraft supporting surface whereof a wing tip portion is pivotally connected and controllable so that it can be projected into a substantially vertical plane in relation to the normal attitude of the aircraft, said tip portion including an adjustable control surface operable for control of manoeuvre with the tip portion projected into the substantially vertical plane.

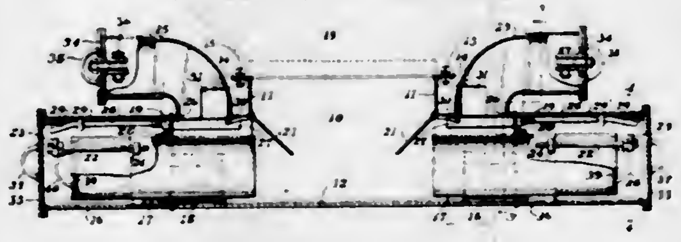
2,418,302

CONVEYING APPARATUS

Philip R. Hornbrook, Allentown, Pa., assignor to Fuller Company, Catasauqua, Pa., a corporation of Delaware

Application June 2, 1944, Serial No. 538,437

8 Claims. (Cl. 302—52)



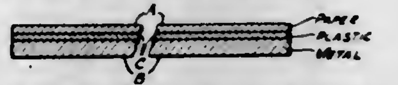
2. In an apparatus for unloading hopper bottom receptacles, comprising an auxiliary receptacle, diametrically disposed tubes extending outwardly of the auxiliary receptacle and communicating therewith, said tubes each having an air inlet opening therein, a discharge nozzle supported within one of the tubes and adapted to be connected at one end to a conveying line, means for directing air to the air inlet openings, valves regulating the openings, and a passageway connecting the tubes whereby the entraining air may be caused to enter the receptacle at diametrically opposite sides in controlled volume.

2,418,303
LAMINATED PHOTOGRAPHIC MATERIAL AND PROCESS FOR PRODUCING THE SAME

Miller Reese Hutchison, New York, N. Y., assignor, by mesne assignments, to Ralph G. Luff, Philadelphia, Pa.

Original application July 12, 1941, Serial No. 402,128, now Patent No. 2,311,547, dated February 16, 1943. Divided and this application October 24, 1941, Serial No. 416,334

14 Claims. (Cl. 95—8)



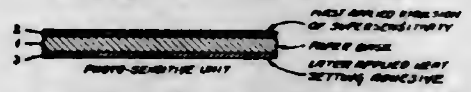
1. In the preparation of material having a photo-sensitive surface and which is immune to plane dimensional variations resulting from changes in atmospheric moisture, the process which includes coating one side of a sheet material with a photographic emulsion having a sensitivity greater than is that necessary for the service intended, adhering the sheet material to a backing element immune to plane dimensional variations resulting from changes in atmospheric moisture by means of a layer of water-proof heat-setting adhesive located between the reverse side of the sheet material and the backing element and which is heated to the setting point to effect a bond between the sheet material and the backing element, the initial sensitivity of the emulsion being sufficient to compensate for a reduction in sensitivity which is occasioned by the heat applied.

2,418,304
ADHESIVE PHOTOSENSITIVE MATERIAL

Miller Reese Hutchison, New York, N. Y., assignor, by mesne assignments, to Ralph G. Luff, Philadelphia, Pa.

Application December 22, 1943, Serial No. 515,282

2 Claims. (Cl. 95—8)


FIRST APPLIED EMULSION OF SUPERSENSITIVITY
PAPER BASE
LATER APPLIED HEAT SETTING ADHESIVE
PHOTO-SENSITIVE UNIT

1. As an article of manufacture, adapted for use in a photographic process for producing on a surface of the material to be fabricated an accurate replica of some particular image, a laminated unit comprising a glass backing element and a photosensitive material adhered thereto, said photosensitive material comprising a flexible sheet material coated on one side with a first-applied unexposed light-sensitive photographic emulsion, and on the other side with a later-applied water-proof heat-setting adhesive, said photographic emulsion being immune to contamination by said adhesive, the heat-setting of the adhesive in bonding the sheet material to the glass backing element having the effect of reducing the sensitivity of the photographic emulsion, and the initial sensitivity of the emulsion being sufficiently greater than that necessary for the service intended to compensate for said reduction in sensitivity.

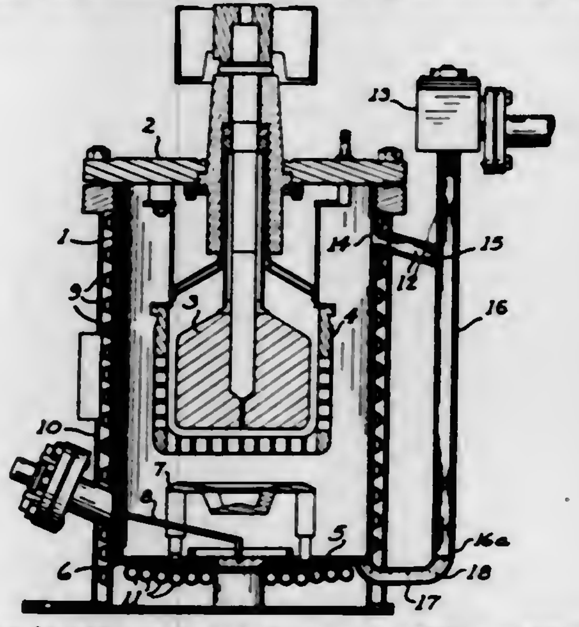
2,418,305
MERCURY ARC RECTIFIER

Charles K. Ittner, Troutdale, Oreg.

Application April 12, 1944, Serial No. 530,713

9 Claims. (Cl. 250—27.5)

1. The combination with a mercury arc rectifier of the character described comprising a chamber adapted for evacuation, anode and cathode elements, the cathode element including a pool of liquid mercury, said rectifier being characterized by producing vaporization of said mercury during the operation thereof, said pool of mercury lying below and being spaced substantially from the anode element, and a conduit leading from the interior of said chamber to an evacuating device arranged at the exterior thereof, said conduit being in open communication with said chamber, of a vertically extending mercury condensing and return conduit, communicating at its upper end with said evacuating conduit intermediate the ends of the latter and with the interior of said chamber, at a point spaced substantially below the point of communication of said evacuating conduit with said chamber.

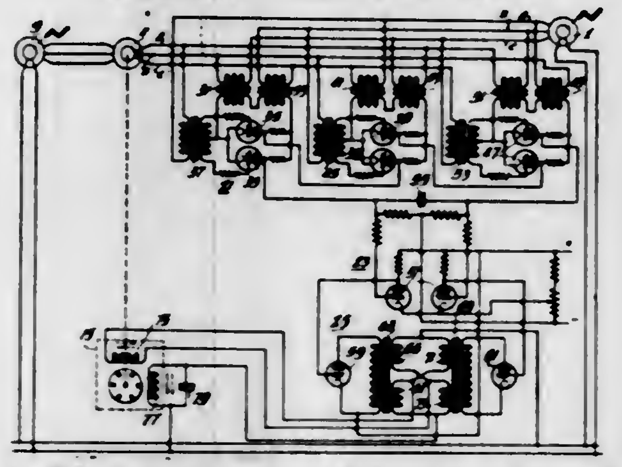


2,418,306
DIFFERENTIAL SERVO SYSTEM

Robert N. Lesnick, Camden, and Leslie E. Matson, Jr., Collingswood, N. J., assignors to Radio Corporation of America, a corporation of Delaware

Application May 26, 1945, Serial No. 595,916

6 Claims. (Cl. 172—239)



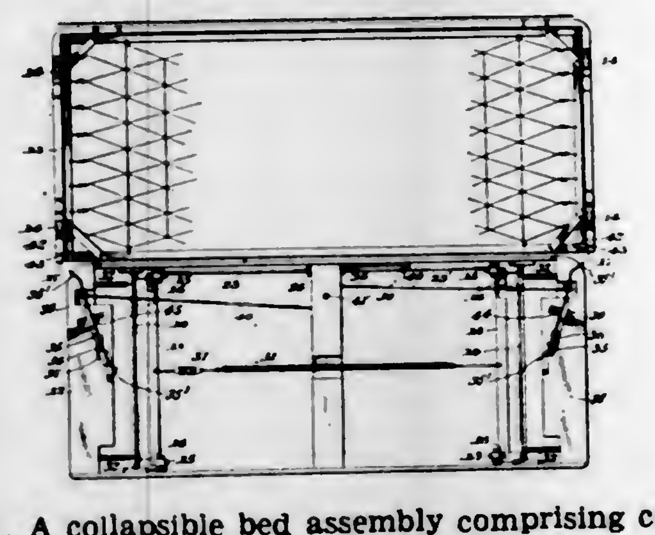
1. A differential servo system including input shafts and an output shaft, means for deriving a first group of A.-C. voltages related to each other in magnitude in accordance with the angular position of one of said input shafts, means for varying the relations between said voltages in accordance with the angular position of said output shaft to produce a second group of voltages related to each other in accordance with the difference in the angular positions of said one input shaft and said output shaft, means for deriving a third group of voltages related to each other in accordance with the angular position of another of said input shafts, a motor coupled to said output shaft and means responsive to the sum of the differences between each of said second voltages and a corresponding one of said third voltages to control the energization of said motor.

2,418,307
COLLAPSIBLE BED

Charles A. Linsley, St. Petersburg, Fla.

Application July 13, 1944, Serial No. 544,662

8 Claims. (Cl. 5—21)



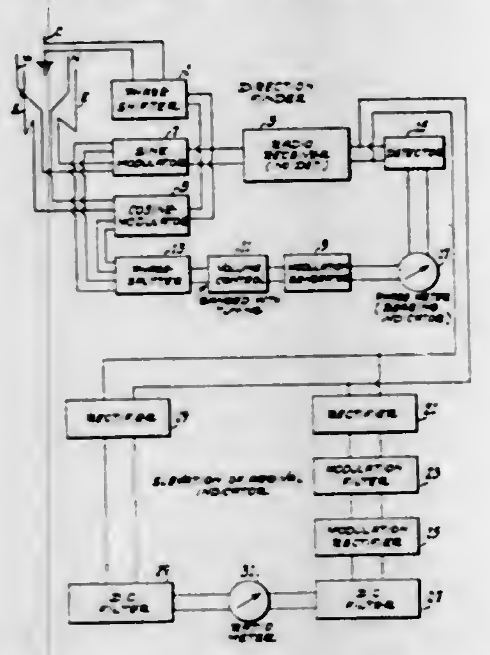
1. A collapsible bed assembly comprising completely separable and independent outer and inner beds nested one within the other and usable when not nested either as twin or independent beds, supporting rollers for each of said beds arranged to permit one bed to be moved endwise and the other bed to be moved laterally whereby said beds are movable into separated or nested position, legs pivotally and collapsibly mounted on said inner bed, means for normally biasing said legs toward extended position to support the bed in elevated position, said biasing means being sufficient to elevate said bed, locking means on said inner bed for maintaining said legs in collapsed position to support the bed in lowered position during nested relationship, means on said outer bed for engaging and releasing said locking means during separation of the beds to permit said biasing means to extend said legs to elevate said inner bed upon separation of said beds so that the inner bed will automatically assume its position of use.

2,418,308
RADIO DIRECTION FINDER

David G. C. Luck, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application June 27, 1942, Serial No. 448,718

2 Claims. (Cl. 250—11)



1. The method of determining the elevation of arrival of electromagnetic waves at a point comprising the steps of deriving from said waves a first voltage having an amplitude which is a function of said elevation, deriving a second voltage which is a similar function of said elevation times the cosine of the angle of said elevation, and determining the ratio of said first voltage to said second voltage.

2,418,309
CHROMIUM OXIDE CATALYST AND ITS METHOD OF PREPARATION

Maryan P. Matuszak, Bartlesville, Okla., and Glen H. Morey, Terre Haute, Ind., assignors to Phillips Petroleum Company, a corporation of Delaware

No Drawing. Application June 4, 1942, Serial No. 445,817

16 Claims. (Cl. 252—210)

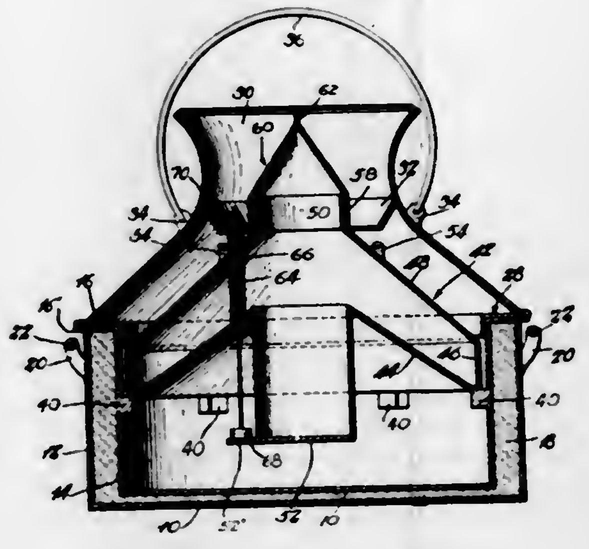
1. A process of preparing an improved chromium oxide catalyst, which comprises impregnating a solid granular carrier with a solution of an ammonium-containing salt of chromic acid, drying the impregnated carrier, and subjecting the dried impregnated carrier to controlled heating in a reducing atmosphere at an elevated temperature below the temperature at which said salt decomposes with incandescence, to effect non-spontaneous decomposition of said salt and concomitant reduction of chromium oxide, and continuing said treatment until said decomposition and reduction is substantially complete, to form a black, unglowed chromium oxide having a ratio of Cr to O_2 corresponding substantially to the empirical formula CrO_2.

2,418,310
PRECOOLING MILKING CONTAINER

Ralph M. McDade, Mebane, N. C.

Application February 23, 1945, Serial No. 579,404

8 Claims. (Cl. 31—4)



1. A precooling milking container, comprising a base milk receiving receptacle, a removable top structure for said base receptacle having an upper outwardly flared neck portion formed centrally of said top structure, a closed refrigerant holder positioned within said base receptacle and extending into said top structure, said refrigerant holder being uniformly spaced from the opposed walls of said base receptacle and said top portion, and independent handles for said base receptacle, said top structure, and said refrigerant holder.

2,418,311
PROCESS OF TREATING CHICK-HATCHERY WASTE TO RECOVER PROTEIN-FAT CONCENTRATES

William D. McFarlane, Ste. Anne de Bellevue, Quebec, and Nikolai Nikolaiczuk, Macdonald College, Quebec, Canada, assignors to The Ogilvie Flour Mills Co. Limited, Montreal, Quebec, Canada

No Drawing. Application March 26, 1945, Serial No. 585,018

6 Claims. (Cl. 99—2)

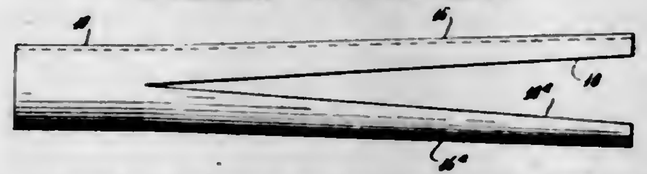
1. The process of treating chick-hatchery waste which comprises subjecting the waste material to the action of lignin in the presence of heat and then drying the waste material.

2,418,312
METHOD OF MAKING TAPERED TUBES

Nathan Michelman, Brooklyn, N. Y.

Application August 12, 1944, Serial No. 549,229

5 Claims. (Cl. 29—156)



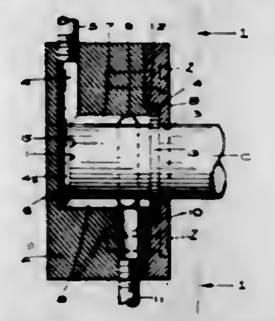
1. A method of producing tapered tubes, which comprises taking a cylindrical tube, deforming the same to produce therein arcuate portions of gradually decreasing radius interconnected by triangular planar portions, removing said planar portions, and then urging said arcuate portions towards one another to bring their edges into juxtaposition.

2,418,313
PLAIN BEARING LUBRICATOR

Earle V. Morley, Oakland, Calif.

Application November 4, 1944, Serial No. 561,937

2 Claims. (Cl. 308—122)



1. A plain bearing having a body with a shaft receiving bore therein and a bottom wall for the bore, said body having a lubricant inlet passage, the bottom wall of the bore having a diametrically extending groove communicating with the passage, the cylindrical wall of the bore having diametrically opposed and longitudinally extending grooves communicating with the ends of the first-named groove and with the inlet, said body having an annular groove communicating with the longitudinally-extending grooves and being spaced from said first-named groove, said body also having an outlet passage communicating with the annular groove.

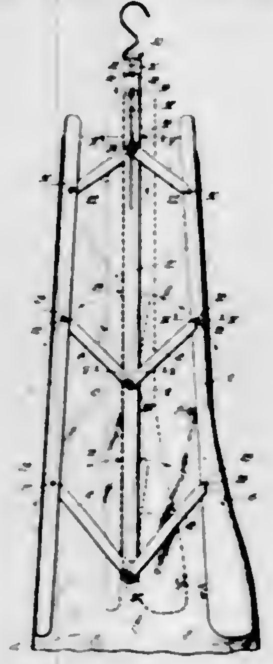
2,418,314
TROUSER HANGER AND STRETCHER

Milas A. Oxley, Kansas City, Mo.

Application April 10, 1944, Serial No. 530,327

1 Claim. (Cl. 223—63)

In a trouser hanger of the kind having a pair of crease forming slats, pairs of links having their outer ends pivotally joined to the slats and their inner ends interconnected, and a slotted tie bar connecting the pairs of links; supporting means for said hanger comprising a clip on one end of the tie bar said clip having ears embracing said tie bar; a hook pivotally mounted on the clip; and means interconnecting the clip and the tie bar.

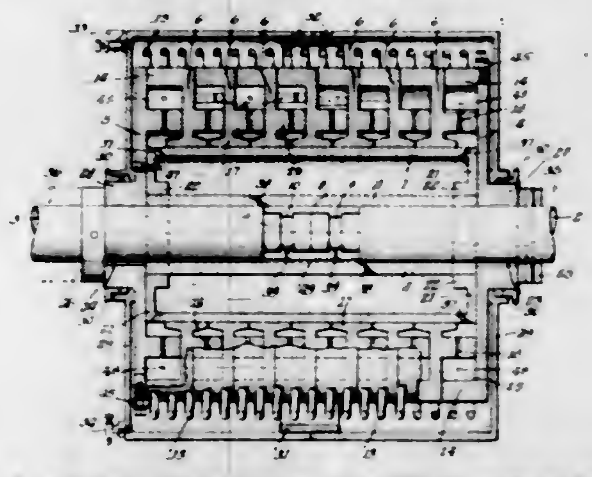


2,418,315
FLEXIBLE SHOCK ABSORBING POWER COUPLING

Eric A. F. Presser, East Chicago, Ind.

Application August 13, 1943, Serial No. 498,448

4 Claims. (Cl. 64—27)



4. A shock absorbing coupling comprising a pair of disconnected shafts, an end disk attached to each shaft, a plurality of floating members between the end disks concentric with the shaft, a resilient member surrounding the disks having one end attached to one end disk and the other end attached to the other end disk, continuous flanges on each disk, a hub on each disk of approximately the same axial dimension as the flanges, a concentric barrel support for the interior diameter of the disks, a self aligning sleeve extending over the ends of the shafts between the end disks, a casing enclosing all the disks whereby the entire interior is sealed to contain lubricant and the entire space between the end disks is filled by the floating disks face to face against each other throughout their entire circumference.

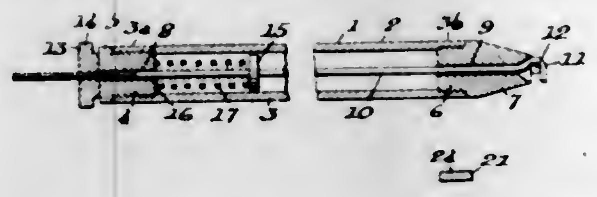
2,418,316
DENTAL INSTRUMENT

David Reiter, Woodside, Long Island, N. Y.

Application January 14, 1946, Serial No. 641,097

2 Claims. (Cl. 32—40)

1. In a sprue holder, the combination of, a tubular barrel provided at one end with a head piece and at another end with a plug, a rod extending through said barrel, head piece and plug, hook-like means formed integrally on one end of said rod beyond said head piece and arranged to clamp a sprue to said head piece, a nut rotatably mounted on said rod and in bearing relation with said plug for drawing said hook-like means toward said head piece, an abutment formed on said rod intermediate the ends thereof, coil spring means within said barrel and acting against said abutment for urging said hook-like means away from said head piece upon a proper manipulation of said nut, and guard means slidably movable on said barrel and having spaced legs for maintaining said sprue in elevated position.

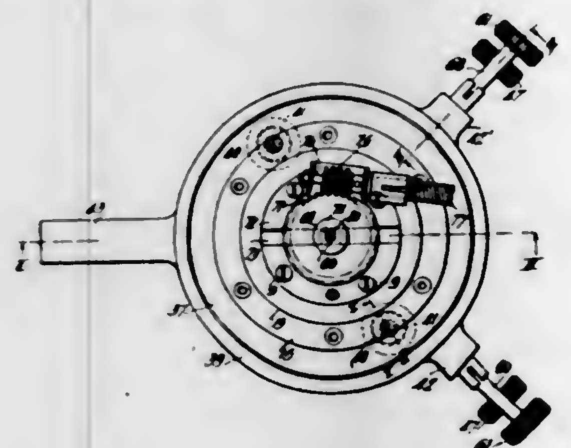


2,418,317
ELECTRONIC GUN ADJUSTMENT

Frank E. Runge, Haddon Heights, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application April 27, 1944, Serial No. 533,073

7 Claims. (Cl. 250—49.5)



3. In an electron microscope, the combination of an electron gun, an adjustable unit supporting said gun and forming a portion of the microscope column, a frame supporting said unit and forming a continuation of said column, abutment means including a yieldable pivot engaging one side of said unit, and adjustable thrust means engaging said unit in opposed angular relation to said pivot for tilting said unit with respect to the axis of said column, whereby said unit is positively controlled and anomalous movements prevented during adjustments.

2,418,318
PROCESS FOR THE PREPARATION OF BZ1-CHLOROBENZANTHRONE

Mario Scalera, Somerville, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application March 23, 1944, Serial No. 527,846

3 Claims. (Cl. 260—364)

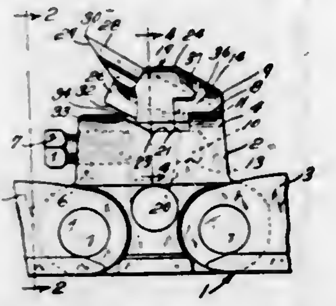
1. A method of chlorinating benzanthrone which comprises subjecting a dispersion of the benzanthrone in phosphoric acid of 85–100% strength to the action of chlorine gas.

2,418,319
CUTTER CHAIN

Leon E. Simmons, Claremont, N. H., assignor to Joy Manufacturing Company, a corporation of Pennsylvania

Application June 8, 1943. Serial No. 490,057

6 Claims. (Cl. 262—33)



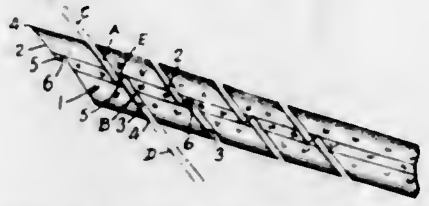
1. In a cutter chain, a chain block having a lateral lug provided with a socket, a holder having a head and a shank, the latter being receivable in said lug socket, said holder head having a bit receiving opening extending completely therethrough, a cutter bit received in said opening with its inner end resting against said block lug, said holder head having a forward projection providing a rearwardly facing abutment surface against which the forward end of the bit rests when the bit is in cutting position in said opening, and said bit receiving opening being of such size and so formed as to permit tilting of the cutter bit therein to release the forward end of the bit from engagement with said abutment surface so that the bit may be withdrawn forwardly from said bit receiving opening past said projection, and means on said chain block lug rearwardly of said lug socket providing a socket separate from said lug socket for receiving the inner end of the cutter bit to position the bit with its inner end resting on said block lug.

2,418,320
METHOD OF FORMING CUTTER BITS

Leon E. Simmons, Claremont, N. H., assignor to Joy Manufacturing Company, a corporation of Pennsylvania

Original application December 24, 1943, Serial No. 515,493. Divided and this application September 11, 1945, Serial No. 615,592

7 Claims. (Cl. 76—101)



1. A method of forming cutter bits from flat bar stock of symmetrical cross section, consisting of cutting parallel slots of equal depth diagonally of the bar stock from the opposite side edges of the latter, said slots being disposed in close adjacency so that their adjacent walls lie in a common plane.

2 418,321
HEAT DISSIPATING MEANS FOR ELECTRON MICROSCOPES

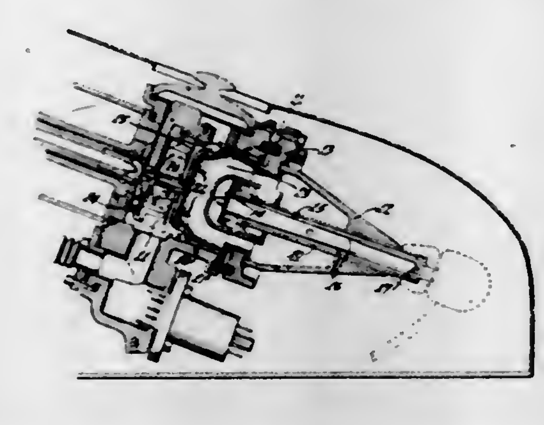
Perry C. Smith, Moorestown, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application December 30, 1944, Serial No. 570,662

7 Claims. (Cl. 250—49.5)

2. In an electron microscope, a unit forming an object chamber, a stage in said chamber, and

an electron gun including cathode and anode electrodes arranged to project an electron beam into said object chamber, said anode being made of copper and mounted in surface contact with said object chamber unit, whereby said stage is subject to low temperature heat.



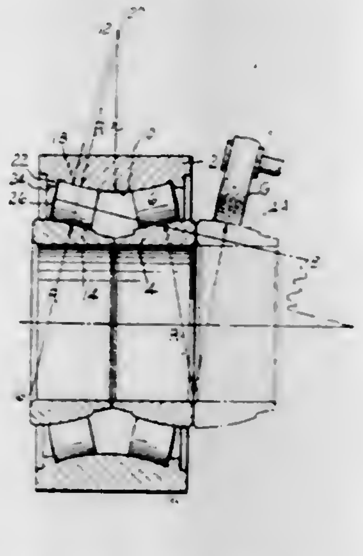
2,418,322

ROLLER BEARING

Attilio R. Spicacci, Bristol, Conn., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application March 16, 1944, Serial No. 526,719

11 Claims. (Cl. 308—213)



1. In a double row roller bearing, two rows of longitudinally concave rollers, a race ring having a single longitudinal convex surface forming raceways for both rows of rollers, said surface being generated by a circular arc revolved about the bearing axis, the center of the arc being outside of the bearing, and a pair of like abutting race rings opposed to the first mentioned race ring and each having a longitudinally convex raceway with its center of curvature in the plane of an end face of the ring.

2,418,323

KNOCKING-OVER BIT CONSTRUCTION

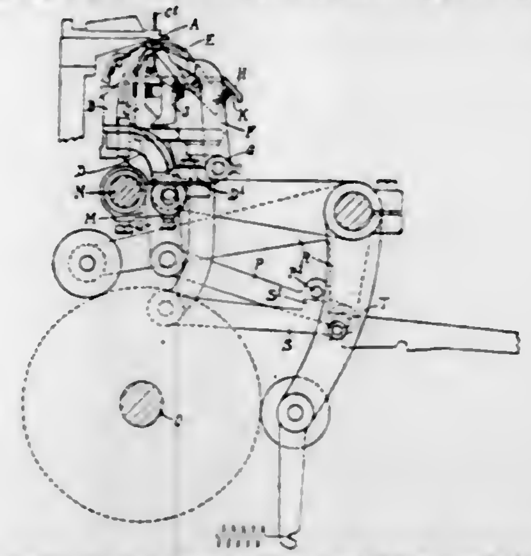
Harry Wilfred Start, Carlton, and Ernest Start, Wilford, England

Application December 19, 1945, Serial No. 635,903

In Great Britain July 31, 1944

5 Claims. (Cl. 66—109)

1. A straight-bar knitting machine in which the knocking-over bits are secured at one end in a bar and have their other ends supported in tricks in a second bar supported by arms the ends of which are pivoted to arms secured to the first bar and held in its operative position relatively to the latter by a disengageable connection.



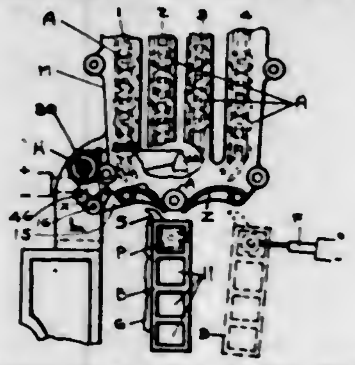
2,418,324

LOOM TRANSFER MECHANISM

Joseph Stuer, Lawrence, Mass.

Application July 30, 1945, Serial No. 607,816

8 Claims. (Cl. 139—243)



1. In a bobbin-changing loom having a stationary frame and a movable lay, a bunter carried by the lay on the magazine side to engage the free end of a dog, a magazine holding two or more bobbins and including devices to hold a full bobbin for transfer, a shuttle box carried by the lay to be in position under the full bobbin holding means, bobbin transfer mechanism including a transfer hammer having an arm to engage said full bobbin and a dog holding arm, a weft feeler, said weft feeler being of the electrically operable type; a dog freely pivoted to the dog holding arm; a stop to check the dog-in bunter engaging position; a dog controlling member carried by and movable with the transfer hammer, said member including spring actuated means to hold the dog out of the path of the bunter; and a solenoid in circuit with and energized by the weft feeler and including an armature and a connection from the armature to the spring actuated means to release the dog when the feeler indicates exhaustion and to allow the free end of the dog to move into the path of the bunter.

2,418,325

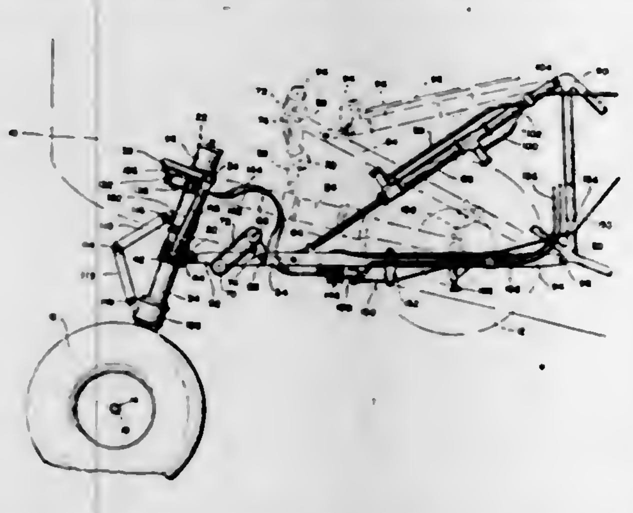
AIRCRAFT LANDING GEAR

John B. Wassall, Burbank, and Wilfred N. Wallace, Glendale, Calif., assignors, by mesne assignments, to Lockheed Aircraft Corporation, a corporation of California

Original application May 21, 1940, Serial No. 336,414. Divided and this application December 6, 1941, Serial No. 421,950

6 Claims. (Cl. 244—50)

3. The combination with a hydraulic power plant for the damping and steering of an aircraft nose wheel including a fluid pressure source, a reversible fluid motor, a selective control valve of the balanced type interposed within fluid conduits operatively interconnecting said fluid motor with said pressure source, a fluid reservoir and a return conduit from said control valve thereto, and normally open passageways operatively associated with said control valve interconnecting the ends of said fluid motor to the return conduit to said fluid reservoir, of a normally closed automatic valve means operable to bleed excess pressure developed by said pressure source through said control valve equally into said passageways, said valve means including a reciprocable valve-carrying member, valve units operatively and resiliently carried at the opposed terminals of said valve carrying member whereby movement of said valve carrying member in one direction permits opening of its leading valve and continued closing of its trailing valve, exhaust valve means operatively connected to said valve-carrying member interposed at the junction of said fluid passageways with the return conduits to said reservoir for the selective closing of either said passageways, and manual control means for said valve means selectively operable to open one unit to place one of said passageways in communication with the said pressure source while the said exhaust valve means operates to block the communication of the same passageway to the return conduit to said reservoir.



2,418,326

PREPARATION OF ARYLIDES OF AROMATIC ORTHOHYDROXY CARBOXYLIC ACIDS

Robert H. Weiss, Plainfield, and Andrews C. Wintringham, Glen Ridge, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application April 27, 1945, Serial No. 590,742

5 Claims. (Cl. 260—560)

1. A method for recovering an arylide of 2-hydroxy-3-naphthoic acid from an anhydrous reaction mixture resulting from the reaction of the hydroxy acid with an aromatic amine in the presence of a condensing agent and an inert organic diluent used in an amount of not more than 12 times the weight of the hydroxy acid used, the arylide having a solubility of not materially more than 1.5 grams per 100 grams of the diluent at room temperature, which method comprises dispersing finely divided, dry alkali metal carbonates throughout the mixture in amounts sufficient to react with all of the acid substances present, filtering not materially above room temperature under anhydrous conditions and washing the filter cake with water.

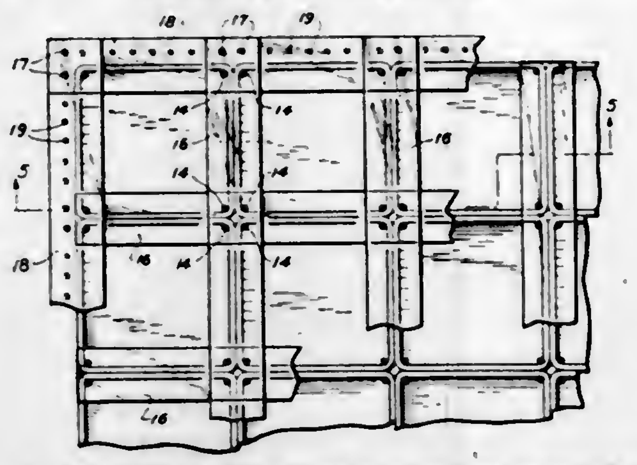
2,418,327

ORNAMENTAL FABRIC FOR HANDBAGS

Daniel D. Whyte, Brooklyn, and Nicholas Klein, Laurelton, N. Y.; said Klein assignor to said Whyte

Application November 28, 1944, Serial No. 565,521

8 Claims. (Cl. 41—10)



4. A flexible decorative structure comprising a number of units of moldable plastic material arranged side by side to form series of longitudinally and transversely extending series of rows, a plurality of flexible strips juxtaposed to portions of the units of adjacent longitudinal and transverse rows, each of said units embodying a plurality of integrally formed spaced projecting elements passing through the flexible strips and having enlarged end portions providing abutments adapted to secure the flexible strips to the units.

2,418,328

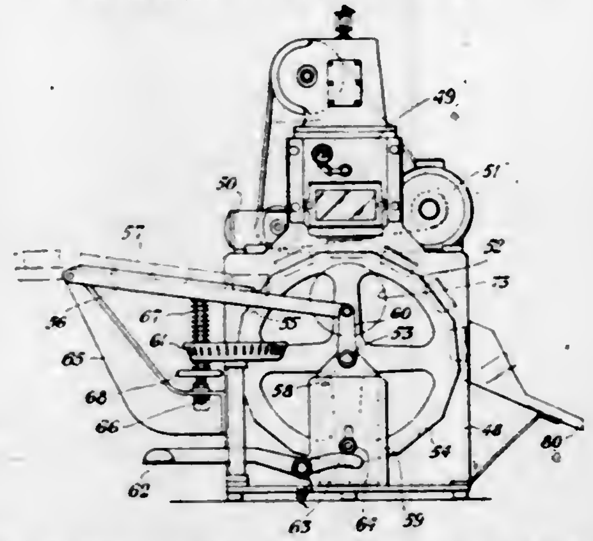
ROTARY AND VERTICALLY MOVABLE DRUM FOR CAN SEALING MACHINES

Robert George Bach, Griffithstown, England, and John Roy Paton, Lisvane, Wales

Application September 21, 1944, Serial No. 555,122

In Great Britain September 30, 1943

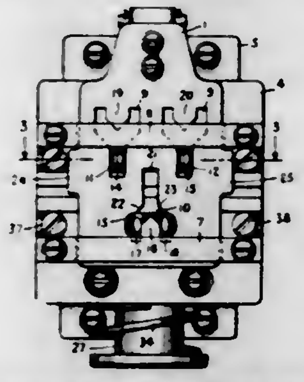
6 Claims. (Cl. 226—82.4)



1. In a vacuum double seamer for exhausting and seaming cans, the combination comprising a base forming a vacuum reservoir, a vacuum seaming mechanism, a vacuum pump, a multifaced drum rotatably supported by said base, each face of said drum being provided with means for receiving a filled and loosely lidded can, manually operable means for raising said drum so as to present a can on a face thereof to said seaming mechanism, a motor for driving said pump and operating said seaming mechanism, and means controlled by said motor for preventing the raising of said drum by said manually operable means until said seaming mechanism is in position to properly engage the can for the seaming operation.

2,418,329
SWITCH

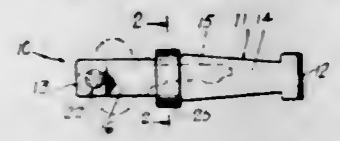
Carl E. Bazley, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application August 28, 1944, Serial No. 551,484
3 Claims. (Cl. 200—165)



1. A shockproof switch comprising a support, a member made of electrically insulating material slidably mounted on said support and having an aperture provided with a first portion having opposite side walls substantially parallel with the direction of movement of said member, a pointed projection on a side wall of said aperture opposite said first portion dividing said aperture into two narrow portions, each having parallel side walls extending in the direction of movement of said member, opposite side walls for said aperture joining said first portion with said narrow portions extending obliquely with respect to the direction of movement of said member, and two switch arms extending through said aperture secured in closely spaced relation with respect to each other by said parallel side walls of said first portion when said member is in a first predetermined position, said switch arms when said member is moved to a second predetermined position being separated by said projection and secured in said narrow aperture portions, and said switch arms when said member is moved from said second position to said first position being guided by said obliquely extending side walls into said first aperture portion.

2,418,330
KEY HOLDER

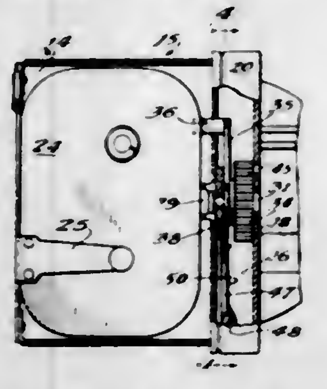
Benjamin Black, Bronx, N. Y.
Application November 14, 1945, Serial No. 628,411
4 Claims. (Cl. 70—456)



1. A key holder, including a U-shaped member having a pin on one end of the arms interconnecting the same and being transverse thereto, said pin being releasable to engage in the hole of a key for mounting the same between said arms with the keys being swingable into retained position in which the keys lie substantially entirely between the arms, a ring-like element transverse to the arms and embracing the same, said element being slidable along the arms toward the ends thereof but in spaced relation thereto for embracing the keys in their retained position, and said element being movable toward the bight of the member for releasing the keys to permit the same to be outwardly swung into operative position, and means interengaging the member and element to hold the latter in the key retaining position, one of the member and element parts being resilient and cooperating with said means for yieldingly holding the latter in the key retaining position, whereby said means is released by forcibly moving the same toward the bight.

2,418,331
MAGAZINE HOLDER FOR MOTION-PICTURE CAMERAS

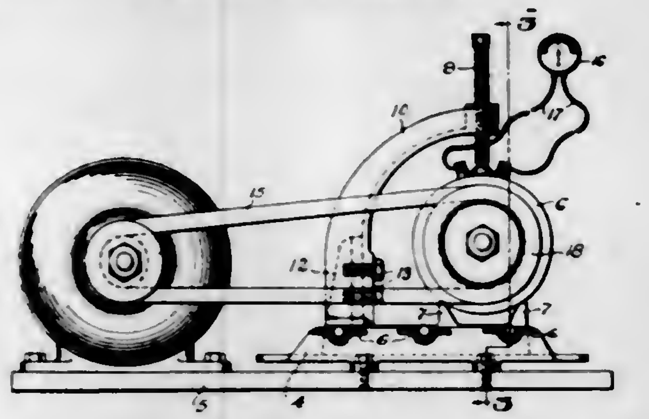
Theodore S. Briskin and Joseph Golick, Chicago, Ill., assignors to Revere Camera Company, Chicago, Ill., a corporation of Delaware
Application February 15, 1945, Serial No. 577,970
9 Claims. (Cl. 88—17)



1. A magazine holder having a magazine supporting wall and a latch for locking the magazine holder in operative position with respect to a camera, comprising a rotatable member for actuating said latch, magazine ejecting means provided with a portion disposed along said magazine supporting wall and underlying a magazine disposed therein, and lost motion means carried by said rotatable member for engaging said ejecting means to operate the same when said rotatable member is rotated into unlatched position.

2,418,332
GENERATOR TESTING STAND

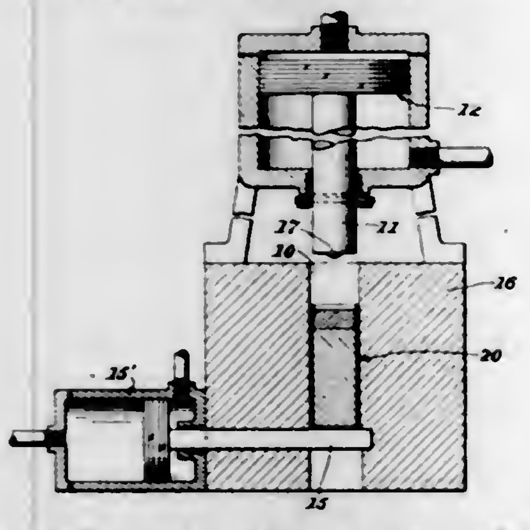
Allen Burrows, Providence, R. I.
Application March 25, 1944, Serial No. 528,141
1 Claim. (Cl. 248—23)



A testing stand for an electric generator, comprising a base, a slide having a horizontal platelike body, the opposite longitudinal edges of which are inclined downwardly, said body being provided with two parallel transverse ribs extending upwardly and spaced apart to support the generator on and between them, two removable parallel rails on said base extending at right angles to said ribs and on which said slide is mounted for adjustment lengthwise of the rails, said rails having inwardly inclined flanges providing grooves in which said downwardly inclined longitudinal edges of said slide are mounted to run, screw-threaded means mounted in one of said flanges for locking said slide against movement along said rails, a bracket integral with said slide body and projecting upwardly from the rear portion thereof, an arm having its lower portion embracing said bracket and its upper portion projecting laterally to overhang the position occupied by a generator supported on said slide, a bolted connection between the lower portion of said arm and said bracket, said bolted connection being so constructed and arranged as to permit vertical adjustment of said arm on said bracket, said arm being removable from said bracket, and a hand screw threaded through the overhanging part of said arm with its axis intersecting said slide midway between said ribs, the screw being positioned to clamp the generator in its operative position on said slide.

2,418,333
METHOD FOR THE MANUFACTURE OF HEATING CARTRIDGES

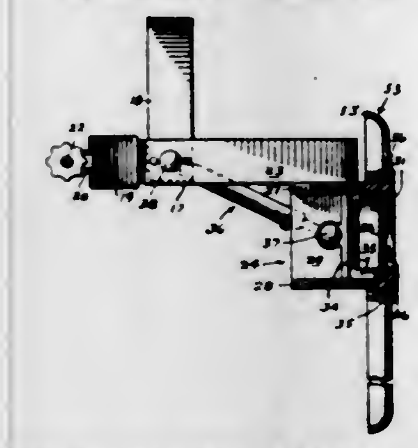
Walter Anderson Caldwell, West Kilbride, and Donald George Ashcroft, Saltcoats, Scotland, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
Application April 10, 1944, Serial No. 530,410
In Great Britain March 15, 1943
5 Claims. (Cl. 86—20)



1. The method of making a chemical heating cartridge, which comprises supporting one end and the side walls of a tubular envelope of deformable material against deformation, substantially filling the envelope with a pulverant heating composition, applying endwise compacting pressure to the composition from the open end of the envelope, decreasing but not completely relieving the pressure, removing the end support for the envelope, and then increasing the compacting pressure to discharge the envelope and the compacted composition from the side wall support.

2,418,334
PROTECTIVE MASK

John Coccellato, San Francisco, Calif.
Application June 23, 1943, Serial No. 491,900
5 Claims. (Cl. 2—8)



1. In a protective mask, a head-piece, a goggles arranged for its use positioning in seated engagement with the face of the wearer of the head-piece in a line about the eyes, and a tension linkage swingably mounting the goggles on the head-piece, said linkage comprising pairs of mutually engaged and relatively movable elements extending from pivot connections with the head-piece and with the goggles at corresponding opposite points thereof, and a spring means reactive directly between the elements of each pair of like elements to constantly and yieldingly urge the movement of the pivot points on the goggles toward the corresponding pivot points on the head-piece.

2,418,335
REARVIEW MIRROR

William H. Colbert, Brackenridge, Pa., and Willard L. Morgan, Columbus, Ohio, assignors, by mesne assignments, to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application January 25, 1943, Serial No. 473,472
2 Claims. (Cl. 88—77)

1. A non-glare mirror of the second surface type, comprising a glass support having its second surface provided with a partially transparent reflective film of lead sulfide which gives the mirror as a whole a reflectivity of 18 to 22%, and a supporting frame for said mirror having its inner surface opposite said reflective film provided with a layer of light-absorbing material.

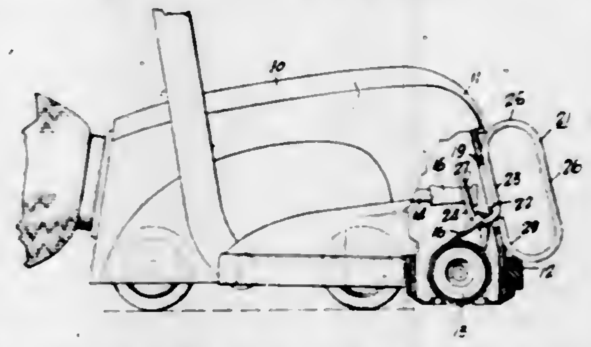
2,418,336
TRIAZINE DERIVATIVES

Gaetano F. D'Alelio and James W. Underwood, Pittsfield, Mass., assignors to General Electric Company, a corporation of New York
No Drawing. Application August 19, 1942, Serial No. 455,357
1 Claim. (Cl. 260—249.5)

The method of preparing acetylhydrazino diamino s-triazine which comprises effecting reaction in liquid state and in the absence of applied heat between hydrazino diamino s-triazine and acetic anhydride in approximately equimolecular proportions, allowing the reaction mass to remain undisturbed at room temperature and isolating and purifying the precipitate comprising acetylhydrazino diamino s-triazine.

2,418,337
BELT LIFTER

Arthur A. Davis, Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 6, 1941, Serial No. 421,925
3 Claims. (Cl. 74—242.7)



1. A tool for placing an endless belt on a pulley, said tool being fashioned from a length of wire

to provide a substantially U-shaped hook having one leg and a bight portion in substantially the same plane, said one leg of said hook being extended to provide a loop or handle disposed remote from the other leg, said loop terminating in a portion extending substantially in line with said one leg on the side of the bight portion opposite from said one leg. and an end portion of the other leg being bent at an acute angle to the plane including said one leg and the bight of said hook.

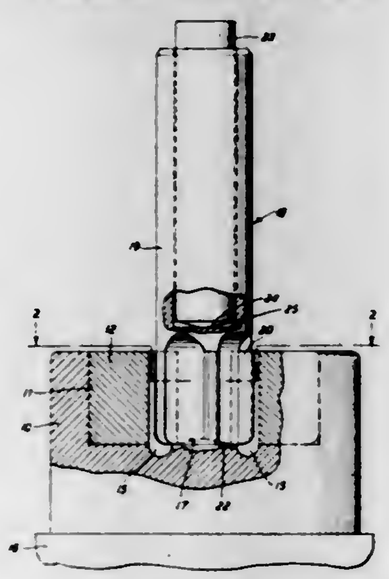
2,418,338

METHOD OF AND APPARATUS FOR TREATING TOOLS

John Dworkowski, Elizabeth, and James E. Quigley, Fanwood, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application June 17, 1944, Serial No. 540,874

1 Claim. (Cl. 76—101)



The method of reconditioning a tool having an elongate soft metal body supporting radially projecting hard metal or metallic carbide cutting members, with cutting edges, brazed in spaced recesses in the body parallel with the axis of the body, the method comprising applying a force axially of the body to cause an outward flow of the soft metal thereof adjacent the cutting members radially of the axis of the body to increase the cutting portion of the tool beyond its original size for subsequent grinding of the cutting members to sharpen the tool to its original size, holding areas of the body between the cutting members against outward radial flowing of the soft metal, and directing the flow of the soft metal supporting the cutting members outwardly uniformly to force the cutting members radially outwardly like distances.

2,418,339

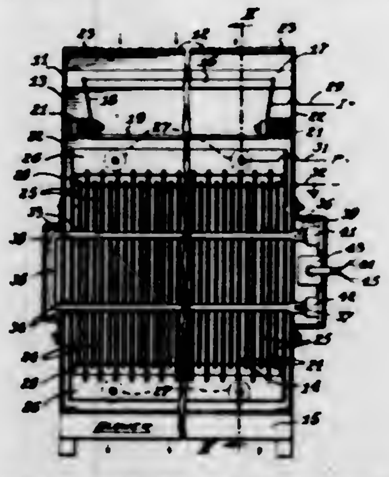
GAS PURIFIER AND STERILIZER

Karl Ehrgott, Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application February 28, 1942, Serial No. 432,779

3 Claims. (Cl. 183—7)

1. A gas purifying and sterilizing device comprising an ionizing chamber, a precipitating chamber, means for causing gas to flow successively through first said ionizing chamber and then said precipitating chamber, said precipitating chamber consisting of a series of closely disposed, spaced plates, alternate ones of which are at a potential different from that of the ionization of the flowing gas, so as to attract solid particles in the gas passing therethrough, and means disposed in said precipitating chamber for generating ultraviolet radiations of a bactericidal character, said means including an elongated ultraviolet transmitting envelope, said plates being apertured and said envelope passing through said apertures so as to extend substantially perpendicular to the planes of said plates, in order to direct radiation on the plate surfaces to maintain the same in sterile condition, as well as sterilize the gas flowing therebetween.



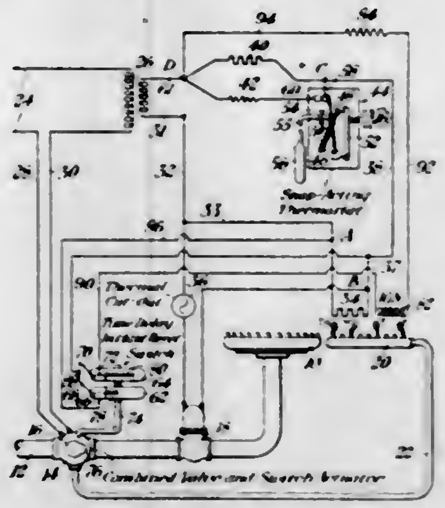
2,418,340

AUTOMATIC TEMPERATURE REGULATING APPARATUS

Samuel G. Eskin, Los Angeles, Calif., and Charles K. Strobel, Pittsburgh, Pa., assignors to Robertshaw Thermostat Company, Youngwood, Pa., a corporation of Pennsylvania.

Application April 13, 1944, Serial No. 530,902

12 Claims. (Cl. 158—117.1)



1. In apparatus of the character described having main and pilot burners, the combination of an electrically operable device for controlling supply of fuel to the main burner, said fuel supply being contingent upon current of a predetermined minimum value being supplied to said device, a source of current supply for said device, thermal resistance means connected to said source and said device and exposed to the heat of a flame at the pilot burner for varying in resistance and causing variations in the current value to said device in response to said flame, resistance means cooperable with said thermal resistance means for varying the total circuit resistance and causing said current value to fall below said minimum, means for rendering said resistance means effective after a predetermined period if said thermal resistance means has not become heated, and means responsive to a variable caused by operation of the main burner for rendering said resistance means effective after said period irrespective of the heated condition of said thermal resistance means.

2,418,341

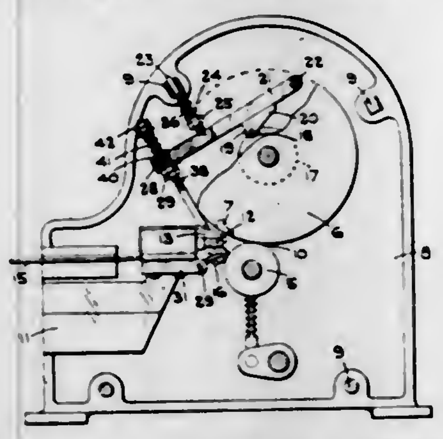
DUPLICATING MACHINE

Frank Ronald Ford, Sparkbrook, Birmingham, England

Application June 15, 1944, Serial No. 540,483

In Great Britain March 17, 1943

1 Claim. (Cl. 101—132.5)



A duplicating machine comprising a rigid frame, an impression cylinder rotatably mounted in said frame, means for securing one edge of a master sheet to said cylinder, a pressure roller adapted to bring copy sheets into contact with the master sheet on said cylinder, a stationary moistening pad, means for supplying liquid to said pad, a damping bar between which and said pad said copy sheets pass before reaching the nip between said cylinder and said pressure roller, said damping bar being movable into and out of a position in which it presses said copy sheets against said pad, a disc arranged to rotate with said cylinder and disposed at one end thereof, a lever pivoted to said frame, a spring pressing said lever towards the periphery of said disc, a roller carried by said lever, said roller contacting the periphery of said disc and adapted at each revolution of the latter to enter a notch therein so as to check the rotation of said cylinder without forming a positive stop, said lever being oscillated by movement of said roller into and out of said notch, a lateral projection on said damping bar, a link having a hooked end thereof engaged with said projection and the other end passed through a hole in said lever, the opening in said hooked end being L shaped to permit application of both a push and a pull to said damping bar, spaced adjustable abutments on said link at opposite sides of said lever, said lever acting on one of said abutments so as to positively separate said damping bar from said pad when said roller enters said notch to permit a fresh copy sheet to be fed into the machine and a light spring interposed between said lever and the other of said abutments, said lever after resuming its normal position on further rotation of said cylinder producing adjustable resilient pressure contact between said damping bar and said pad through the medium of said light spring.

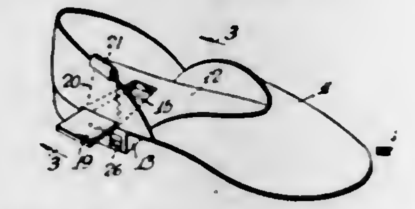
2,418,342

FOOTWEAR

Hyman Freedman, New York, N. Y.

Application June 7, 1945. Serial No. 598,016

6 Claims. (Cl. 36—1)



1. In a slipper, a flexible anchoring flap, movable to extend laterally from the inner side of said slipper for engagement with a support, and means to retain said flap in an inoperative position against said side of the slipper.

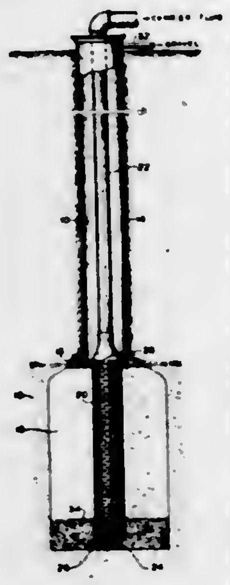
2,418,343

GRAVELING OF WELLS

John Elmer Garol, Los Angeles, Calif., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

Application July 30, 1943, Serial No. 496,714

4 Claims. (Cl. 166—1)



1. A well screen for use in a well being gravel packed comprising a pipe member provided with recesses extending radially into the pipe wall from the outer surface and terminating just short of the inner surface of the wall so as to leave a thin shell of the metal of the wall at the inner end of each recess.

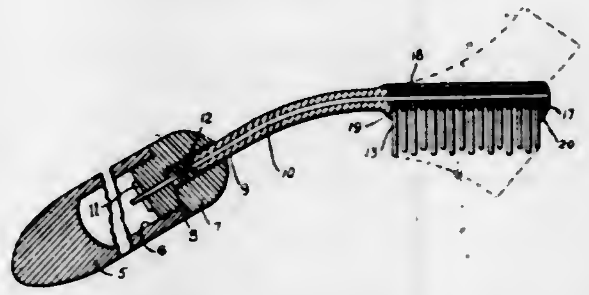
2,418,344

TOOTHBRUSH

Abraham A. Goldberg, Norfolk, Va.

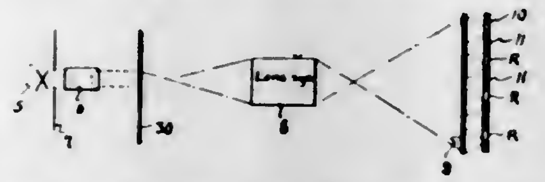
Application January 12, 1945, Serial No. 572,469

3 Claims. (Cl. 15—187)



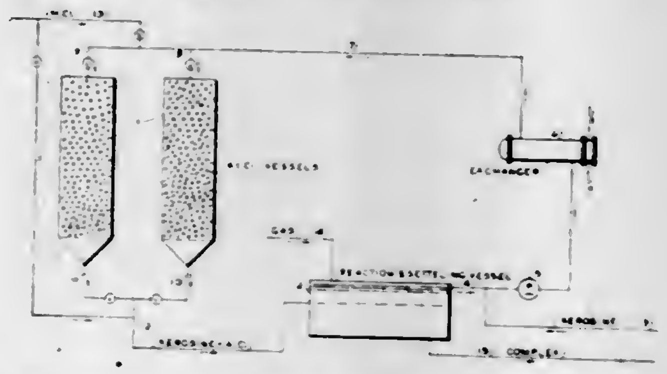
1. A tooth brush comprising a flat rigid tube, a flat leaf spring slidably mounted in the tube and projecting from each end of the tube, a head on the outer end of the spring, a plurality of flat plastic segments having teeth formed at one edge and provided with an opening adjacent an opposite edge for loosely mounting on the outer end of the spring with the segments positioned face to face with each other, a handle slidably receiving the inner end of the tube and leaf spring, a pin transversely of the inner end of the leaf spring to anchor the latter in the handle, and a coil spring on the inner end of the leaf spring and exerting its influence against the inner end of the tube to compress the segments between the head and the outer end of the tube.

2,418,345
PHOTOGRAPHY IN ADDITIVE COLOR BY THE CONTROLLED UTILIZATION OF CHROMATIC ABERRATIONS IN LENSES
Samuel B. Grimson, New York, N. Y., assignor to Color Research Corporation, New York, N. Y., a corporation of Delaware
Application March 3, 1944, Serial No. 524,860
1 Claim. (Cl. 88—24)



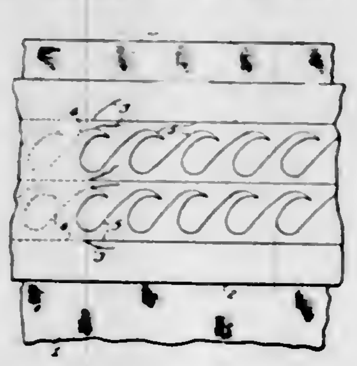
A method of reproducing an original scene in colors from a plain base film having a black and white photographic image of that scene in the form of contiguous repeating series of line color values, which comprises uniformly illuminating said image with white light, projecting that image by means of a lens onto the emulsion side of a lenticulated film and spacing the lenticulated film and the lens in relation to the plain base film until each series of color values of the image covers the space of one lenticule whereupon the entire image in original colors appears when viewed from the lenticulated side.

2,418,346
PREPARATION OF METALLIC HALIDE-HYDROCARBON COMPLEX CATALYST
Gilbert F. Gruenke, Port Arthur, Tex., assignor to The Texas Company, New York 17, N. Y., a corporation of Delaware
Application May 10, 1944, Serial No. 535,001
2 Claims. (Cl. 252—254)



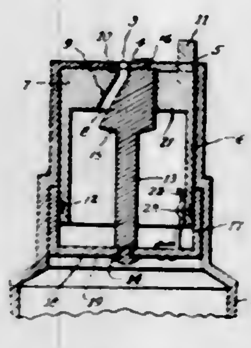
2. A method of preparing an active metallic halide-hydrocarbon complex liquid catalyst, which comprises maintaining a stationary mass of solid metallic halide in a contact zone, passing a stream consisting essentially of normally liquid non-aromatic hydrocarbon in liquid phase through the contact zone in contact with said solid metallic halide, effecting said contact at elevated temperatures within the range of about 150 to 250° F. while restricting the hydrocarbon to a contact time of about 1 to 5 minutes in said zone to form a solution of the metallic halide in said hydrocarbon without substantial complex formation, passing the resultant stream of hydrocarbon containing dissolved metallic halide, together with added hydrogen halide, into an intermediate portion of an unpacked reaction zone, maintaining the said solution in said latter zone in contact with hydrogen halide at said elevated temperature for at least about 30 minutes under comparatively quiescent conditions, whereby substantially all the metallic halide in solution in said hydrocarbon enters into complex formation with said hydrocarbon and the resulting complex liquid settles to the bottom of said latter zone while a hydrocarbon phase substantially free of complex is formed in an upper portion of said latter zone, withdrawing a stream of active metallic halide-hydrocarbon complex liquid from the lower portion of said latter zone as a final product of the process, withdrawing a stream of the hydrocarbon phase substantially free of complex from an upper portion of said latter zone substantially above the level of the intermediate portion into which the stream of hydrocarbon containing dissolved metallic halide is introduced, and recycling said withdrawn stream of hydrocarbon phase directly through a heater and thence to said contact zone.

2,418,347
PROCESS FOR PRODUCING GATHERINGS
Oscar Haag, Kusnacht, Switzerland
Application November 6, 1943, Serial No. 509,180
In Switzerland September 18, 1942
2 Claims. (Cl. 2—243)



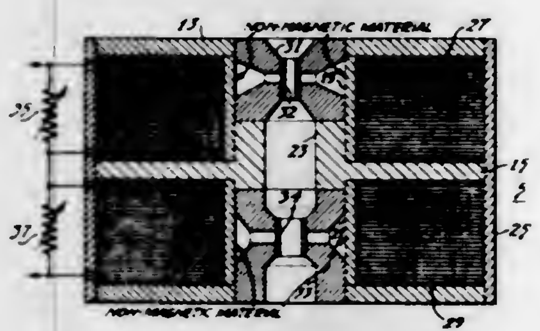
1. A method of producing gatherings or ruchings on woven or knitted fabrics by means of an elastic thread applied under tension, including the steps of attaching by sewing to the fabric a flat rigid sheet of a destructible material, attaching said elastic thread while under tension to said fabric by sewing through said rigid sheet, which latter sheet is of sufficient rigidity to keep the fabric in a flat untensioned condition, and then removing by tearing the rigid sheet from the fabric, whereby the elastic thread is released from tension to gather the fabric.

2,418,348
DISPENSING VALVE FOR SQUEEZE TUBE CONTAINERS
Martin Hermann, Lakewood, Ohio
Application March 29, 1946, Serial No. 658,069
1 Claim. (Cl. 222—493)



A squeeze tube container, comprising, in combination a tube body of compressible material, a cap connected to the tube body having an egress in the top wall of the cap, and also having therein a bore to receive a dowel, and a through bore, a non-rotatable axially slidable valve member having a top wall having therein a through opening circumscribed by vertical sides and an inclined side, and also having an upstanding member adapted to pass through the through opening provided therefor in the top wall of the cap, a pedestal foundation member having a transverse member therein and an upstanding skirt therearound, a leaf spring of L shaped configuration mounted on and connected to the transverse member, the non-rotatable axially slidable valve member being mounted in and having its lower end portion circumscribed by the upstanding skirt of the pedestal foundation member, a fluid tight seal member in the non-rotatable axially movable valve member and circumscribed by the upstanding skirt on the pedestal foundation member, a pedestal member mounted on and connected to the transverse member and terminating in an enlarged head portion and provided with complementary walls which cooperate with the walls in the through opening in the top wall of the non-rotatable axially movable valve member, and also being provided with a dowel to engage in the bore provided therefor in the top wall of the cap, and a protuberance on the inner wall of the valve adapted to cooperate with the leaf spring to lock the valve when manually closed.

2,418,349
METHOD OF AND MEANS FOR CORRECTING FOR DISTORTION IN ELECTRON LENS SYSTEMS
James Hillier, Cranbury, and Richard F. Baker, Princeton, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application December 13, 1945, Serial No. 634,818
10 Claims. (Cl. 250—49.5)



9. An electron lens system including, in combination, a pair of electron lenses, an image screen, means for energizing said lenses to focus an electron beam passing therethrough, the plane of one of said lenses being disposed substantially at the focus of the other of said lenses, the focal length of said one lens being substantially equal to

$$\frac{d_1(d-d_1)}{d\left[1+\frac{k_2}{k_1}\,\frac{\epsilon^3_{\max}}{1-\epsilon_{\max}}\right]}$$

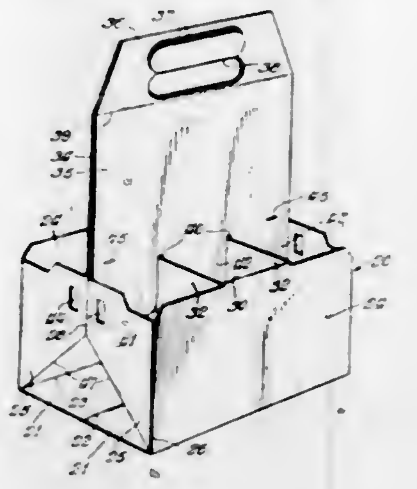
$$\frac{k_1r_1^2}{1-k_1r_1^2}$$

where d is the distance between the planes of said lenses, d_2 is the distance from the plane of said one lens to said screen, k_1 and k_2 are constants depending upon the lens aperture radial dimensions, and $\epsilon_{\max}$ is equal to

$$\frac{k_1r_1^2}{1-k_1r_1}$$

for the maximum value of r_1 where r_1 is the aperture radius of the other of said lenses, and means including said energizing means for controlling the energization of said lenses whereby the aforementioned relation is established and the distortion of said lenses is substantially neutralized.

2,418,350
CARRIER FOR BOTTLES AND THE LIKE
Mitchel E. Holy, Philadelphia, Pa., assignor to Container Corporation of America, Chicago, Ill., a corporation of Delaware
Application August 21, 1941, Serial No. 407,713
5 Claims. (Cl. 229—52)

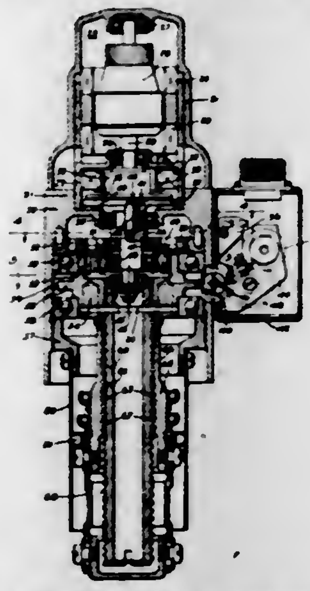


1. A collapsible carrier formed of foldable sheet material comprising an article-carrying compartment including a base panel, two side panels hingedly joined to opposite sides of said base panel, a partition-forming strip hingedly joined at its central section to the central part of the upper edge of each of said side panels, whereby said strip is adapted to be folded down to lie against the inner surface of its associated side panel, each of said partition-forming strips having two cross-partition sections immediately adjoining opposite sides of said central section adapted to be folded and extended approximately halfway across said compartment, and sections immediately adjoining said cross-partition sections adapted to be folded to form partial longitudinal sections, and end panels hingedly joined to each end of each of said side wall panels adapted to extend substantially halfway across the end of said compartment, said end panels having flaps extending from the edges thereof opposite to said side wall panels; a separate handle portion including two panels hingedly joined along a fold which is upwardly disposed when said carrier is in use; and means for securing said partial longitudinal sections and said flaps to the lower part of said handle panels.

2,418,351
ACTUATOR CONTROL
George W. Jackson, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 14, 1945, Serial No. 582,771
16 Claims. (Cl. 192—142)

1. In combination with a prime mover capable of operating in opposite directions, of a movable member operated thereby; a unitary device for controlling the operation of the prime mover in accordance with the movements of the movable member, said device comprising a pair of control members each operative to control the operation of the prime mover in a respective direction, a separate actuator for each control member; and a train of reduction gearing for driving said actuators, said gearing being connectible with the movable member so as to be driven thereby and comprising a connecting gear, an intermediate gear, a gear attached to each actuator, and a single tooth gear secured to each side of the

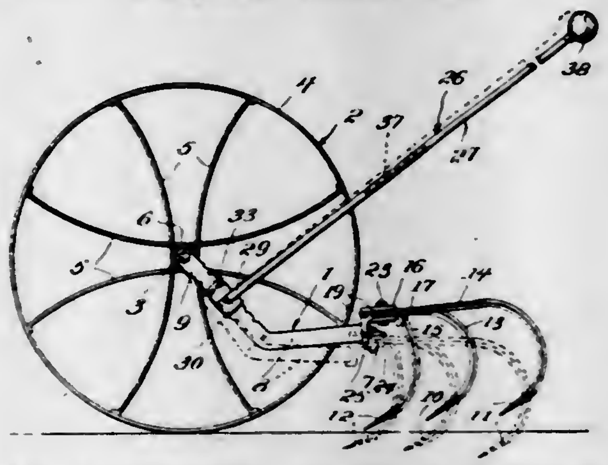
intermediate gear, each single tooth gear being operative once in each revolution to engage and operate a gear attached to a respective actuator, to rotate said actuator a portion of a revolution.



2,418,352

ADJUSTABLE WHEELED CULTIVATOR

Charles M. Kearns, Beavertown, Pa.
Application June 14, 1944, Serial No. 540,341
5 Claims. (Cl. 97—59)



1. An agricultural implement comprising a wheel, a blade carrying member having forwardly directed arms pivoted to the axle of the wheel, members mounted on the arms for adjustment thereon forwardly or rearwardly with relation to the pivot of the arms, means for securing said members in adjusted position on the arms, and a handle having bars, said bars bifurcated at their lower ends and connected to said members.

2,418,353

PROCESS OF MAKING CLOSURE CAPS

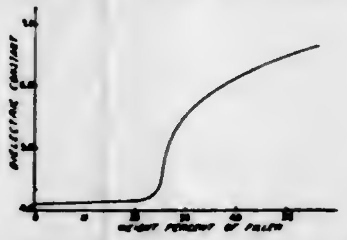
William J. Keith, Brookline, Mass., assignor to Keith-Peabody, Inc., Brookline, Mass., a corporation of Massachusetts
Application October 13, 1943, Serial No. 506,096
6 Claims. (Cl. 93—36)

1. A process of making closure caps comprising forming a shell of relatively thin paper, with a top wall portion and a surrounding wall thereon, impressing a thread groove in the periphery of said wall, surrounding said wall with a second wall portion of relatively thin paper material, and thereafter impressing a thread groove in said second portion and into the first-mentioned thread groove.

2,418,354

DIELECTRIC SHEET MATERIAL

Edward A. Kern and Harry F. Miller, Pittsfield, Mass., assignors to General Electric Company, a corporation of New York
Application November 26, 1943, Serial No. 511,778
4 Claims. (Cl. 117—155)

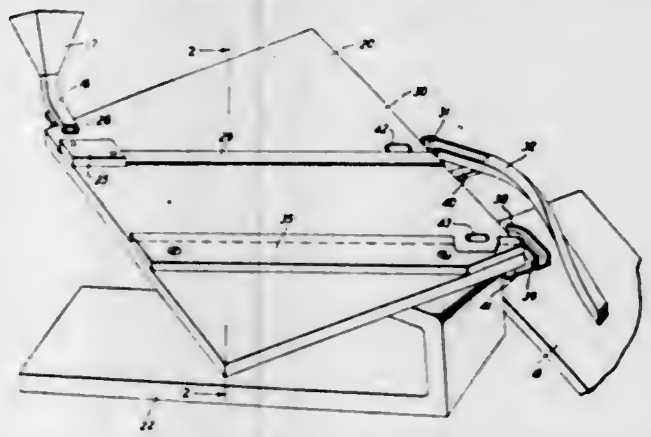


1. A dielectric material including wood fiber paper loaded with barium strontium titanate powder to at least about 20 per cent by weight of the weight of the sheet and loading powder, and a coating of resinous material.

2,418,355

ORIENTING APPARATUS FOR ARTICLES HAVING ROUNDED SURFACES

William A. Kirsch, Jersey City, N. J., and John H. Sulzer, New York, N. Y., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York.
Application June 16, 1944, Serial No. 540,718
2 Claims. (Cl. 209—72)



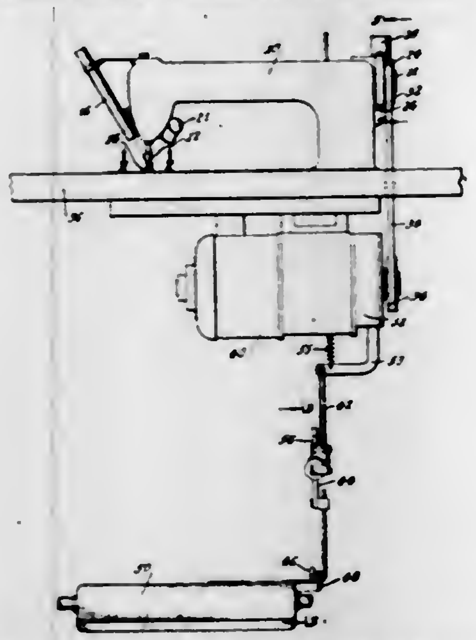
1. An apparatus for orienting articles, each having a surface with a rounded edge, the apparatus comprising a stationary table, means to feed the articles successively to the upper surface of the table, means to support the table with its upper surface slanting in a given direction to cause the articles to move downwardly thereon, a separating member of a given uniform thickness fixedly mounted upon the table and slanting downwardly longitudinally in a direction transversely of the given direction of slant of the table to direct the articles, with their round edge surfaces extending upwardly, off the table separate from the other articles, the latter sliding over the said member in their movement down the table, and means for use in varying the position of the table relative to the supporting means to vary the degree of slant of the said member without varying the degree of slant of the table to vary the speed of travel of the articles relative thereto.

2,418,356

SAFETY CONTROL DEVICE FOR ELECTRICALLY OPERATED MACHINES

Jackson O. Kleber, Long Island City, N. Y.
Application July 1, 1944, Serial No. 543,127
3 Claims. (Cl. 112—219)

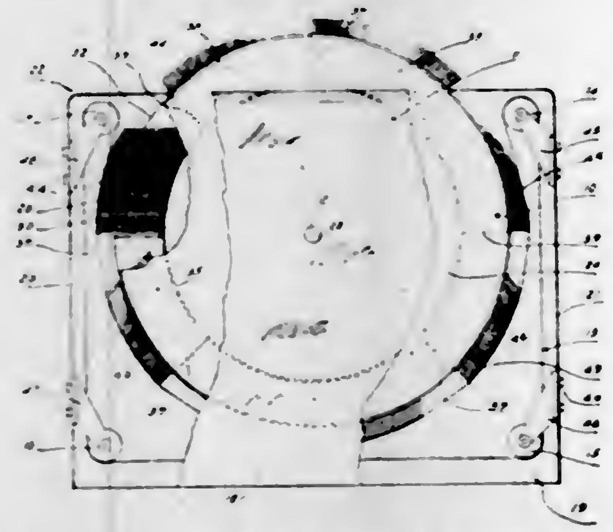
1. Safety apparatus for immediately stopping electrically driven sewing machines when the operator's fingers approach the needle, said apparatus being adapted for machines of the type having a vertically reciprocating needle and accompanying presser foot beneath which the work is fed, said apparatus comprising means for directing a beam of light downwardly onto the upper surface of the presser foot in front of the needle and in a position for reflection at a relatively sharp angle from said surface upwardly, a photoelectric cell positions substantially above the presser foot to receive the reflected beam, an electromagnetically operated brake for stopping the main shaft of the machine, an electromagnetically operated clutch for disconnecting the drive motor, and electric circuit and relay means operative under the control of said photoelectric cell to immediately operate said brake and clutch responsive to obstruction of said reflected light beam.



2,418,357

ROTARY CARD FILING DEVICE

Emil E. Knittel, Malverne, N. Y.
Application November 22, 1944, Serial No. 564,563
9 Claims. (Cl. 45—3)



9. A rotary card filing device which comprises a drum of generally cylindrical shape, a frame, means mounting said drum on said frame for rotation of said drum about its axis, radially extending members positioned circumferentially on said drum providing a recess, a plurality of partition members in said recess spaced about said drum forming a plurality of compartments on said drum within which to file cards, a movable endless belt, means mounting said endless belt with one of its runs extending beneath the drum and adjacent compartments formed by said partition members.

2,418,358

LUBRICATING OIL

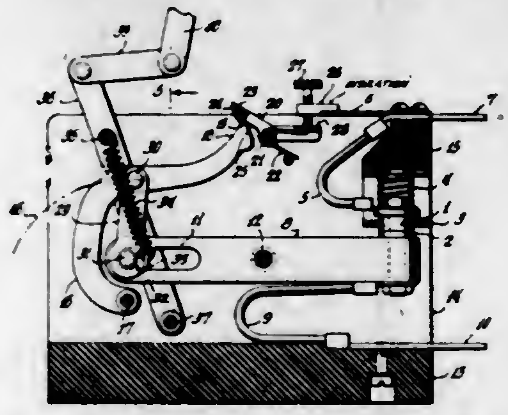
Bert H. Lincoln and Gordon D. Byrkit, Ponca City, Okla., assignors to Continental Oil Company, Ponca City, Okla., a corporation of Delaware
No Drawing. Application November 21, 1941, Serial No. 419,990
4 Claims. (Cl. 252—48.6)

1. A lubricant comprising in combination a major proportion of hydrocarbon oil and a minor proportion, sufficient to stabilize the oil against formation of corrosive oxidation products or sludge forming compounds, of a boron compound selected from the class consisting of compounds having the general formulas R_2BOR' and $RB(OR')_2$ in which R and R′ are organic radicals, at least one of which contains a carboxylic ester group.

2,418,359

SWITCH CONSTRUCTION

Edwin A. Link, South Milwaukee, Wis., assignor to Line Material Company, South Milwaukee, Wis., a corporation of Delaware.
Application May 8, 1943, Serial No. 486,140
11 Claims. (Cl. 200—116)



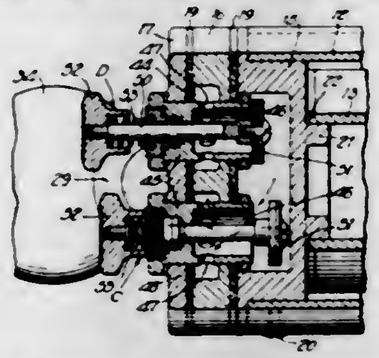
1. A circuit breaker comprising switch means and switch operating means for opening and closing the switch means, a pivoted carrier, an actuator having one end pivoted to said carrier and having a free end slidably engaging said switch operating means, movable main operating means, over center spring means operatively connecting said main operating means to a point on said actuator spaced laterally from the effective axis of said acuator in a direction away from the point about which said carrier is pivoted, said actuator constituting a bell crank lever biasing said carrier towards motion due to the bell crank action of said actuator, and condition responsive means normally restraining said carrier against motion and releasing said carrier upon the occurrence of a predetermined condition, said carrier when said circuit breaker is closed and when said carrier is released moving the pivot point of said actuator across the line of pull of said spring means.

2,418,360

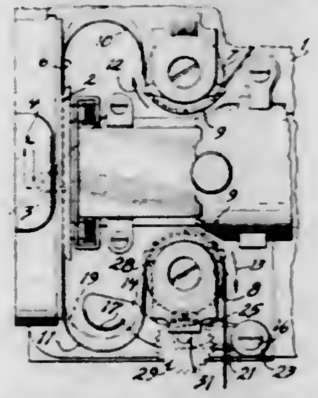
DISHWASHER

Thomas M. Matlack and George D. Hutchinson, Jamesburg, N. J.
Application October 7, 1943, Serial No. 505,296
1 Claim. (Cl. 251—135)

In a water spray device having a cylindrical casing open at one end, an end closure fixed to the open end of the casing, a water chamber provided in said end closure, a water passage leading from the water chamber to the casing, a push valve arranged in said water passage having a slidable valve actuating member disposed parallel to the axis of the casing and extending beyond the outer side of the end closure, and a hand grip member fixed to the end closure and extending at an angle relative to the axis of the cylindrical casing and having its inner end disposed adjacent the valve actuating member to enable pressing of the valve actuating member by the thumb of the hand of a user when grasping the hand grip member.



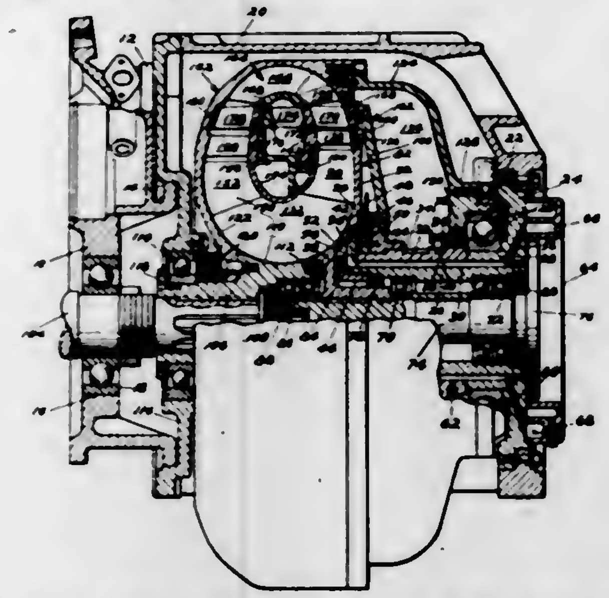
2,418,361
MOTION-PICTURE MACHINE
Louis A. McNabb, Glenview, Ill., assignor to The Bell & Howell Company, Chicago, Ill., a corporation of Illinois
Application February 28, 1945, Serial No. 580,105
10 Claims. (Cl. 88—18.4)



1. In a motion picture machine, the combination with an intermittent film feeding device and a rotatable constant film feeding sprocket operative on feed perforations of a film strip and said sprocket being operative to take up the strip from said intermittent feeding device through a compensating loop of the strip, of a reciprocable loop expanding member operative interiorly of said loop to expand the same and normally positioned in non-interfering relation with normal contraction of said loop, and actuating means operative, responsive to abnormal contraction of said loop, to reciprocate said expanding member to restore said loop to normal condition and comprising rotatable driving and driven members of surface of revolution character and of which the driving member is connected for rotation with said sprocket and of which the driven member comprises a cam disposed for driven camming engagement with said driving member and bodily reciprocable in a path having normal relation with the portion thereof opposing said driving member and operatively connected with said expanding member for reciprocation therewith.

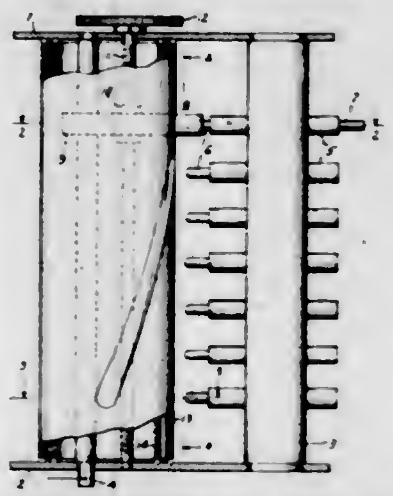
2,418,362
FLUID TORQUE CONVERTER
Raymond J. Miller, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Application July 26, 1943, Serial No. 496,195
5 Claims. (Cl. 60—54)

1. A blade wheel comprising inner and outer shrouds each curved in the direction of flow through the wheel, spaced vanes between the shrouds each curved in a direction extending from one shroud to the other and having a streamline contour and a graduated thickness increasing from the inner shroud to the outer shroud providing a low lift at the inner shroud and a high lift at the outer shroud, and a constant pitch angle.



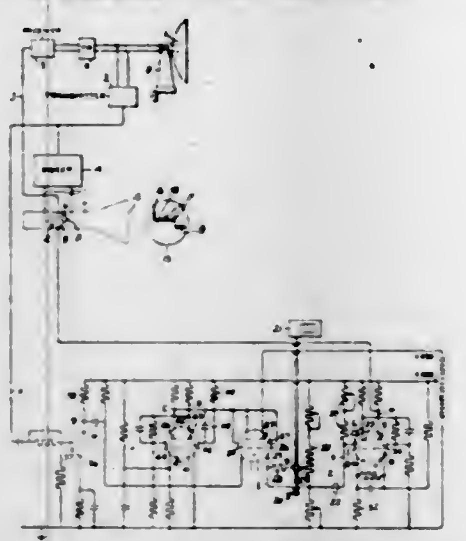
3. In a fluid transmission of the type having a toroidal channel, wheels each including inner and outer shrouds, fluid energizing vanes between the inner and outer shrouds of one of the wheels, and vanes for receiving energy from the fluid between the inner and outer shrouds of the other wheels, each of the vanes having a streamline contour and a graduated thickness from the inner to the outer shroud providing a low lift adjacent its inner shroud and high lift adjacent its outer shroud, and a constant pitch angle.

2,418,363
ELECTRIC SWITCH
Salvatore Minneci, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application September 17, 1945, Serial No. 616,908
2 Claims. (Cl. 200—16)



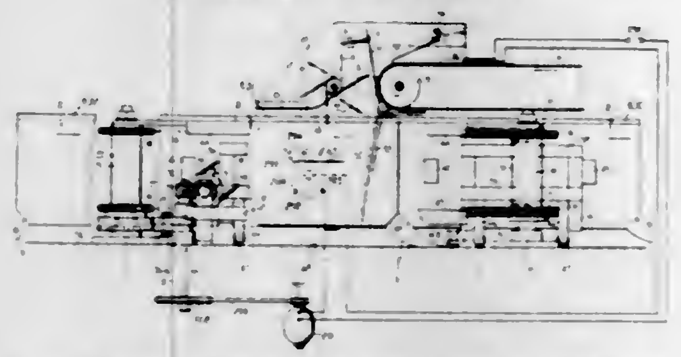
1. A switch comprising, in combination, a plurality of relatively fixed contacts insulatingly supported in a straight line and adapted to be connected respectively to points in an electrical winding having progressively increasing voltage, a movable contact assembly for successively engaging said fixed contacts, said movable contact assembly including electrical conducting means extending generally parallel to the line of said relatively fixed contacts and spaced therefrom, a pair of concentric insulating cylinders surrounding said last-mentioned means and having oppositely extending oblique slots, said cylinders being free to rotate, and a movable contact member extending through said slots and attached to said conducting means which extends generally parallel to said aligned fixed contacts.

2,418,364
LOCATING EQUIPMENT
Robert E. Moe, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application May 29, 1944, Serial No. 537,955
4 Claims. (Cl. 161—15)



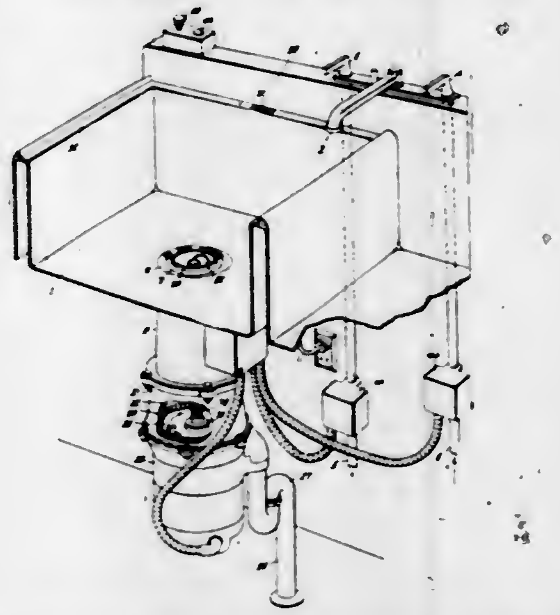
1. In a timing circuit, a condenser having its high side connected to a power supply through a normally conducting discharge device and through a tap on a potentiometer and having its low side connected to the power supply through a charging resistance and connected to the grid of another normally conducting discharge device across the power supply, means for biasing said first device off whereby the grid of said second device is driven negative by an amount determined by the position of the tap on the potentiometer, biasing said second device off, said second device being subsequently biased on by the charging of the condenser, and means utilizing the time the second device is biased off for supplying a timing indication.

2,418,365
COLLECTING MECHANISM FOR ROD SHAPED ARTICLES
Desmond Walter Molins and Felix Frederic Ruau, Deptford, London S. E. 8, England, assignors to Molins Machine Company, Limited, Deptford, London, England
Application May 13, 1941, Serial No. 393,299
In Great Britain May 18, 1940
6 Claims. (Cl. 198—35)



1. In a collecting and bundling apparatus for rod shaped articles or the like, which includes a stationary article discharging device; the combination of a conveyor for receiving articles from said discharge device and transporting them in successive groups to a point of removal, and driving means for said conveyor; said conveyor comprising an endless member movable in a fixed path defined by its own configuration, means operatively connecting said member to said driving means, means for guiding said member past a filling station defined by said article discharging device, a plurality of pocket elements carried by said endless movable member, a lost motion connection between each of said pocket elements and said endless movable member permitting a limited degree of relative movement therebetween, each of said pocket elements adapted to receive a quantity of said articles as it passes beneath said discharging device, said articles adapted to comprise a bundle; a detector means disposed adjacent said filling station and operatively connected with the conveyor driving mechanism to increase the speed of the conveyor during the time that the feed is changing from one of said pockets to the next succeeding one, and separate tripping means carried by each of said pocket elements individually for contacting and actuating said detector means at such times.

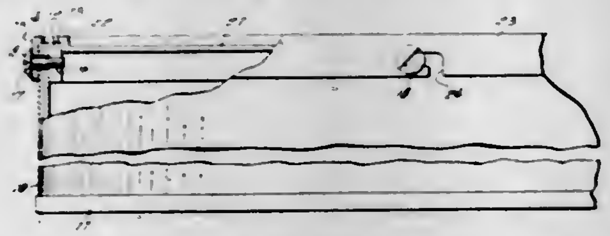
2,418,366
DISHWASHING MACHINE
James H. Powers, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application April 17, 1942, Serial No. 439,313
13 Claims. (Cl. 134—57)



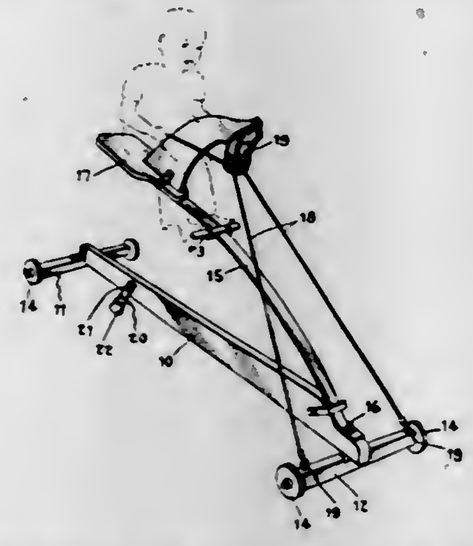
1. In a dishwasher, a sink having a drain opening, a waste disposal unit below the sink having a shredding chamber with an inlet connected to the sink drain opening and an outlet for connection with a sewer system, a rotary shredding element in said chamber, a rotatable impeller for washing dishes in the sink, a carrier for said impeller removably mountable in the sink drain opening and having journaled therein a drive shaft for the impeller connectable to said shredding element and having a drain to the shredding chamber when mounted in said opening, and provisions for selectively preventing the flow of water through said drain.

2,418,367
CONTAINER AND CLOSURE THEREFOR
Joseph Pulvers, Brooklyn, N. Y.
Application June 9, 1944, Serial No. 539,515
1 Claim. (Cl. 229—5.7)

A container and closure therefor, the container being of generally cylindrical shape and having a lower wall, an internal metallic ring positioned at the upper end of the container, the container and the ring having a plurality of spaced, aligned apertures therein, the apertures in the ring being threaded, the closure comprising a metallic member formed with an upwardly-extending annular flange closely fitting the upper, inner marginal edge of the ring, and a downwardly-depending annular flange closely fitting the upper, outer marginal edge of the container, such latter flange having bayonet slots therein aligned with the apertures in the container and ring, and headed screws positioned in such apertures to lock the closure in closing relation after such closure has been rotated to position such screws at the inner ends of the bayonet slots.



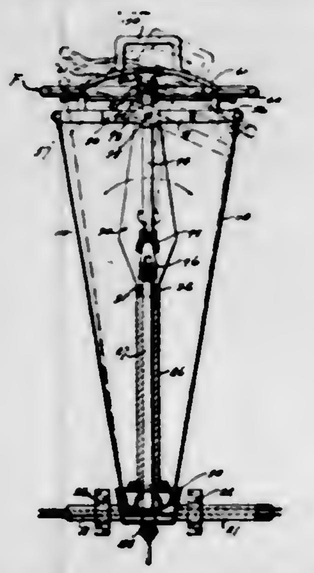
2,418,368
TOY VEHICLE
Frederick B. Schroeder, Cincinnati, Ohio, assignor of one-half to Thomas Sullivan, Covington, Ky.
Application October 10, 1945, Serial No. 621,420
1 Claim. (Cl. 280—1.17)



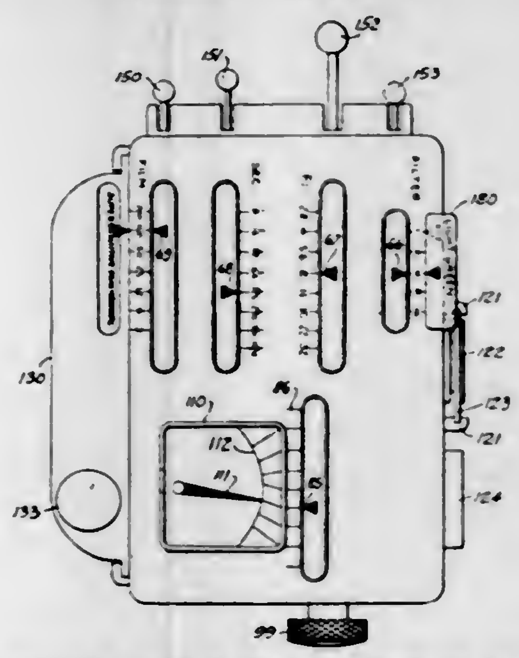
A toy wheeled vehicle comprising a centerboard, a steerable axle pivoted to the front end thereof, guide means for steering said axle, a cantilever attached to the front of said centerboard, a seat attached to the free end of said cantilever, said guide means being actuable by the rider from said seat and stake means pivoted upon the side of said centerboard and in angular contact with the surface upon which the vehicle rests, whereby the vehicle is prevented from going in the direction in which the lower end of the stake means is pointed but is free to go in the opposite direction by reason of the force exerted by the rider when he bounces up and down on the free end of the cantilever.

2,418,369
CONTROL MECHANISM FOR AIRCRAFT
Anthony J. Schubert, Raymondville, Tex.
Application November 6, 1943, Serial No. 509,287
3 Claims. (Cl. 244—83)

1. In a control assemblage for aircraft the combination of a housing having a pivot connection at its lower end, means connecting the housing above its pivot connection for controlling the elevators of an aircraft thru pivotal movement of said housing, an aileron control shaft assemblage rotatably supported upon the housing and extending rearwardly with respect to the aircraft axis, means dividing said aileron control shaft into forward and rearward sections in a universal joint connection so that the rear section can be moved laterally, means connected with the rear section of said aileron control shaft for operation of the ailerons of an aircraft upon rotative movement of said rear shaft section, means for operation of the rudder of an aircraft, a single control element, and means connecting said single control element with said two last mentioned means, the housing and rear shaft section for independent operative control of said elevators, ailerons and rudder including rocking and rotatable connections between said single control element and said ailerons and carried by said single control element, and a universal joint connection between said element and shaft.



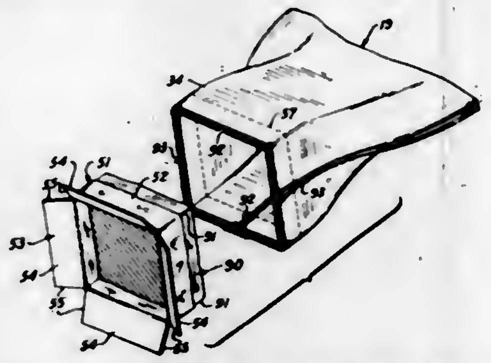
2,418,370
COMPUTING DEVICE FOR PHOTOGRAPHIC CAMERAS
Alfred Simmon, Jackson Heights, N. Y., assignor to Simmon Brothers, Inc., Long Island City, N. Y., a corporation of New York
Application May 25, 1945, Serial No. 595,702
7 Claims. (Cl. 95—10)



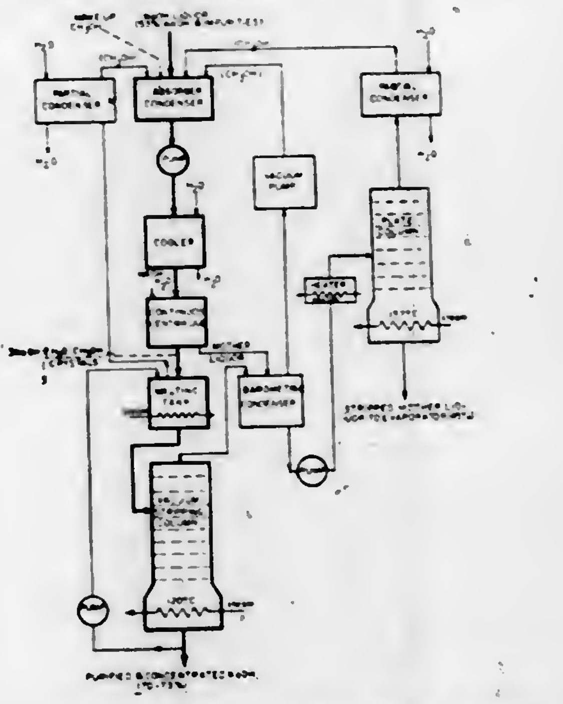
1. A camera comprising a housing, filter supporting means in the housing, a lens with a diaphragm, a shutter, light sensitive film supported within the housing, a photoelectric cell and a current measuring instrument connected to said cell, said instrument equipped with a movable pointer and a scale calibrated in light values for indicating the actual intensity of the light reflected by the scene to be photographed, a device to compute the light intensity required for a correctly exposed picture from a given set of values for the filter factor, diaphragm opening, shutter controlled exposure time and film sensitivity, respectively, said device comprising a supporting structure attached to the camera housing and four slides, said slides movable individually and independently along straight and parallel lines, each of said slides having a mark, a stationary scale on said structure for each of said slides and cooperating with the mark of its slide, the first of said scales calibrated in logarithmically spaced values of filter factors, the second of said scales calibrated in values of the ratio of the focal length of the camera lens divided by the effective diaphragm diameter of said lens, the spacing of said values being in proportion to the logarithms of their squares, the indicated values of both scales increasing in the same direction, the third of said scales calibrated in logarithmically spaced values of the exposure time of the shutter of said camera, and the fourth of said scales calibrated in logarithmically spaced values of the film sensitivity, the indicated values of said last two scales increasing in the opposite direction to that of the first two scales, each of said slides equipped with a gear rack, the racks of one pair of slides facing each other, and the racks of the other pair of slides facing each other, a gear between the racks of the first pair and in mesh with both, a fifth slide, said gear mounted rotatably upon said fifth slide, a second gear between the racks of the second pair and in mesh with both, a sixth slide, said second gear mounted rotatably upon said sixth slide, said fifth and sixth slides movable along straight lines parallel to the lines of movement of the first four slides, and each equipped with a gear rack, said racks facing each other, a third gear between the racks of said fifth and sixth slides and in mesh with both, a seventh slide, said third gear mounted rotatably upon said seventh slide, said seventh slide movable along a straight line parallel to the lines of movement of all other slides, and a mark on said seventh slide cooperating with a stationary scale on said structure calibrated in logarithmically spaced values of required light intensities, said last mentioned scale adjacent to the scale of said instrument and lines connecting identical light values on both scales, a correctly exposed picture being assured whenever the last mentioned mark indicates the same light value as the pointer of said instrument thereby making the "required" light value equal to the "actual" value of the light reflected by the scene to be photographed, and mechanism interconnecting said computing device with exposure adjusting means of the camera.

2,418,371
SUCTION CLEANER
Donald G. Smellie, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application April 8, 1943, Serial No. 482,231
8 Claims. (Cl. 229—53)

1. A paper dirt-filtering bag for suction cleaners, said bag having longitudinal pleats, certain of said pleats being joined together and others unattached to form a constricted bag mouth, said pleats having creases interiorly and exteriorly of said bag mouth, and a member at the marginal edge of said bag mouth, said member having a tubular portion interiorly of said bag mouth and a folded collar extending about said marginal edge and exterior of said pleated bag mouth, said tubular portion and said folded collar spanning the adjacent creases of said pleats interiorly and exteriorly of said bag mouth and secured to said pleats.



2,418,372
PURIFICATION OF CAUSTIC SODA AND PRODUCTION OF CAUSTIC COMPOUND
David F. Smith, Grosse Ile, Mich., assignor, by mesne assignments, to Wyandotte Chemicals Corporation, Wyandotte, Mich., a corporation of Michigan
Application May 16, 1942, Serial No. 443,238
13 Claims. (Cl. 23—184)



1. The method of increasing the sodium hydroxide content of an aqueous caustic soda solution containing sodium hydroxide, water and other chemical compounds, consisting in adding an alcohol to said solution, the amount of the alcohol employed being considerably less than the weight of NaOH, but sufficient to form a constituent of the combined molecules of NaOH and the alcohol, effecting an increase in temperature, then cooling the solution without removing the water thereby forming a precipitate containing sodium hydroxide and alcohol, separating said precipitate from the remaining solution, and then recovering sodium hydroxide from said precipitate and the alcohol separately.

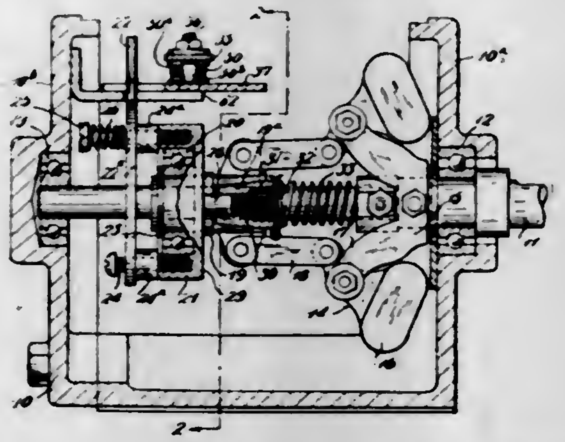
12. The method of purifying caustic soda, consisting in treating aqueous caustic containing impurities with an alcohol and without removing the water, the amount of the alcohol employed being considerably less than the weight of NaOH, but sufficient to form a constituent of the combined molecules of NaOH and the alcohol, form-

ing a solid compound containing sodium hydroxide and the alcohol, separating the said solid compound from the mother liquor and then recovering relatively pure caustic from the said compound and the alcohol as a by-product.

2,418,373

CENTRIFUGAL SWITCH

Elmer T. Spaller, Cleveland Heights, Ohio, assignor to The Euclid Electric & Mfg. Co., Euclid, Ohio, a corporation of Ohio
Application February 14, 1944, Serial No. 522,230
22 Claims. (Cl. 200—80)



1. In a centrifugal switch, a shaft adapted to be rotated in either a forward or reverse direction, a centrifugal mechanism rotatable with said shaft, a plurality of cooperating switch contacts comprising a pair of spaced stationary contacts and a movable contact therebetween, and means for causing engagement of one of said stationary contacts by said movable contact including a yieldable finger projecting substantially radially from said shaft and adapted to be shifted by said mechanism.

2,418,374

PROCESS FOR THE PRODUCTION OF ALKADIENES

Charles M. Stone, Beacon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application November 20, 1943, Serial No. 511,169
4 Claims. (Cl. 260—680)

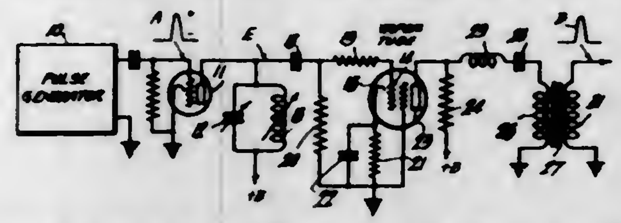
1. A process for the production of an alkadiene which comprises subjecting a reaction mixture comprising a mono-olefinic hydrocarbon, sulfur trioxide and an inert diluent which is gaseous at the reaction temperature to contact with a catalyst comprising copper sulfate adsorbed on alumina at a pressure such that the sum of the partial pressures of said mono-olefinic hydrocarbon and said sulfur trioxide is substantially below atmospheric pressure and at a temperature ranging from about 800° F. to about 1300° F. for a short period to convert said mono-olefinic hydrocarbon to an alkadiene while avoiding substantial cracking.

2,418,375

PRODUCTION OF DELAYED PULSES

Simeon I. Tourshou, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application November 6, 1944, Serial No. 562,203
1 Claim. (Cl. 178—44)

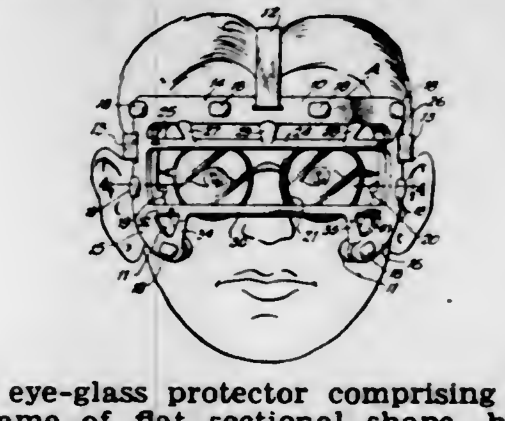
In combination, a vacuum tube having a control grid and having a tuned anode circuit, means for applying a positive pulse to said grid whereby said tuned circuit is shock excited to produce a damped wave thereacross having a negative first fractional cycle, and means responsive to the voltage rise of the following positive half cycle of said damped wave for producing a pulse that is delayed with respect to the pulse applied to said grid, said last means including a gas or vapor tube having a control grid to which said damped wave is applied and having an anode circuit that includes an anode resistor through which an operating voltage is applied to said anode, a transformer across which said delayed pulse appears, said transformer being connected across said anode circuit through a capacitor which charges periodically to extinguish said vapor tube and which discharges periodically through said anode resistor.



2,418,376

EYEGLASS PROTECTOR

Archibald J. Turner, Chicago, Ill., assignor to Wilson Sporting Goods Company, Chicago, Ill., a corporation of Delaware
Application September 2, 1941, Serial No. 409,207
5 Claims. (Cl. 2—9)



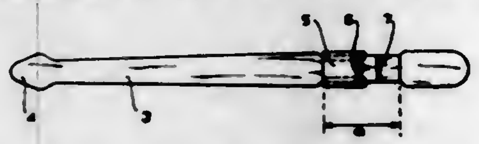
3. An eye-glass protector comprising a marginal frame of flat sectional shape, having a substantially U-shaped transverse top portion adapted to conform to a wearer's brow, a pair of separate and forwardly curved depending side frame portions carried by the ends of the U-shaped top portion and shaped to be supported against rearward and lateral stresses by fitting over the cheek bones and terminating short of the chin of a wearer, a forwardly projecting support frame carried by each of the forward curving side portions, and a narrow transverse guard bar supported by the forwardly projecting support frames, said guard bar being in the form of a horizontally disposed V, with its apex projecting forwardly to provide non-coextensive visual areas for each eye of a wearer for maximum overlapping of an obstructed visual area of one eye with an unobstructed visual area of the other eye.

2,418,377

LACING NEEDLE

Antonius J. J. van Akkeren, The Hague, Netherlands, assignor of one-half to Nicolaas Klaasse Bos, Voorburg, Netherlands
Application October 31, 1945, Serial No. 625,806
In the Netherlands August 26, 1939
1 Claim. (Cl. 223—103)

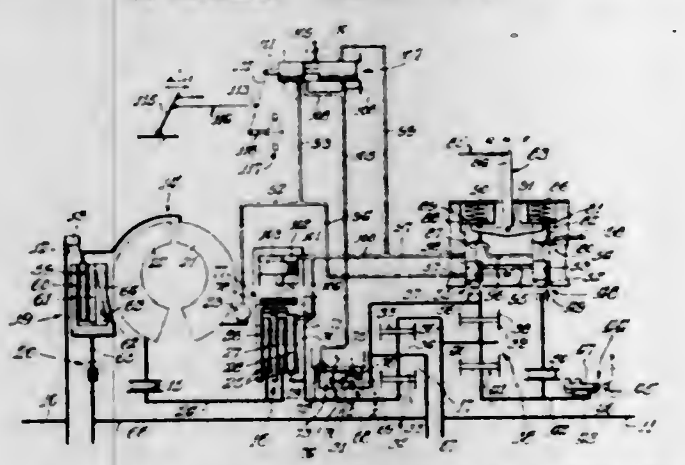
A lacing-needle provided near its rear end with a slide to leave a gap between slide and needle, the width of the gap decreasing from the rear end to the front end thereof, said needle being provided in the rear of the slide and opposite the gap with a projection whose height is smaller than the width of the gap at the rear end thereof, the slide and projection operating to bind the lace in operative connection with the needle.



2,418,378

TRANSMISSION

Charles F. Voytech, Chicago, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application October 14, 1943, Serial No. 506,124
23 Claims. (Cl. 74—270)



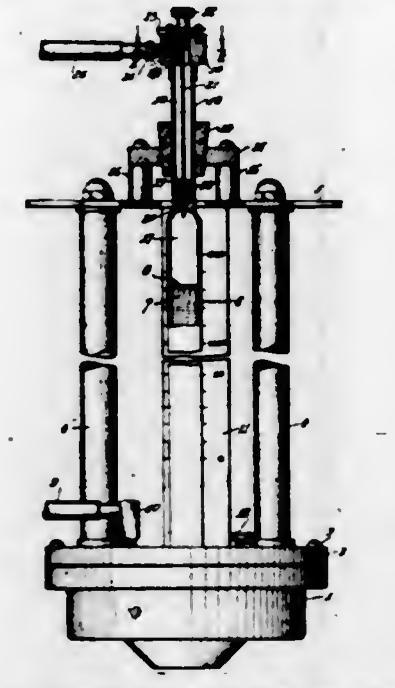
1. A variable speed transmission comprising drive and driven shafts, first and second planetary gear sets each set comprising ring and sun gears, planet pinions meshing with the ring and sun gears and a carrier for the planet gears; means connecting the carrier of the first set with the ring gear of the second set, means connecting the ring gear of the first set with the driven shaft and also with the carrier of the second set, means connecting the carrier of the first set to the drive shaft, releasable means for holding the sun gear of the second set, and selective means operable while the sun gear of the second set is released for either holding the sun gear of the first set against rotation or connecting the said first set sun gear to said first set carrier which is connected to the drive shaft to produce either an overdrive or another drive between the shafts.

2,418,379

APPARATUS FOR ESTABLISHING A VACUUM IN MANOMETER-TYPE INSTRUMENTS

Charles F. Wallace, Westfield, N. J., assignor to Wallace & Tiernan Products, Inc., Belleville, N. J., a corporation of New Jersey
Application September 14, 1944, Serial No. 554,098
3 Claims. (Cl. 73—1)

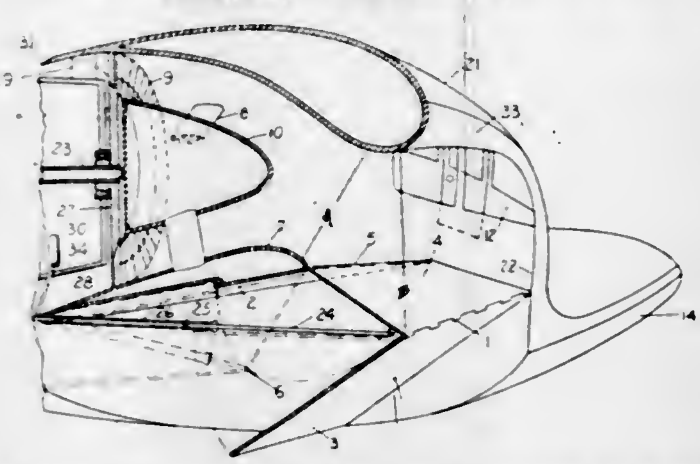
2. In an instrument of the manometer type for the determination of gaseous pressures by the height of a mercury column in a tube at the upper part of which a substantial vacuum is to be maintained, and wherein a mercury chamber is provided at the lower end of said tube arranged to be exposed to a gaseous pressure to be determined, in combination, means forming an upper chamber communicating with the upper portion of said tube, means adapted to communicate between said upper chamber and a source of vacuum, means forming a passage between said upper chamber and the upper portion of said tube, and valve means operable from outside said apparatus to open and close communication through said passage between said upper chamber and the upper part of said tube, the aforementioned parts being so constructed and arranged that when it is desired to establish a vacuum in the upper portion of said tube, the entire instrument may be tilted to reduce the vertical distance between the pool of mercury and the upper end of the apparatus, a vacuum may then be applied to said upper chamber with said valve open and the mercury drawn up until a portion thereof is in said upper chamber and said tube, said passage and at least a part of the upper chamber are filled with mercury, said valve may then be closed and the apparatus brought back to its normal vertical position, so that the mercury in said tube will attain its equilibrium level with a vacuum thereabove and a small portion of mercury is maintained in said upper chamber.



2,418,380

INLET AIR OPENING OF JET PROPELLED PLANES

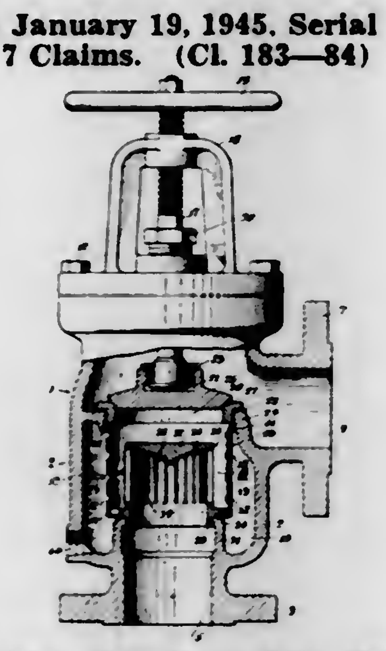
Douglas K. Warner, Sarasota, Fla.
Application May 26, 1943, Serial No. 488,800
4 Claims. (Cl. 244—13)



2. The combination, with the propulsion device of a flying machine of a passage of continuously, gradually increasing area rearwardly, from a forward opening, and flap means for extending the length of said passage forwardly of its normal opening with a forwardly diverging passage and power means for advancing said flap from a rearward to forward position.

2,418,381
STEAM SEPARATOR

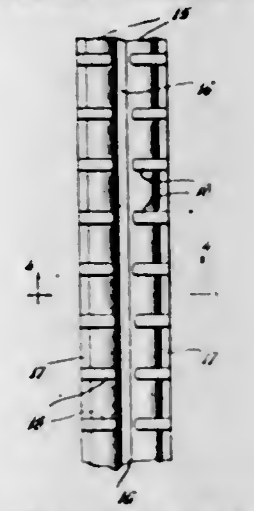
Adolph J. Wegmann, Flushing, N. Y., assignor to Dri-Steam Products, Inc., a corporation of Delaware
Application January 19, 1945, Serial No. 573,565
7 Claims. (Cl. 183—84)



1. A separator for steam and the like comprising an enclosing casing having steam inlet and outlet connections, a perforated cylindrical separating wall disposed in spaced relation to the side walls of said casing intermediate said connections and defining with said side walls a substantially closed liquid receiving space surrounding said separating wall, a hollow cylindrical body concentrically arranged within and in spaced relation to said perforated separating wall, said hollow body having a plurality of passages in the side walls thereof that are inclined outwardly in a generally tangential direction toward said perforated separating wall, and said hollow body being connected to receive steam from said inlet connection and direct it outwardly toward and along the inner surface of said separating wall in passing to said outlet connection, whereby liquid and solid particles carried by the passing steam are thrown against and passed through said separating wall while the steam passes on to said outlet connection without passing through said closed space.

2,418,382
BAR STOCK AND REINFORCING BAR

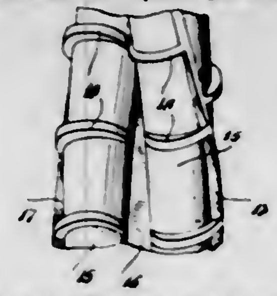
Odd Wennberg, Manhasset, and Joseph D. Stites, New York, N. Y., assignors to Wegner Machinery Corporation, Long Island City, N. Y., a corporation of New York
Application September 8, 1945, Serial No. 615,225
7 Claims. (Cl. 72—111)



1. A bar adapted to be twisted around its longitudinal axis to form a reinforcing element, said bar comprising two elongated rod-like sections joined in substantially parallel alignment by an integral web of cross-sectional area less than the cross-sectional area of either of said rod-like sections and integral ribs transversely spaced at intervals on the surface of said bar, said ribs being roughly angular in outline and having a point of maximum rib depth located over the outside surface of said rod-like section.

2,418,383
BAR STOCK AND REINFORCING BAR

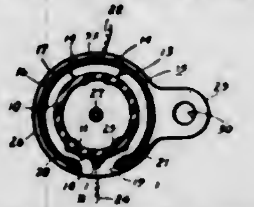
Odd Wennberg, Manhasset, and Joseph D. Stites, New York, N. Y., assignors to Wegner Machinery Corporation, Long Island City, N. Y., a corporation of New York
Application September 8, 1945, Serial No. 615,226
3 Claims. (Cl. 72—111)



3. A twisted reinforcing element comprising two elongate rod-like sections longitudinally joined by an integral web, said element being twisted about its longitudinal axis into a helical structure comprising two helices having a common axis and outwardly extending integral transverse ribs spaced at intervals on the surface of said element and merging into the surface of said rod-like section, the surface of said web being uninterrupted by said ribs.

2,418,384
SWITCH

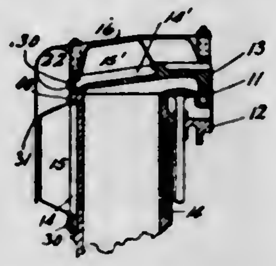
Herbert E. White, Cleveland Heights, Ohio
Application February 25, 1944, Serial No. 523,929
3 Claims. (Cl. 200—138)



1. In a thermostatic switch, a circular base portion, an arcuate electrical conductive portion connected to said base at one side thereof, an arcuate bi-metallic electrical conductive portion connected to said base at the opposite side thereof, said bi-metallic portion being wrapped about base and having two contact portions each of which is positioned in over-lapping relation with a portion of said arcuate electrical conductive portion and each of which is adapted to engage the conductive portion to make an electrical circuit, only two electrical terminal means one of which is electrically connected to said arcuate electrical conductive portion and the other of which is electrically connected to said bi-metallic portion, a top cover and a bottom cover each connected to said base portion and extending outwardly from said circular base around the periphery thereof, said bi-metallic portion being protected on three sides by said base and said two covers, and said bi-metallic portion having its portion with a higher coefficient of thermal expansion positioned to the outside of the portion with the lower coefficient of thermal expansion whereby the portion with the lower coefficient is protected on four sides.

2,418,385
COOLING SYSTEM FOR INTERNAL-COMBUSTION ENGINES

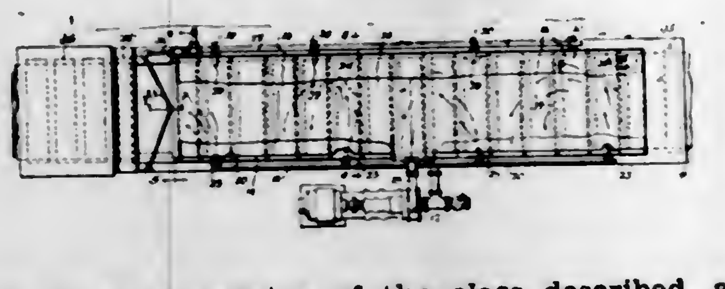
Frederic S. Wilcox, Springfield, Mass.
Application May 16, 1945, Serial No. 593,988
2 Claims. (Cl. 123—173)



2. The combination of an engine with cylinder block and removable head each provided with liquid cooling jackets, one for the block and one for the head, the outer wall of the jacket for the block having a substantial portion of its whole area formed with heat radiating protuberances to greatly increase its area, such block jacket being adapted to receive liquid and seal the liquid therein independently of the jacket for the head, the jacket for the head having a similar construction as its outer wall and adapted to seal liquid in it independently of the liquid in the outer jacket, emergency blow off devices, one in each jacket construction to relieve pressure upon over-heating, and a hood construction over that part of said jackets made with the heat radiating protuberances to provide paths for cooling air.

2,418,386
CONTINUOUS PICKLING AND CLEANING DEVICE FOR METAL

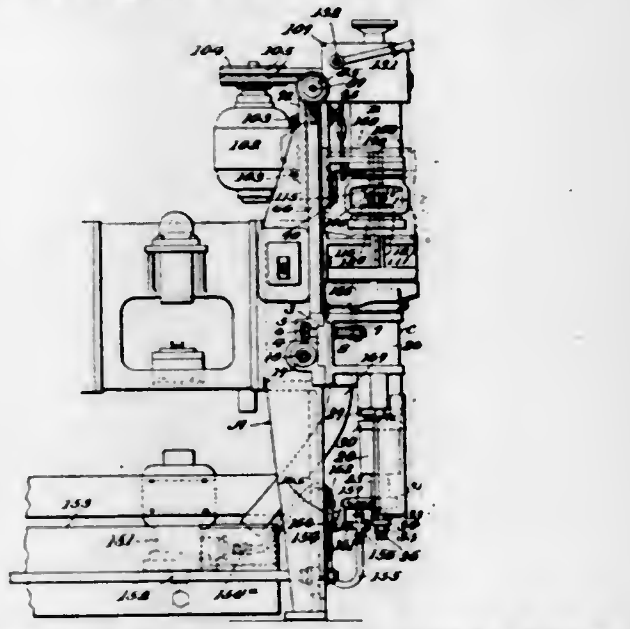
Frank J. Wood, Riverside, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application January 17, 1942, Serial No. 427,092
5 Claims. (Cl. 134—99)



1. In an apparatus of the class described, a trough, a plurality of grid blocks disposed along said trough for slidably supporting an article above the bottom of said trough for treatment as it passes along said trough, and means for directing a treating solution to flow across said trough at a high velocity with a whirlpool action at a plurality of places along said trough, above and below the path of travel of the article being treated through said trough, including a plurality of fluid conducting pipes entering said trough along one side thereof above and below the horizontal plane in which the material supporting surfaces of said blocks lie, and adapted to discharge fluid under pressure into said trough in a transverse direction with respect thereto, and other pipes entering said trough along the opposite side thereof from said first mentioned pipes above and below the horizontal plane in which the material supporting surfaces of said blocks lie, for discharging fluid under pressure into said trough in a transverse direction with respect thereto.

2,418,387
MACHINE TOOL

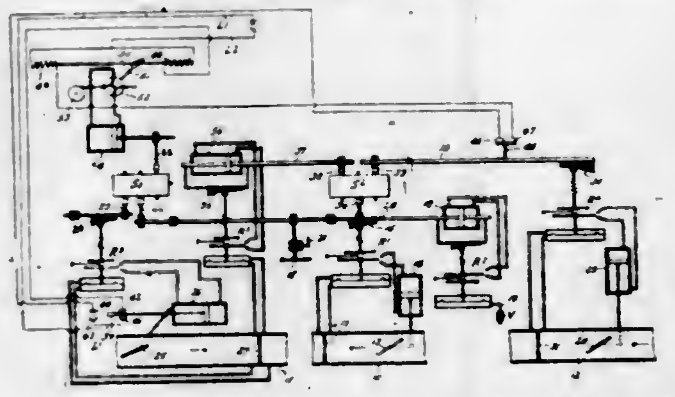
Charles A. Zarobsky, Cleveland, Ohio, assignor to The Parker Appliance Company, Cleveland, Ohio, a corporation of Ohio
Application November 22, 1943, Serial No. 511,338
4 Claims. (Cl. 77—4)



1. In apparatus for machining tapered parts, a frame having a mounting plate; a first head mounted to shift linearly across one face of said mounting plate; a threaded shaft journalled in said frame; a part on said first head having threaded engagement with said shaft for shifting said head when the shaft is rotated; a second head adjacent said one face of said mounting plate; a support adjacent the opposite face of said mounting plate; a pivot opening in said mounting plate; a pintle extending through said opening and into said head and said support; connecting means spanning said plate and being anchored respectively in said second head and said support and cooperating with said pintle to mount said second head and said support for tilting as a unit about said pintle on said plate; a work holder rotatably mounted on said second head; a motor mounted on said support; driving connections between said motor and said work holder; a tool holder; and means mounting said tool holder on said first head for movement transversely to the direction of linear shifting of said first head.

2,418,388
APPARATUS FOR CONTROLLING PRIMARY AND SECONDARY FUELS

Herbert Ziebolz, Chicago, Ill., assignor to Askania Regulator Company, Chicago, Ill., a corporation of Illinois
Application May 25, 1943, Serial No. 488,425
13 Claims. (Cl. 236—26)

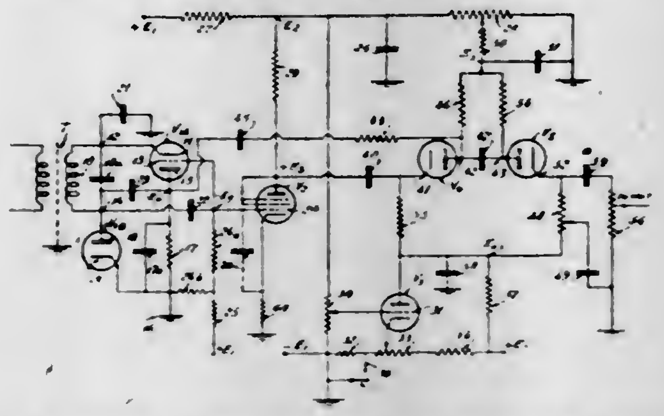


1. Apparatus for controlling the supply of primary and secondary fuels to a furnace in accordance with a variable heat demand, comprising in

combination, conduits for the respective fuels; an adjustable regulator connected to vary the flow of each fuel; load control means connected to adjust the regulators so that they will call for a flow of fuel which will meet the heat demand; means to measure the flow of the primary fuel connected to cancel the adjustment of the secondary fuel regulator when the primary fuel flow is sufficient to meet the demand and to impart adjusting movement thereto when the primary fuel flow is insufficient to meet the demand; and automatic means connected to be operated in response to initial adjustment of the secondary fuel regulator calling for a minimum flow of secondary fuel after the maximum flow of primary fuel has failed to meet the demand and also connected to decrease the maximum adjustment of the primary fuel regulator by an amount allowing for a predetermined minimum flow of the secondary fuel.

2,418,389
AUTOMATIC LIMITER SYSTEM

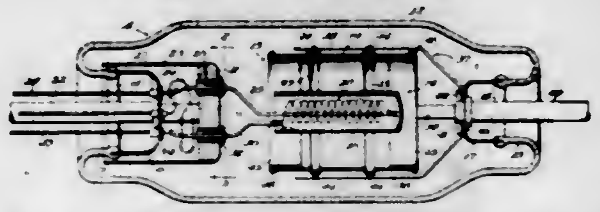
Gilbert J. C. Andresen, Cuyahoga Falls, Ohio
Application July 21, 1945, Serial No. 606,415
12 Claims. (Cl. 250—20)



1. A signal coupling and amplitude limiting system comprising, an input circuit including a rectifier providing rectified voltage in response to a modulated carrier signal, an output circuit, direct and inverse circuits coupling said input and output circuits with opposite polarities, a rectifier connected in said direct circuit, and voltage regulating means including integrating means responsive to the carrier amplitude of said modulated-carrier signal for applying to said rectifier in said direct circuit a gate voltage to limit the peaks of amplitude in said direct circuit at a cut-off level proportional to the carrier amplitude, said direct and inverse circuits each providing substantial coupling and being so proportioned that the direct circuit provides the greater coupling for amplitudes below said cut-off level, whereby the peak of any pulse exceeding said cut-off level is inverted.

2,418,390
ANODE STRUCTURE

Zed J. Atlee, Elmhurst, Ill., assignor to General Electric X-Ray Corporation, Chicago, Ill., a corporation of New York
Application March 3, 1945, Serial No. 580,819
6 Claims. (Cl. 250—27.5)



1. An anode comprising an open ended hollow shell of metal having high conductivity, and a sheet metal band of malleable metallic gettering material fitted within said shell at the open end thereof, said band having edge portions rolled to form a bead embracing and enclosing the end edges of said shell, and body portions extending within said shell for an appreciable distance from said end edges.

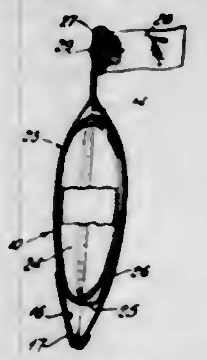
2,418,391
METHOD OF INCREASING OCTANE NUMBER OF MOTOR FUEL

George W. Ayers, Chicago, Ill., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
No Drawing. Application June 11, 1945, Serial No. 598,925
9 Claims. (Cl. 260—683.5)

1. The method of improving the anti-knock value of gasoline-boiling paraffinic hydrocarbons when used in ignition-type internal combustion engines comprising contacting said hydrocarbons for a period of at least two days with a metal cyanide insoluble in said hydrocarbons selected from the group consisting of potassium cyanide, cuprous cyanide, nickel cyanide, mercuric cyanide and silver cyanide and separating said hydrocarbons from the cyanide.

2,418,392
LIFESAVING DYE MARKER AND THE METHOD OF MAKING SAME

Sydney E. Bender, Brooklyn, N. Y., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application July 28, 1943, Serial No. 496,682
6 Claims. (Cl. 206—0.5)

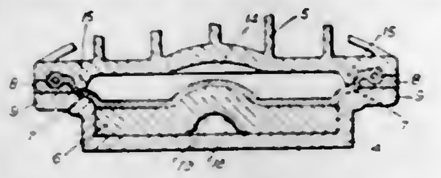


4. In a device of the class indicated, the combination with a normally sealed, flexible and waterproof container secured along one edge to carrier means, of a water pervious receptacle, holding a water soluble coloring and fluorescent substance, placed within the sealed container, means connecting said receptacle with the interior of the container for tethering it and for preventing its disengagement from the latter when the container is opened, one wall of the container having an aperture near its free edge, a rip-off strip normally closing and sealing said aperture, which strip, when removed, will expose the aperture for the release of the receptacle from the container.

2,418,393
HYDRAULIC DIE SHAPING PRESS HAVING FLEXIBLE FORMING PAD

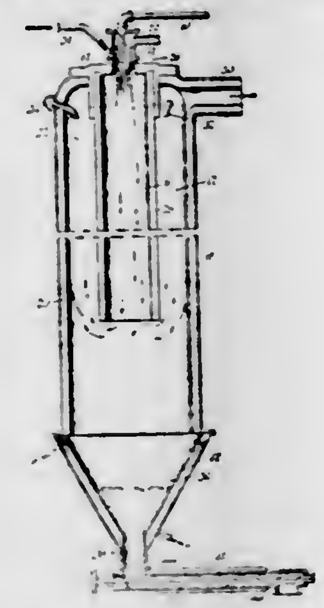
Walter Roy Bridgens, Bramhope, Leeds, England
Application October 12, 1944, Serial No. 558,308
In Great Britain July 8, 1943
2 Claims. (Cl. 113—44)

1. An hydraulic press comprising a top part and a bottom part, said top part having a cavity closed at the bottom by a flexible diaphragm secured at its edges in said top part, said top cavity having inlets and outlets for a pressure liquid, said bottom part having a cavity wherein the pressing operation takes place, and a flexible pad carried by said diaphragm at the underside thereof, said pad being of such size as substantially to fill said cavity in said bottom part and to be wholly under compression when operating in said cavity.



2,418,394
METHOD OF AND MEANS FOR REDUCING ORES

Charles O. Brown, Rye, N. Y., assignor to American Ore Reduction Corporation, Dover, Del., a corporation of Delaware
Application March 20, 1942, Serial No. 435,543
7 Claims. (Cl. 75—26)

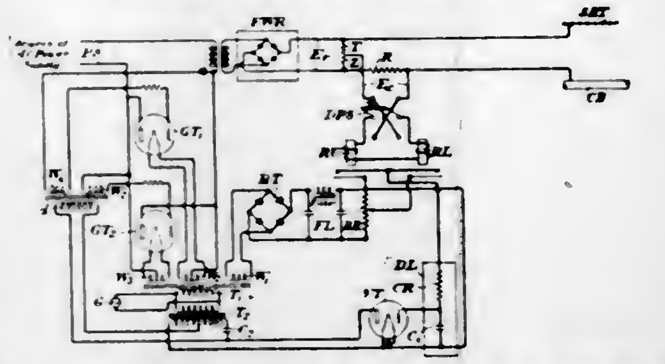


1. A method for the reduction of ores or like materials which consists in burning a primary supply of carbonaceous fuel with sufficient air to support complete combustion thereof whereby to produce high temperature combustion gases, conditioning said gases to render them highly reducing in nature by bringing them into intimate contact with a secondary supply of carbonaceous material, and thereafter bringing the conditioned gases into intimate contact with dispersed finely divided material to be reduced, characterized by the fact that said secondary supply is brought into contact with said high temperature gases in the form of an envelope surrounding the same.

4. In a furnace for the treatment of ores and like materials, the combination of a furnace shaft, a combustion chamber separated from said shaft but in communication therewith, means for supplying fuel and air to said chamber to produce high temperature combustion gases for flow from said chamber through said shaft, means for introducing a secondary supply of carbonaceous material to said chamber to render said high temperature gases highly reducing in nature, means for introducing finely divided material to be reduced into said shaft and in such fashion that it is brought into intimate contact with said high temperature reducing gases to effect a reduction thereof, and means for withdrawing the reduced material from said shaft, characterized in that the furnace shaft is disposed vertically and in that the combustion chamber depends part way down through the central portion thereof from its upper end.

2,418,395
CONTROL APPARATUS FOR FORCED DRAINAGE

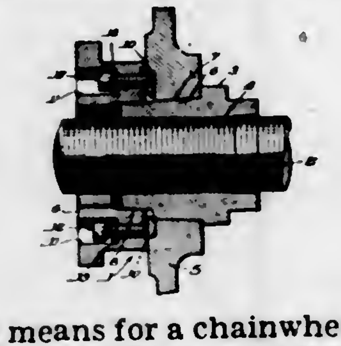
Eric Gustav Carlson, Philadelphia, Pa., assignor to American Telephone and Telegraph Company, a corporation of New York
Application September 23, 1944, Serial No. 555,547
8 Claims. (Cl. 171—316)



6. A forced drainage system for a cable exposed to a grounded D. C. power circuit, comprising a bridge system having said cable and said power circuit as one of its arms, a source of rectified voltage connected to a diagonal of said bridge system, said bridge system being balanced when the rectified voltage and the voltage between said cable and power circuit are in a predetermined ratio, and means responsive to a change in said voltage between the cable and the power circuit to change said rectified voltage until said predetermined ratio is obtained.

2,418,396
WHEEL LOCKING MEANS

Edward W. Carr and Robert H. Peterson, Chicago, Ill., assignors to Crane Co., Chicago, Ill., a corporation of Illinois
Application March 3, 1945, Serial No. 580,900
10 Claims. (Cl. 287—53)



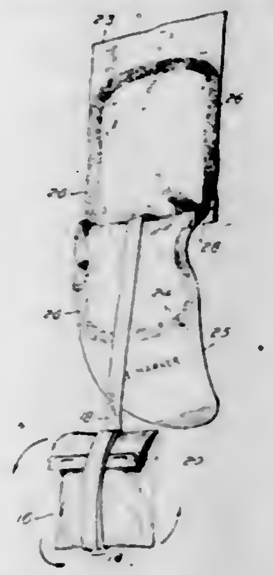
1. In locking means for a chainwheel or the like, the combination including a chainwheel, a yoke sleeve non-rotatably mounted relative to the said chainwheel, a wheel nut having projecting portions, the chainwheel having recessed portions on its face engageable by the said projecting portions selectively positioned on the said wheel nut.

2,418,397
LIFE JACKET DYE MARKER

Robert Collyer, Chatham, and Allan B. Clow, Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application March 15, 1944, Serial No. 526,638
5 Claims. (Cl. 206—0.5)

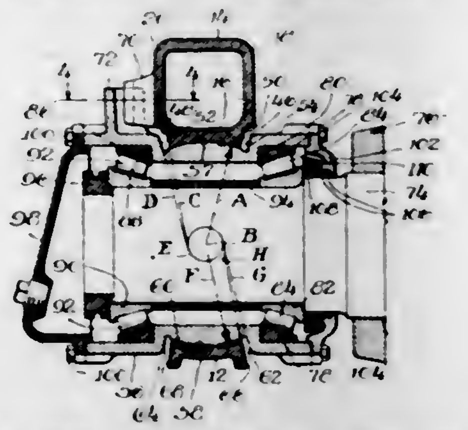
1. A dye marker adapted to be attached to a life jacket or the like and comprising in com-

bination a flexible waterproof covering, a dye package therein, said dye package comprising a water permeable envelope containing a water-soluble dye, a closure means adapted to hold the dye package within the covering, a waterproof



adhesive seal adapted to hold the closure means in operative position, a full means adapted to facilitate opening of the closure means, and a flexible means joining the dye package to the waterproof covering when the latter is open.

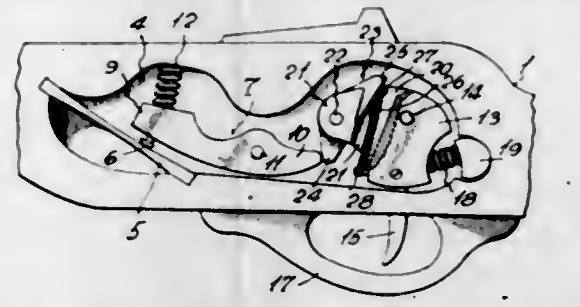
2,418,398
JOURNAL ARRANGEMENT
Robert B. Cottrell, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application June 28, 1944, Serial No. 542,543
11 Claims. (Cl. 105—223)



6. In a railway car truck, a wheel and axle assembly including a journal box member with a spherical surface atop thereof, a side frame member with a complementary surface seated on said first-mentioned surface, and means limiting relative movement between said members, said means including a lug on one of said members received within and spaced from a bracket on the other member, said bracket having surfaces converging toward surfaces on said lug for flat face engagement therewith to limit relative horizontal angling therebetween on said spherical surfaces said lug and bracket being disposed exteriorly of respective members at points remote from said surfaces.

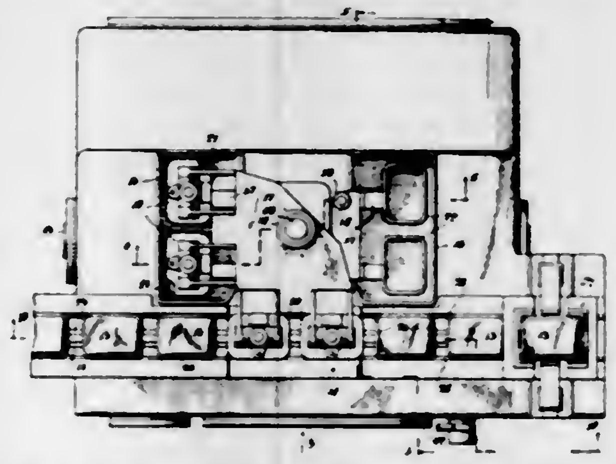
2,418,399
SOUNDING MECHANISM FOR TOY GUNS AND THE LIKE
Homer De Witt Crisler, Greensboro, N. C.
Application September 18, 1945, Serial No. 617,023
2 Claims. (Cl. 46—191)

1. In a sounding mechanism for toy guns and the like, a sounding anvil, a hammer rotatably mounted adjacent to the anvil, a rotatable rocker, a pawl mounted on the rocker for engaging the hammer to rotate the same away from the anvil, a spring for biasing the hammer into striking relation with the anvil to produce a sound,



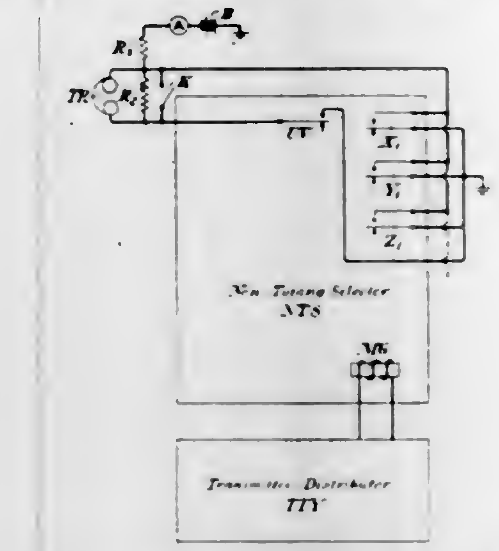
and means for varying the extent of projection of the pawl from the rocker to adjust the extent to which the hammer rotates away from the anvil and thereby regulate the loudness of the sound.

2,418,400
CAN COVER LINING MACHINE
Willy Diezel, Fairfield, Conn., assignor to The Max Ams Machine Company, Bridgeport, Conn., a corporation of New York
Application September 26, 1945, Serial No. 618,706
2 Claims. (Cl. 91—47)



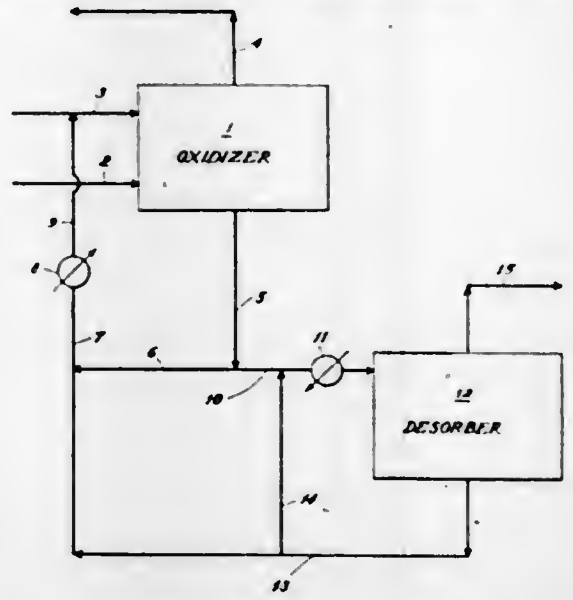
1. In a lining machine for applying lining material to covers, the combination of cover-feeding means having an intermittent step-by-step feeding movement; a vertically movable platform, constituting a lining station, constructed and arranged to simultaneously support a plurality of covers fed to it by said cover-feeding means, and to raise and lower said covers; two tanks, containing lining material, both located on the same side of said cover-feeding means, in spaced relation to each other and adjacent opposite ends of said lining station; a horizontally oscillatory turret located, adjacent said lining station, on the same side of said cover-feeding means as said two tanks and intermediate the latter, the center of said turret being substantially equidistant from said tanks and from said platform, said turret constructed and arranged to support two sets of transfer molds, one set complementary to one, and the other set to the other, of said tanks, and to carry said two sets in alternation into position above said platform, each set of transfer molds being carried in alternation into position above said platform and into position above that one of said two tanks which is complementary to the particular set of transfer molds; a group of tank molds, mounted to reciprocate vertically, in each tank, the number of tank molds in each group being equal to the number of transfer molds in each of said sets carried by said turret; two sets of transfer molds, the number of transfer molds in each set corresponding to the number of covers simultaneously supported by said platform, mounted to oscillate with said turret, said sets of transfer molds being so spaced apart that when either set is above said platform and in registry with the covers on the latter, the other set will be above its complementary tank and in registry with the tank molds thereof; means to oscillate said turret horizontally, and to cause it to dwell at the end of each swing in each direction, to bring, at the end of one swing in one direction, one set of transfer molds in registration with the covers then on said platform and the other set of transfer molds in registration with the group of tank molds of its complementary tank, and to bring at the end of the swing in the other direction the other set of transfer molds in registration with the covers then on said platform and said one set of transfer molds in registration with the group of tank molds of its complementary tank; means to raise and lower the group of tank molds of one tank at the end of a swing in one direction of said turret, and to raise and lower the group of tank molds of the other tank at the end of a swing in the other direction of said turret, to thereby, during the dwell of said turret after a swing in each direction, apply lining material to the set of transfer molds then above its complementary tank; means to raise and lower said platform to simultaneously press a plurality of covers against the transfer molds of a set during each dwell after each swing in each direction of said turret; and means to actuate said cover-feeding means to bring, during each swing in each direction of said turret, a plurality of covers into position on said platform.

2,418,401
TESTING SYSTEM FOR NONTYPING SELECTORS
Daniel Elmore Foley, Evanston, and Walter Daniel Johnson, Chicago, Ill., assignors to American Telephone and Telegraph Company, a corporation of New York
Application March 1, 1945, Serial No. 580,394
4 Claims. (Cl. 178—69)



2. A testing arrangement comprising a nontyping selector having a pull-bar swinger and a universal swinger together with a magnet for controlling the operation of the pull-bar swinger against its contact as well as the operation of the universal swinger against its contact, a source of voltage connected between the pull-bar contact and the pull-bar swinger, the pull-bar swinger being connected to the universal contact, a detecting device connected between the universal swinger and the pull-bar contact, and a source of teletypewriter signals connected to the magnet of said non-typing selector.

2,418,402
MANUFACTURE OF OXYGEN
Everett Gorin, Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application August 7, 1944, Serial No. 548,352
11 Claims. (Cl. 23—221)

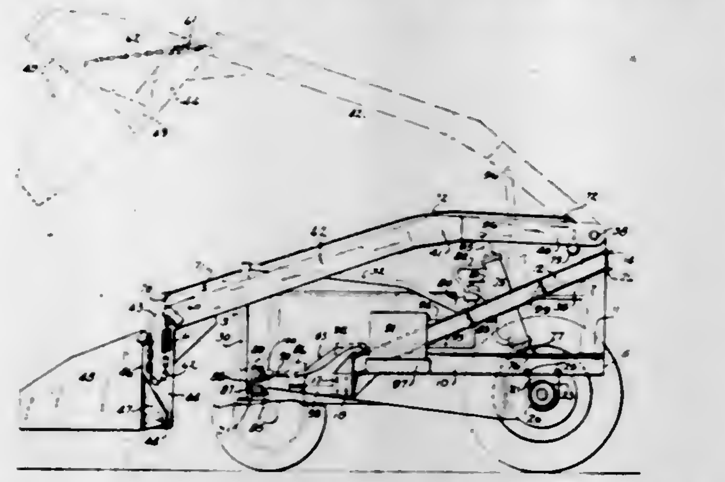


2. The process for the absorption of oxygen from a free oxygen containing gas which comprises, (1) continuously circulating in contact with a free oxygen containing gas at a temperature within the range of from 325° C. to 500° C. an oxygen absorbent mass consisting of metallic chlorides said chlorides consisting of a major proportion of cuprous chloride, a minor proportion of cupric chloride and an alkali metal chloride in an amount of from about 25 mole percent to about 45 mole percent of the total metallic chlorides as melting point depressant to maintain the metallic chlorides in the liquid state at the temperature of contact with said gas, (2) continuously separating the oxidized absorbent mass from contact with the gas, (3) circulating in continuous flow the oxidized absorbent mass from said first reaction zone to a second reaction zone, (4) continuously subjecting the oxidized mass in said second reaction zone to a temperature of from 425° C. to about 550° C. and at least 25° C. above the maximum temperature of the circulating mass in the first reaction zone, (5) continuously recovering oxygen desorbed from the oxidized mass in step 4, and (6) continuously circulating at least a part of the desorbed absorbent mass from step 4 to step 1 of the process.

2,418,403
DETACHABLE LOADER UNIT FOR TRUCKS AND TRACTORS
John P. Grabske, Cudahy, Wis.
Application March 26, 1945, Serial No. 584,815
13 Claims. (Cl. 214—140)

1. A detachable loader unit for power driven vehicles, having in combination a supporting frame, each side of which comprises a member having the general form of a right angled triangle with its base mounted on, and detachably secured to, the rear load bearing axle, and its forward apex also detachably clamped to the vehicle frame in the rear of the front wheels, the upright members of each side of said frame being located in the rear of the load bearing axle, bucket lifting arms pivoted to said upright portions of the frame and extending forwardly below the field of vision of the operator, arm lifting means connected with the base members ad-

jacent to and in front of said rear axle, a bucket pivoted to said arms in front of the vehicle, latch means for normally holding the bucket in load receiving position, and means operable from the driver's seat for releasing the latch.



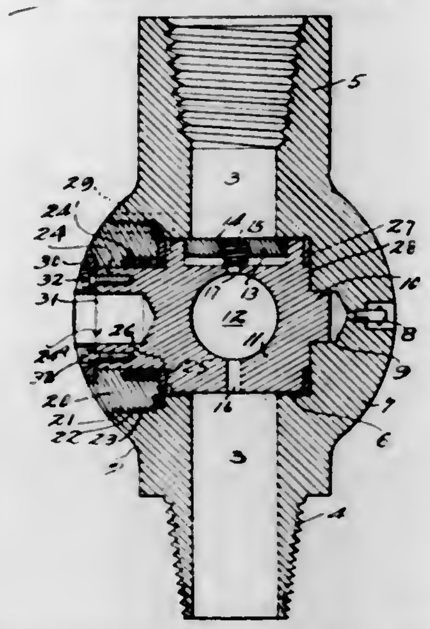
2,418,404

KELLY COCK

Joseph R. Greenlee, Santa Fe Springs, Calif., assignor to Shaffer Tool Works, a corporation of California

Application February 8, 1944, Serial No. 521,749

9 Claims. (Cl. 251—91)



1. A kelly cock having a casing with a crossbore, a valve closure device arranged in said bore and having bearing trunnions at each end, and casing side wall parts having journals to rotatively support the said trunnions; one of said wall parts consisting of a bushing removably screwed in the side of the casing and constituting one of the journals and the valve trunnion mounted therein being in the form of an elongate stem the outer end of which presents a turning tool receiver, and a ring attaching the stem to the bushing.

2,418,405

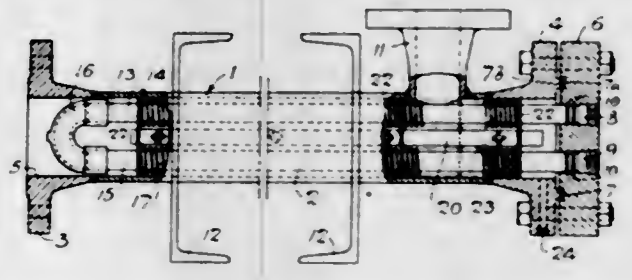
HEAT EXCHANGER

Addison Y. Gunter, Larchmont, and George B. Farkas, Jackson Heights, N. Y., assignors to American Locomotive Company, New York, N. Y., a corporation of New York

Application June 8, 1945, Serial No. 598,244

2 Claims. (Cl. 257—239)

2. A heat exchanger comprising a cylindrical shell openable at one end and having an inlet and an outlet; a single set of two tubes in said shell disposed in a diametral plane thereof, each of said tubes having external cross fins, said tubes being disposed so that the diametrally outermost portions of said fins are adjacent diametrally opposed portions of said shell, the diameters of said fins being such in relation to the diameter of said shell that a space is provided between the fins of one of said tubes and the fins of the other of said tubes, and opposite wide spaces are provided between said fins and said shell inner wall on opposite sides of said plane; and a baffle assembly disposed in said shell, including a baffle support disposed in said space between said tubes and a plurality of spaced baffles secured to said support, each of said baffles having an inner edge extending over said two tubes and fitting between fins thereof and a curved outer edge concentric with and adjacent the inner wall of said shell, said support substantially filling said space between said tubes, some of said baffles being disposed in one of said opposed spaces and staggered with relation to the remainder of said baffles which are disposed in the other of said opposed spaces for effecting a flow of shell fluid through said shell back and forth across said tubes, said tubes and baffle assembly being removable from said shell as a unit.



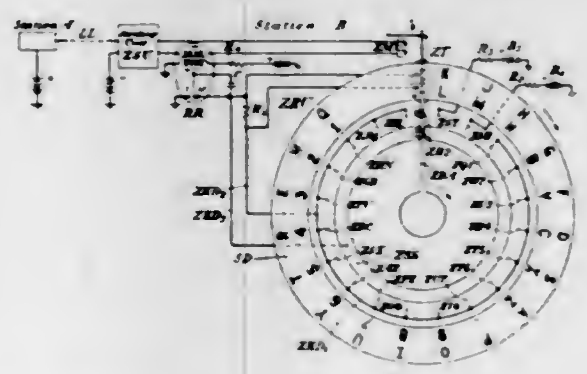
2,418,406

SELECTIVE SIGNALING SYSTEM

Frank Harold Hanley, Butler, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York

Application August 12, 1943, Serial No. 498,268

8 Claims. (Cl. 177—353)



1. A signaling system comprising means for producing pairs of pulses the relative time lengths of which differ from each other in accordance with the characters to be transmitted, although the overall time length of each pair of pulses remains the same, a rotary device bearing the various characters along its periphery at different peripheral distances from a predetermined point, a condenser, a gas tube, means responsive to the first of the pulses of each pair to start said rotary device and to charge said condenser, and means responsive to the second of the pulses of each pair to discharge said condenser through said tube to illuminate the character upon the periphery of said device as it passes a predetermined point.

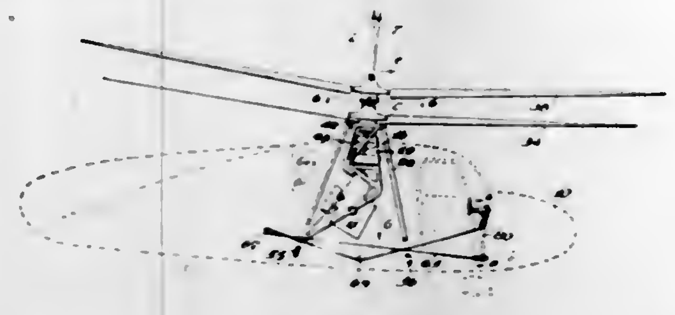
2,418,407

CONTROL MEANS FOR HELICOPTERS

Russell R. Hays, Lawrence, Kans.

Application August 14, 1943, Serial No. 498,642

14 Claims. (Cl. 244—17)



10. Control means for helicopters comprising, in combination with an engine-propeller unit, yieldable means mounted on said unit and suspending a horizontally disposed fuselage therefrom, the center of gravity of said unit lying below the center of thrust of said unit, and means varying the shape of said yieldable means so as to effect tilting of the thrust line of said unit simultaneously with travel of said center of gravity and said center of thrust oppositely to the direction of said tilting and by different degree, whereby said fuselage is maintained in its initial horizontal position.

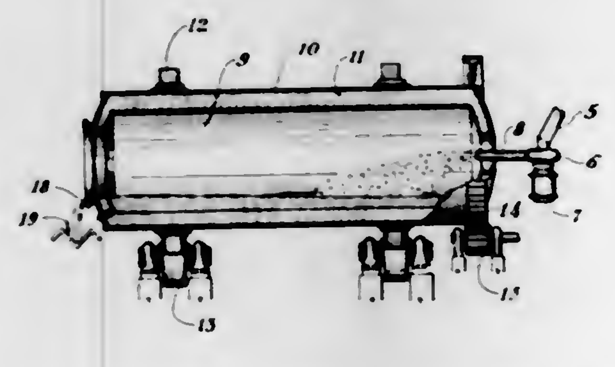
2,418,408

METHOD OF MAKING FUSED SALT MIXTURES

Sheldon B. Heath and Carl A. Kuehl, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

Application June 26, 1944, Serial No. 542,228

4 Claims. (Cl. 75—93)



1. The method of making fused salt mixtures composed principally of metallic chlorides and adapted for use as protective fluxes for melting magnesium and the like, such mixtures being fusible at temperatures below the melting point of magnesium, which comprises distributing solid particles of the component salts in desired proportion directly upon the surface of a pool of the molten salts contained in an internally fired inclined rotary kiln, while supplying sufficient heat to the same to maintain its temperature not more than about 200° F. above the initial freezing point of the mixture by hot combustion gases directed into the space immediately above the surface of the pool, permitting a stream of the molten salt to overflow from the pool at a point remote from the feed inlet, solidifying the salt so withdrawn as a thin layer upon a moving chilled surface, removing such layer in the form of flakes and comminuting the flakes.

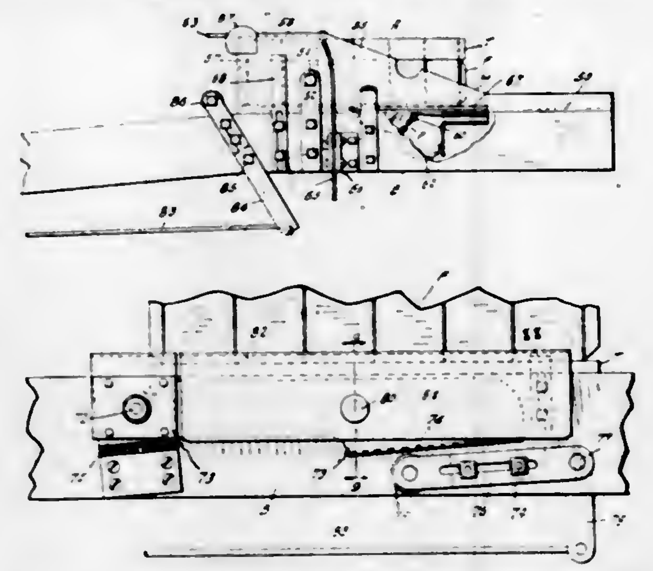
2,418,409

EGG TREATING MACHINE

Willis G. Howard, Indianapolis, Ind.

Application June 28, 1944, Serial No. 542,584

11 Claims. (Cl. 226—14)



1. The combination with egg-group transfer means comprising an invertible pan pivoted medially on a horizontal axis and dimensioned to receive a planar group of eggs, associate filler and an imposed cellular tray, of a pusher arranged adjacent said pan and having a portion projectible into ejecting engagement with such group, and means integrated with said pan to engage and actuate said pusher upon inversion of the pan, to project said pusher portion against such group and eject it from the inverted pan.

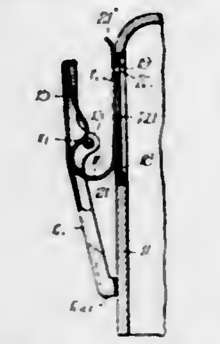
2,418,410

FASTENING DEVICE

Denison B. Hull, Winnetka, Ill.

Application May 13, 1943, Serial No. 486,783

2 Claims. (Cl. 24—3)



1. In a supporting device of the character described for suspending a small casing from a person's clothing, means for attaching the device to an article of clothing, and a strip of thin resilient spring material connected with said attaching means, said strip being provided inwardly of its side edges with two rearwardly struck tongues, which tongues diverge angularly relative to each other at their extremities and wedgingly fit within correspondingly spaced openings in the casing, said strip when positioned against the casing being resiliently flexed to maintain the tongues in engagement with the edges of the openings.

2,418,411

REMOVABLE GARMENT PAD

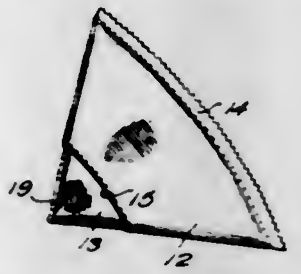
Osa E. Jay and Elaine Gildersleeve, Washington, D. C.

Application October 30, 1945, Serial No. 625,468

6 Claims. (Cl. 2—268)

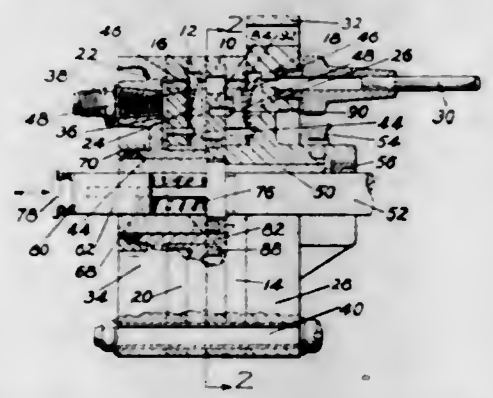
1. A shoulder pad for garments comprising a flexible pad member, a pad member-containing

casing having a wide portion and a relatively narrow portion, the relatively narrow portion being spaced from said wide portion, said relatively narrow portion having a pad member-receiving and ejecting opening, the opening being smaller than said pad member, the pad member being insertable when flexed through the opening and the pad member being removable through said opening when the pad member is flexed, the pad member being adapted to normally lie flat and snug in said casing, and the narrow portion of the casing constituting means to hold the pad member against accidental removal from said casing while lying flat in said casing.



2,418,412
PUMP AND DISTRIBUTOR MECHANISM

Andrew A. Kucher, Grosse Pointe Farms, Mich., assignor to Bendix Aviation Corporation, Detroit, Mich., a corporation of Delaware
Application May 28, 1943, Serial No. 488,865
7 Claims. (Cl. 103—131)

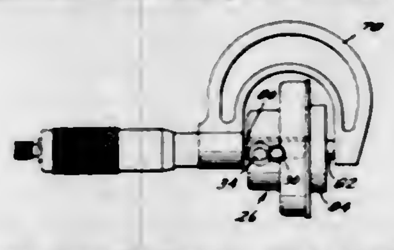


1. A pump and distributor comprising a cylinder, a member mounted therein having slight oscillatory and radial reciprocative movements, a plurality of non-rotating vanes radially mounted thereon, non-yielding means for retaining the vanes against the wall of said cylinder, an eccentric for driving said member, means for driving the eccentric, means for adjusting the eccentric and rendering it ineffective for driving the member operative while the pump is in operation, side walls for the cylinder having the member and the vanes between them, said walls having respectively inlet and outlet openings arranged opposite each other between the vanes, valves controlling said openings, means for delivering fluid to all of said inlet openings, and a separate fluid connection leading from each of the outlet openings.

2,418,413
MICROMETER LAP AND GUIDE

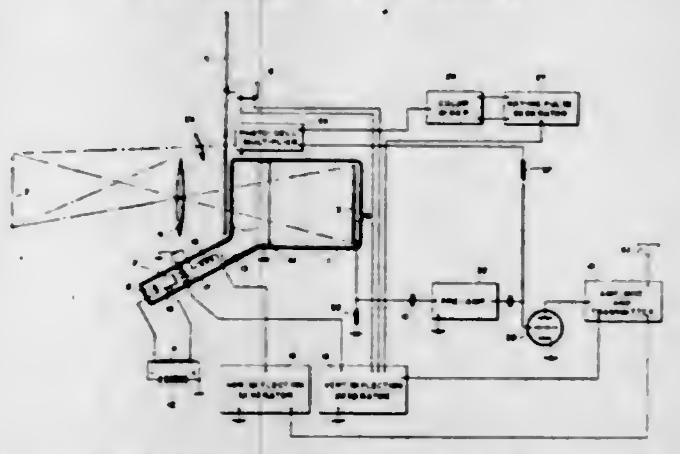
Ben. W. Lance, Geneva, Ill.
Application May 29, 1946, Serial No. 673,044
3 Claims. (Cl. 51—241)

1. A set of the character described for lapping the spindle and anvil of a micrometer comprising flange guide means, an elongated slot in said means for securing said means to the spindle of the micrometer, means mounted transversely of said slot for retaining said spindle therein, and means connected to said guide means for supporting in close proximity to the anvil of the micrometer a lapping tool.



2,418,414
TELEVISION COLOR MIXING SYSTEM

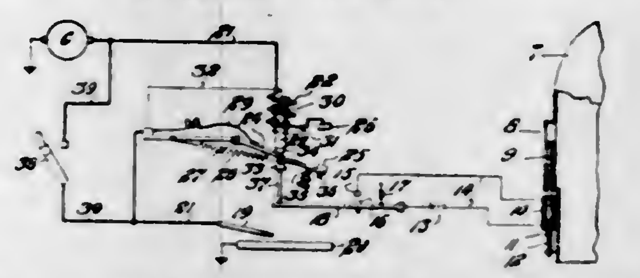
Christian C. Larson, Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation, a corporation of Delaware
Application December 29, 1944, Serial No. 570,229
18 Claims. (Cl. 178—5.4)



1. In a television system for transmitting an object in natural colors, means for generating groups of picture signals in succession, each of said groups representing a selected color component of said object, means for amplifying said groups of picture signals, a photocell multiplier responsive to the average light of said object during each color transmission period, means for establishing a predetermined gain in said multiplier during transmission of each color component, and means for controlling the gain of said amplifying means by the output of said photocell multiplier.

2,418,415
WELDER'S MASK

Wayne Leser, South Ozone Park, N. Y.
Application March 7, 1944, Serial No. 525,459
6 Claims. (Cl. 2—8)



1. For a welder's mask having a protective screen, a welding circuit including magnetic turns forming a holding coil and a switch in series therewith, a switch throwing magnet in series in the welding circuit but bridged about said welding circuit switch, an armature operable by said magnet and arranged when so operated to be retained by said holding coil, said armature having a lost-motion operating connection with said switch, and screen controlling means operable by said armature in advance of said switch closing action.

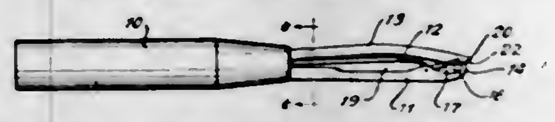
2,418,416
MANUFACTURE OF AZO LAKES

Roy C. Locke, Salem, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 30, 1943, Serial No. 516,16
6 Claims. (Cl. 260—195)

1. A process of manufacturing laked azo compounds which comprises dissolving an amino base of the benzene, biphenyl and naphthalene series and an azo dye coupling component of the benzene and naphthalene series in an aqueous non-oxidizing mineral acid solution having a sufficiently low pH value to effect the diazotization of the amino base when a diazotizing agent is added without effecting subsequent coupling in the resulting solution, said coupling component containing an hydroxyl group and a solubilizing group and being devoid of primary amino groups, adding a diazotizing agent to effect diazotization of the amino base, then increasing the pH value of the resulting solution until coupling takes place and an alkali metal salt of the resulting coupling product is formed, and finally laking the alkali metal salt of the azo compound by the action of a salt of a laking metal.

2,418,417
MENDING HOOK FOR STOCKINGS

Jeannette V. Maillet, Brownville Junction, Maine, assignor of one-half to Philip J. Maillet, Brownville, Maine
Application January 11, 1946, Serial No. 640,609
3 Claims. (Cl. 66—117)

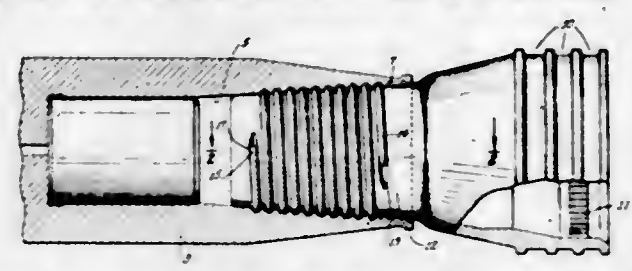


1. A mending tool for knitted fabric, comprising a handle and three forwardly protruding shanks rigidly secured therein, of which the middle shank constitutes a needle, the top shank constitutes a guard for the needle both said shanks being gradually arched parallelly inwards and each terminating with a sharp point; the third of said shanks constitutes a backwardly bent, well-rounded hook, a latch finger pivoted rearwardly of said hook and adapted to rest with its pointed free end upon the rear end of said hook, thereby forming an eye therewith; said third shank having a recessed portion between the latch finger and the handle to provide an open space between said needle and the third shank.

2,418,418
ALUMINUM PROPELLER BLADE WITH STEEL SHANK

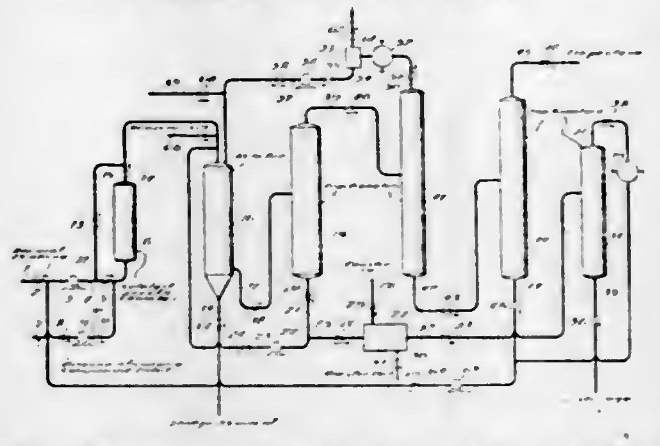
Erle Martin and Glen T. Lampton, West Hartford, Conn., and Edwin E. Vincent, Springfield, Mass., assignors to United Aircraft Corporation, Hartford, Conn., a corporation of Delaware
Application December 11, 1943, Serial No. 513,870
1 Claim. (Cl. 170—173)

In an air screw, a propeller blade having a butt portion, a recess extending into said butt portion substantially axially thereof and having a frusto-conical entrance part of substantial length, a shank for holding said blade having a frusto-conical portion substantially complementary with the entrance part of said recess and adapted to be secured therein, a substantially helical groove of predetermined pitch formed in and extending substantially the entire length of the entrance part of said recess and having a substantially semi-circular cross section; a substantially helical groove of similar and complementary cross section and pitch formed in the frusto-conical portion of said shank, a frusto-conical, substantially helical wire coil seated in said grooves and having its end at the smaller diameter end of said coil secured against rotation in said shank and the other end of said coil free to move along said grooves, the wire of said coil being of circular cross section, whereby said blade will be held rigidly on said shank upon assembly of the aforesaid parts.



2,418,419
METAL HALIDE CATALYSIS OF HYDROCARBONS

Julian M. Mavity, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application August 31, 1944, Serial No. 552,155
9 Claims. (Cl. 260—683.4)



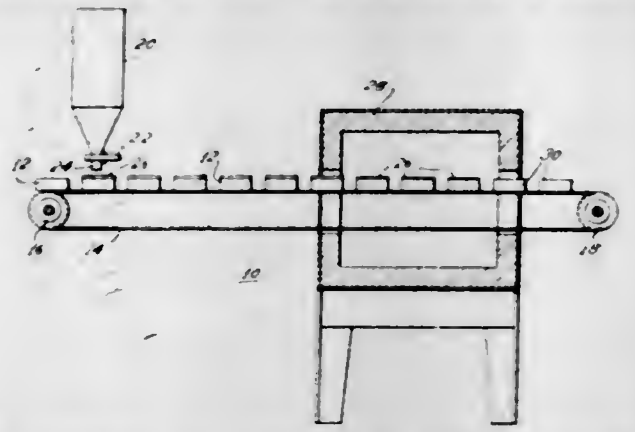
1. In the conversion of hydrocarbons wherein the hydrocarbons are subjected to conversion conditions in a reaction zone in the presence of a Friedel-Crafts metal halide catalyst and wherein at least a portion of the hydrocarbons to be converted is contacted in liquid phase with a bulk supply of the metal halide catalyst to dissolve metal halide catalyst therein and the resultant solution of metal halide in liquid hydrocarbon reactant supplied to the reaction zone, the improvement which comprises adding to said portion of the hydrocarbons, prior to the contact thereof with said bulk supply of the catalyst, a relatively small amount of an organoaluminum compound having the formula R_nAlX_{3-n} wherein R represents a hydrocarbon radical selected from the group consisting of alkyl and aryl radicals, X a halogen selected from the group consisting of chlorine, bromine and iodine and n is an integer not greater than 3.

2,418,420
PROCESS FOR IMPREGNATING CARBON BRUSHES

Lawrence E. Moberly, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 8, 1943, Serial No. 475,182
7 Claims. (Cl. 117—21)

1. The process of impregnating a graphitized carbon brush with a metallic halide comprising

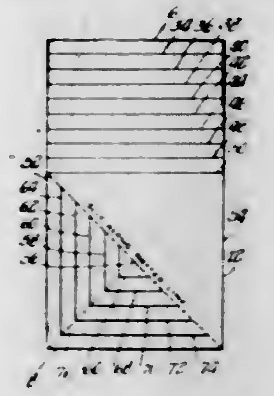
applying a predetermined amount of the metallic halide to an upper surface of the brush and heat-treating the brush and applied solid halide to a temperature to melt the halide for a period of time sufficient to cause the molten halide to penetrate into or be absorbed by the brush thereby securing a distribution of the metallic halide in the body of the brush.



2,418,421

MEANS FOR MOUNTING PHOTOGRAPHS AND SIMILAR DEVICES ON SHEETS OR PAGES

Corinne M. Murray, Pensacola, Fla.
Application April 28, 1944, Serial No. 533,114
4 Claims. (Cl. 33—174)



4. A device of rectangular shape adapted to form a guide for the mounting of photographs, cards and the like in albums and sheets, said device being provided on at least one of its faces with spaced or ruled lines extending parallel with each of the marginal lines of the device to provide guide reference lines for the placing of a photograph with reference to a page, one of the faces of the device being provided with a diagonal line extending diagonally with respect to two right angularly disposed edge lines of the envelope and which diagonal line is adapted to be slitted to ,receive the corner of a rectangular page or sheet upon which the cards or photographs are to be mounted.

2,418,422

LUBRICANT

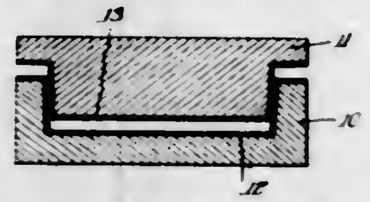
Robert C. Palmer, East Chicago, Ind., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
No Drawing. Application December 11, 1944, Serial No. 567,783
4 Claims. (Cl. 252—32.7)

1. A mineral oil composition comprising a major proportion of mineral oil with which there have been blended about 14 to 28% of calcium petroleum sulfonate and about 0.7 to 3% of a mixture of mono- and di-(diamylphenyl) phosphates.

2,418,423

SHAPING OF VINYLIDENE CHLORIDE POLYMERS WHILE IN CONTACT WITH CADMIUM OR CADMIUM BASE ALLOYS

Silvio Pellerano, Muskegon, Mich., assignor to The Kaydon Engineering Corporation, Muskegon, Mich., a corporation of Michigan
Application September 13, 1944, Serial No. 553,840
2 Claims. (Cl. 18—55)

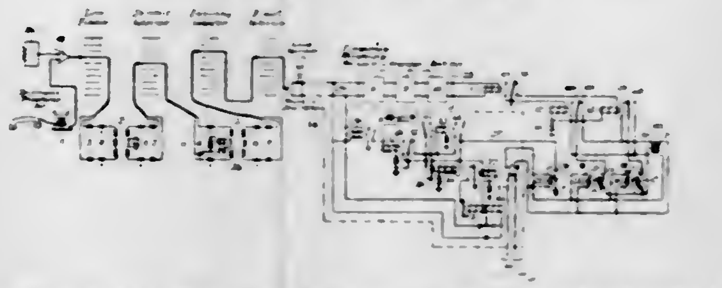


2. In the molding or shaping of vinylidene chloride polymers wherein, during said treatment, said polymers are converted to a molten or fused condition, the step which comprises maintaining said polymers, during such portion of the molding or shaping thereof wherein said polymers are in a molten or fused condition, in contact with a member selected from the group consisting of cadmium and cadmium-base alloys whereby decomposition of said polymers is substantially prevented.

2,418,424

ELECTRICAL MEASURING DEVICE

Lester Marshall Plym, Glen Ellyn, Ill., assignor to American Telephone and Telegraph Company, a corporation of New York
Application June 1, 1944, Serial No. 538,292
11 Claims. (Cl. 161—15)



1. In a system for determining the percentage of time an electrical current exceeds a predetermined limit, the combination with a plurality of timing devices of means to set in operation each of the said devices and means to reverse the direction of operation of one of said timing devices throughout the entire period in which the said current exceeds the predetermined limit, and switching means controlled by another of said timing devices to effectively stop the operation of each timing device at the end of a given period of time.

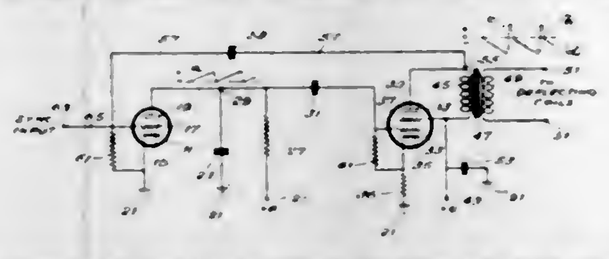
2,418,425

SELF-SYNCHRONIZED SAW-TOOTH GENERATOR

Waldemar J. Poch, Morristown, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 27, 1943, Serial No. 473,666
2 Claims. (Cl. 250—36)

1. A sawtooth wave generating circuit comprising an electrical storage element having one terminal thereof connected to ground, a source of energy and a substantially constant current element connected to the ungrounded terminal of said storage element normally to charge it relatively slowly in the direction of maximum charge, a first thermionic means having an anode, a cathode, and a control electrode, a direct connection from the cathode to ground and a connection

from the anode to the ungrounded terminal of said storage element to reduce the charge abruptly substantially to a minimum value during conductive periods of the said thermionic means, a second thermionic means connected to said energy storage element to produce amplified output energy of a wave form closely approximating that of the electrical charge in said storage element, a differentiating means for developing energy pulses from the amplified output energy at time periods corresponding to the abrupt change in storage element charge, a time constant circuit including a series connected capacity and a resistor element for supplying said developed energy pulses to the first thermionic means to control the operative periods thereof, said time constant period being of the same order as that desired in the developed sawtooth wave, and a utilization circuit connected to respond to the output energy of the second thermionic means.



2,418,426

COPOLYMERS OF VINYL THIOLESTERS AND ESTERS OF 1,4-BUTENEDIOIC ACIDS

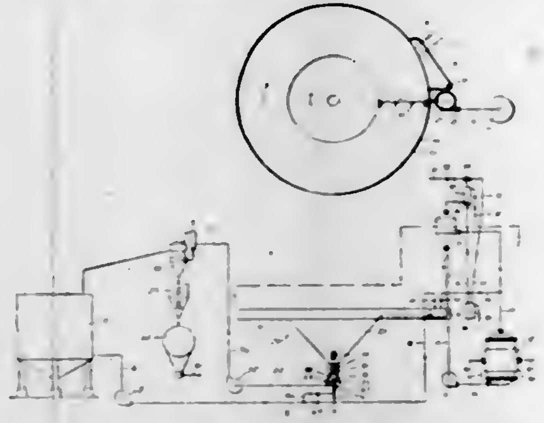
Lawrence Marion Richards, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 30, 1943, Serial No. 496,765
16 Claims. (Cl. 260—78)

1. Process for preparing copolymers which comprises exposing a mixture of 58 to 90 parts of a vinyl ester of a carbothiolic acid, 42 to 10 parts of a neutral ester of a saturated monohydric alcohol with 1,4-butenedioic acid, and an acyloin to ultraviolet light of such intensity and for a time sufficient to produce substantial polymerization.

2,418,427

MEANS FOR AND METHOD OF MAKING SALT

Clinton S. Robison, Chicago, Ill.
Application October 12, 1942, Serial No. 461,682
4 Claims. (Cl. 23—303)



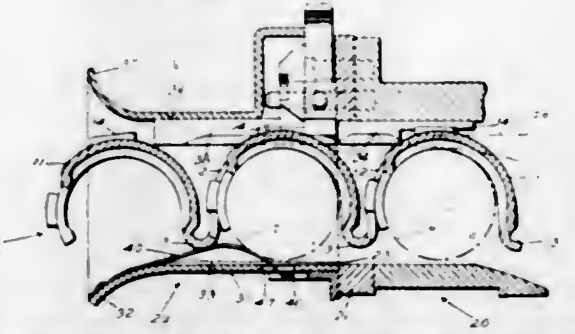
3. The method of making salt in a grainer, the evaporative cooling portion of which is of circular form, comprising continuously supplying a feed of supersaturated brine through nozzles so directed that the brine is given a circular movement evaporatively cooling and crystallizing salt therefrom in said portion, withdrawing a crystal sludge by a centripetal vortex in a depending central portion of said grainer, continuously withdrawing saturated brine substantially free of crystals from said grainer into a communicating well, supplying fresh brine to said well, withdrawing a stream of brine from said well, heating said stream in a heater, dividing the brine from said heater into two streams, returning one stream to said well, flash evaporating the other stream so as to produce a supersaturated brine, and returning said supersaturated stream as said feed to said grainer.

4. A grainer having a shallow cylindrical top portion, a nozzle disposed to discharge brine into said cylindrical top portion substantially circumferentially thereof, an intermediate portion in part at least of substantially inverted frusto-conical form substantially concentric with and depending from said top portion, said intermediate portion being of materially less diameter than said top portion, and a well adjacent a portion of the periphery of said top portion remote from the discharge end of said nozzle, said portion of the periphery of said top portion having an opening therein providing a connection between said top portion and said well.

2,418,428

CARTRIDGE FEEDING MECHANISM

Henning W. Rundquist, East Lansing, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 14, 1945, Serial No. 616,332
3 Claims. (Cl. 89—33)



1. In combination with a machine gun having a feed chute secured to the gun and having guides therein arranged to support for movement therethrough the links of a disintegrating link belt of cartridges, the improvement comprising, a leaf type spring, one end of which is fastened to the base of the feed chute. said spring projecting upwardly into the path of feeding movement of the belt of cartridges, the free end of said spring being constructed and arranged to engage the bottom portion of each successive link whereby said spring biases the last link into proper position for engagement by said guides.

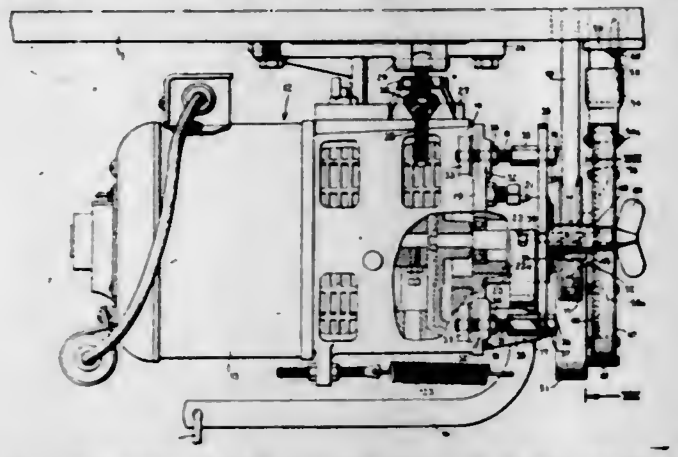
2,418,429

SEWING MACHINE

George Sauer, Chicago, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application May 12, 1942, Serial No. 442,585
5 Claims. (Cl. 112—218)

1. In combination a sewing machine having stitch forming devices including a needle, means for operating said needle, power means including a motor and clutch unit for driving said needle operating means, said unit having a frame and a shaft journalled therein, said shaft being shiftable axially in the engagement and disengagement of the clutch of said unit, a blower having a rotor and a housing, the rotor being operatively connected with said shaft of said motor and clutch unit, a support member mounted on the frame of said motor and clutch unit for angular and axial adjustment in relation thereto, means

for detachably connecting the blower housing in fixed relation to said support member, and a conduit for delivering air from said blower to the region in which said needle is operated, said angular and axial adjustment of said support member enabling proper clearance between the rotor and housing at all times.



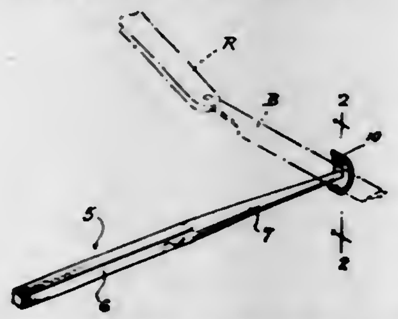
2,418,430

RAZOR AND SHEAR SHARPENER

Ernest F. Schief, Medford, Wis.

Application August 9, 1946, Serial No. 689,549

4 Claims. (Cl. 51—212)



1. A razor and shear sharpener comprising, a hard metal rod having a portion thereof of substantially rectangular configuration with one end merging into a substantially frusto-conical portion, a threaded stud formed on the smaller end of the frusto-conical portion of the rod, and an arcuate guide removably screwed on the threaded stud with its extremities directed toward the rectangular portion of the rod.

2,418,431

CEMENT COMPOSITION

Edward W. Scripture, Jr., Shaker Heights, Ohio

No Drawing. Application August 13, 1941, Serial No. 406,723

3 Claims. (Cl. 106—92)

1. A concrete or mortar mix for making structural concrete and the like, consisting of an hydraulic cement of the Portland type, a strengthening and plasticizing agent comprising sugar in an amount of from .01% to .5% of the weight of the cement in the mix, and calcium chloride in an amount from .5% to 2% of the weight of the cement, the balance being substantially entirely inert aggregate and water.

2,418,432

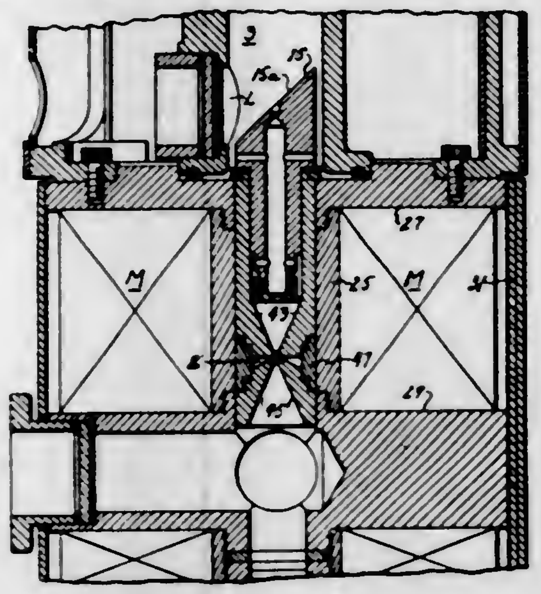
MAGNETIC ELECTRON LENS SYSTEM

Perry C. Smith, Moorestown, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application May 1, 1944, Serial No. 533,521

7 Claims. (Cl. 250—49.5)

1. Method of changing the range of magnification of an electron lens of the type including a magnet and a gap in the path of the flux of said magnet through which electrons travel in their journey from a source to a target, said method comprising altering the physical length of said gap.



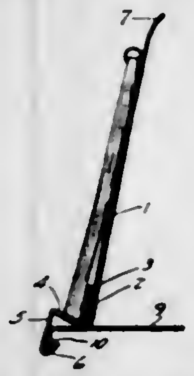
2,418,433

EASEL

Louis Solem, Minneapolis, Minn.

Application March 1, 1946, Serial No. 651,290

5 Claims. (Cl. 120—28)



1. An easel comprising an elongated supporting bar, a laterally offset integrally formed article retaining lip extending upwardly from the base of said bar, and in close proximity thereto, and an integrally formed article supporting shelf extending forwardly from said retaining lip, said shelf at its extreme outer edge being formed downwardly and backwardly to provide an anchoring hook.

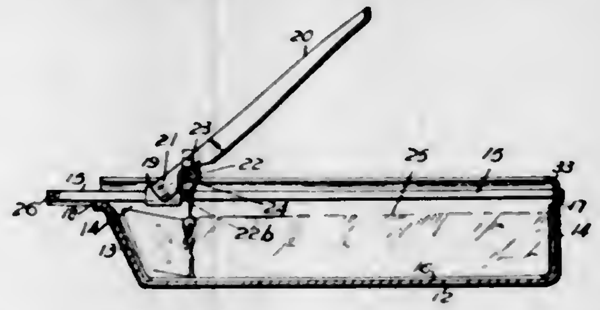
2,418,434

METHOD AND MEANS OF HARVESTING ICE

Richard M. Storer, Denver, Colo.

Application July 8, 1939, Serial No. 283,383

42 Claims. (Cl. 62—111)



42. An ice freezing tray and ice fracturing means adapted to slidably engage said tray, said means being operable to pierce and thereby fracture ice in the tray.

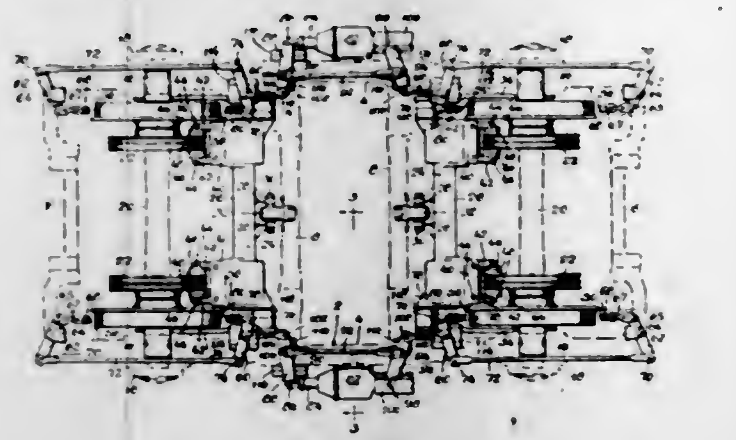
2,418,435

BRAKE

Carl E. Tack, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey

Application May 1, 1943, Serial No. 485,275

26 Claims. (Cl. 188—33)



1. In a brake arrangement, a vehicle frame, spaced supporting wheel and axle assemblies each comprising an axle with wheels thereon and journal boxes on said axle outboard the respective wheels, a plurality of brake rotors driven by each assembly, a substantially C-shaped brake yoke adjacent each assembly and comprising a transverse member supported from the vehicle frame and longitudinally extending torque arms supported from respective journal boxes, friction means mounted on said yoke for braking the associated rotors, and brake rigging for each side of said vehicle comprising dead truck levers fulcrumed from said frame at opposite sides of each wheel, interconnected live and dead auxiliary levers connected to respective of said truck levers, a power cylinder on said frame, and interconnected live and dead cylinder levers connected at their outboard ends to opposite ends of said cylinder and connected at their inboard ends to respective of said live auxiliary levers, each of said transverse members being offset adjacent its juncture with the associated torque arms to define therewith slots for the reception of the associated dead truck levers.

2,418,436

IDENTIFYING MINUTE MEASUREMENT

Russell P. Talbot, Detroit, Mich.

Application July 5, 1943, Serial No. 493,509

4 Claims. (Cl. 116—114)

3. An indicating device comprising a pair of superposed relatively movable elements, each having a general view area of substantially uniform appearance throughout formed with minute opaque portions and substantially equal clear portions with the clear portions of at least the top member being transparent, the minute portions of each area, within the outline of a desired character notation being substantially complementary to each other, and the remaining portions of said areas being substantially non-complementary, whereby when said superposed elements are arranged so that said character notation outlines are superposed the character notation will appear substantially opaque and said remaining portions will be of contrasting appearance.

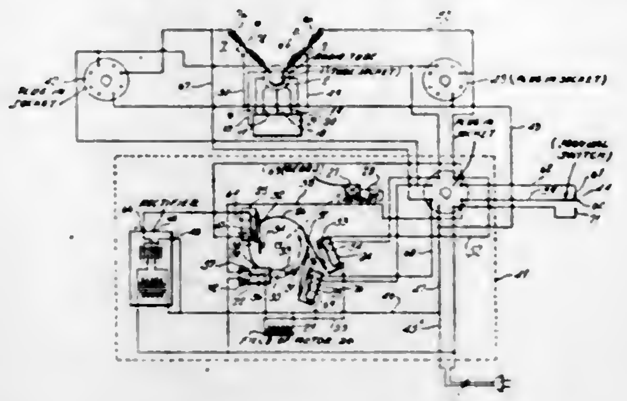
2,418,437

ELECTRON TUBE TAPPING DEVICE FOR DEFECT TESTING

Charles A. Vogt, St. Marys, Pa., assignor to Sylvania Electric Products Inc., Emporium, Pa., a corporation of Massachusetts

Application November 18, 1942, Serial No. 466,081

10 Claims. (Cl. 315—369)



1. Apparatus for determining the existence of unstandard conditions in a radio tube or the like, comprising means to support the tube at one end in a suitable socket, and means to subject the tube to repeated impacts at regularly recurrent timed intervals with the impacts being directed at different angles with respect to the main axis of the tube.

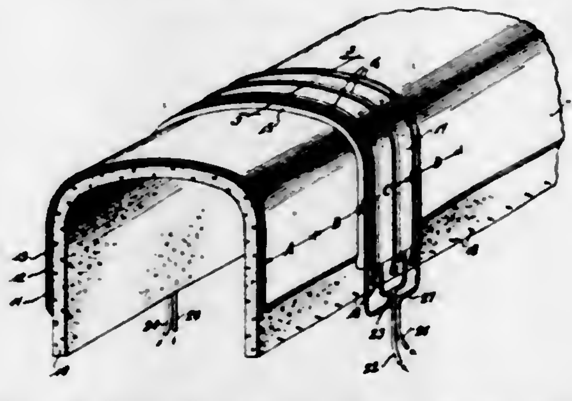
2,418,438

METHOD FOR PRODUCING CURVED LAMINATED STRUCTURES

Vilas E. Watts, San Francisco, Calif.

Application November 17, 1944, Serial No. 563,948

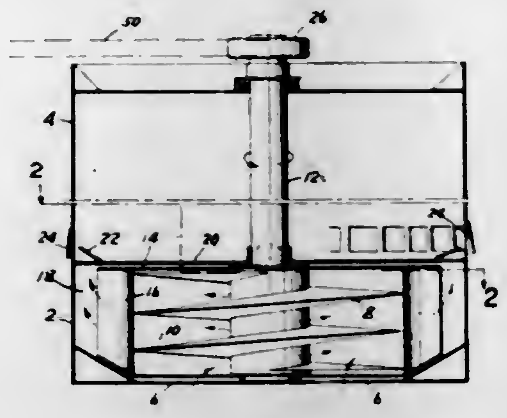
1 Claim. (Cl. 154—110)



A method for producing curved laminar structures of large dimensions and irregular contours containing adhesive between the opposing surfaces of the plies, comprising initially providing a stationary pressure-resisting form having a curvilinear surface of large area conforming to the desired curvilinear contour of the laminated structure to be produced, building up on said form a laminated structure embracing a plurality of plies with interposed layers of adhesive, applying pressure to all of a predetermined segment of the curved surface of said structure in a direction normal to said curved surface at all points thereof by fluid under pressure, applying heat to an intermediate part only of said segment, precluding the application of heat to that marginal part of said segment of the curved surface adjacent to the area of said structure which is not under pressure to prevent application of heat without pressure to areas of the structure that would be damaged by such heat, and repeating the application of heat and fluid pressure in the same manner to succeeding adjacent segments until all of the curved laminar structure has been cemented.

2,418,439
FLUID MOTOR

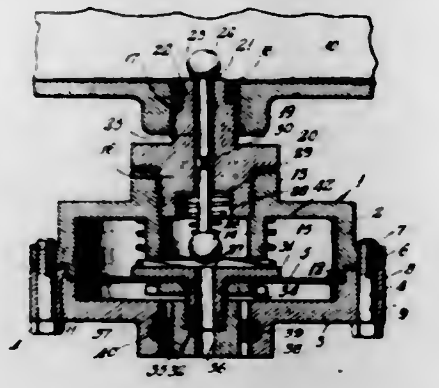
Francis M. Wetherill, Philadelphia, Pa.
Application December 20, 1943, Serial No. 514,907
1 Claim. (Cl. 253—14)



In combination, a shaft, an inflow and an outflow motor arranged to drive the shaft in the same direction, each motor being adapted to be operated by waves whereby frequent changes of liquid levels relative to the motors take place, each motor having a casing, there being an upper chamber and lower cylindrical chamber in each casing, means defining a helical passage in each lower chamber about the axis of said chamber open at its periphery, a runner arranged about each passageway to be driven by the liquid revolving in said passage during its progress therethrough, an annular passage surrounding the runner in each lower chamber, a partition between the chambers of the inflow motor, there being an inlet to the bottom of the lower chamber of said inflow motor, check valves in the partition between the two chambers opening from said annular passage and outwardly opening check valves from the upper chamber of the inflow motor, the lower chamber of the outflow motor having a closed bottom, a plurality of check valves opening into the upper chamber of its casing, an inlet from said upper chamber of the outflow motor to the helical passageway, and outwardly opening check valves in the bottom of the lower chamber opening outwardly from the passage surrounding the runner of the outflow motor.

2,418,440
PRESSURE OPERATED DRAIN VALVE

Martin H. White, Raleigh, and Herbert R. Johnson, Durham, N. C.
Application January 5, 1945, Serial No. 571,708
10 Claims. (Cl. 303—88)



1. A fluid pressure operated drain valve adapted to be connected to a fluid pressure tank and including a casing forming a chamber and having an inlet passage provided with a valve seat, a diaphragm dividing the chamber into an upper fluid pressure receiving portion and a lower fluid pressure receiving portion and having an outlet passage discharging through the bottom of the casing and provided with a valve seat, and a valve element comprising a stem operating in the inlet passage and provided at its upper end with a valve member cooperating with and normally engaging the seat of the inlet passage and forming therewith an inlet valve, said stem being provided at its lower end with a valve member normally spaced from the valve seat of the outlet passage and forming therewith a discharge valve, said diaphragm when subjected to fluid pressure in the lower portion of said chamber operating to close the discharge valve, the inlet and discharge valves being responsive to varying pressures on the diaphragm operating either to close both valves or to open one valve and close the other valve.

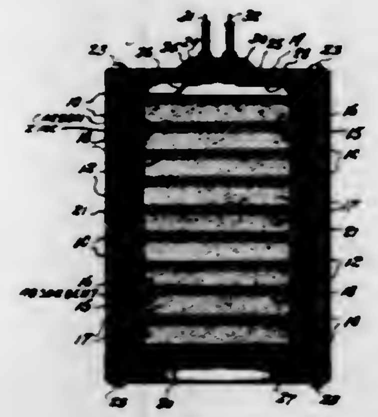
2,418,441
HYDROGENATION OF ORGANIC COMPOUNDS USING TITANIUM HYDRIDE AS A CATALYST

Gerald M. Whitman, Claymont, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 1, 1944, Serial No. 561,501
5 Claims. (Cl. 260—464)

1. An improved hydrogenation process which comprises heating with hydrogen, in the presence of catalytic amounts of titanium hydride, an unsaturated organic compound containing a triple bond between carbon and an element having an atomic weight within the range of from 12 to 15.

2,418,442
MULTICELL FLAT TYPE DRY BATTERY

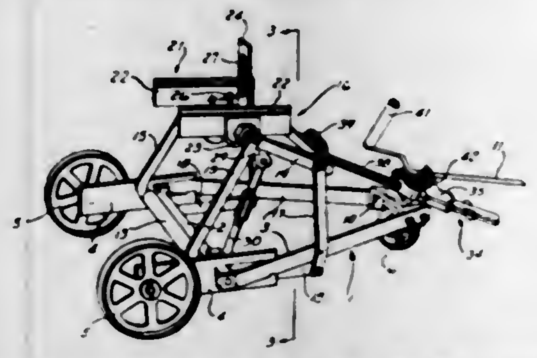
Herman W. Wiencke, Flushing, N. Y., assignor to Hearing Aid Battery Corp., Newark, N. J., a corporation of New Jersey
Application June 23, 1945, Serial No. 601,260
1 Claim. (Cl. 136—111)



A multicell dry battery comprising a plurality of self series connecting battery units, each unit comprising a container member made of material which is both electrically non-conductive an inert to the chemical constituents of battery elements, said container members each comprising a body section and a neck section of reduced external and internal dimensions in order to provide the same respectively with outwardly open communicating chambers and an internal seating ledge coincident with the juncture thereof, a duplex electrode of plate-like form comprising an anode layer and a cathode layer in conductive contact, said duplex electrode being seated on and sealed to said seating ledge within and across the body section chamber, a depolarizer pack lodged within the neck section chamber, the neck section of one container member being telescopically received in the body section chamber of an adjoining container member, whereby a depolarizer pack is operatively disposed between an anode layer of a duplex electrode of one container member and the cathode layer of a duplex electrode of an adjoining container member, a cover plate for each end of the container member assembly, tie-bolts extending through the aligned end portions of said container members and cover plates, a pair of battery terminal outlet means carried by one of said cover plates, a conductive lead extending between one pole of the series connected battery units directly to one of said terminal outlet means, a conductive lead extending between the other pole of the series connected battery units to the adjacent end portion of one of said tie-bolts, and a conductive lead extending from the opposite end portion of said latter tie-bolt to the other of said terminal outlet means.

2,418,443
JACK

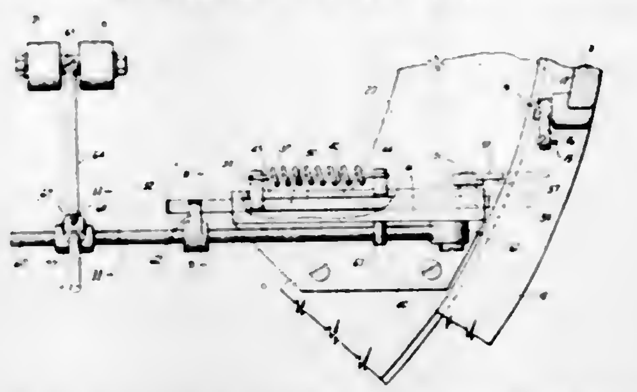
Arthur W. A. Wiesner, Cameron, Wis.
Application November 10, 1944, Serial No. 562,813
1 Claim. (Cl. 254—7)



A device of the character described comprising a wheel-supported stand, a foldable frame mounted on the stand, said frame including pairs of front and rear legs pivotally mounted for vertical swinging movement on the frame and a substantially U-shaped member pivotally mounted on said legs, a work rest including trunnions journaled in said U-shaped member and in certain of the legs rockably supporting said work rest in said member, an arm fixed on one of the trunnions, a rod pivotally connected to said stand and to said arm for maintaining the work rest in a substantially horizontal position when the stand is raised and lowered, and means for raising and lowering the stand.

2,418,444
STOP MECHANISM FOR KNITTING MACHINES

Stanley A. Wytovich, Allentown, Pa., assignor to Blossom Products Corporation, Allentown, Pa., a corporation of Pennsylvania
Application July 10, 1946, Serial No. 682,572
12 Claims. (Cl. 66—167)

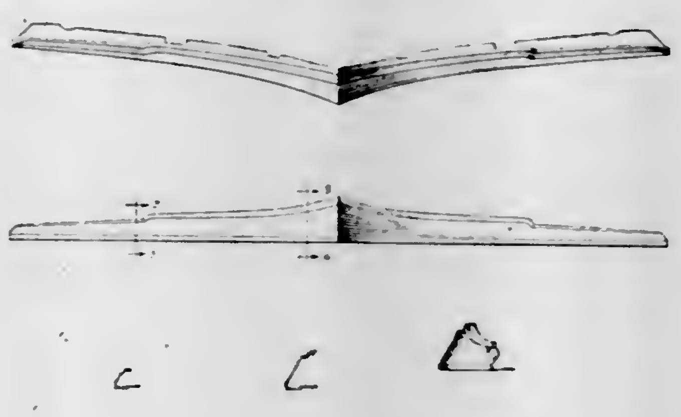


1. A stop mechanism for a circular knitting machine of the type having an annular ring supported on the machine frame and rotated during the knitting operation, a take-up reel carried by the said ring, and an electrical control switch secured on the machine frame, said stop mechanism being adapted to stop the machine when the said take-up reel has built-up to a predetermined fabric content, comprising, in combination, a bell-crank lever pivotly mounted on the machine frame with its horizontal leg articulated to said switch and with its vertical leg disposed close to the said rotating ring, an angle bracket secured to the said ring to dispose its vertical flange, when approaching the said bell-crank lever, normal to a plane therethrough, a channel secured to one face of the said bracket flange and having an elongated slot in its web and a pin projecting therefrom, a bar slidably mounted in the recess of said channel and provided with a pin clearing through said slot, a trip finger at its end adjacent the said bell-crank lever, and a hook at its other end, a tensile spring secured between the said pins of the slide bar and channel, a lever pivotly mounted at one end to the other face of said bracket flange for a limited extent of vertical turning and provided with a latch dog adapted in the lower position of the lever to engage the said hook to retain the slide bar in inoperative position with its trip finger spaced from the said bell-crank lever and with the said spring tensioned to move the bar to operative position, a contact rod secured transversely of said lever, and a pair of contact rollers mounted at the lower end of said rod and adapted to be engaged by the peripheral fabric of the take-up reel when built-up to its said predetermined fabric content.

DESIGNS

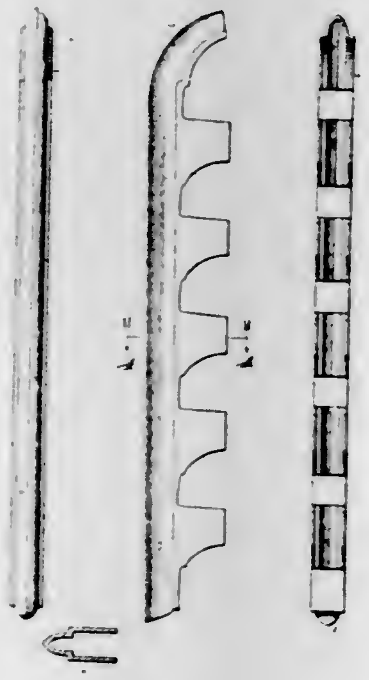
APRIL 1, 1947

146,534
DESIGN FOR AN AUTOMOBILE TRIM BAR
Robert Cadwallader, Detroit, Mich.
Application December 29, 1945, Serial No. 125,127
Term of patent 7 years
(Cl. D14—18)



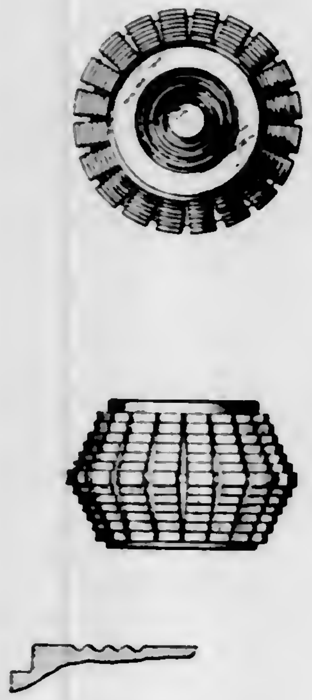
The ornamental design for an automobile trim bar, substantially as shown.

146,535
DESIGN FOR AN AUTOMOBILE GRILLE BAR
Robert Cadwallader, Detroit, Mich.
Application December 29, 1945, Serial No. 125,128
Term of patent 7 years
(Cl. D14—18)



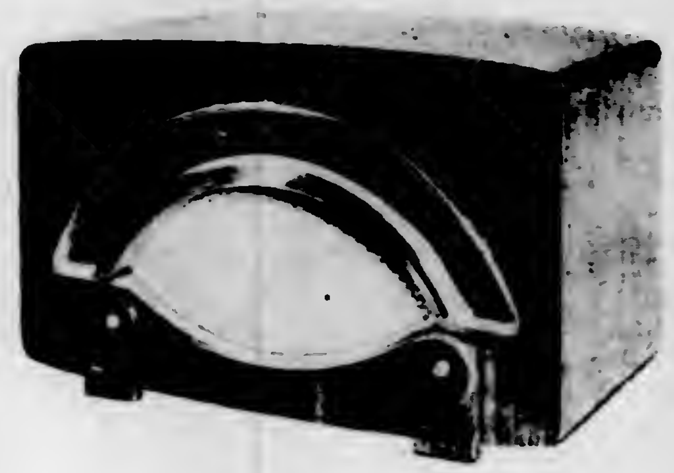
The ornamental design for an automobile grille bar, substantially as shown.

146,536
DESIGN FOR A CONTAINER CAP
Philip A. Derham, Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York
Application May 28, 1945, Serial No. 119,772
Term of patent 14 years
(Cl. D58—26)



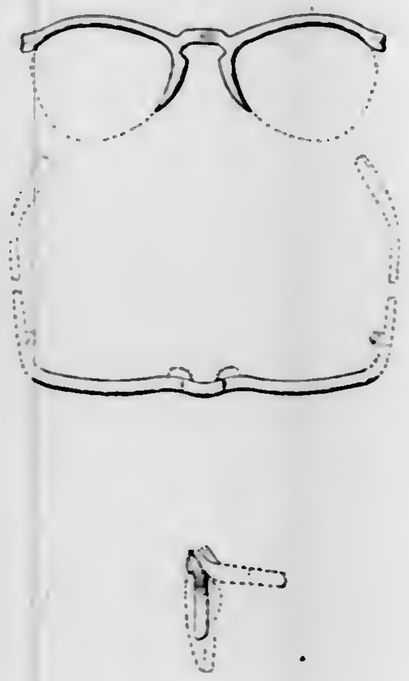
The ornamental design for a container cap, substantially as shown.

146,537
DESIGN FOR A RADIO CABINET
Jack De Young, Grand Haven, Mich., assignor to Zenith Radio Corporation, a corporation of Illinois
Application December 8, 1945, Serial No. 124,513
Term of patent 3½ years
(Cl. D56—4)



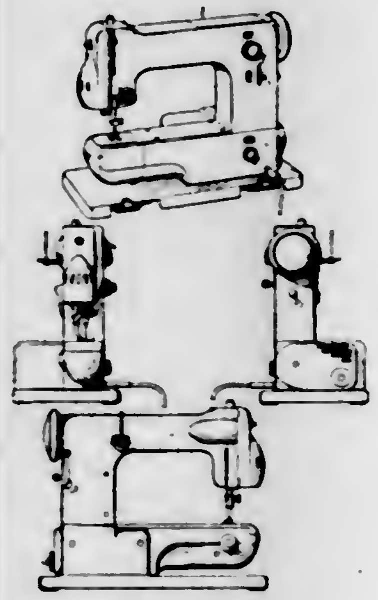
The ornamental design for a radio cabinet, as shown and described.

146,538
DESIGN FOR A SPECTACLE FRAME OR THE LIKE
Louis L. Gagnon, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application January 2, 1946, Serial No. 125,230
Term of patent 14 years
(Cl. D57—1)



The ornamental design for a spectacle frame or the like, substantially as shown and described.

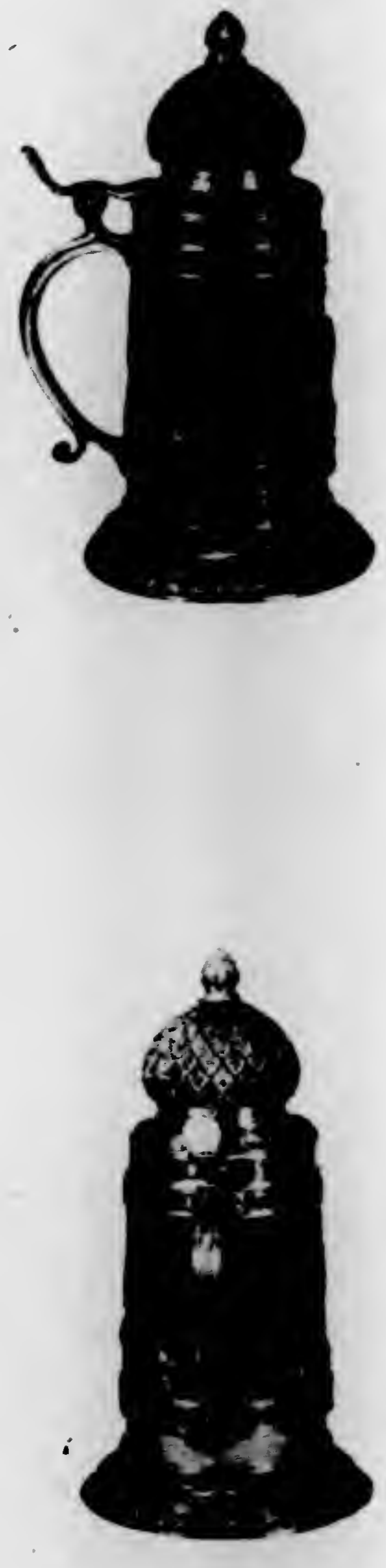
146,539
DESIGN FOR A SEWING MACHINE
Fritz Gegauf, Steckborn, Switzerland, assignor to Fritz Gegauf's Sonne Aktiengesellschaft, Steckborn, Switzerland
Application February 26, 1946, Serial No. 126,940
In Switzerland October 5, 1945
Term of patent 14 years
(Cl. D70—1)



The ornamental design for a sewing machine, substantially as shown.

146,540
DESIGN FOR A STEIN
Joseph Gmeindl, Milwaukee, Wis.
Application January 16, 1946, Serial No. 125,592
Term of patent 14 years
(Cl. D44—9)

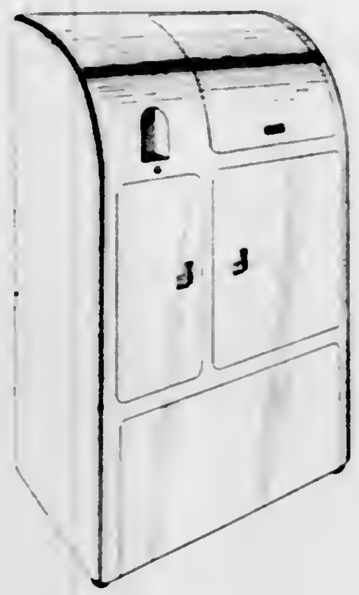
146,540—Continued



The ornamental design for a stein, substantially as shown.

146,541
DESIGN FOR A REFRIGERATOR

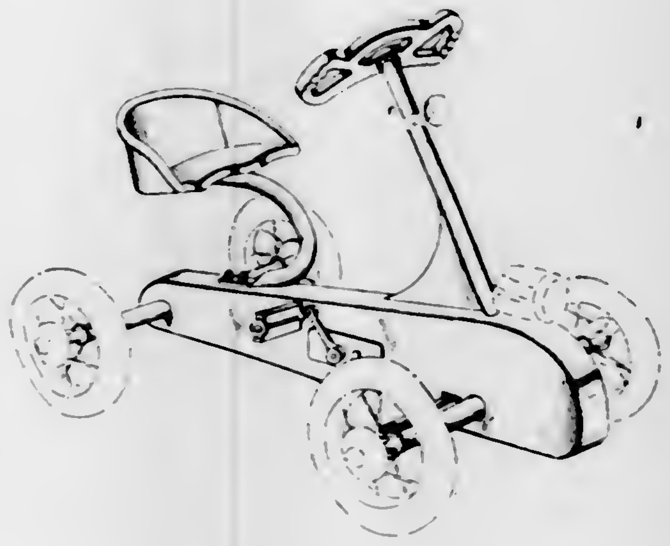
Alice G. Hansen, New York, N. Y.
Application September 20, 1945, Serial No. 122,210
Term of patent 14 years
(Cl. D67—3)



The ornamental design for a refrigerator, as shown.

146,542
DESIGN FOR A VEHICLE

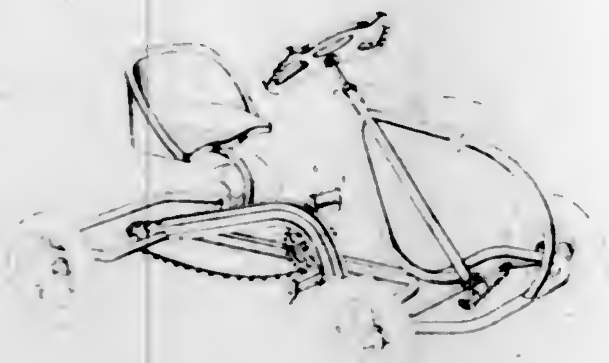
Arno Hecht, Babylon, N. Y., assignor to Henry Allan Sherwood
Application April 12, 1946, Serial No. 128,505
Term of patent 14 years
(Cl. D34—15)



The ornamental design for a vehicle, substantially as shown and described.

146,543
DESIGN FOR A VEHICLE

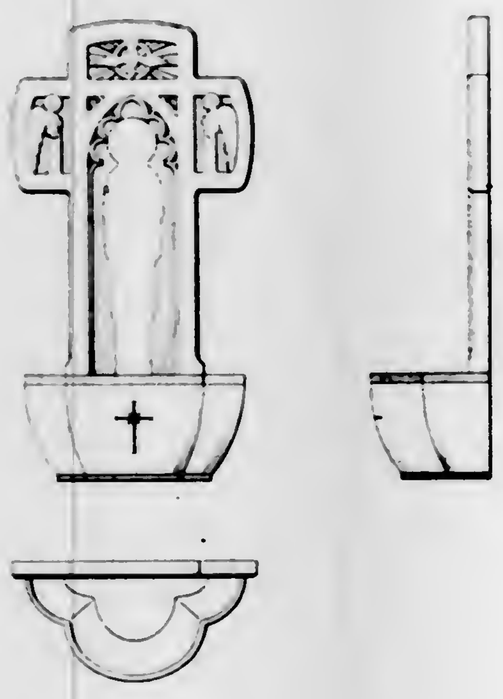
Arno Hecht, Babylon, N. Y., assignor to Henry Allan Sherwood
Application April 17, 1946, Serial No. 128,672
Term of patent 14 years
(Cl. D34—15)



The ornamental design for a vehicle, substantially as shown and described.

146,544
DESIGN FOR A HOLY WATER FONT

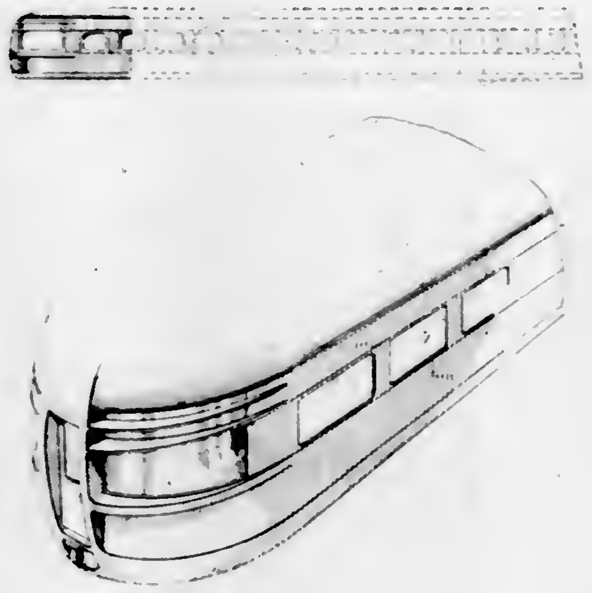
William Taylor Jones, Scranton, Pa., assignor to Consolidated Molded Products Corporation, Scranton, Pa., a corporation of Delaware
Application March 19, 1946, Serial No. 127,667
Term of patent 14 years
(Cl. D29—23)



The ornamental design for a holy water font, as shown.

146,545
DESIGN FOR A RAIL VEHICLE

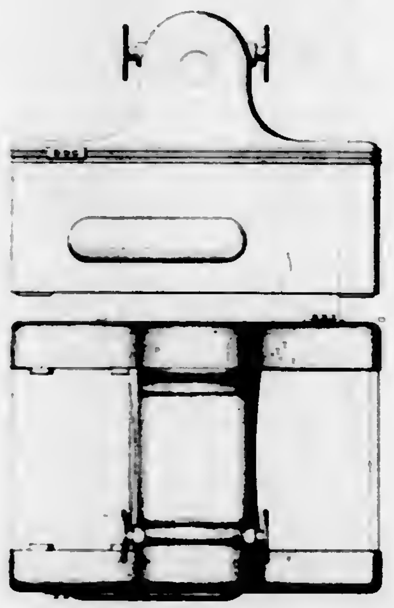
Otto Kuhler, Blauvelt, N. Y., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application September 4, 1945, Serial No. 121,837
Term of patent 14 years
(Cl. D66—1)



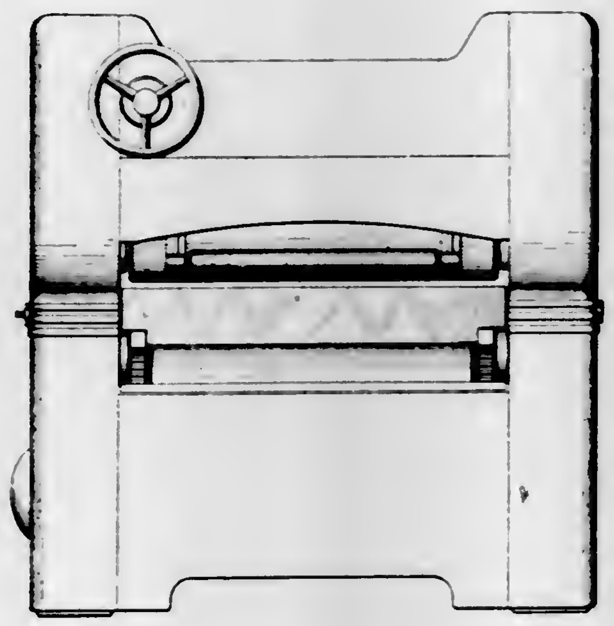
The ornamental design for a rail vehicle, substantially as shown and described.

146,546
DESIGN FOR A MATRIX ROLLER

George R. Steele, Battle Creek, Mich., assignor to The Duplex Printing Press Company, Battle Creek, Mich., a corporation of Michigan
Application May 23, 1946, Serial No. 130,018
Term of patent 14 years
(Cl. D64—11)



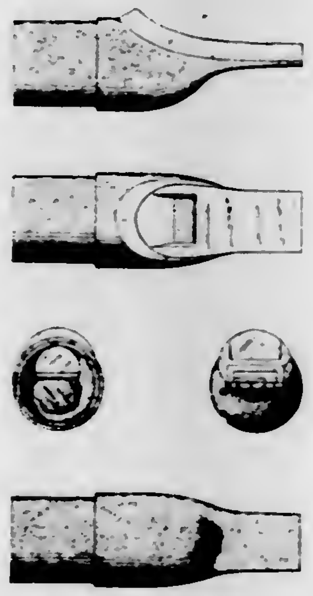
146,546—Continued



The ornamental design for a matrix roller, substantially as shown.

146,547
DESIGN FOR A MUSICAL INSTRUMENT MOUTHPIECE

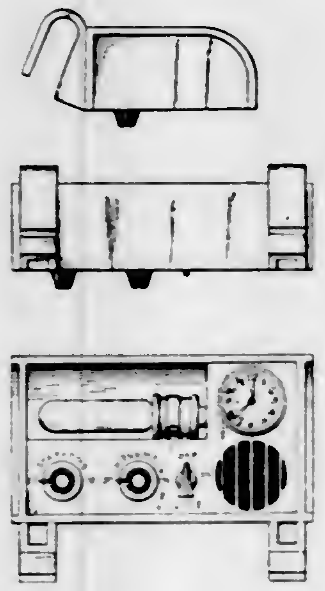
Josephus Thompson, Covington, Ohio, assignor of one-third to Grossman Music Company, Cleveland, Ohio, a partnership
Application March 7, 1946, Serial No. 127,180
Term of patent 14 years
(Cl. D56—1)



The ornamental design for a musical instrument mouthpiece, substantially as shown.

146,548
DESIGN FOR A COMBINED RADIO, CLOCK, AND BED LAMP

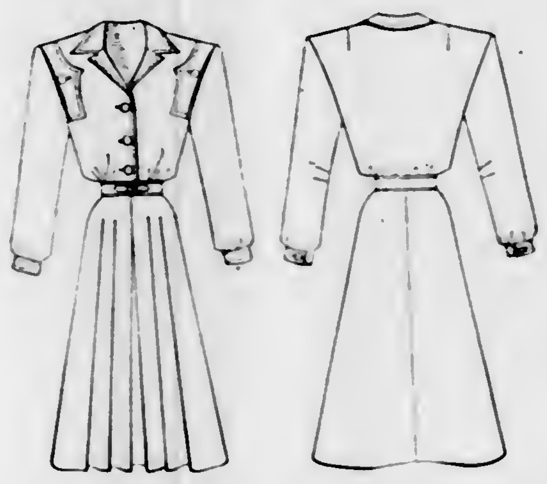
Michael F. Valinski and Ernest W. Leyva, San Diego, Calif.
Application February 15, 1946, Serial No. 126,596
Term of patent 3½ years
(Cl. D56—4)



The ornamental design for a combined radio, clock, and bed lamp, as shown.

146,549
DESIGN FOR A DRESS

Jane Walker, New York, N. Y.
Application November 20, 1946, Serial No. 134,927
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

W. AVERELL HARRIMAN, *Secretary*

U. S. Patent Office

CASPER W. OOMS, *Commissioner*

PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

Contents

Page
Issue of April 8, 1947 143
Patents Expiring 143
Applications Under Examination 144
Decisions of the U. S. Courts—
In re Curley et al. 145
Patent Suits 148
Trade-Mark Registrations Canceled 149
Notices
Disclaimers 150
Adverse Decisions in Interference 150
Notice of Cancellation 150
Register of Patents Available for Licensing or Sale 150
Trade-Marks Published (176 Applications) 155
Trade-Mark Registrations Granted 179
Trade-Mark Registrations Renewed 187
Reissues 191
Patents Granted 193
Designs 281

April 8, 1947

Trade-Marks	129	—No. 428,834 to No. 428,962, inclusive
T. M. Renewals. . . .	90	
Reissues	5	—No. 22,861 to No. 22,865, inclusive
Patents	363	—No. 2,418,445 to No. 2,418,807, inclusive
Designs	40	—No. 146,550 to No. 146,589, inclusive
Total	627	

Patents expiring: Patent Numbers 1,753,190 to 1,754,215, inclusive, issued April 8, 1930, expire April 8, 1947

Condition of Applications Under Examination at Close of Business March 21, 1947

(Total number of applications awaiting action, excluding Trade-Mark Division, 143,247; Trade-Mark Division, 12,618. Oldest new case, June 29, 1945; oldest amended, July 2, 1945.)
(The dates given are 1945 except where * indicates 1946.)

Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action		No. of applications awaiting action
	New	Amended	
1. GOLDBERG, A. J., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	Aug. 17	Nov. 13	2847
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	Oct. 15	Oct. 8	3410
3. SCHIMMEL, J., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	Oct. 10	Oct. 5	2022
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Package and Article Carriers; Pneumatic Dispatch; Store Service; Mining, Quarrying, and Ice Harvesting.	Nov. 13	Nov. 2	2780
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	July 3	July 14	4296
6. GENIESSE, E. W., Carbon Chemistry (part)	*Jan. 26	*Feb. 15	1911
7. HANLIN, GEORGE, Optics, Photography	*Mar. 18	*Apr. 1	1953
8. IMUS, A. E., Furniture; Kitchen and Table Articles; Racks and Cabinets	Oct. 4	Oct. 8	3802
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	Oct. 3	Sept. 6	2200
10. ANDRUS, L. M., Radiant Energy (part. e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Modulators.	Dec. 10	Dec. 4	1460
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	*June 28	*June 24	806
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	Nov. 23	Nov. 8	2708
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	June 29	Aug. 6	2252
14. FREEHOF, H. B., Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	Nov. 29	Dec. 14	1481
15. HENKIN, B., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Heterocyclic Compounds (part); Plastics.	*Mar. 12	*Mar. 8	1282
16. LOVEWELL, N. N., Telegraphy; Telephony	*Feb. 23	*Feb. 8	1240
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	*Jan. 3	Nov. 10	1288
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	Aug. 2	Aug. 30	1888
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	*Jan. 17	*Jan. 12	1796
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	Oct. 1	Oct. 8	2170
21. THOMPSON, T. J., Textiles	*Mar. 18	*June 10	897
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Nov. 14	Nov. 15	1947
23. LEWIS, J. B., Cash Registers; Calculators (part)	Dec. 1	*Feb. 15	237
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	*July 23	*Aug. 2	1541
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Oct. 1	Nov. 2	1698
26. YOUNG, R. R., Electricity—Generation and Motive Power	Oct. 2	Nov. 8	2151
27. JAMES, S., Brush, Broom, and Mop Making; Brushing, Scrubbing, Cleaning; Liquid Contact with Solids	Dec. 1	Nov. 30	2337
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons	Aug. 28	Aug. 6	1618
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools	Sept. 28	Dec. 8	2509
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	Dec. 13	Dec. 6	2452
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	*Sept. 21	*Sept. 18	722
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Nov. 29	Dec. 3	2413
33. KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	Oct. 18	Oct. 10	3539
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators	Dec. 12	Dec. 22	1348
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Nov. 16	Nov. 13	2276
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	Sept. 17	Sept. 18	1876
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	*Jan. 5	*Jan. 10	1526
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part); Rubber (part); Ornamentation	*Jan. 22	*Jan. 2	1381
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	Aug. 17	Aug. 14	2593
40. DRUMMOND, E. J., Receptacles (part); Packages	Dec. 29	*Jan. 3	2833
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Oct. 24	Nov. 2	862
42. MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters	*Apr. 26	*May 3	1030
43. STONE, I. G., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	*Apr. 5	*Jan. 4	1065
44. HARVEY, L. P., Refrigeration; Preserving	July 17	Aug. 27	1372
45. LISANN, I., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Spring, Weight and Horsepower Motors.	Oct. 4	Sept. 20	2445
46. MUSHAKE, W. I., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	*Jan. 4	*Jan. 3	1682
47. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	*Jan. 5	*Jan. 7	2843
48. BERNSTEIN, S., Electricity, General Applications; Electric Igniters	Sept. 7	Sept. 6	2009
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	*Jan. 7	Nov. 14	1578
50. LEVIN, SAMUEL, Synthetic Resins	*Feb. 6	*Feb. 6	2473
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae).	Nov. 2	Nov. 3	2163
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	Nov. 30	Nov. 28	3318
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	July 27	July 2	4191
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	Oct. 24	Nov. 24	2145
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	Sept. 14	Oct. 26	1877
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	*Jan. 8	*Jan. 7	1449
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Aug. 27	Oct. 29	3059
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	*Feb. 14	*Feb. 19	1412
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part)	Sept. 13	Sept. 25	2094
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	Oct. 8	*Jan. 7	1954
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys and Ships.	Nov. 13	Nov. 8	2669
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	Aug. 9	Aug. 3	4025
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	Nov. 20	Sept. 28	2017
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	*Sept. 9	*Sept. 9	1115
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	Sept. 14	Sept. 20	2300
TRADE-MARKS: MERCHANT, J. H	*Apr. 11	*Oct. 18	12618
DESIGNS: BREHM, G. L., Acting	*Jan. 18	*Oct. 21	8575

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Aaron Beauty Supply Company: *See—*
Aaron, Frank.

Aaron, Frank, doing business as Aaron Beauty Supply Company, Brooklyn, N. Y. Packaged hair pomade and dressing. Serial No. 501,105; Apr. 8. Class 6.

Abbott Laboratories, North Chicago, Ill. Container charged with a medicament. Serial No. 499,369; Apr. 8. Class 6.

Aktiebolaget C. E. Johansson, Eskilstuna, Sweden. Measuring tools. Serial No. 493,877; Apr. 8. Class 26.

All Aluminum Door Company, Chicago, Ill. Garage doors. Serial No. 510,923; Apr. 8. Class 12.

American Cyanamid & Chemical Corporation, assignor to American Cyanamid Company, New York, N. Y. Insecticides. Serial No. 501,224; Apr. 8. Class 6.

American Cyanamid Company, assignee: *See—*
American Cyanamid & Chemical Corporation.

American Needlecrafts, Inc., New York, N. Y. Handkerchief cases, lingerie cases, cosmetic cases, etc. Serial No. 494,419; Apr. 8. Class 2.

Anaconda Wire and Cable Company, New York, N. Y. Lead and lead alloy sheaths and sleeves. Serial No. 508,831; Apr. 8. Class 21.

Associated Products, Inc., Chicago, Ill. Manicure implement sets, manicure scissors, nail files, etc. Serial No. 498,483; Apr. 8. Class 44.

Bamberger, L., & Co., Newark, N. J. Window curtains, drapes, and fabric upholstery coverings in the piece. Serial No. 497,363; Apr. 8. Class 42.

Bay Chemical Co., Inc., The, Bay City, Mich. Chemical weed exterminator. Serial No. 499,987; Apr. 8. Class 6.

Beatrice Creamery Company, Chicago, Ill., now by change of name to Beatrice Foods Co., Dover, Del. Eggs. Serial No. 477,051; Apr. 8. Class 46.

Beatrice Foods Co.: *See—*
Beatrice Creamery Company.

Bee-Em Manufacturing Co., Inc., Brooklyn, N. Y. Bob pins, hair pins, combs, and non-electric hair curlers. Serial No. 508,138; Apr. 8. Class 40.

Belding Heminway Company, New York, N. Y. Women's leather and plastic handbags. Serial No. 511,789; Apr. 8. Class 3.

Bergman Laboratory, Houston, Tex. Medicine in capsule form. Serial No. 505,178; Apr. 8. Class 6.

Bird and Bottle Limited, The, Phillipstown and Garrison, N. Y. Coffee. Serial No. 506,575; Apr. 8. Class 46.

Blits Manufacturing Company, Inc., New York, N. Y. Finger rings. Serial No. 505,729; Apr. 8. Class 28.

Botany Worsted Mills, Passaic, N. J. Lipsticks. Serial No. 506,507; Apr. 8. Class 6.

Boyd-Richardson Company, St. Louis, Mo. Leather shoes. Serial No. 492,357; Apr. 8. Class 39.

Brown, Angel P., Endicott, N. Y. Skin ointment. Serial No. 498,579; Apr. 8. Class 6.

Brown, Frank R., El Centro, Calif. Melons. Serial No. 504,879; Apr. 8. Class 46.

Buehrle, Philip H., & Son, Inc., Spotswood, N. J. Hydraulic jacks. Serial No. 506,367; Apr. 8. Class 23.

Canadian Forest Products Limited, New Westminster, British Columbia, Canada. Veneer for making plywood and plywood made of laminated veneers. Serial No. 505,936; Apr. 8. Class 12.

Carfa A. G. Fabrik Chemisch-Technischer Bureaumaterialien, Bern, Switzerland. Carbon papers and typewriter ribbons. Serial No. 500,143; Apr. 8. Class 11.

Clark, D. L., Company, The, Pittsburgh, Pa. Candies. Serial No. 505,184; Apr. 8. Class 46.

Columbia Chemical Company, New Orleans, La. Bleaching compound. Serial No. 493,252; Apr. 8. Class 6.

Columbia Chemical Company, New Orleans, La. Pine oil disinfectant. Serial No. 493,253; Apr. 8. Class 6.

Cooperative Seed & Farm Supply Service, Inc., Richmond, Va. Mixture of ingredients for making insecticides and fungicides. Serial No. 485,942; Apr. 8. Class 6.

Cutico, Inc., Orange, N. J. Toilet preparations. Serial No. 488,202; Apr. 8. Class 6.

Davison Chemical Corporation, The, Baltimore, Md. Car body undercoating and sound deadener in the nature of paint. Serial No. 498,056; Apr. 8. Class 16.

De Benveniste, S., Paris, France. Eau de cologne, perfumes, face powders, etc. Serial No. 499,120; Apr. 8. Class 6.

De Lisser Manufacturing Corp., New Rochelle, N. Y. Electric household appliances. Serial No. 507,101; Apr. 8. Class 21.

Dennis, Norman S., Los Angeles, Calif. Clocks. Serial No. 505,561; Apr. 8. Class 27.

Detrex Corporation, Detroit, Mich. Cleaning solvent. Serial No. 503,804; Apr. 8. Class 4.

Diehl Research Laboratories, Ltd., Los Angeles, Calif. Vaginal syringes. Serial No. 499,324; Apr. 8. Class 44.

Dixon, Joseph, Crucible Company, Jersey City, N. J. Crucibles and furnace covers. Serial No. 511,802; Apr. 8. Class 34.

Dorzar Toy Studios Inc., New York, N. Y. Toy luminous animals. Serial No. 498,275; Apr. 8. Class 22.

Duriron Company, Inc., The, Dayton, Ohio. Nickel alloys and unfinished articles. Serial No. 496,215; Apr. 8. Class 14.

Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y. Electric illuminator for transparencies. Serial No. 496,769; Apr. 8. Class 21.

"Ed Hoxworth": *See—*
Hoxworth and Hoxworth.

El Paso Natural Gas Company, El Paso, Tex. Publication. Serial No. 504,887; Apr. 8. Class 38.

Englehardt, A. L., Company, Los Angeles, Calif. Dental gold solder. Serial No. 510,240; Apr. 8. Class 44.

Esterbrook Pen Company, The, Camden, N. J. Writing, drawing, and lettering pens; fountain pens, feeds, etc. Serial No. 499,219; Apr. 8. Class 37.

Etablissements Rigaud Inc., New York, N. Y. Perfumes and toilet waters. Serial No. 505,689; Apr. 8. Class 6.

Farmco, Inc., Jersey City, N. J., and New York, N. Y. Household type electric clothes washing machines. Serial No. 502,631; Apr. 8. Class 24.

Farmers Feed & Produce, Council Bluffs, Iowa. Poultry, cattle and hog feeds composed of egg mash. Serial No. 500,533; Apr. 8. Class 46.

Fessler, Albert L., doing business as Klee Laboratories, Indianapolis, Ind. Eyeglass cleaner. Serial No. 515,982; Apr. 8. Class 4.

Firestone Tire & Rubber Company, The, Akron, Ohio. Accelerators. Serial No. 494,551; Apr. 8. Class 6.

Fishbein & Co., Inc., New York, N. Y. Ladies' and misses' handbags. Serial No. 511,547; Apr. 8. Class 3.

Flying Tigers (American Volunteer Group—Chinese Air Force) Incorporated, The, New York, N. Y. Jewelry. Serial No. 506,025; Apr. 8. Class 28.

Flying Tigers (American Volunteer Group—Chinese Air Force) Incorporated, The, New York, N. Y. Jewelry. Serial Nos. 506,437–8; Apr. 8. Class 28.

Follsain Metals Ltd., Lutterworth, near Rugby, England. Machine belts, machine drums, sieves, etc. Serial No. 477,605; Apr. 8. Class 23.

Freeman, I., & Son, Inc., New York, N. Y. Silver flatware and hollowware. Serial No. 507,978; Apr. 8. Class 28.

Furane Plastics and Chemicals Company, Los Angeles, Calif. Liquid resins. Serial No. 495,542; Apr. 8. Class 1.

Game Creations, Inc., New York, N. Y. Board game. Serial No. 516,124; Apr. 8. Class 22.

Geiger, Dale, Company, The: *See—*
Geiger, Dale E.

Geiger, Dale E., doing business as The Dale Geiger Company, Lansing, Mich. Playground slides. Serial No. 491,754; Apr. 8. Class 22.

General Motors Corporation, Detroit, Mich. Repircoating, jet and turbine engines and parts thereof; Diesel blowers, etc. Serial No. 506,303; Apr. 8. Class 23.

Genero, Leon C., doing business as Genero Machine Works, Long Beach, Calif. Toy sewing machines. Serial No. 502,512; Apr. 8. Class 22.

Genero Machine Works: *See—*
Genero, Leon C.

Gordon-Lacey Chemical Products Co., New York, N. Y. Plastic coating compounds. Serial No. 484,740; Apr. 8. Class 6.

Gort, Eric H., Inc., Metuchen, N. J. Ornamental and utility pottery. Serial No. 481,065; Apr. 8. Class 30.

Gort, Eric H., Inc., Metuchen, N. J. Figurines and statuettes. Serial No. 490,819; Apr. 8. Class 50.

Graben & Bauer, New York, N. Y. Costume jewelry. Serial No. 508,219; Apr. 8. Class 28.

Gray, Julia Culbreth, Washington, D. C. Dolls and doll clothing. Serial No. 496,443; Apr. 8. Class 22.

Grinnell Lithographic Co., Inc., New York, N. Y. Stationery. Serial No. 504,897; Apr. 8. Class 37.

Hammel-Dahl Company, Providence, R. I. Apparatus and equipment and parts thereof. Serial No. 478,953; Apr. 8. Class 26.

Helpy Selfy Service System, Inc., Fort Lauderdale, Fla. Clothes washing machines and parts thereof. Serial No. 502,215; Apr. 8. Class 23.

Hijos de Pablo Esparza Bodegas Navarras S. A., Villava, Spain. Wine, especially wine of the champagne type. Serial Nos. 489,802–3; Apr. 8. Class 47.

Hobart Manufacturing Company, The, Troy, Ohio. Electrically operated saws. Serial No. 502,581; Apr. 8. Class 21.

Hoxworth and Hoxworth, doing business under the name "Ed Hoxworth," Waco, Texas. Salve for sores, eruptions of the skin, and especially piles. Serial No. 480,769; Apr. 8. Class 6.

Jackson, J., & Son, Brisbane, Australia. Toy native bears. Serial No. 491,265; Apr. 8. Class 22.

Jandor, Incorporated, Dayton, Ohio. Spotlights for use in scientific and medical laboratories. Serial No. 505,206; Apr. 8. Class 26.

Kaufmann, K., & Co., Inc., Newark, N. J. Traveling bags, suit cases, and portable wardrobe cases, etc. Serial No. 504,277; Apr. 8. Class 3.

Kellogg Switchboard and Supply Company, Chicago, Ill. Extensible electric cords. Serial No. 496,317; Apr. 8. Class 21.

Kenimer Company, The, Bishop, Ga. Remedy for asthma. Serial No. 505,961; Apr. 8. Class 6.

Klee Laboratories: *See*—
Fessler, Albert L.

Knoblock, Sebiastian W., Los Angeles, Calif. Storage batteries. Serial No. 491,577; Apr. 8. Class 21.

Kohl-Stilwell Engineering Company, Cleveland and Cincinnati, assignor to W. E. Stilwell, Jr., Cincinnati, Ohio. Electrical apparatus for controlling the position of a directional indicator. Serial No. 462,996; Apr. 8. Class 21.

Laird, R. H., Manufacturing Company, Inc., doing business under the trade name and style of Rose Laird, New York, N. Y. Scalp lotion, overnight ointment greaseless lubricant. Serial No. 489,127; Apr. 8. Class 6.

Laird, Rose: *See*—
Laird, R. H., Manufacturing Company, Inc.

Lambert Vitamins Company, Inc., New York, N. Y. Multivitamins. Serial No. 502,303; Apr. 8. Class 6.

La Ray Engineering & Equipment Co., Milwaukee, Wis. Gantry hoists. Serial No. 485,873; Apr. 8. Class 23.

Larus & Brother Company, Inc., Richmond, Va. Cigarettes. Serial Nos. 500,090–1; Apr. 8. Class 17.

Levy, Victor H., Los Angeles, Calif. Veiling. Serial No. 501,945; Apr. 8. Class 42.

Libby Electric Company: *See*—
Libby, Jules L.

Libby, Jules L., doing business as Libby Electric Company, Elgin, Ill. Lighting fixtures and electric lamps. Serial No. 503,820; Apr. 8. Class 21.

Limoneira Company, Santa Paula, Calif. Fresh citrus fruits. Serial No. 507,200; Apr. 8. Class 46.

Lincoln, Ned, New York, N. Y. Dolls. Serial No. 494,688; Apr. 8. Class 22.

Link Aviation Devices, Inc., Fenton, N. Y., now by change of name Link Aviation, Inc. Canoes. Serial No. 500,887; Apr. 8. Class 19.

Link Aviation, Inc.: *See*—
Link Aviation Devices, Inc.

Lionel-Lube Company, The: *See*—
Orr, Lionel F.

Lopez, Raphael, doing business as Maison Raphael, Paris, France. Perfumes, toilet waters, rouge, etc. Serial No. 503,379; Apr. 8. Class 6.

Lowe, E. S., Company, Inc., New York, N. Y. Chess boards and chessmen. Serial No. 498,784; Apr. 8. Class 22.

Lowe, Joe, Corporation, New York, N. Y. Frozen confections and syrups, or liquid concentrates. Serial Nos. 505,421–4; Apr. 8. Class 46.

Luce Manufacturing Company, doing business as Lucky Tripper Luggage Company, Kansas City, Mo. Luggage. Serial No. 507,203; Apr. 8. Class 3.

Lucky Tripper Company: *See*—
Luce Manufacturing Company.

Maison Raphael: *See*—
Lopez, Raphael.

Manufacture des Montres Universal, Perret et Berthoud S A (Universal Watch Factory, Perret & Berthoud Ltd.), Geneva, Switzerland. Watches, stop watches, alarm clocks, etc. Serial No. 479,585; Apr. 8. Class 27.

Manufacture des Montres Universal, Perret et Berthoud S A (Universal Watch Factory, Perret & Berthoud Ltd.), Geneva, Switzerland. Watches, stop watches, alarm clocks, etc. Serial Nos. 479,587–8; Apr. 8. Class 27.

Marvel Jewelry Manufacturing Co., Providence, R. I. Watch bracelets. Serial No. 502,908; Apr. 8. Class 28.

Maybrown, Leon, Woodmere, Long Island, N. Y. Toy wagons. Serial No. 498,644; Apr. 8. Class 22.

Merwyn Concentrates, Inc., St. Louis, Mo. Bottled imitation grape flavor soft drink and bottled imitation grape concentrate flavoring extract therefor. Serial No. 510,099; Apr. 8. Class 45.

Metal & Thermit Corporation, New York, N. Y. Zirconium opacifier. Serial No. 502,707; Apr. 8. Class 6.

Meyer, Joseph H., Bros., Brooklyn, N. Y. Necklaces, bracelets, finger rings, etc. Serial No. 505,435; Apr. 8. Class 28.

Meyer, Joseph H., Bros., Brooklyn, N. Y. Necklaces, bracelets, finger rings, etc. Serial No. 505,438; Apr. 8. Class 28.

Meyer, Joseph H., Bros., Brooklyn, N. Y. Necklaces, bracelets, finger rings, etc. Serial No. 508,177; Apr. 8. Class 28.

Meyers, A., & Sons Corp, New York, N. Y. Straight pins, safety pins, T pins, etc. Serial No. 506,539; Apr. 8. Class 40.

Monomac Shoe Co., Inc., Haverhill, Mass. Women's shoes. Serial No. 504,126; Apr. 8. Class 39.

Monsanto Chemical Company, St. Louis, Mo. Chemical products. Serial No. 505,764; Apr. 8. Class 6.

Naus Trimming Co., Inc., New York, N. Y. Buttons. Serial No. 507,589; Apr. 8. Class 40.

New York Merchandise Co., Inc., New York, N. Y. Combs. Serial No. 503,316; Apr. 8. Class 40.

Norris Inc., Atlanta, Ga. Candies. Serial No. 502,833; Apr. 8. Class 46.

Northeastern Engineering, Inc., Manchester, N. H. Radio receiving sets. Serial No. 497,490; Apr. 8. Class 21.

Ollendorff Watch Co. Inc., New York, N. Y. Horological instruments. Serial Nos. 497,559–60; Apr. 8. Class 27.

Orber Manufacturing Co., Pawtucket, R. I. Ornamental jewelry. Serial No. 503,741; Apr. 8. Class 28.

Orr, Lionel F., doing business as The Lionel-Lube Company, Hamden, Conn. Residue-eliminating chemical additives. Serial No. 486,865; Apr. 8. Class 6.

Packers Tar Soap, Inc., Mystic, Conn., and New York, N. Y. Soap. Serial No. 503,215–16; Apr. 8. Class 4.

Packers Tar Soap, Inc., Mystic, Conn., and New York, N. Y. Soap. Serial No. 503,660; Apr. 8. Class 4.

Parfums Corday, Inc., New York, N. Y. Perfume, toilet water, bath powder, and cologne. Serial No. 502,318; Apr. 8. Class 6.

Peppard, J. L., Kansas City, Mo. Field corn seed and sweet corn seed. Serial Nos. 505,124–8; Apr. 8. Class 1.

Phelps Dodge Copper Products Corporation, New York, N. Y. Insulated wire. Serial No. 502,767; Apr. 8. Class 21.

Philco Corporation, Philadelphia, Pa. Racks. Serial No. 473,120; Apr. 8. Class 32.

Philom Company, The, Canton and Akron, Ohio. Skin protecting compound. Serial No. 486,383; Apr. 8. Class 6.

Plumbing Products Co., Boston, Mass. Angle and straight thermometers, gauges. Serial No. 465,691; Apr. 8. Class 26.

Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Dolls, toys. Serial No. 488,424; Apr. 8. Class 22.

Primex Equipment Company, Chicago, Ill. X-ray equipment. Serial No. 494,864; Apr. 8. Class 44.

Primrose House, Inc., New York, N. Y. Toilet soap. Serial No. 503,936; Apr. 8. Class 4.

Pye Limited, Cambridge, England. Electric telecommunication apparatus. Serial No. 484,062; Apr. 8. Class 21.

Quiztick Manufacturing Co., St. Louis, Mo. Question and answer game. Serial No. 465,486; Apr. 8. Class 22.

Rapaport Coat Corporation, The, Chicago, Ill. Women's and misses' ready-to-wear coats and suits. Serial No. 504,129; Apr. 8. Class 39.

Rejuvia Beauty Laboratories, Inc., New York, N. Y. Perfume, toilet water, perfumed sachet, etc. Serial Nos. 505,006–7; Apr. 8. Class 6.

Rieger Manufacturing Co., The, Miamisburg, Ohio. Lawn sprinklers. Serial No. 489,988; Apr. 8. Class 13.

Rogen, Martin, New York, N. Y. Children's sewing and stuffing kits. Serial No. 492,956; Apr. 8. Class 22.

Romeo, Sebastiano, Swedesboro, N. J. Fresh sweet potatoes. Serial No. 480,999; Apr. 8. Class 46.

Rosenberg, Alice K., New York, N. Y. Artificial flowers. Serial No. 507,220; Apr. 8. Class 40.

Rosenthal Erwin & Co., New York, N. Y. Watches and clocks. Serial No. 507,342; Apr. 8. Class 27.

Royal Metal Products Company, New York, N. Y. Tray, bowls and bon bon dishes, etc. Serial No. 492,584; Apr. 8. Class 28.

Sears, Roebuck and Co., Chicago, Ill. Women's handbags, billfolds, key cases, etc. Serial No. 511,509; Apr. 8. Class 3.

Selas Corporation of America, Philadelphia, Pa. Meter for measuring and indicating the flow of fluids. Serial No. 473,261; Apr. 8. Class 26.

Shepherd, Imogene, Ltd., Chicago, Ill. Oil used before and after shaving and as a nail oil, etc. Serial No. 503,834; Apr. 8. Class 6.

Shurhit Products, Inc., Waukegan, Ill. Coil contacts and springs, condensers, tungsten pointed contacts, caps, etc. Serial No. 508,860; Apr. 8. Class 21.

Simonin's, C. F., Sons, Inc., Philadelphia, Pa. Popcorn seasoning made from vegetable oil and butter flavor. Serial No. 504,301; Apr. 8. Class 46.

Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Medicinal preparation. Serial No. 494,932; Apr. 8. Class 6.

Somis Lemon Association, Oxnard, Calif. Fresh citrus fruits. Serial No. 503,607; Apr. 8. Class 46.

Southern Switch and Signal Company, Inc., Shreveport, La. Electrical vehicular and pedestrian street traffic signal lights and controllers; pedestals, brackets, etc. Serial No. 501,543; Apr. 8. Class 21.

Souvenair Company, New York, N. Y. Mechanically grooved phonograph records and for albums of such mechanically grooved phonograph records. Serial No. 503,836; Apr. 8. Class 36.

Specific Pharmaceuticals, Inc., New York, N. Y. Cholagogue and choleretic. Serial No. 499,667; Apr. 8. Class 6.

Splain & Lloyd, Inc., Milford, Ohio. Applicators. Serial No. 514,726; Apr. 8. Class 44.

Squibb, E. R., & Sons, New York, N. Y. Various chemicals, medicines, drugs dietary supplements, etc. Serial No. 497,747; Apr. 8. Class 6.

Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif. Heating and illuminating oils. Serial Nos. 503,228–9; Apr. 8. Class 15.

Standard Signs, Inc., Cleveland, Ohio. Non-electric printed, painted, enameled, cast molded, drawn, stamped, etc., signs, emblems, etc. Serial No. 470,685; Apr. 8. Class 50.

Steinam, A. Company, Inc., New York, N. Y. All nylon fabric, sold in the piece. Serial No. 503,767; Apr. 8. Class 42.

Stenzel, K., & Sons, Inc., New York, N. Y. Spectacle frames and parts thereof. Serial No. 514,072; Apr. 8. Class 26.

Stilwell, William E., Jr., assignee: *See*—
Kohl-Stilwell Engineering Company.

Stolz Freres, S. A. Fabrique d'Horlogerie Angelus, Le Locle, Switzerland. Boudoir, desk and mantel clocks, watches and parts thereof. Serial No. 506,354; Apr. 8. Class 27.

Theil-Schoen Co., New York, N. Y. Non-precious and semi-precious brooch pins, lapel pins, earrings, etc. Serial No. 507,761; Apr. 8. Class 28.

Unicorn Products Co., New York, N. Y. Costume jewelry. Serial No. 485,897; Apr. 8. Class 28.

Union Carbide and Carbon Corporation, New York, N. Y. Acetylene flood lights and acetylene generators. Serial No. 504,802; Apr. 8. Class 34.

Union Fork & Hoe Company, The, Columbus, Ohio. Artificial fish baits, fish lures, fishing rod reels, etc. Serial No. 511,910; Apr. 8. Class 22.

Union Metal Manufacturing Company, The, Canton, Ohio. Metal traffic light standards; ornamental metal street, bridge and flood lighting equipment, etc. Serial No. 506,710; Apr. 8. Class 12.

Vacu-Dry Company, Oakland, Calif. Dehydrated apples in pieces. Serial No. 492,974; Apr. 8. Class 46.

Vigilant Products Company, New York, N. Y. Chemical preparation to prevent tarnish on precious metals. Serial No. 500,037; Apr. 8. Class 6.

Vitron Corporation, The, Wilmington, Del. Glass fibers. Serial No. 513,147; Apr. 8. Class 1.

Vocke, Henry H., Chicago, Ill. Games. Serial No. 506,276; Apr. 8. Class 22.

Warner, William R., & Co., Inc., New York, N. Y. Prescription vehicle. Serial No. 491,375; Apr. 8. Class 6.

Warren, S. D., Company, Boston, Mass. Paper manufactured for use as greaseproofed wrapping paper. Serial No. 502,600; Apr. 8. Class 37.

Webster Electric Company, Racine, Wis. Inter-communicating sound amplifying and transmitting systems, inter-connecting circuits, and energizing devices. Serial No. 509,059; Apr. 8. Class 21.

Weleda, Inc., New York, N. Y. Toiletries and cosmetics. Serial No. 478,727; Apr. 8. Class 6.

Westinghouse Electric Corporation: *See*—
Westinghouse Electric & Manufacturing Company.

Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., now by change of Name Westinghouse Electric Corporation. Metal hardening electric furnaces and ammonia dissociators. Serial No. 462,383; Apr. 8. Class 21.

Wolfe, Michael, doing business as Michael Wolfe Co., New York, N. Y. Electric table lamps. Serial No. 507,561; Apr. 8. Class 21.

Wolfe, Michael, Co.: *See*—
Wolfe, Michael.

Young, J. W., & Sons, Redditch, England. Fishing reels. Serial Nos. 494,732–3; Apr. 8. Class 22.

LIST OF REGISTRANTS OF TRADE-MARKS

Acme Shear Company, The, Bridgeport, Conn. Scissors and shears. 428,899; Apr. 8; Serial No. 501,551; published Jan. 7, 1947. Class 28.

Adams & Elting Co., Chicago, Ill., to The Glidden Company, Cleveland, Ohio. Paints, varnishes, paint-colors, etc. 60,287; re-renewed Feb. 5, 1947. O. G. Apr. 8. Class 16.

Advance Packing & Supply Co., Chicago, Ill. Gauge glasses. 219,854; renewed Oct. 25, 1946. O. G. Apr. 8. Class 26.

Ahronheim, Anna H., doing business as Sanipad Scientific Products Co., Chicago, Ill. Arch supports. 428,872; Apr. 8; Serial No. 495,207; published Jan. 21, 1947. Class 44.

Airubber Corporation, Chicago, Ill., to New York Rubber Corporation, New York, N. Y. Rubber inflatable swimming devices. 222,911; renewed Jan. 11, 1947. O. G. Apr. 8. Class 22.

Airubber Corporation, Chicago, Ill., to New York Rubber Corporation, New York, N. Y. Cushions and mattresses. 223,816; renewed Feb. 8, 1947. O. G. Apr. 8. Class 32.

Aktieselskabet Aalborg Portland-Cement Fabrik, Aalborg, Denmark. Portland cements. 428,910; Apr. 8; Serial No. 503,411; published Jan. 21, 1947. Class 12.

Alien Property Custodian: *See*—
Deutsche Gold- und Silber-Scheideanstalt Vormals Roessler.

American Peace Society, Washington, D. C. Magazine published quarterly. 428,881; Apr. 8; Serial No. 497,289; published Dec. 31, 1946. Class 38.

American Radiators & Standard Sanitary Corporation: *See*—
Standard Sanitary Mfg. Co.

Annin & Co., to Annin & Co., New York, N. Y. Flags, bunting, and decorations. 29,674; re-renewed Mar. 9, 1947. O. G. Apr. 8. Class 50.

Apex Products Corporation, New York, N. Y. Ice picks and ice choppers. 428,955; Apr. 8. Class 23.

Arcady Farms Milling Company, Chicago, Ill. Column or section in a periodically issued, printed publication. 428,848; Apr. 8; Serial No. 486,738; published Dec. 31, 1946. Class 38.

Arefact Corporation, The, Rock Hill, S. C. Water proofing composition. 428,913; Apr. 8; Serial No. 504,086; published Jan. 21, 1947. Class 12.

Automatic Burner Corporation, Chicago, Ill. Fuel oil burners. 428,911; Apr. 8; Serial No. 503,694; published Jan. 21, 1947. Class 34.

Autopiano Company, to Kohler & Campbell Inc., New York, N. Y. Automatic piano-players. 56,003; re-renewed Aug. 21, 1946. O. G. Apr. 8. Class 36.

Baker, George, New York, N. Y. Cartoons and comic strips. 428,865; Apr. 8; Serial No. 493,725; published Dec. 17, 1946. Class 38.

Baker Paint & Varnish Co., Jersey City, N. J. Dry, paste, or ready-mixed paints and varnishes. 221,445; renewed Nov. 30, 1946. O. G. Apr. 8. Class 16.

Ballantine, P., & Sons: *See*—
Feigenspan, Christian.
Van Nostrand, Alonzo G.

Barret Textile Corp., New York, N. Y. Textile fabrics in the piece. 428,866; Apr. 8; Serial No. 493,728; published Jan. 21, 1947. Class 42.

Barton Manufacturing Company, to Barton Manufacturing Company, St. Louis, Mo. Shoe cleaning and polishing preparations. 223,216; renewed Jan. 18, 1947. O. G. Apr. 8. Class 4.

Beardsley's, J. W., Sons, New York, N. Y., to J. W. Beardsley's Sons, Newark, N. J. Prepared fish, and especially salted and boneless fish. 29,224; re-renewed Dec. 1, 1946. O. G. Apr. 8. Class 46.

Berliner, Edwin E., & Co., New York, N. Y. Piece goods. 429,935; Apr. 8. Class 42.

Berry-Lebeck Mfg. Co.: *See*—
Berry, Robert W.

Berry, Robert W., doing business as Berry-Lebeck Mfg. Co., California, Mo. Fish lures. 428,942; Apr. 8. Class 22.

Bluemel Bros. Limited, Wolston, near Coventry, England. Air pumps. 428,930; Apr. 8. Class 23.

Bohack, H. C., Co. Inc.: *See*—
Bohack, H. C., Co., Inc.

Bohack, H. C., Co., Inc., Brooklyn and New York, N. Y., to H. C. Bohack Co. Inc., New York, N. Y. Bread. 224,565; renewed Mar. 1, 1947. O. G. Apr. 8. Class 46.

Boucquey, Omer, Saint Cloud, France. Dolls, toy rattles, toy pails, etc. 428,854; Apr. 8; Serial No. 488,504; published Jan. 21, 1947. Class 22.

Bownes, Frank, Company: *See*—
Bownes, Frank, Company, Inc.

Bownes, Frank, Company, Inc., Lynn, to Frank Bownes Company, Chelsea, Mass. Ready-mixed paints. 219,891; renewed Oct. 19, 1946. O. G. Apr. 8. Class 16.

Brown, David, & Son Limited, to McClintons Limited, Donaghmore, Northern Ireland. Soap. 58,438; renewed Dec. 18, 1946. O. G. Apr. 8. Class 4.

Brown Stock Medicine Co.: *See*—
Brown, William S.

Brown, William S., Rogersville, to O. L. Wall, doing business as Brown Stock Medicine Co., Morristown, Tenn. Remedy for disease of stock and poultry. 57,208; re-renewed Nov. 6, 1946. O. G. Apr. 8. Class 6.

Bulova Watch Company, Inc., New York, N. Y. Watches. 223,259; renewed Jan. 25, 1947. O. G. Apr. 8. Class 27.

Burkhalder, Howard: *See*—
Marsh, William A.

Byer, Irving, Co., The: *See*—
Byer, Irving M.

Byer, Irving M., doing business as The Irving Byer Co., New York, N. Y. Bridge sets, towels, scarfs, etc. 428,933; Apr. 8. Class 42.

California Container Corporation, Emeryville, Calif. Cases, shipping containers and cartons. 428,839; Apr. 8; Serial No. 481,134; published June 11, 1946. Class 2.

California Fruit Exchange, Sacramento, Calif. Fresh cherries, apricots, peaches, etc. 222,774; renewed Jan. 11, 1947. O. G. Apr. 8. Class 46.

Camfield Manufacturing Company, Grand Haven, Mich., assignor to Camfield Manufacturing Company. Fluorescent light shields. 428,940; Apr. 8. Class 21.

Carbona Products Company: *See—*
Marshall Chemical Company.

Carron Net Company, The, Two Rivers, Wis. Tennis nets, badminton nets, and fish nets. 428,945; Apr. 8. Class 22.

Champion Stove Company, The, Cleveland, Ohio. Kitchen stoves, ranges, portable, space, and water heaters. 428,878; Apr. 8; Serial No. 495,955; published Jan. 21, 1947. Class 34.

Chicago Tribune: *See—*
Tribune Company.

Chicago, Wilmington & Franklin Coal Company, Chicago, Ill. Coal. 223,311–12; renewed Feb. 1, 1947. O. G. Apr. 8. Class 1.

Chicopee Manufacturing Corporation of Georgia, Gainesville, Ga. Fabric. 428,892; Apr. 8; Serial No. 500,521; published Dec. 24, 1946. Class 42.

Cohn-Hall-Marx Company, New York, N. Y. Piece goods of wool, cotton, rayon, etc. 428,879; Apr. 8; Serial No. 496,429; published Jan. 14, 1947. Class 42.

Colgate-Palmolive-Peet Company: *See—*
Palmolive Company, The.

Commerce Clearing House, Inc., Chicago, Ill. Books, magazines, pamphlets, etc. 428,904; Apr. 8; Serial No. 502,424; published Dec. 31, 1946. Class 38.

Commonwealth Engineering Company of Ohio, The, Dayton, Ohio. Periodicals. 428,884; Apr. 8; Serial No. 497,594; published June 25, 1946. Class 38.

Continental Electric Company, Geneva, Ill. Electronic and lighting devices. 428,907; Apr. 8; Serial No. 502,887; published Jan. 7, 1947. Class 21.

Cory Corporation, assignee: *See—*
Cory Glass Coffee Brewer Co.

Cory Glass Coffee Brewer Co., Chicago, Ill., assignor to Cory Corporation. Heating elements for electric stoves. 428,952; Apr. 8. Class 21.

Cosmos Dental Products, Inc., New York, N. Y. Powder for use in making artificial stones. 428,920; Apr. 8; Serial No. 512,166; published Jan. 21, 1947. Class 44.

Cowles Magazines, Inc., Des Moines, Iowa. Section of a regularly issued magazine. 428,886; Apr. 8; Serial No. 498,984; published Dec. 31, 1946. Class 38.

Cowles Magazines, Inc., Des Moines, Iowa. Column of a regularly issued magazine. 428,909; Apr. 8; Serial No. 503, 637; published Jan. 14, 1947. Class 38.

Coxhead, Ralph C., Corporation, New York, N. Y. Publication. 428,889; Apr. 8; Serial No. 499,696; published Jan. 14, 1947. Class 38.

Crosley Corporation, The, Cincinnati, Ohio. Radio scripts published in a continuing series. 428,894; Apr. 8; Serial No. 501,049; published Dec. 31, 1946. Class 38.

Cullum & Boren Company, Dallas, Tex. Fishing line. 224,053; renewed Feb. 15, 1947. O. G. Apr. 8. Class 22.

Daven Company, The, Newark, N. J. Hermetically sealed wire wound electrical resistor. 428,927; Apr. 8. Class 21.

Denver Powerine Company, The, to The Powerine Company, Denver, Colo. Liquid motor fuel. 222,631; renewed Jan. 4, 1947. O. G. Apr. 8. Class 15.

Deutsche Gold- und Silber-Scheideanstalt Vormals Roessler, Frankfort-on-the-Main, Germany, vested in the Alien Property Custodian, Washington, D. C., to him. Ampules. 216,858–9; re-renewed Aug. 24, 1946. O. G. Apr. 8, 1947. Class 6.

Dorward, J. & J. C., Limited Galashiels, Scotland. Overcoats. 210,901; renewed Mar. 23, 1946. O. G. Apr. 8. Class 39.

Dorward, J. & J. C., Limited, Galashiels, Scotland. Woolen goods in the piece. 218,190; renewed Sept. 21, 1946. O. G. Apr. 8. Class 42.

Doyle-Clute-Carlisle-Braham Co., The, to W. A. Doyle, doing business as W. A. Doyle Company, Cleveland, Ohio. Non-saponaceous cleaning powders. 219,054; renewed Oct. 12, 1946. O. G. Apr. 8. Class 4.

Doyle, W. A.: *See* —
Doyle-Clute-Carlisle-Braham Co., The.

Doyle, W. A., Company: *See—*
Doyle-Clute-Carlisle-Braham Co., The.

Duban Shade Corporation, The, Rochester, to The Duban Shade Corporation, Honeoye Falls, N. Y. Awnings and porch shades. 219,875; renewed Oct. 26, 1947. O. G. Apr. 8. Class 50.

Dunlap & Co., New York, N. Y., to Hat Corporation of America, Norwalk, Conn. Headwear—hats, caps, bonnets, and toques. 60,355; re-renewed Feb. 5, 1947. O. G. Apr. 8. Class 39.

Dunlap & Co., New York, N. Y., to Hat Corporation of America, Norwalk, Conn. Women's headwear. 60,356; re-renewed Feb. 5, 1947. O. G. Apr. 8. Class 39.

Dunlap & Co., New York, N. Y., to Hat Corporation of America, Norwalk, Conn. Hats for men. 223,740; renewed Feb. 8, 1947. O. G. Apr. 8. Class 39.

Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Cellular rubber. 428,859; Apr. 8; Serial No. 490,363; published Jan. 21, 1947. Class 1.

Early, Earl J., Drexel Hill, Pa. Metal clips. 428,937; Apr. 8. Class 37.

Edgelite Inc., assignor to New Hermes Engravers, New York, N. Y. Electrical signs. 428,946; Apr. 8. Class 21.

Fairfield Oil Heating Co., Inc., Greenwich, Conn. Oil burners and oil burning boilers and furnaces. 428,941; Apr. 8. Class 34.

Fawcett Publications, Inc., Greenwich, Conn. Periodical publication. 428,912; Apr. 8; Serial No. 503,809; published Jan. 14, 1947. Class 38.

Feigenspan, Christian, to P. Ballantine & Sons, Newark, N. J. Ales, porter, half-and-half, and brown stout. 57,327; re-renewed Nov. 13, 1946. O. G. Apr. 8. Class 48.

Files, Adino F., doing business as Maumee Color Co., to The Maumee Color Company, Maumee, Ohio. Butter coloring. 224,513; renewed Mar. 1, 1947. O. G. Apr. 8. Class 6.

Fishbein, Joseph E., doing business as Ruion Watch Co., New York, N. Y. Watches, clocks and watch bracelets. 428,958; Apr. 8. Class 27.

Flower City Specialty Company, Rochester, N. Y. Repair links for tire chains. 222,962; renewed Jan. 11, 1947. O. G. Apr. 8. Class 13.

Fuller, D. B., & Co., Inc., assignee: *See—*
Vandam, Albert H., Co., Inc.

Gartner & Bender, Inc., Chicago, Ill. Greeting cards. 428,867; Apr. 8; Serial No. 494,055; published Dec. 31, 1946. Class 38.

General Electric X-Ray Corporation: *See—*
Victor X-Ray Corporation.

Glassman, Elaine: *See—*
Glassman, Jerome and Elaine.

Glassman, Jerome, and Elaine Glassman, Mount Vernon and Joliet, Ill. Periodical publication. 428,890; Apr. 8; Serial No. 499,778; published Dec. 17, 1946. Class 38.

Glidden Company, The: *See—*
Adams & Elting Co.

Gough Industries, Inc., Los Angeles, Calif. Gas water heaters. 428,849; Apr. 8; Serial No. 487,616; published Jan. 21, 1947. Class 34.

Griesman, Franklin J., doing business as Mid-West Mirror Publishers, Chicago, Ill. Monthly publication. 428,853; Apr. 8; Serial No. 488,033; published Jan. 7, 1947. Class 38.

Hanna Paint Manufacturing Company, The, Columbus, Ohio. Ready-mixed wall-finish paints. 224,702; renewed Mar. 1, 1947. O. G. Apr. 8. Class 16.

Hansen, Raymond J., Grand Rapids, Mich. Artificial fish lures. 428,951; Apr. 8. Class 22.

Hat Corporation of America: *See—*
Dunlap & Co.

Hawaiian Pineapple Company, Limited: *See—*
Hawaiian Pineapple Company, Ltd.

Hawaiian Pineapple Company, Ltd., San Francisco, Calif., and Iwilei, Hawaii, to Hawaiian Pineapple Company, Limited, Honolulu, Hawaii, and San Francisco, Calif. Canned fruit. 224,558; renewed Mar. 1, 1947. O. G. Apr. 8. Class 46.

Hearst Corporation, The, New York, N. Y. Newspaper cartoon page and/or strip. 428,893; Apr. 8; Serial No. 500,880; published Dec. 31, 1946. Class 38.

Hicks Battery Manufacturing Co., Columbus, Ga. Electric storage batteries. 428,898; Apr. 8; Serial No. 501,508; published Dec. 24, 1946. Class 21.

Hills, McLean & Haskins, Incorporated, Binghampton, N. Y. Clothing. 233,719; renewed Feb. 8, 1947. O. G. Apr. 8. Class 39.

Hiss, John M., Los Angeles, Calif. Corrective shoe inserts. 428,939; Apr. 8. Class 44.

Hotze, Henry, & Sons Company, St. Louis, Mo. Golf bags. 428,917; Apr. 8; Serial No. 510,594; published Jan. 21, 1947. Class 22.

Houghton, E. F., & Co., to E. F. Houghton & Co., Philadelphia, Pa. Leather belting, leather packing, and leather washers. 60,767; re-renewed Feb. 19, 1947. O. G. Apr. 8. Class 35.

Hudnut, Richard, New York, N. Y. Pamphlets. 428,908; Apr. 8; Serial No. 503,251; published Jan. 14, 1947. Class 38.

Illinois Clay Products Company, Joliet, Ill. Packaged modeling clay. 224,898; renewed Mar. 8, 1947. O. G. Apr. 8. Class 22.

Illinois Watch Case Co., to Illinois Watch Case Co., Elgin, Ill. Watch movements and watchcases. 218,748; renewed Oct. 5, 1946. O. G. Apr. 8. Class 27.

Illinois Watch Case Co., to Illinois Watch Case Co., Elgin, Ill. Watch movements and watchcases. 218,780; renewed Oct. 5, 1946. O. G. Apr. 8. Class 27.

Industrial Tape Corporation, New Braunswick, N. J. Adhesive surgical tapes. 428,860; Apr. 8; Serial No. 491,095; published Jan. 21, 1947. Class 44.

International Brotherhood of Electrical Workers, Washington, D. C. Booklets. 428,861; Apr. 8; Serial No. 491,325; published Dec. 17, 1946. Class 38.

International Brotherhood of Electrical Workers, Washington, D. C. Printed union shop cards. 428,862; Apr. 8; Serial No. 491,330; published Dec. 17, 1946. Class 38.

International Paper Company, New York, N. Y. Converting paper board. 428,885; Apr. 8; Serial No. 498,847; published Jan. 21, 1947. Class 37.

Jackson, Honel A., Detroit, Mich. Operative holders for welding electrodes. 428,924; Apr. 8. Class 21.

Jamestown Table Company, Jamestown, N. Y. Bedroom furniture. 221,040; renewed Nov. 23, 1946. O. G. Apr. 8. Class 32.

Jel Sert Co., The: *See—*
Wegner, Charles T., Jr.

Jel Sert Company, The: *See—*
Wegner, Charles T., Jr.

Jolies: *See—*
Warshaw, Samuel C.

Kansas City Wholesale Grocery Co., to Pickwick Products, Inc., Kansas City, Mo. Paper bags. 222,949; renewed Jan. 11, 1947. O. G. Apr. 8. Class 2.

Kansas City Wholesale Grocery Co., to Pickwick Products, Inc., Kansas City, Mo. Soap. 224,295; renewed Feb. 22, 1947. O. G. Apr. 8. Class 4.

Kellogg Switchboard and Supply Company, Chicago, Ill. Extensible electrical cords. 428,949; Apr. 8. Class 21.

Kellogg Switchboard and Supply Company, Chicago, Ill. Extensible electrical cords. 428,956; Apr. 8. Class 21.

Keuffel & Esser Company, Hoboken, N. J. Drawing instruments. 59,013; re-renewed Dec. 25, 1946. O. G. Apr. 8. Class 26.

Keuffel & Esser Company, Hoboken, N. J. Measuring tapes. 220,462; renewed Nov. 9, 1946. O. G. Apr. 8. Class 26.

Klenzade Products, Incorporated, Beloit, Wis. Detergent preparation. 428,959; Apr. 8. Class 4.

Knight Leather Products Co., Inc., Boston, Mass. Billfolds, fitted and unfitted toilet cases, and pocketbooks. 428,834; Apr. 8; Serial No. 459,841; published June 6, 1944. Class 3.

Knight Leather Products Co., Inc., Boston, Mass. Wallets. 428,836; Apr. 8; Serial No. 464,086; published June 13, 1944. Class 3.

Kohler & Campbell, to Kohler & Campbell, Inc., New York, N. Y. Pianos. 58,283; re-renewed Dec. 11, 1946. O. G. Apr. 8. Class 36.

Kohler & Campbell, Inc.: *See—*
Autopiano Company.
Kohler & Campbell.

Kong Manufacturing Company, The, Woodside, N. Y. Eyeglasses and spectacle frames. 428,905; Apr. 8; Serial No. 502,584; published Jan. 14, 1947. Class 26.

Kropp Forge Company, Chicago, Ill. Forgings. 224,470; renewed Mar. 1, 1947. O. G. Apr. 8. Class 14.

Kurtz Bros., Clearfield, Pa. Tablets, practice paper, blank labels, note and composition books, etc. 219,420; renewed Oct. 19, 1946. O. G. Apr. 8. Class 37.

Macy, R. H., & Co., Inc., New York, N. Y. Lemon soda, soda water, sarsaparilla, etc. 222,339; renewed Dec. 28, 1946. O. G. Apr. 8. Class 45.

Magnet Knitting Mills, to Magnet Mills, Inc., Clinton, Tenn. Knitted socks and stockings. 61,170; re-renewed Mar. 5, 1947. O. G. Apr. 8. Class 39.

Magnet Mills, Inc.: *See—*
Magnet Knitting Mills.

Maillard Corporation, The: *See—*
Maillard, Henry, Inc.

Maillard, Henry, Inc., Long Island City, to The Maillard Corporation, New York, N. Y. Chocolate, cocoa, and candy. 223,651; renewed Feb. 8, 1947. O. G. Apr. 8. Class 46.

Marathon Corporation, Rothschild, Wis. Bags. 428,915; Apr. 8; Serial No. 507,737; published Oct. 22, 1946. Class 2.

Marco, Vincent A., Beverly Hills, Calif. Radio receiving sets. 428,934; Apr. 8. Class 21.

Marine Company, The, Philadelphia, Pa. Screw driver sets, snips, end nippers, etc. 428,869; Apr. 8; Serial No. 494,345; published Dec. 24, 1946. Class 23.

Marsh, William A., to H. Burkhalder, Westfield, N. Y. Cleansers for dishes, glassware, woodwork, etc. 224,353; renewed Feb. 22, 1947. O. G. Apr. 8. Class 4.

Marshall Chemical Company, Marshall, Va., to Carbona Products Company, New York, N. Y. Cleaning and polishing preparation. 57,245; re-renewed Nov. 6, 1946. O. G. Apr. 8. Class 4.

Mason, F. E., & Sons, Batavia, N. Y. Embossed labels and printed labels. 428,887; Apr. 8; Serial No. 499,139; published Dec. 31, 1946. Class 38.

Maumee Color Co.: *See—*
Files, Adino F.

Maumee Color Company, The: *See—*
Files, Adino F.

McClintons Limited: *See—*
Brown, David, & Son Limited.

Merrell Canning Co., Harlan, Iowa. Canned sweet corn. 223,726; renewed Feb. 8, 1947. O. G. Apr. 8. Class 46.

Meszaros & Fisher, Chicago, Ill. Sheet music and musical publications. 428,897; Apr. 8; Serial No. 501,466; published Dec. 31, 1946. Class 38.

Meyer, Harry R., Los Angeles, Calif. Apparatus for indicating the exact positions of the cams of a cam shaft of a motor. 428,852; Apr. 8; Serial No. 487,961; published Jan. 14, 1947. Class 26.

Meyercord Company, The, Chicago, Ill. Commercial and decorative decalcomanias. 428,875; Apr. 8; Serial No. 495,488; published Jan. 14, 1947. Class 38.

Meyercord Company, The, Chicago, Ill. Commercial and decorative decalcomanias. 428,876; Apr. 8; Serial No. 495,490; published Jan. 14, 1947. Class 38.

Mid-West Mirror Publishers: *See—*
Griesman, Franklin J.

Motloid Company, Inc., The, Chicago, Ill. Dental flux rods. 428,938; Apr. 8. Class 44.

Muralo Company, The, New York, to The Muralo Company, Inc., Staten Island, N. Y. Oil-paints, varnishes, and enamels. 57,332; re-renewed Nov. 13, 1946. O. G. Apr. 8. Class 16.

Muralo Company, Inc., The: *See—*
Muralo Company.

Myers, F. E., & Bro. Company, The, Ashland, Ohio. Pumps. 222,456; renewed Jan. 4, 1947. O. G. Apr. 8. Class 23.

Nardi, Romolo, Camden, N. J. Magazine pencils. 428,925; Apr. 8. Class 37.

Nash Engineering Company, South Norwalk, Conn. Pumps and parts thereof. 428,851; Apr. 8; Serial No. 487,793; published Dec. 31, 1946. Class 23.

National Soap Co., Detroit, Mich. Soaps. 224,735; renewed Mar. 1, 1947. O. G. Apr. 8. Class 4.

New England Carbide Tool Co., Inc., Cambridge, Mass. Plug gages. 428,900; Apr. 8; Serial No. 502,230; published Jan. 14, 1947. Class 26.

New Hermes Engravers, assignee: *See—*
Edgelite Inc.

New York Rubber Corporation: *See—*
Airubber Corporation.

Nielsen, J. C., Co.: *See—*
Nielsen, James C.

Nielsen, James C., doing business as J. C. Nielsen Co., Chicago, Ill. Florists' supplies. 224,756; renewed Mar. 1, 1947. O. G. Apr. 8. Class 42.

Norcross, New York, N. Y. Greeting cards, printed or otherwise impressed folders, calendars, etc. 428,843; Apr. 8; Serial No. 482,498; published Jan. 14, 1947. Class 38.

Norcross, New York, N. Y. Greeting cards and greeting folders, booklets of children's stories, etc. 428,844–5; Apr. 8; Serial Nos. 483,914–15; published Jan. 14, 1947. Class 38.

Norcross, New York, N. Y. Greeting cards and printed or otherwise impressed greeting folders, booklets of children's stories, etc. 428,856; Apr. 8; Serial No. 488,768; published Jan. 14, 1947. Class 38.

Norcross, New York, N. Y. Greeting cards, printed tags, printed seals, etc. 428,857–8; Apr. 8; Serial Nos. 488,769–70; published Jan. 14, 1947. Class 38.

Norcross, New York, N. Y. Greeting cards, printed ornamental tags and seals, booklets, etc. 428,873–4; Apr. 8; Serial Nos. 495,253–4; published Jan. 14, 1947. Class 38.

Norcross, New York, N. Y. Greeting cards, printed greeting folders, calendars, etc. 428,903; Apr. 8; Serial No. 502,399; published Jan. 14, 1947. Class 38.

Nyal Company, Detroit, Mich. Liquid analgesic for pain. 223,623; renewed Feb. 8, 1947. O. G. Apr. 8. Class 6.

Our World Publishing Company, New York, N. Y. Magazines. 428,891; Apr. 8; Serial No. 500,179; published Dec. 17, 1946. Class 38.

Pachner & Koller, Inc., Chicago, Ill. Fish hooks, fish lures, fish baits, etc. 428,840; Apr. 8; Serial No. 481,337; published Jan. 21, 1947. Class 22.

Palmolive Company, The, Chicago, Ill., to Colgate-Palmolive-Peet Company, Jersey City, N. J. Soap. 225,086; renewed Mar. 8, 1947. O. G. Apr. 8. Class 4.

Parents' Institute, Inc., The, New York, N. Y. Magazine. 428,918; Apr. 8; Serial No. 510,859; published Jan. 7, 1947. Class 38.

Parfumerie Scherk: *See—*
Scherk, Ludwig.

Pauson & Company, to Pauson & Company, San Francisco, Calif. Suits and overcoats for men. 223,575; renewed Feb. 8, 1947. O. G. Apr. 8. Class 39.

Pelham Games, Inc., New York, N. Y. Board games. 428,868; Apr. 8; Serial No. 494,113; published Jan. 21, 1947. Class 22.

Penick, S. B., & Company, New York, N. Y. Perfume base. 428,921; Apr. 8; Serial No. 516,652; publication waived. Class 6.

Penn, George R., doing business as Penn Specialty Co., Danville, Va. Electric auto-emergency lights. 428,960; Apr. 8. Class 21.

Penn Specialty Co.: *See—*
Penn, George R.

Pennsylvania Lubricating Company, Pittsburgh, Pa., to Standard Oil Company of New Jersey, Wilmington, Del. Lubricating oils, lubricating greases, and cutting lubricants. 223,202; renewed Jan. 18, 1947. O. G. Apr. 8. Class 15.

Perrine Quality Products Corporation: *See—*
Perrine Quality Products Corp.

Perrine Quality Products Corp., Boston, to Perrine Quality Products Corporation, Waltham, Mass. Electric batteries and battery chargers. 224,188; renewed Feb. 22, 1947. O. G. Apr. 8. Class 21.

Perrycraft Corporation, Providence, R. I. Toy model aircraft and parts thereof. 428,944; Apr. 8. Class 22.

Pettibone Mulliken Corporation, Chicago, Ill. Crushing and pulverizing machinery and parts thereof, etc. 428,841; Apr. 8; Serial No. 481,753; published Dec. 24, 1946. Class 23.

Picker X-Ray Corporation Waite Manufacturing Division, Inc., Cleveland, Ohio. Portable X-ray tube heads and portable and stationary X-ray tube housings. 428,961; Apr. 8. Class 21.

Pickwick Products, Inc.: *See—*
Kansas City Wholesale Grocery Co.

Playground Equipment Company, Inc., Dallas, Tex. Playground swings and carrousels. 428,847; Apr. 8; Serial No. 486,062; published Jan. 21, 1947. Class 22.

Positive Safety Manufacturing Company, The, Cleveland, Ohio. Automatic mechanical safety apparatus. 428,953; Apr. 8. Class 23.

Preco Incorporated, Los Angeles, Calif. Forced air circulating systems. 428,883; Apr. 8; Serial No. 497,411; published Jan. 21, 1947. Class 34.

Protection Products Co., Chicago, Ill. Toy pistol holsters, golf bags, and bowling ball bags. 428,914; Apr. 8; Serial No. 507,422; published Jan. 21, 1947. Class 22.

Ransomes & Rapier Limited, Ipswich, England. Cranes of the mobile variety. 428,863; Apr. 8; Serial No. 491,678; published Jan. 7, 1947. Class 23.

Read Machinery Company, Inc., York, Pa. Water meters, combination weighing scale and hopper, etc. 428,877; Apr. 8; Serial No. 495,505; published Jan. 14, 1947. Class 26.

Reed-Prentice Corporation, Worcester, Mass. Lathes, drilling machines, planing machines, etc. 428,922; Apr. 8. Class 23.

Roberk Company, The, Norwalk, Conn. Electric search lights. 428,947–8; Apr. 8. Class 21.

Ruberoid Co., The, Boundbrook, N. J., and New York, N. Y. Preservative and waterproofing coatings. 224,573; renewed Mar. 1, 1947. O. G. Apr. 8. Class 16.

Rulon Watch Co.: *See—*
Fishbein, Joseph E.

St. George Proofing Co., Inc., New York, N. Y. Dress shields. 428,950; Apr. 8. Class 40.

Salz Bros., Inc., New York, N. Y., to W. A. Sheaffer Pen Company, Fort Madison, Iowa. Fountain pens and pencils. 228,507; renewed June 7, 1947. O. G. Apr. 8. Class 37.

Sanipad Scientific Products Co.: *See—*
Ahronheim, Anna H.

Santiago Orange Growers Association: *See—*
Wall, William B.

Savage, Inc., Buffalo, N. Y. Tags, printed and ready for use. 428,880; Apr. 8; Serial No. 497,046; published Dec. 31, 1946. Class 38.

Scherk, Ludwig, doing business as Parfumerie Scherk, Berlin, Germany, to Ludwig Scherk, Inc., Brooklyn, N. Y. Perfumery, cosmetics. 223,646; renewed Feb. 8, 1947. O. G. Apr. 8. Class 6.

Scherk, Ludwig, Inc.: *See—*
Scherk, Ludwig.

Schuhmann, Christian, Brooklyn, N. Y. Luggage buckles and luggage straps. 428,923; Apr. 8. Class 3.

Schwabacher Bros. & Co., Inc., Seattle, Wash. Wheat-flour. 59,232; re-renewed Jan. 1, 1947. O. G. Apr. 8. Class 46.

Seeman Brothers, Inc., New York, N. Y. Canned fruits and vegetables. 223,068; renewed Jan. 18, 1947. O. G. Apr. 8. Class 46.

Seeman Brothers, Inc., New York, N. Y. Citron, raisins, currants, etc. 223,069; renewed Jan. 18, 1947. O. G. Apr. 8. Class 46.

Seeman Brothers, Inc., New York, N. Y. Beans with pork, beef cubes, mincemeat, etc. 223,290; renewed Feb. 1, 1947. O. G. Apr. 8. Class 46.

Seeman Brothers, Inc., New York, N. Y. Table salt, bicarbonate of soda, ball blue, and borax. 223,346; renewed Feb. 1, 1947. O. G. Apr. 8. Classes 6 and 46.

Seeman Brothers, Inc., New York, N. Y. Honey and flavoring extracts. 223,881; renewed Feb. 15, 1947. O. G. Apr. 8. Class 46.

Seeman Brothers, Inc., New York, N. Y. Tapioca, hominy, samp, rolled oats, etc. 224,131; renewed Feb. 22, 1947. O. G. Apr. 8. Class 46.

Seeman Brothers, Inc., New York, N. Y. Worcestershire sauce, cranberry sauce, chili sauce, etc. 224,227; renewed Feb. 22, 1947. O. G. Apr. 8. Class 46.

Sheaffer, W. A., Pen Company: *See—*
Salz Bros., Inc.

Siebrandt, J. R., doing business as J. R. Siebrandt Manufacturing Co., Kansas City, Mo. Bone fracture appliances and equipment. 428,932; Apr. 8. Class 44.

Siebrandt, J. R., Manufacturing Co.: *See—*
Siebrandt, J. R.

Silk-O-Lite Mfg. Corp., New York, N. Y. Lamp shades. 428,962; Apr. 8. Class 34.

Singer, Nathaniel: *See—*
Unisite Lens Company, Inc.

Sodeco Societe des Compteurs de Geneve, Geneva, Switzerland. Instruments for dental surgery. 428,850; Apr. 8; Serial No. 487,694; published Jan. 21, 1947. Class 44.

Sprouse, V. E., Company, Columbus, Ind. Ratchet wrenches, holders for receiving and hanging gas welding torches. 428,928; Apr. 8. Class 23.

Standard Oil Company of New Jersey: *See—*
Pennsylvania Lubricating Company.

Standard Sanitary Mfg. Co., to American Radiators & Standard Sanitary Corporation, Pittsburgh, Pa. Metal bath tubs, sinks, lavatories, water closets, etc. 58,506; re-renewed Dec. 18, 1946. O. G. Apr. 8. Class 13.

Steinbacher, Le Roy S., Ypsilanti, Mich. Trash bags and trash bag holders. 428,855; Apr. 8; Serial No. 488,713; published Jan. 21, 1947. Class 2.

Steriger, Albert, Inc., Springfield, Mass. Men's suits, negligee shirts, pyjamas, etc. 223,569; renewed Feb. 8, 1947. O. G. Apr. 8. Class 39.

Strauss, Levi, and Company, San Francisco, Calif. Overalls. 223,725; renewed Feb. 8, 1947. O. G. Apr. 8. Class 39.

Stuart Hall Co., Kansas City, Mo. Stationery. 428,931; Apr. 8. Class 37.

Swan-Finch Oil Corporation, New York, N. Y. Lubricating oil and lubricating grease. 220,506; renewed Nov. 9, 1946. O. G. Apr. 8. Class 15.

Tehel, Wm., doing business as Wm. Tehel Bottling Company, to Wm. Tehel Bottling Company, Cedar Rapids, Iowa. Carbonated, nonalcoholic, non-cereal, maltless beverages. 219,511; renewed Oct. 19, 1946. O. G. Apr. 8. Class 45.

Tehel, Wm., Bottling Company: *See—*
Tehel, Wm.

Texas Company, The, Houston, Tex., and New York, N. Y., to The Texas Company, New York, N. Y. Composition felt roofing. 222,443; renewed Jan. 4, 1947. O. G. Apr. 8. Class 12.

Tiglon Company, The, New York, N. Y. Stapling machines, glazier point driving machines, automatic tacking machines. 428,916; Apr. 8; Serial No. 509,892; published Jan. 14, 1947. Class 23.

Town Hall, Inc., The, New York, N. Y. Publications. 428,888; Apr. 8; Serial No. 499,671; published Dec. 17, 1946. Class 38.

Traffic Service Corporation, The, Chicago, Ill. Periodical. 223,119; renewed Jan. 18, 1947. O. G. Apr. 8. Class 38.

Tribune Company, doing business as Chicago Tribune, Chicago, Ill. Series of cartoons. 428,901–2; Apr. 8; Serial Nos. 502,350–1; published Dec. 31, 1946. Class 38.

Trostel, Albert, & Sons, to Albert Trostel & Sons Company, Milwaukee, Wis. Leather. 60,818; re-renewed Feb. 19, 1947. O. G. Apr. 8. Class 1.

Trostel, Albert, & Sons Company: *See—*
Trostel, Albert, & Sons.

Twitchell, E. W., Incorporated, Philadelphia, Pa. Textile fabrics. 428,870; Apr. 8; Serial No. 495,159; published Jan. 21, 1947. Class 42.

Udylite Corporation, The: *See—*
Udylite Process Company.

Udylite Process Company, Kokomo, Ind., to The Udylite Corporation, Detroit, Mich. Cadmium plating, anodes, and anode supports. 224,679; renewed Mar. 1, 1947. O. G. Apr. 8. Class 14.

Unisite Lens Company, Inc., to Nathaniel Singer, New York, N. Y. Ophthalmic lenses and blanks. 224,762; renewed Mar. 1, 1947. O. G. Apr. 8. Class 26.

United Device Corporation, New York, N. Y. Bread boxes. 428,919; Apr. 8; Serial No. 511,843; published Jan. 21, 1947. Class 2.

United States Gypsum Company, Chicago, Ill. Fibrous sound absorbing units. 428,835; Apr. 8; Serial No. 463,187; published Jan. 21, 1947. Class 12.

United States News Publishing Corporation, Washington, D. C. Section of periodical publications. 428,906; Apr. 8; Serial No. 502,673; published Dec. 31, 1946. Class 38.

United States War Department, Washington, D. C. Army weekly. 428,842; Apr. 8; Serial No. 481,869; published July 17, 1945. Class 38.

Universal Flashlight Co., Inc., Washington, D. C. Radio receiving sets and parts thereof. 428,936; Apr. 8. Class 21.

V & O Press Company, Incorporated, The, Hudson, N. Y. Power presses, bench presses, punching presses, etc. 428,895–6; Apr. 8; Serial Nos. 501,219–20; published Dec. 24, 1946. Class 23.

Vandam, Albert H., Co., Inc., assignor to D. B. Fuller & Co. Inc., New York, N. Y. Textile fabrics in the piece of cotton, rayon, protein fibres. 428,838; Apr. 8; Serial No. 479,825; published Dec. 4, 1945. Class 42.

Vandam, Albert H., Co., Inc., assignor to D. B. Fuller & Co. Inc., New York, N. Y. Textile fabrics in the piece. 428,882; Apr. 8; Serial No. 497,355; published Jan. 21, 1947. Class 42.

Van Nostrand, Alonzo G., Boston, Mass., to P. Ballantine & Sons, Newark, N. J. Ale, lager-beer, and porter. 57,572; re-renewed Nov. 13, 1946. O. G. Apr. 8. Class 48.

Velasco Toy Company, Minneapolis, Minn. Toys. 428,846; Apr. 8; Serial No. 484,039; published Jan. 21, 1947. Class 22.

Victor X-Ray Corporation, to General Electric X-Ray Corporation, Chicago, Ill. Current-carrying conductor cord reels, X-ray machines, X-ray apparatus, etc. 224,235; renewed Feb. 22, 1947. O. G. Apr. 8. Class 21.

Viking Toy Company, Larchmont, N. Y. Toy kites, dolls, and cut-out dolls, etc. 428,864; Apr. 8; Serial No. 492,807; published Jan. 21, 1947. Class 22.

Vulcan Radiator Company, The, Hartford, Conn. Connector type radiators. 428,954; Apr. 8. Class 34.

Wall, O. L.: *See—*
Brown, William S.

Wall, William B., Tustin, to Santiago Orange Growers Association, Orange, Calif. Citrus fruits, to wit: oranges, lemons, and grapefruit. 29,634; re-renewed Mar. 2, 1947. O. G. Apr. 8. Class 46.

Warshaw, Samuel C., doing business as Jolies, Albany, N. Y. Plated-precious-metal-trimmed cigar, pipe, and cigarette holders; silver toilet ware, etc. 217,888; renewed Sept. 14, 1946. O. G. Apr. 8. Class 28.

Wegner, Charles T., Jr., doing business as The Jel Sert Co., to The Jel Sert Company, Chicago, Ill. Flavored gelatin dessert mixture. 223,900; renewed Feb. 15, 1947. O. G. Apr. 8. Class 46.

Wheeling Corrugating Company, Wheeling, W. Va. Metal lath, steel ceilings, eaves trough, etc. 220,397; renewed Nov. 9, 1946. O. G. Apr. 8. Class 12.

Wheel Trueing Tool Company of Delaware, Detroit, Mich. Diamond pointed tools. 428,837; Apr. 8; Serial No. 466,241; published Jan. 14, 1947. Class 23.

Whizzer Motor Company, Los Angeles, Calif. Internal combustion bicycle motors. 428,871; Apr. 8; Serial No. 495,204; published Jan. 14, 1947. Class 23.

Wilson Jones Company, Chicago, Ill. Loose leaf binders. 428,943; Apr. 8. Class 37.

Wostenholm, George, & Son, Limited, Sheffield, England, and New York, N. Y., to George Wostenholm & Son, Limited, Sheffield, England. Pocket and table knives, butchers', bowie, and farriers' knives, scissors, etc. 56,558; re-renewed Oct. 9, 1946. O. G. Apr. 8. Class 23.

Wyner, I. J., & Co., Inc., New York, N. Y. Knitted piece goods made of wool, worsted, rayon, etc. 221,063; renewed Nov. 23, 1946. O. G. Apr. 8. Class 42.

Zell Bros., Portland, Oreg. Jewelry. 428,925; Apr. 8. Class 28.

Zilberbrand, Zoll M., doing business as Zoll Soap Company, Chicago, Ill. Soaps. 428,929; Apr. 8. Class 4.

Zoll Soap Company: *See—*
Zilberbrand, Zoll M.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Chicago, Wilmington & Franklin Coal Company. 223,311–12; renewed Feb. 1, 1947. O. G. Apr. 8.

Leather. Albert Trostel & Sons. 60,818; re-renewed Feb. 19, 1947. O. G. Apr. 8.

Rubber, Cellular. Dunlop Tire and Rubber Corporation. 428,859; Apr. 8; Serial No. 490,363; published Jan. 21, 1947.

CLASS 2

Bags. Marathon Corporation. 428,915; Apr. 8; Serial No. 507,737; published Oct. 22, 1946.

Bags and trash bag holders, Trash. L. S. Steinbacher. 428,855; Apr. 8; Serial No. 488,713; published Jan. 21, 1947.

Bags, Paper. Kansas City Wholesale Grocery Co. 222,949; renewed Jan. 11, 1947. O. G. Apr. 8.

Boxes, Bread. United Device Corporation. 428,919; Apr. 8; Serial No. 511,843; published Jan. 21, 1947.

Cases, shipping containers and cartons. California Container Corporation. 428,839; Apr. 8; Serial No. 481,134; published June 11, 1946.

CLASS 3

Billfolds, fitted and unfitted toilet cases, and pocketbooks. Knight Leather Products Co. 428,834; Apr. 8; Serial No. 459,841; published June 6, 1944.

Buckles and luggage straps, Luggage. C. Schuhmann. 428,923; Apr. 8.

Wallets. Knight Leather Products Co. Inc. 428,836; Apr. 8; Serial No. 464,086; published June 13, 1944.

CLASS 4

Cleaning and polishing preparation. Marshall Chemical Company. 57,245; re-renewed Nov. 6, 1946. O. G. Apr. 8.

Cleaning and polishing preparations, Shoe. Barton Manufacturing Company. 223,216; renewed Jan. 18, 1947. O. G. Apr. 8.

Cleaning powders, Non-saponaceous. Doyle-Clute-Carlisle-Braham Co. 219,054; renewed Oct. 12, 1946. O. G. Apr. 8.

Cleansers for dishes, glassware, woodwork, etc. W. A. Marsh. 224,353; renewed Feb. 22, 1947. O. G. Apr. 8.

Detergent preparation. Klenzade Products, Incorporated. 428,959; Apr. 8.

Soap. David Brown & Son Limited. 58,438; re-renewed Dec. 18, 1946. O. G. Apr. 8.

Soap. Kansas City Wholesale Grocery Co. 224,295; renewed Feb. 22, 1947. O. G. Apr. 8.

Soap. Palmolive Company. 225,086; renewed Mar. 8, 1947. O. G. Apr. 8.

Soaps. National Soap Co. 224,735; renewed Mar. 1, 1947. O. G. Apr. 8.

Soaps. A. M. Zilberbrand. 428,929; Apr. 8.

CLASS 6

Ampules. Deutsche Gold- und Silber-Scheidean-Stalt Vormals Roessler. 216,858–9; renewed Aug. 24, 1946. O. G. Apr. 8.

Analgesic for pain, Liquid. Nyal Company. 228,623; renewed Feb. 8, 1947. O. G. Apr. 8.

Coloring, Butter. A. F. Files. 224,513; renewed Mar. 1, 1947. O. G. Apr. 8.

Perfume base. S. B. Penick & Company. 428,921; Apr. 8; Serial No. 516,652; publication waived.

Perfumery, cosmetics. L. Scherk. 223,646; renewed Feb. 8, 1947. O. G. Apr. 8.

Remedy for disease of stock and poultry. W. S. Brown. 57,208; re-renewed Nov. 6, 1946. O. G. Apr. 8.

Salt, bircarbonate of soda, ball blue, and borax, Table. Seeman Brothers, Inc. 223,346; renewed Feb. 1, 1947. O. G. Apr. 8.

CLASS 12

Cements, Portland. Aktieselskabet Aalborg Portland-Cement Fabrik. 428,910; Apr. 8; Serial No. 503,411; published Jan. 21, 1947.

Lath, steel ceilings, eaves trough, etc., Metal. Wheeling Corrugating Company. 220,397; renewed Nov. 9, 1946. O. G. Apr. 8.

Roofing, Composition felt. Texas Company. 222,443; renewed Jan. 4, 1947. O. G. Apr. 8.

Sound absorbing units, Fibrous. United States Gypsum Company. 428,835; Apr. 8; Serial No. 463,187; published Jan. 21, 1947.

Water proofing composition. Arefact Corporation. 428,913; Apr. 8; Serial No. 504,086; published Jan. 21, 1947.

CLASS 13

Bath tubs, sinks, lavatories, water closets, etc., Metal. Standard Sanitary Mfg. Co. 58,506; re-renewed Dec. 18, 1946. O. G. Apr. 8.

Links for tire chains, Repair. Flower City Specialty Company. 222,962; renewed Jan. 11, 1947. O. G. Apr. 8.

CLASS 14

Forgings. Kropp Forge Company. 224,470; renewed Mar. 1, 1947. O. G. Apr. 8.

Plating, anodes, and anode supports, Cadmium. Udylite Process Company. 224,679; renewed Mar. 1, 1947. O. G. Apr. 8.

CLASS 15

Fuel, Liquid motor. Denver Powerine Company, The. 222,631; renewed Jan. 4, 1947. O. G. Apr. 8.

Oil and lubricating grease, Lubricating. Swan-Finch Oil Corporation. 220,506; renewed Nov. 9, 1946. O. G. Apr. 8.

Oils, lubricating greases, and cutting lubricants, Lubricating. Pennsylvania Lubricating Company. 223,202; renewed Jan. 18, 1947. O. G. Apr. 8.

CLASS 16

Coatings, Preservative and waterproofing. Ruberoid Co. 224,573; renewed Mar. 1, 1947. O. G. Apr. 8.

Oil-paints, varnishes, and enamels. Muralo Company. 57,332; re-renewed Nov. 13, 1946. O. G. Apr. 8.

Paints and varnishes, Dry, paste, or ready-mixed. Baker Paint & Varnish Co. 221,445; renewed Nov. 30, 1946. O. G. Apr. 8.

Paints, Ready-mixed. Frank Bownes Company, Inc. 219,391; renewed Oct. 19, 1946. O. G. Apr. 8.

Paints, Ready-mixed wall-finish. Hanna Paint Manufacturing Company. 224,702; renewed Mar. 1, 1947. O. G. Apr. 8.

Paints, varnishes, paint-colors, etc. Adams & Elting Co. 60,287; re-renewed Feb. 5, 1947. O. G. Apr. 8.

CLASS 21

Batteries and battery charges, Electric. Perrine Quality Products Corp. 224,188; renewed Feb. 22, 1947. O. G. Apr. 8.

Batteries, Electric storage. Hicks Battery Manufacturing Co. 428,898; Apr. 8; Serial No. 501,508; published Dec. 24, 1946.

Conductor cord reels, X-ray machines, X-ray apparatus, etc., Current-carrying. Victor X-Ray Corporation. 224,235; renewed Feb. 22, 1947. O. G. Apr. 8.

Cords, Extensible electrical. Kellogg Switchboard and Supply Company. 428,949; Apr. 8.

Electric auto-emergency lights. G. R. Penn. 428,960. Apr. 8.

Electrical cords, Extensible. Kellogg Switchboard and Supply Company. 428,956; Apr. 8.

Electronic and lighting devices. Continental Electric Company. 428,907; Apr. 8; Serial No. 502,887; published Jan. 7, 1947.

Heating elements for electric stoves. Cory Glass Coffee Brewer Co. 428,952; Apr. 8.

Holders for welding electrodes, Operative. H. A. Jackson. 428,924; Apr. 8.

Light shields, Fluorescent. Camfield Manufacturing Company. 428,940; Apr. 8.

Radio receiving sets. V. A. Marco. 428,934; Apr. 8.

Radio receiving sets and parts thereof. Universal Flashlight Co., Inc. 428,936; Apr. 8.

Resistor, Hermetically sealed wire wound electrical. Daven Company. 428,927; Apr. 8.

Search lights, Electric. Roberk Company. 428,947–8; Apr. 8.

Signs, Electrical. Edgelite Inc. 428,946; Apr. 8.

X-ray tube heads and portable and stationary X-ray tube housings, Portable. Ricker X-Ray Corporation Waite Manufacturing Division, Inc. 428,961; Apr. 8.

CLASS 22

Clay, Packaged modeling. Illinois Clay Products Company. 224,898; renewed Mar. 8, 1947. O. G. Apr. 8.

Dolls, toy rattles, toy pails, etc. O. Boucquey. 428,854; Apr. 8; Serial No. 488,504; published Jan. 21, 1947.

Fish hooks, fish lures, fish baits, etc. Pachner & Koller, Inc. 428,840; Apr. 8; Serial No. 481,337; published Jan. 21, 1947.

Fish lures. R. W. Berry. 428,942; Apr. 8.

Fish lures, Artificial. R. J. Hansen. 428,951; Apr. 8.

Fishing line. Cullum & Boren Company. 224,053; renewed Feb. 15, 1947. O. G. Apr. 8.

Games, Board. Pelham Games, Inc. 428,868; Apr. 8; Serial No. 494,113; published Jan. 21, 1947.

Golf bags. Henry Hotze & Sons Company. 428,917; Apr. 8; Serial No. 510,594; published Jan. 21, 1947.

Nets, badminton nets, and fish nets, Tennis. Carron Net Company. 428,945; Apr. 8.

Swimming devices, Rubber inflatable. Airubber Corporation. 222,911; renewed Jan. 11, 1947. O. G. Apr. 8.

Swings and carrousels, Playground. Playground Equipment Company, Inc. 428,847; Apr. 8; Serial No. 486,062; published Jan. 21, 1947.

Toy kites, dolls and cut-out dolls, etc. Viking Toy Company. 428,864; Apr. 8; Serial No. 492,807; published Jan. 21, 1947.

Toy model aircraft and parts thereof. Perrycraft Corporation. 428,944; Apr. 8.

Toy pistol holsters, golf bags, and bowling ball bags. Protection Products Co. 428,914; Apr. 8; Serial No. 507,422; published Jan. 21, 1947.

Toys. Velasco Toy Company. 428,846; Apr. 8; Serial No. 484,039; published Jan. 21, 1947.

CLASS 23

Automatic mechanical safety apparatus. Positive Safety Manufacturing Company. 428,953; Apr. 8.

Cranes of the mobile variety. Ransomes & Rapier Limited. 428,863; Apr. 8; Serial No. 491,678; published Jan. 7, 1947.

Crushing and pulverizing machinery and parts thereof, etc. Pettibone Mulliken Corporation. 428,841; Apr. 8; Serial No. 481,753; published Dec. 24, 1946.

Knives, butchers', bowie, and farriers', knives, scissors, etc., Pocket and table. George Wostenholm & Son, Limited. 56,558; re-renewed Oct. 9, 1946. O. G. Apr. 8.

Lathes, drilling machines, planing machines, etc. Reed-Prentice Corporation. 428,922; Apr. 8.

Motors, Internal combustion bicycle. Whizzer Motor Company. 428,871; Apr. 8; Serial No. 495,204; published Jan. 14, 1947.

Picks and ice choppers, Ice. Apex Products Corporation. 428,955; Apr. 8.

Presses, bench presses, punching presses, etc., Power. V & O Press Company, Incorporated. 428,895–6; Apr. 8; Serial Nos. 501,219–20; published Dec. 24, 1946.

Pumps. F. E. Myers & Bro. Company. 222,456; renewed Jan. 4, 1947. O. G. Apr. 8.

Pumps, Air. Bluemel Bros. Limited. 428,930; Apr. 8.

Pumps and parts thereof. Nash Engineering Company. 428,851; Apr. 8; Serial No. 487,793; published Dec. 31, 1946.

Scissors and shears. Acme Shear Company. 428,899; Apr. 8; Serial No. 501,551; published Jan. 7, 1947.

Screw driver sets, snips, end nippers, etc. Marine Company. 428,869; Apr. 8; Serial No. 494,345; published Dec. 24, 1946.

Stapling machines, glazier point driving machines, automatic tacking machines. Tigion Company. 428,916; Apr. 8; Serial No. 509,892; published Jan. 14, 1947.

Tools, Diamond pointed. Wheel Trueing Tool Company of Delaware. 428,837; Apr. 8; Serial No. 466,241; published Jan. 14, 1947.

Wrenches, holders for receiving and hanging gas welding torches, Ratchet. V. E. Sprouse Company. 428,928; Apr. 8.

CLASS 26

Apparatus for indicating the exact positions of the cams of a cam shaft of a motor. H. R. Meyer. 428,852; Apr. 8; Serial No. 487,961; published Jan. 14, 1947.

Drawing instruments. Keuffel & Esser Company. 59,013; re-renewed Dec. 25, 1946. O. G. Apr. 8.

Eyeglasses and spectacle frames. Kong Manufacturing Company. 428,905; Apr. 8; Serial No. 502,584; published Jan. 14, 1947.

Gages, Plug. New England Carbide Tool Co., Inc. 428,900; Apr. 8; Serial No. 502,230; published Jan. 14, 1947.

Glasses, Gauge. Advance Packing & Supply Co. 219,854; renewed Oct. 26, 1946. O. G. Apr. 8.

Lenses and blanks, Ophthalmic. Unisite Lens Company, Inc. 224,762; renewed Mar. 1, 1947. O. G. Apr. 8.

Measuring tapes. Keuffel & Esser Company. 220,462; renewed Nov. 9, 1946. O. G. Apr. 8.

Meters, combination weighing scale and hopper, etc., Water. Read Machinery Company, Inc. 428,877; Apr. 8; Serial No. 495,505; published Jan. 14, 1947.

CLASS 27

Watch movements and watchcases. Illinois Watch Case Co. 218,748; renewed Oct. 5, 1946. O. G. Apr. 8.

Watch movements and watchcases. Illinois Watch Case Co. 218,780; renewed Oct. 5, 1946. O. G. Apr. 8.

Watches. Bulova Watch Company, Inc. 223,259; renewed Jan. 25, 1947. O. G. Apr. 8.

Watches, clocks, and watch bracelets. J. E. Fishbein. 428,958; Apr. 8.

CLASS 28

Holders, silver toilet ware, etc., Plated-precious-metal-trimmed cigar, pipe, and cigarette. S. C. Warshaw. 217,888; renewed Sept. 14, 1946. O. G. Apr. 8.

Jewelry. Zell Bros. 428,925; Apr. 8.

CLASS 32

Cushions and mattresses. Airubber Corporation. 223,816; renewed Feb. 8, 1947. O. G. Apr. 8.

Furniture, Bedroom. Jamestown Table Company. 221,040; renewed Nov. 23, 1946. O. G. Apr. 8.

CLASS 34

Air circulating systems, Forced. Preco Incorporated. 428,883; Apr. 8; Serial No. 497,411; published Jan. 21, 1947.

Burners and oil-burning boilers and furnaces, Oil. Fairfield Oil Heating Co., Inc. 428,941; Apr. 8.

Burners, Fuel oil. Automatic Burner Corporation. 428,911; Apr. 8; Serial No. 503,694; published Jan. 21, 1947.

Heaters, Gas water. Gough Industries, Inc. 428,849; Apr. 8; Serial No. 487,616; published Jan. 21, 1947.

Lamp shades. Silk-O-Lite Mfg. Corp. 428,962; Apr. 8.

Radiators, Connector type. Vulcan Radiator Company. 428,954; Apr. 8.

Stoves, ranges, portable, space and water heaters, Kitchen. Champion Stove Company. 428,878; Apr. 8; Serial No. 495,955; published Jan. 21, 1947.

CLASS 35

Belting, leather packing, and leather washers, Leather E. F. Houghton & Co. 60,767; re-renewed Feb. 19, 1947. O. G. Apr. 8.

CLASS 36

Automatic piano-players. Autopiano Company. 56,003; re-renewed Aug. 21, 1946. O. G. Apr. 8.

Pianos. Kohler & Campbell, Inc. 58,283; re-renewed Dec. 11, 1946. O. G. Apr. 8.

CLASS 37

Binders, Loose leaf. Wilson Jones Company. 428,943; Apr. 8.

Clips, Metal. E. J. Early. 428,937; Apr. 8.

Paper board, Converting. International Paper Company. 428,885; Apr. 8; Serial No. 498,847; published Jan. 21, 1947.

Pencils, Magazine. R. Nardi. 428,925; Apr. 8.

Pens and pencils, Fountain. Salz Bros., Inc. 228,507; renewed June 7, 1947. O. G. Apr. 8.

Stationery. Stuart Hall Co. 428,931; Apr. 8.

Tablets, practice paper, blank labels, note and composition books, etc. Kurtz Bros. 219,420; renewed Oct. 19, 1946. O. G. Apr. 8.

CLASS 38

Army weekly. United States War Department. 428,842; Apr. 8; Serial No. 481,869; published July 17, 1945.

Booklets. International Brotherhood of Electrical Workers. 428,861; Apr. 8; Serial No. 491,325; published Dec. 17, 1946.

Books, magazines, pamphlets, etc. Commerce Clearing House, Inc. 428,904; Apr. 8; Serial No. 502,424; published Dec. 31, 1946.

Cards, and greeting folders, booklets of children's stories, etc., Greeting. Norcross. 428,844–5; Apr. 8; Serial Nos. 483,014–15; published Jan. 14, 1947.

Cards and printed or otherwise impressed greeting folders, booklets of children's stories, etc., Greeting. Norcross. 428,856; Apr. 8; Serial No. 488,768; published Jan. 14, 1947.

Cards, Greeting. Gartner & Bender, Inc. 428,867; Apr. 8; Serial No. 494,055; published Dec. 31, 1946.

Cards, printed greeting folders, calendars, etc., Greeting. Norcross. 428,903; Apr. 8; Serial No. 502,399; published Jan. 14, 1947.

Cards, printed or otherwise impressed folders, calendars, etc., Greeting. Norcross. 428,843; Apr. 8; Serial No. 482,498; published Jan. 14, 1947.

Cards, printed ornamental tags and seals, booklets, etc. Norcross. 428,873–4; Apr. 8; Serial Nos. 495,253–4; published Jan. 14, 1947.

Cards, printed tags, printed seals, etc., Greeting. Norcross. 428,857–8; Apr. 8; Serial Nos. 488,769–70; published Jan. 14, 1947.

Cards, Printed union shop. International Brotherhood of Electrical Workers. 428,862; Apr. 8; Serial No. 491,330; published Dec. 17, 1946.

Cartoons and comic strips. G. Baker. 428,865; Apr. 8; Serial No. 493,725; published Dec. 17, 1946.

Cartoons, Series of. Tribune Company. 428,901–2; Apr. 8; Serial Nos. 502,350–1; published Dec. 31, 1946.

Column of a regularly issued magazine. Cowles Magazines, Inc. 428,909; Apr. 8; Serial No. 503,637; published Jan. 14, 1947.

Column or section in a periodically issued, printed publication. Arcady Farms Milling Company. 428,848; Apr. 8; Serial No. 486,738; published Dec. 31, 1946.

Decalcomanias, Commercial and decorative. Meyercord Company. 428,875; Apr. 8; Serial No. 495,488; published Jan. 14, 1947.

Decalcomanias, Commercial and decorative. Meyercord Company. 428,876; Apr. 8; Serial No. 495,490; published Jan. 14, 1947.

Labels and printed labels, Embossed. F. E. Mason & Sons. 428,887; Apr. 8; Serial No. 499,139; published Dec. 31, 1946.

Magazine. Parents' Institute, Inc. 428,918; Apr. 8; Serial No. 510,859; published Jan. 7, 1947.

Magazine published quarterly. American Peace Society. 428,881; Apr. 8; Serial No. 497,289; published Dec. 31, 1946.

Magazines. Our World Publishing Company. 428,891; Apr. 8; Serial No. 500,179; published Dec. 17, 1946.

Newspaper cartoon page and/or strip. Hearst Corporation. 428,893; Apr. 8; Serial No. 500,880; published Dec. 31, 1946.

Pamphlets. Richard Hudnut. 428,908; Apr. 8; Serial No. 503,251; published Jan. 14, 1947.

Periodical. Traffic Service Corporation. 223,119; renewed Jan. 18, 1947. O. G. Apr. 8.

Periodicals. Commonwealth Engineering Company of Ohio. 428,884; Apr. 8; Serial No. 497,594; published June 25, 1946.

Publication. Ralph C. Coxhead Corporation. 428,889; Apr. 8; Serial No. 499,696; published Jan. 14, 1947.

Publication, Monthly. F. J. Griesman. 428,853; Apr. 8; Serial No. 488,033; published Jan. 7, 1947.

Publication, Periodical. Fawcett Publications, Inc. 428,912; Apr. 8; Serial No. 503,809; published Jan. 14, 1947.

Publication, Periodical. J. and Elaine Glassman. 428,890; Apr. 8; Serial No. 499,778; published Dec. 17, 1946.

Publications. Town Hall, Inc. 428,888; Apr. 8; Serial No. 499,671; published Dec. 17, 1946.

Radio scripts published in a continuing series. Crosley Corporation. 428,894; Apr. 8; Serial No. 501,049; published Dec. 31, 1946.

Section of a regularly issued magazine. Cowles Magazines, Inc. 428,886; Apr. 8; Serial No. 498,984; published Dec. 31, 1946.

Section of periodical publications. United States News Publishing Corporation. 428,906; Apr. 8; Serial No. 502,673; published Dec. 31, 1946.

Sheet music and musical publications. Meszaros & Fisher. 428,897; Apr. 8; Serial No. 501,466; published Dec. 31, 1946.

Tags, printed and ready for use. Savage, Inc. 428,880; Apr. 8; Serial No. 497,046; published Dec. 31, 1946.

CLASS 39

Clothing. Hills, McLean & Haskins, Incorporated. 223,719; renewed Feb. 8, 1947. O. G. Apr. 8.

Hats for men. Dunlap & Co. 223,740; renewed Feb. 8, 1947. O. G. Apr. 8.

Headwear—hats, caps, bonnets, and toques. Dunlap & Co. 60,355; re-renewed Feb. 5, 1947. O. G. Apr. 8.

Headwear, Women's. Dunlap & Co. 60,356; re-renewed Feb. 5, 1947. O. G. Apr. 8.

Overalls. Levi Strauss and Company. 223,725; renewed Feb. 8, 1947. O. G. Apr. 8.

Overcoats. J. & J. C. Dorward Limited. 210,901; renewed Mar. 23, 1946. O. G. Apr. 8.

Socks and stockings, Knitted. Magnet Knitting Mills. 61,170; re-renewed Mar. 5, 1947. O. G. Apr. 8.

Suits and overcoats for men. Pauson & Company. 223,575; renewed Feb. 8, 1947. O. G. Apr. 8.

Suits, negligee shirts, pyjamas, etc., Men's. Albert Steriger, Inc. 223,569; renewed Feb. 8, 1947. O. G. Apr. 8.

CLASS 40

Shields, Dress. St. George Proofing Co., Inc. 428,950; Apr. 8.

CLASS 42

Bridge sets, towels, scarfs, etc. I. M. Byer. 428,933; Apr. 8.

Fabric. Chicopee Manufacturing Corporation of Georgia. 428,892; Apr. 8; Serial No. 500,521; published Dec. 24, 1946.

Florists' supplies. J. C. Nielsen. 224,756; renewed Mar. 1, 1947. O. G. Apr. 8.

Piece goods. Edwin E. Berliner & Co. 428,935; Apr. 8.

Piece goods made of wool, worsted, rayon, etc., Knitted. I. A. Wyner & Co., Inc. 221,063; renewed Nov. 23, 1946. O. G. Apr. 8.

Piece goods of wool, cotton, rayon, etc. Cohn-Hall-Marx Company. 428,879; Apr. 8; Serial No. 496,429; published Jan. 14, 1947.

Textile fabrics. E. W. Twitchell Incorporated. 428,870; Apr. 8; Serial No. 495,159; published Jan. 21, 1947.

Textile fabrics in the piece. Barret Textile Corp. 428,866; Apr. 8; Serial No. 493,728; published Jan. 21, 1947.

Textile fabrics in the piece. Albert H. Vandam Co., Inc. 428,882; Apr. 8; Serial No. 497,355; published Jan. 21, 1947.

Textile fabrics in the piece of cotton, rayon, protein fibres. Albert H. Vandam Co., Inc. 428,838; Apr. 8; Serial No. 479,825; published Dec. 4, 1945.

Woolen goods in the piece. J. & J. C. Dorward Limited. 218,190; renewed Sept. 21, 1946. O. G. Apr. 8.

CLASS 44

Arch supports. A. H. Ahronheim. 428,872; Apr. 8; Serial No. 495,207; published Jan. 21, 1947.

Bone fracture appliances and equipment. J. R. Siebrandt. 428,932; Apr. 8.

Dental flux rods. Motloid Company. 428,938; Apr. 8.

Instruments for dental surgery. Sodeco Societe des Compteurs de Geneve. 428,850; Apr. 8; Serial No. 487,694; published Jan. 21, 1947.

Powder for use in making artificial stones. Cosmos Dental Products, Inc. 428,920; Apr. 8; Serial No. 512,166; published Jan. 21, 1947.

Shoe inserts, Corrective. J. M. Hiss. 428,939; Apr. 8.

Surgical tapes, Adhesive. Industrial Tape Corporation. 428,860; Apr. 8; Serial No. 491,095; published Jan. 21.

CLASS 45

Beverages, Carbonated, nonalcoholic, non-cereal, maltless. Wm. Tehel. 219,511; renewed Oct. 19, 1946. O. G. Apr. 8.

Lemon soda, soda water, sarsaparilla, etc. R. H. Macy & Co., Inc. 222,339; renewed Dec. 28, 1946. O. G. Apr. 8.

CLASS 46

Beans with pork, beef cubes, mincemeat, etc. Seeman Brothers, Inc. 223,290; renewed Feb. 1, 1947. O. G. Apr. 8.

Bread. H. C. Bohack Co., Inc. 224,565; renewed Mar. 1, 1947. O. G. Apr. 8.

Canned fruit. Hawaiian Pineapple Company, Ltd. 224,558; renewed Mar. 1, 1947. O. G. Apr. 8.

Canned fruits and vegetables. Seeman Brothers, Inc. 223,068; renewed Jan. 18, 1947. O. G. Apr. 8.

Canned sweet corn. Merrell Canning Co. 223,726; renewed Feb. 8, 1947. O. G. Apr. 8.

Cherries, apricots, peaches, etc., Fresh. California Fruit Exchange. 222,774; renewed Jan. 11, 1947. O. G. Apr. 8.

Chocolate, cocoa, and candy. Henry Maillard, Inc. 223,651; renewed Feb. 8, 1947. O. G. Apr. 8.

Citron, raisins, currants, etc. Seeman Brothers, Inc. 223,069; renewed Jan. 18, 1947. O. G. Apr. 8.

Dessert mixture, Flavored gelatin. C. T. Wegner, Jr. 223,900; renewed Feb. 15, 1947. O. G. Apr. 8.

Fish, and especially salted and boneless fish, Prepared. J. W. Beardsley's Sons. 29,224; re-renewed Dec. 1, 1946. O. G. Apr. 8.

Fruits, to wit: oranges, lemons, and grapefruit, Citrus. W. B. Wall. 29,634; re-renewed Mar. 2, 1947. O. G. Apr. 8.

Honey and flavoring extracts. Seeman Brothers, Inc. 223,881; renewed Feb. 15, 1947. O. G. Apr. 8.

Salt, bicarbonate of soda, ball blue, and borax, Table. Seeman Brothers, Inc. 223,346; renewed Feb. 1, 1947. O. G. Apr. 8.

Sauce, cranberry sauce, chili sauce, etc., Worcestershire. Seeman Brothers, Inc. 224,227; renewed Feb. 22, 1947. O. G. Apr. 8.

Tapioca, hominy, samp, rolled oats, etc. Seeman Brothers, Inc. 224,131; renewed Feb. 22, 1947. O. G. Apr. 8.

Wheat-flour. Schwabacher Bros. & Co., Inc. 59,232; re-renewed Jan. 1, 1947. O. G. Apr. 8.

CLASS 48

Ale, lager-beer, and porter. A. G. Van Nostrand. 57,572; re-renewed Nov. 13, 1946. O. G. Apr. 8.

Ales, porter, half-and-half, and brown stout. C. Feigenspan. 57,327; re-renewed Nov. 13, 1946. O. G. Apr. 8.

CLASS 50

Awnings and porch shades. Duban Shade Corporation. 219,875; renewed Oct. 26, 1946. O. G. Apr. 8.

Flags, bunting, and decorations. Annin & Co. 29,674; re-renewed Mar. 9, 1947. O. G. Apr. 8.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 8TH DAY OF APRIL, 1947

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Deakin, Gerald, New York, N. Y., and H. F. Herbig, Madison, N. J., assignors to International Standard Electric Corporation, New York, N. Y. Electric selection controlling circuit. Re. 22,861; Apr. 8.

Herbig, Henry F.: *See*—
  Deakin, Gerald, and Herbig.

International Standard Electric Corporation, assignee: *See*—
  Deakin, Gerald, and Herbig.

Kerbawy, Haford G., Blissfield, Mich., assignor to A. G. Kerby, Cleveland, Ohio. Sock drier. Re. 22,862; Apr. 8.

Kerby, Alexander G., assignee: *See*—
  Kerbawy, Haford G.

Mallory, Marion, Detroit, Mich. Internal combustion engine. Re. 22,863; Apr. 8.

Schachinger, Edward A., New York, N. Y. Watchman's signal system. Re. 22,864; Apr. 8.

Vincent, Daniel B., Tampa, Fla. Making a food product. Re. 22,865; Apr. 8.

LIST OF DESIGN PATENTEES

Abramson, Nathan, New York, N. Y., assignor to Presto Electric Co., Union City, N. J. Chime signal. 146,550; Apr. 8.

Adams, Wilbur H., Millcreek Township, Erie County, Pa. Food dispenser. 146,551; Apr. 8.

Aquilino, Antonio, Providence, R. I. Brooch. 146,552; Apr. 8.

Aquilino, Antonio, Providence, R. I. Brooch. 146,553; Apr. 8.

Birtman Electric Company, assignee: *See*—
  Karstadt, Clarence.

Butterworth, Frank, Belmont, assignor to Spencer Shoe Corporation, Boston, Mass. Store front. 146,554; Apr. 8.

Chamness, James F., Dwight, Ill. Electric lamp stand or the like. 146,555; Apr. 8.

Chamness, James F., Dwight, Ill. Electric lamp stand or the like. 146,556; Apr. 8.

Coro, Inc., assignee: *See*—
  Katz, Adolph.

Cosme, Peter A., assignor to Sears, Roebuck and Co., Chicago, Ill. Playground apparatus. 146,557; Apr. 8.

Davis, Russell E., assignor to Hussmann-Ligonier Company, St. Louis, Mo. Refrigerated display case. 146,558; Apr. 8.

Dimick, Henry N., assignor to Hyster Company, Portland, Oreg. Straddle truck. 146,559; Apr. 8.

Dimick, Henry N., assignor to Hyster Company, Portland, Oreg. Highway straddle truck. 146,560; Apr. 8.

Edelstein, David, New York, N. Y. Lace. 146,561; Apr. 8.

Emde, Kurt, Itasca, and G. B. Vernier, assignors to Zenith Radio Corporation, Chicago, Ill. Phonograph pickup arm. 146,562; Apr. 8.

Fortgang, Benjamin: *See*—
  Greenberg, Jack, and Fortgang.

Gargano, Frank J., Providence, R. I. Brooch. 146,563; Apr. 8.

Gargano, Frank J., Providence, R. I. Brooch. 146,564; Apr. 8.

Gargano, Frank J., Providence, R. I. Brooch. 146,565; Apr. 8.

Gmeindl, Joseph, Milwaukee, Wis. Vase. 146,566; Apr. 8.

Greenberg, Jack, and B. Fortgang, New York, N. Y. Leather jacket. 146,567; Apr. 8.

Hassan, Sidney N., New York, N. Y. Post card. 146,568; Apr. 8.

Hooven, Howard, Doylestown, assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 146,569; Apr. 8.

Hooven, Howard, Doylestown, assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 146,570; Apr. 8.

Hooven, Howard, Doylestown, assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 146,571; Apr. 8.

Hubner, Roberta H., New York, N. Y. Tablecloth or similar article. 146,572; Apr. 8.

Hussmann-Ligonier Company, assignee: *See*—
  Davis, Russell E.

Hyster Company, assignee: *See*—
  Dimick, Henry N.

Karstadt, Clarence, Glen Ellyn, Ill., assignor to Birtman Electric Company. Tank type suction cleaner casing. 146,573; Apr. 8.

Karstadt, Clarence, Glen Ellyn, Ill., assignor to Birtman Electric Company. Suction cleaner casing. 146,574; Apr. 8.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 146,575; Apr. 8.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 146,576; Apr. 8.

Kelley, John C., New Haven, Conn. Rosary of the Stations of the Cross. 146,577; Apr. 8.

Kirik, Ted, New York, N. Y. Game device. 146,578; Apr. 8.

Laessig, Robert, New York, N. Y. Tablecloth or similar article. 146,579; Apr. 8.

Metlox Manufacturing Company, assignee: *See*—
  Prouty, Willis O.

Miller, Jerome J., Ottoville, Ohio. Toy airplane. 146,580; Apr. 8.

Nehrenz, William L., assignor to David Traum Company, Incorporated, New York, N. Y. Display cabinet. 146,581; Apr. 8.

Otto, Ferdinand P., assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 146,582; Apr. 8.

Otto, Ferdinand P., assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 146,583; Apr. 8.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel Inc., New York, N. Y. Necklace. 146,584; Apr. 8.

Presto Electric Co., assignee: *See*—
  Abramson, Nathan.

Prouty, Willis O., Puente, assignor to Metlox Manufacturing Company, Manhattan Beach, Calif. Plate or similar article. 146,585; Apr. 8.

Quaker Lace Company, assignee: *See*—
  Hooven, Howard.
  Otto, Ferdinand P.

Rohner, Ludwig G., New York, N. Y. Tablecloth or similar article. 146,586; Apr. 8.

Rohner, Ludwig G., New York, N. Y. Tablecloth or similar article. 146,587; Apr. 8.

Rohner, Ludwig G., New York, N. Y. Tablecloth or similar article. 146,588; Apr. 8.

Sears, Roebuck and Co., assignee: *See*—
  Cosme, Peter A.

Shanklin, Richard V., Jr., Huntington, W. Va. Plate or similar article. 146,589; Apr. 8.

Spencer Shoe Corporation, assignee: *See*—
  Butterworth, Frank.

Traum, David, Company, Incorporated, assignee: *See*—
  Nehrenz, William L.

Trifari Krussman & Fishel Inc., assignee: *See*—
  Philippe, Alfred.

Vernier, George B.: *See*—
  Emde, Kurt, and Vernier.

Zenith Radio Corporation, assignee: *See*—
  Emde, Kurt, and Vernier.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 8TH DAY OF APRIL, 1947

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Agnew, Albert B., Indiana, Pa., and F. J. Reff, Chicago, Ill. Blast furnace bottom. 2,418,742; Apr. 8.
Air Reduction Company, Incorporated, assignee: *See—*
  Walker, George L.
Alfthan, Johannes, New York, N. Y., and R. T. Fields, Arlington, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of tapered filaments. 2,418,492; Apr. 8.
All American Aviation, Inc., assignee: *See—*
  Du Pont, Richard C.
Allen, Charles F. H., and J. E. Jones, assignors to Eastman Kodak Company, Rochester, N. Y. Fog inhibitors for photographic emulsions. 2,418,613; Apr. 8.
Allen, Herbert, assignor to Cameron Iron Works, Houston, Tex. Circulating type packer and valve therefor. 2,418,493; Apr. 8.
Allied Control Company, Inc., assignee: *See—*
  Miller, Edward G., and Engberg.
Allied Control Valve Company, Inc., The, assignee: *See—*
  Goepfrich, George A.
Allied Plastics Company, assignee: *See—*
  Crane, Walton B.
Allis-Chalmers Manufacturing Company, assignee: *See—*
  Etherington, Harold.
  Sikorra, Daniel J.
American Chain & Cable Company, Inc., assignee: *See—*
  Peterson, Vincent C. J., and Loewen.
American Cyanamid Company, assignee: *See—*
  Nagy, Daniel E., and Redmon.
American Enka Corporation, assignee: *See—*
  Moritz, Adrian J. L.
American Optical Company, assignee: *See—*
  Richards, Oscar W.
  Tillyer, Edgar D.
American Viscose Corporation, assignee: *See—*
  Brown, Kenneth R.
Amidon, Roy C., assignor to Vanity Fair Mills, Inc., Reading, Pa. Thread guide for knitting machines. 2,418,445; Apr. 8.
Anderson, John M., Sawyer, Wis. Electric cable strap. 2,418,539; Apr. 8.
Anderson, Olaf R., assignor, by mesne assignments, to The Bastian-Blessing Company, Chicago, Ill. Method of and apparatus for heating liquefied gas fuel. 2,418,446; Apr. 8.
Annin, Douglas H., Oakland, assignor, by mesne assignments, to Fluid Control Engineering Co., Emeryville, Calif. Liquid level gauge. 2,418,614; Apr. 8.
Anthony Company, assignee: *See—*
  Anthony, William C., and Wachter.
Anthony, William C., and L. W. Wachter, assignors to Anthony Company, Streator, Ill. Twin lift. 2,418,494; Apr. 8.
Apex Electrical Manufacturing Company, The, assignee: *See—*
  Davis, Archibald H., Jr.
Arbogast, Alfred C., assignor to Northern Indiana Brass Company, Elkhart, Ind. Valve. 2,418,447; Apr. 8.
Arbogast, Alfred C., assignor to Northern Indiana Brass Company, Elkhart, Ind. Valve. 2,418,448; Apr. 8.
Armour Research Foundation, assignee: *See—*
  Camras, Marvin.
Armstrong, Adam E.: *See—*
  Dehn, William A., and Armstrong.
Armstrong Machine Works, assignee: *See—*
  Dehn, William A., and Armstrong.
Arnesen, Walter A., Flushing, N. Y. Cautery transformer. 2,418,687; Apr. 8.
Arnhym, Albert A., Point Loma, assignor, by mesne assignments, to Solar Aircraft Company, San Diego, Calif. Fuel-air mixture control for aircraft heaters. 2,418,566; Apr. 8.
Arvidson, Bengt A., Villa Park, assignor to Miller Wrapping and Sealing Machine Company, Chicago, Ill. Wrapping machine. 2,418,449; Apr. 8.
Atlantic Refining Company, The, assignee: *See—*
  McCormick, Darwin M., Barbour, and Griesinger.
Atwood, Francis C., Newton, Mass., assignor, by mesne assignments, to National Dairy Products Corporation, New York, N. Y. Making an elastic polymer by milling and heating glycol with a copolymer of an alkyl acrylate and maleic anhydride. 2,418,688; Apr. 8.
Auer, Laszlo, South Orange, N. J. Preparing emulsions of soap-free fatty oils. 2,418,451; Apr. 8.
Auer, Laszlo, South Orange, N. J. Making coating material emulsions. 2,418,452; Apr. 8.
Auer, Laszlo, South Orange, N. J. Process for making coating material emulsions. 2,418,453; Apr. 8.
Auer, Laszlo, South Orange, N. J. Isomerized fatty acid esters. 2,418,454; Apr. 8.
Auer, Laszlo, East Orange, N. J., assignor to Interchemical Corporation, New York, N. Y. Flatting agent. 2,418,450; Apr. 8.
Auerbach, Zemach, New York, N. Y. Razor blade dispensing magazine. 2,418,495; Apr. 8.
Ausherman, William S., Wichita, Kans. Trailer for self-propelled combines. 2,418,567; Apr. 8.
Automatic Electric Laboratories, Inc., assignee: *See—*
  Voss, John H.
Baker, Ora D., Tacoma, Wash. Protective unit for fluid lines. 2,418,743; Apr. 8.
Ballamy, Leslie M., Caterham, and R. H. Sheepshanks, Eyke, Woodbridge, England. Suspension system for road vehicles and the like. 2,418,744; Apr. 8.
Banker, Oscar H., Evanston, assignor to New Products Corporation, Chicago, Ill. Marine reversing gear. 2,418,455; Apr. 8.
Barbour, Carroll B.: *See—*
  McCormick, Darwin M., Barbour, and Griesinger.
Barna, Stephen L., Detroit, Mich. Toothbrush holder. 2,418,615; Apr. 8.
Bartlett, Luis H., assignor to Texas Research Corporation, Austin, Tex. Quick freezing of foodstuffs. 2,418,745; Apr. 8.
Bartlett, Luis H., W. R. Woolrich, and H. E. Brown, assignors to Texas Research Corporation, Austin, Tex. Food freezing machine. 2,418,746; Apr. 8.
Bastian-Blessing Company, The, assignee: *See—*
  Anderson, Olaf R.
  Johnson, Herman K.
Batcheller, Hugh W., Newton, assignor to Standard Mfg. Co., Watertown, Mass. Multiple purpose electric switch. 2,418,616; Apr. 8.
Bauer, L. Brunton, assignor to Hewlett-Packard Company, Palo Alto, Calif. Frequency divider. 2,418,568; Apr. 8.
Baumann, August, Brooklyn, N. Y. Beating wing aircraft. 2,418,569; Apr. 8.
Baumann, Henry N., Jr., and R. C. Benner, assignors to The Carborundum Company, Niagara Falls, N. Y. Alumina solid solution. 2,418,496; Apr. 8.
Baumann, Karl, Knutsford, assignor to Metropolitan-Vickers Electrical Company Limited, London, England. Internal combustion turbine plant. 2,418,801; Apr. 8.
Bavley, Abraham, Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Nondiffusing phenolic color couplers. 2,418,747; Apr. 8.
Bavley, Abraham, Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Heterocyclic color couplers. 2,418,748; Apr. 8.
Beach, Ralph M.: *See—*
  Robinson, Edwin A., and Beach.
Becker, Joseph A., Summit, H. Christensen, Springfield, and J. J. Kleimack, Westfield, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Resistor. 2,418,461; Apr. 8.
Bell Telephone Laboratories, Incorporated, assignee: *See—*
  Becker, Joseph A., Christensen, and Kleimack.
  Buehler, Ernest.
  Corwin, Thomas L.
  Doba, Stephen, Jr.
  Ellis, William C., and Souden.
  Hagstrum, Homer D.
  Holden, William H. T., and Morton.
  Samuel, Arthur L.
  Sproul, Philip T.
Belnap, Robert K., Jr.: *See—*
  Bjering, Olav, and Belnap.
Bendar, Arthur Z., Quincy, Mich. Compressible mop and wringer. 2,418,802; Apr. 8.
Bendix Aviation Corporation, assignee: *See—*
  Frei, Jakob R.
  Goepfrich, Rudolph A.
  Tognola, Tullio.
Benedict, Wayne L., Chicago, and W. J. Mattox, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Production of alkylated aromatic hydrocarbons. 2,418,689; Apr. 8.
Benner, Raymond C.: *See—*
  Baumann, Henry N., Jr., and Benner.
Bennett, Robert M., Ithan, Pa., assignor to General Electric Company. Electric circuit interrupter. 2,418,690; Apr. 8.
Bernard, Frances M., assignee, et al.: *See—*
  Bernard, Nicholas.
Bernard, Nicholas, Crowley, La., assignor of one-half to F. M. Bernard, and one-half to A. B. Ducharme. Railroad tie forming machine. 2,418,570; Apr. 8.
Berry, Frank R., Jr., Clarks Green, Pa. Vehicle mounted ash tray. 2,418,749; Apr. 8.

Bessire, Jean-Jacques, Biel, Switzerland. Pickup device of sound-reproducing machines. 2,418,617; Apr. 8.
Bissell Carpet Sweeper Company, assignee: *See—*
  Pullen, Fred W.
Bjering, Olav, and R. K. Belnap, Jr., Toledo, Ohio, assignors to Owens-Illinois Glass Company. Machine for emptying and washing containers. 2,418,691; Apr. 8.
Bliss, Warren H., Orono, Maine, and J. E. Smith, Jackson Heights, N. Y., assignors to Radio Corporation of America. Signal detection system. 2,418,750; Apr. 8.
Bloch, Edith: *See—*
  Schwenk, Erwin, Bloch, and Whitman.
Blythe, Harold J: *See—*
  Martin, Walter R., Linder, and Blythe.
Bohn, Jacob L.: *See—*
  Nadig, Francis H., and Bohn.
Boisseau, Alexander C.: *See—*
  Thumim, Carl, and Boisseau.
Boland, Edward R., Fairhaven, Mass., assignor of one-fifth to T. A. Janckes, Lonsdale, R. I., Parachute. 2,418,456; Apr. 8.
Borg-Warner Corporation, assignee: *See—*
  Rockwell, Edward A.
Born, Frank G., Beloit, Wis., assignor to Warner Electric Brake Manufacturing Company, South Beloit, Ill. Electrical coupling plug. 2,418,457; Apr. 8.
Bousquet, Euclid W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Pest control. 2,418,458; Apr. 8.
Bousquet, Euclid W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Pest control. 2,418,459; Apr. 8.
Bowersox, Marvin W., Wichita, Kans. Bottle holder and carrier. 2,418,571; Apr. 8.
Boylan, Francis O.: *See—*
  Ostertag, Harry M., and Boylan.
Brennan, James E., Lakewood, Ohio. Ice cube dispensing refrigerator. 2,418,572; Apr. 8.
Breslav, Jack, New Haven, Conn. Gripping and lifting strip material. 2,418,692; Apr. 8.
Breslav, Jack, New Haven, Conn. Industrial truck. 2,418,693; Apr. 8.
Bressler, Robert E., Oregon, Ill. Screw conveyor construction. 2,418,540; Apr. 8.
Brewer, John H., Baltimore, Md., assignor to Hynson, Westcott & Dunning, Incorporated. Pipette washer. 2,418,751; Apr. 8.
Brick, Frank R., Elizabeth, assignor to Finch Telecommunications, Inc., Passaic, N. J. High-speed tape facsimile system. 2,418,618; Apr. 8.
Bristol Steel & Iron Works, Inc., assignee: *See—*
  Fergusson, Robert O.
Brooks, Eugene H., Dallas, Tex., assignor to Continental Gin Company. Lint cotton cleaner. 2,418,694; Apr. 8.
Brown Fintube Company, assignee: *See—*
  Brown, John W., Jr.
Brown, Howard E.: *See—*
  Bartlett, Luis H., Woolrich, and Brown.
Brown Instrument Company, The, assignee: *See—*
  Malenshein, John F.
Brown, John W., Jr., Lakewood, assignor to Brown Fintube Company, Elyria, Ohio. Finned tube. 2,418,619; Apr. 8.
Brown, Kenneth R., West Chester, Pa., assignor, by mesne assignments, to American Viscose Corporation. Yarn having the twist set therein with an unctuous solid. 2,418,752; Apr. 8.
Brown, Robert, Brooklyn, N. Y. Ultra-violet light filter composition. 2,418,695; Apr. 8.
Brumagim, Ivan S., Warren, Pa. Rotary shaft seal. 2,418,620; Apr. 8.
Brunet, Laurent, Montreal, Quebec. Registering negatives. 2,418,754; Apr. 8.
Buda Company, The, assignee: *See—*
  Richards, Dwight.
Budd Company, The, assignee: *See—*
  Mann, William.
  Strickland, Harold A., Jr.
  Wohler, Stanley A.
Budnick, Jack, assignee: *See—*
  De Rugeris, John.
Buehler, Ernest, Chatham Township, Morris County, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Resistor. 2,418,460; Apr. 8.
Burk, Paul W.: *See—*
  Chadwick, George A., and Burk.
Burke, William J., Marshallton, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. N (acylthiomethyl) carbonylamides and their production. 2,418,497; Apr. 8.
Burke, William J., Marshallton, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Organic solvent soluble derivatives of cellulose and preparing the same. 2,418,498; Apr. 8.
Burke, William J., Marshallton, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. 2-alkoxymethylmercapto-thiazoles and thiazolines and preparing the same. 2,418,499; Apr. 8.
Burtle, Jerome G., Alton, Ill., assignor to Olin Industries, Inc. Explosive purification. 2,418,753; Apr. 8.
Cabot, Godfrey L., Inc., assignee: *See—*
  Loving, William.
Callaghan, Robert W., and R. H. Schilling, Minneapolis, Minn., assignors to General Mills, Inc. Wheat starch process. 2,418,621; Apr. 8.
Cameron Iron Works, assignee: *See—*
  Allen, Herbert.
Cameron, Walter G., and T. H. Morton, Braintree, assignors to Courtaulds Limited, London, England. Modifying the dyeing properties of cellulose or cellulose derivative textile materials. 2,418,696; Apr. 8.
Campbell, Richard C., North Plainfield, N. J. Folding shirts. 2,418,755; Apr. 8.
Camras, Marvin, assignor to Armour Research Foundation, Chicago, Ill. Reversible drive for a magnetic recording medium. 2,418,541; Apr. 8.
Camras, Marvin, assignor to Armour Research Foundation, Chicago, Ill. Magnetizing and erasing head arrangement for magnetic recorders. 2,418,542; Apr. 8.
Camras, Marvin, assignor to Armour Research Foundation, Chicago, Ill. Magnetic recording or reproducing device. 2,418,543; Apr. 8.
Carbide and Carbon Chemicals Corporation, assignee: *See—*
  Glenn, Roland D.
Carborundum Company, The, assignee: *See—*
  Baumann, Henry N., Jr., and Benner.
Carroll, Burt H.: *See—*
  Chechak, Jonas J., and Carroll.
Cartlidge, Frank, assignor to Goodman Manufacturing Company, Chicago, Ill. Material gathering and loading machine. 2,418,573; Apr. 8.
Caughey, John M., assignor to Stubnitz-Greene Spring Corporation, Adrian, Mich. Seat spring. 2,418,697; Apr. 8.
Cawein, Madison, Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation. Electron multiplier. 2,418,574; Apr. 8.
Chadwick, George A., and P. W. Burk, Washington, D. C. Machine gun magazine and cradle therefor. 2,418,462; Apr. 8.
Chadwick, Lee S., Shaker Heights, assignor to Perfection Stove Company, Cleveland, Ohio. Liquid fuel burning apparatus. 2,418,622; Apr. 8.
Chambers, Lawrence S., Alhambra, Calif. Apparatus for sampling formation fluids. 2,418,500; Apr. 8.
Chechak, Jonas J., assignor to Eastman Kodak Company, Rochester, N. Y. Stable diazo material. 2,418,623; Apr. 8.
Chechak, Jonas J., and B. H. Carroll, assignors to Eastman Kodak Company, Rochester, N. Y. Azo dyes for color photography. 2,418,624; Apr. 8.
Chicago Pneumatic Tool Company, assignee: *See—*
  Styes, Fred J.
Christensen, Howard: *See—*
  Becker, Joseph A., Christensen, and Kleimack.
Christiansen, Christian, St. Cloud, Minn. Beet harvester. 2,418,575; Apr. 8.
Christiansen, Walter G., Glen Ridge, and S. E. Harris, Nutley, N. J., assignors to E. R. Squibb & Sons, New York, N. Y. Alkoxy benzoates of N(hydroxy ethyl) and N(hydroxy phenethyl) substituted amino alcohols. 2,418,501; Apr. 8.
Christy, William C., Danville, Ill. Educational device. 2,418,756; Apr. 8.
Cisas, Michael, assignee: *See—*
  Wild, Glenn D.
Coleman, Joseph E., Red Bank, N. J., assignor to the Government of the United States of America, as represented by the Secretary of War. Crystal analysis apparatus. 2,418,463; Apr. 8.
Collins, Clark T., assignee: *See—*
  Lewis, Robert P.
Collins, John E., assignor to The Sinclair Collins Valve Company, Akron, Ohio. Cam structure. 2,418,757; Apr. 8.
Collins, Milford E., Los Angeles, Calif., assignor to Radio Corporation of America. Pad roller assembly. 2,418,544; Apr. 8.
Comtois, Rodolphe, St. Hyacinthe, Quebec, Canada. Spreading machine. 2,418,546; Apr. 8.
Conard, Frederick U., West Hartford, Conn., assignor to Underwood Corporation. Noiseless platen for typewriting machines. 2,418,698; Apr. 8.
Conrad, Harold E., assignee, et al.: *See—*
  Conrad, Harold L.
Conrad, Harold L., Oklahoma City, Okla., assignor of one-half to M. L. Conrad and one-half to H. E. Conrad. Signal system for cranes. 2,418,576; Apr. 8.
Conrad, Myrtle L., assignee, et al.: *See—*
  Conrad, Harold L.
Continental Gin Company, assignee: *See—*
  Brooks, Eugene H.
Cooper, Joseph T., Alhambra, Calif. Strip material. 2,418,758; Apr. 8.
Cornelius, George W., Essex, Conn. Hydraulic power transmitting mechanism. 2,418,625; Apr. 8.
Corwin, Thomas L., Newark, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Web controlled indicator. 2,418,464; Apr. 8.
Costelloe, Lauren J., Forest Grove, Oreg. Tractor mounted shovel loader attachment. 2,418,577; Apr. 8.

Courtaulds Limited, assignee: *See—*
Cameron, Walter G., and Morton.
Cowles Company, The, assignee: *See—*
Cowles, Edwin.
Cowles, Edwin, Cayuga, N. Y., assignor to The Cowles Company, Princeton, N. J. Method and apparatus for defibering paper stock. 2,418,547; Apr. 8.
Cox, Edward F., and J. S. Domingos, New Bedford, Mass. Pump. 2,418,699; Apr. 8.
Craig, James, assignee: *See—*
Stumpf, Tedi.
Craig, Tedi B.: *See—*
Stumpf, Tedi.
Crane Co., assignee: *See—*
Rosenston, David, and Yant.
Crane, Walton B., West Los Angeles, assignor to Allied Plastics Company, Los Angeles, Calif. Clasp for plastic cases. 2,418,578; Apr. 8.
Cranwell, Henry W., Seymour, Conn. Axle attachment for detecting hot boxes. 2,418,579; Apr. 8.
Crimmins, William C., assignor to Delta Electric Company, Marion, Ind. Flashlight. 2,418,759; Apr. 8.
Crom, John M., Washington, D. C. Constructing tile lined tanks. 2,418,580; Apr. 8.
Crompton & Knowles Loom Works, assignee: *See—*
Turner, Richard G.
Cucci, Victor J., Brooklyn, N. Y., assignor to Ilg Electric Ventilating Company. Pivotally mounted porthole blackout ventilator including a motor-driven fan. 2,418,760; Apr. 8.
Cutler-Hammer, Inc., assignee: *See—*
Reeves, James B., and Seeger.
Dailey, Manvel C.: *See—*
Linzell, Harry K., Simpson, and Dailey.
Damrell, William T., Mooresville, Mo. Inside-outside pipe grip. 2,418,626; Apr. 8.
Dasher, Norman, New York, N. Y. Machine for making slide fastener stringers. 2,418,761; Apr. 8.
Davies, Walter R., Shakopee, assignor to Northrup, King & Co., Minneapolis, Minn. Corn husking machine. 2,418,700; Apr. 8.
Davies, William H., and A. W. Johnson, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. 4-amino-5-arylpyrimidine. 2,418,548; Apr. 8.
Davis, Archibald H., Jr., University Heights, assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Mutilated gearing. 2,418,701; Apr. 8.
Degering, Edward F.: *See—*
Gwynn, Bernard H., and Degering.
Dehn, William A., and A. E. Armstrong, assignors to Armstrong Machine Works, Three Rivers, Mich. Thermostat. 2,418,762; Apr. 8.
Delta Electric Company, assignee: *See—*
Crimmins, William C.
De Rugeris, John, Atlantic City, assignor of one-half to J. Budnick, Pleasantville, N. J. Crash marker. 2,418,549; Apr. 8.
Dewey and Almy Chemical Company, assignee: *See—*
Mark, Jacob G., and Rubinstein.
Dimmick, Glenn L., Indianapolis, Ind., assignor to Radio Corporation of America. Color selective prism. 2,418,627; Apr. 8.
Doba, Stephen, Jr., Long Island City, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Drift meter. 2,418,465; Apr. 8.
Dodd, Paul R., Maryville, assignor of fifty per cent to I. D. Kenner, Mooresburg, Tenn. Chlorinating apparatus. 2,418,628; Apr. 8.
Domingos, James S.: *See—*
Cox, Edward F., and Domingos.
Dominion Electrical Manufacturing, Inc., assignee: *See—*
Jordan, Richard H.
Drake, George F., assignor to Woodward Governor Company, Rockford, Ill. Friction clutch. 2,418,466; Apr. 8.
Ducharme, Anna B., assignee, et al.: *See—*
Bernard, Nicholas.
Dunlop Tire and Rubber Corporation, assignee: *See—*
McChesney, Cuyler S.
Du Pont, E. I., de Nemours & Company, assignee: *See—*
Alfthan, Johannes, and Fields.
Bousquet, Euclid W.
Burke, William J.
O'Shaughnessy, Marion T., Jr.
Pratt, Burt C., and Salzberg.
Yonel, John M.
Du Pont, Richard C., Granogue, assignor to All American Aviation, Inc., Wilmington, Del. Method and apparatus for launching aircraft. 2,418,702; Apr. 8.
Eastman Kodak Company, assignee: *See—*
Allen, Charles F. H., and Jones.
Chechak, Jonas J., and Carroll.
Fallesen, George E.
Hutchison, Miller R., Jr., and Harmon.
Schubert, Alvin E., and Haelen.
Edison, Thomas A., Incorporated, assignee: *See—*
Zar, Jacob L.
Edison Wood Products, Incorporated, assignee: *See—*
Webb, Charles E.
Edwards and Company, Inc., assignee: *See—*
Edwards, Robert S.
Edwards, Robert S., New Canaan, Conn., assignor to Edwards and Company, Inc. Method and apparatus for stacking and tying medical compresses or the like. 2,418,550; Apr. 8.
Eisler, Charles, South Orange, N. J. Machine for sealing and molding glass bulbs. 2,418,763; Apr. 8.
Electric Storage Battery Company, The, assignee: *See—*
Riggs, Harold C.
Elliott Company, assignee: *See—*
Wilson, William A.
Ellis, William C., Maplewood, and A. G. Souden, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Treatment of finely divided magnetic material. 2,418,467; Apr. 8.
Engberg, Ralph E.: *See—*
Miller, Edward G., and Engberg.
Etherington, Harold, Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Calculator. 2,418,803; Apr. 8.
Evans, Arthur G., assignee: *See—*
Whitmer, Arnold.
Evernden, George D., Dallas, Tex. Bean and pea pod splitter. 2,418,581; Apr. 8.
Fallesen, George E., assignor to Eastman Kodak Company, Rochester, N. Y. Aromatic hydrocarbons and their halogen derivatives as antifoggants. 2,418,629; Apr. 8.
Farnsworth Television and Radio Corporation, assignee: *See—*
Cawein, Madison.
Farrell-Cheek Steel Company, assignee: *See—*
Ortman, Frank W.
Febbraro, Mario, Union City, N. J. Bottle closure. 2,418,60; Apr. 8.
Ferguson, Robert O., assignor of one-half to Bristol Steel & Iron Works, Inc., Bristol, Va.-Tenn. Container and scraping device therefor. 2,418,502; Apr. 8.
Ferrara, Michael, Brooklyn, N. Y. Ball bearing roller bodsled type vehicle. 2,418,703; Apr. 8.
Fields, Reuben T.: *See—*
Alfthan, Johannes, and Fields.
Finch Telecommunications, Inc., assignee: *See—*
Brick, Frank R.
Flexograph, Inc., assignee: *See—*
MacDonald, Richard A.
Flory, Leslie E.: *See—*
Morton, George A., and Flory.
Fluid Control Engineering Co., assignee: *See—*
Annin, Douglas H.
Ford Instrument Company, Inc., assignee: *See—*
Willard, Waldo W.
Ford, Martin J., Scranton, Pa. Cap frame. 2,418,764; Apr. 8.
Fox, Wilson R., Wyandotte, Mich. Drum handling device. 2,418,503; Apr. 8.
Franklin Process Company, assignee: *See—*
Traver, William A.
Freeman, Howard G., assignor to Rockwood Sprinkler Company of Massachusetts, Worcester, Mass. Sprinkler unit. 2,418,765; Apr. 8.
Frei, Jakob R., Sidney, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Distributor. 2,418,504; Apr. 8.
Frei, Jakob R., Sidney, assignor to Bendix Aviation Corporation, New York, N. Y. Ignition apparatus. 2,418,505; Apr. 8.
Fulton, William F., assignor to United Gas Pipe Line Company, Shreveport, La. High temperature cracking apparatus. 2,418,506; Apr. 8.
Gayer, John D., Springfield, Pa., assignor to General Electric Company. Manual operating device for electric circuit breakers. 2,418,704; Apr. 8.
Geiger, David F., Los Angeles, assignor of one-half to G. C. True, Long Beach, Calif. Underwater torch lighter. 2,418,631; Apr. 8.
General Aniline & Film Corporation, assignee: *See—*
Bavley, Abraham.
General Electric Company, assignee: *See—*
Bennett, Robert M.
Gayer, John D.
Groot, Robert W.
Harlow, Winton G.
Kline, Halsey W.
McArthur, Elmer D.
Thumim, Carl, and Boisseau.
General Mills, Inc., assignee: *See—*
Callaghan, Robert W., and Schilling.
Jakobsen, Jakob L.
Schilling, Richard H.
General Motors Corporation, assignee: *See—*
Schweller, Sylvester M.
Gerdes, Alfred M., assignee, et al.: *See—*
Shipley, George C.
Gillette Safety Razor Company, assignee: *See—*
Testi, Nicholas.
Glenn, Roland D., South Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation. Production of spinnable vinyl resin compositions. 2,418,507; Apr. 8.
Geopfrich, George A., Stamford, assignor to The Allied Control Valve Company, Inc., South Norwalk, Conn. Pressure-responsive device. 2,418,508; Apr. 8.

Geopfrich, Rudolph A., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 2,418,632; Apr. 8.
Godfrey, Lincoln: *See—*
Lambertsen, Christian J., and Godfrey.
Goodman Manufacturing Company, assignee: *See—*
Cartlidge, Frank.
Goodwin, Leslie C., and C. Tinsley, Parkside Mills, Golborne, near Warrington, assignors to Harben's (Viscose Silk Manufactures) Limited, Golborne, near Warrington, Lancashire, England. Drive of rayon spinning boxes. 2,418,705; Apr. 8.
Gould, Charles, Plainfield, assignor to Marco Chemicals Inc., Sewaren, N. J. Treatment of unsaturated alkyd resins with a monohydric alcohol. 2,418,633; Apr. 8.
Goyette, Francis H., assignor to Lodding Engineering Corporation, Worcester, Mass. Doctor mechanism for paper making rolls and cylinders. 2,418,706; Apr. 8.
Graflex, Inc., assignee: *See—*
Jacobson, Irving, and Smith.
Grant, Harry C., Jr., New York, N. Y., assignor to Specialties Development Corporation, Bloomfield, N. J. Fire-extinguishing unit. 2,418,468; Apr. 8.
Green, Thomas D., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Gaseous fluid-liquid spray nozzle for tempering glassware. 2,418,766; Apr. 8.
Greneker, Lillian L., New York, N. Y. Hollow article and making the same. 2,418,551; Apr. 8.
Griesinger, William K.: *See—*
McCormick, Darwin M., Barbour, and Griesinger.
Griffin, Cecil M., Pittsburgh, Pa. Fluid propelled articulated scraper for cleaning tubes. 2,418,509; Apr. 8.
Grogan, William B., Long Beach, Calif. Folding shaving brush. 2,418,510; Apr. 8.
Groot, Robert W., Fort Wayne, Ind., assignor to General Electric Company. Lubricant seal. 2,418,707; Apr. 8.
Gwynn, Bernard H., Oakmont, Pa., and E. F. Degering, West Lafayette, assignors to Purdue Research Foundation, La Fayette, Ind. 2-acetoxy-4-methyl-1,3-pentadiene. 2,418,708; Apr. 8.
Haelen, John C.: *See—*
Schubert, Alvin E., and Haelen.
Hagerbaumer, William A.: *See—*
Sinclair, Edward L., and Hagerbaumer.
Hagstrum, Homer D., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Tuner for multiresonator. 2,418,469; Apr. 8.
Hall, Preston M., Worcester, Mass. Electrode trimmer. 2,418,767; Apr. 8.
Hallerstrom, Harold C., Evanston, assignor to Hanna Engineering Works, Chicago, Ill. Speed control valve. 2,418,634; Apr. 8.
Halliss, Maurice M., Kew Gardens, N. Y. Self-adjusting man's garter. 2,418,768; Apr. 8.
Hamilton, J. Herbert, Auburn, Maine. Multiple hanger rack. 2,418,635; Apr. 8.
Hanna Engineering Works, assignee: *See—*
Hallerstrom, Harold C.
Harasty, Viktor, Whitestone, N. Y. Small boat construction. 2,418,636; Apr. 8.
Harasty, Viktor, Whitestone, N. Y. Starting and manual propelling system for life boats. 2,418,637; Apr. 8.
Harben's (Viscose Silk Manufacturers) Limited, assignee: *See—*
Goodwin, Leslie C., and Tinsley.
Harlow, Winton G., Upper Darby, Pa., assignor to General Electric Company. Latching mechanism for electric switches. 2,418,470; Apr. 8.
Harmon, Herbert H.: *See—*
Hutchison, Miller R., Jr., and Harmon.
Harris, Norman C.: *See—*
Whann, Jesse P., and Harris.
Harris, Sidney E.: *See—*
Christiansen, Walter G., and Harris.
Hartford-Empire Company, assignee: *See—*
Green, Thomas D.
Hartford National Bank and Trust Company, trustee, assignee: *See—*
Strutt, Maximiliaan J. O., and van der Ziel.
Harvel Research Corporation, assignee: *See—*
Harvey, Mortimer T.
Harvey, Mortimer T., South Orange, N. J., assignor to Harvel Research Corporation. Ethyl cellulose gels and preparing same. 2,418,583; Apr. 8.
Hasendahl, Walter, Los Angeles, Calif. Scouring chain. 2,418,552; Apr. 8.
Hawkinson, Paul E., assignor to Paul E. Hawkinson Company, Minneapolis, Minn. Tire retreading equipment. 2,418,584; Apr. 8.
Hawkinson, Paul E., Company, assignee: *See—*
Hawkinson, Paul E.
Hayes Manufacturing Corporation, assignee: *See—*
Nelson, Angie L.
Hayter, Bruce, assignor to Oil Devices, Santa Fe, N. Mex. Inverted pot type burner. 2,418,709; Apr. 8.
Heavens, E. M., assignee, et al.: *See—*
Huge, Henry M.
Hebard, Hugh C., Northwood, England. Fuze for bombs, projectiles, and the like. 2,418,769; Apr. 8.
Hendrickson, Raymond R., assignee, et al.: *See—*
Shipley, George C.
Hensel, Franz R., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Electric contact and brush. 2,418,710; Apr. 8.
Heron, William E., Detroit, Mich. Pipe cleaner. 2,418,711; Apr. 8.
Hewlett-Packard Company, assignee: *See—*
Bauer, L. Brunton.
Heymann, Seymour E., assignor to Stewart-Warner Corporation, Chicago, Ill. Altitude compensated internal-combustion air heater. 2,418,712; Apr. 8.
Holden, William H. T., Woodside, and E. R. Morton, Brooklyn, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Direct-current generator. 2,418,471; Apr. 8.
Holister, Arthur T. and F. O., Los Angeles, Calif. Grinding machine for coil springs. 2,418,770; Apr. 8.
Holister, Frank O.: *See—*
Holister, Arthur T. and F. O.
Holmes, Minot K., Muncie, Ind., and J. H. Plummer, Toledo, Ohio, assignors to Owens-Illinois Glass Company. Thermally toughened insulator. 2,418,713; Apr. 8.
Hood, Stanley R., Birmingham, Mich., assignor to Modern Metals and Materials, Chicago, Ill. Electrical resistor and making same. 2,418,804; Apr. 8.
Hoover, Daniel B., Meadville, Pa. Finger operated rotatable tool. 2,418,638; Apr. 8.
Horman, Alfred E., New York, N. Y. Arm for woodworking machines. 2,418,639; Apr. 8.
Hosterman, Harry L.: *See—*
Morse, John F., and Hosterman.
Huge, Henry M., Lorain, Ohio, assignor of one-half to C. P. Stocker and one-half to E. M. Heavens. Frequency changer. 2,418,640; Apr. 8.
Huge, Henry M., Lorain, Ohio, assignor of one-half to C. P. Stocker and one-half to E. M. Heavens. Frequency changer. 2,418,641; Apr. 8.
Huge, Henry M., Lorain, Ohio, assignor of one-half to C. P. Stocker and one-half to E. M. Heavens. Frequency reducer. 2,418,642; Apr. 8.
Huge, Henry M., Lorain, Ohio, assignor of one-half to C. P. Stocker and one-half to E. M. Heavens. Magnetic frequency changer. 2,418,643; Apr. 8.
Hume, William C., Willow Grove, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Steam electric iron. 2,418,511; Apr. 8.
Hutchison, Miller R., Jr., and H. H. Harmon, assignors to Eastman Kodak Company, Rochester, N. Y. Sliding shutter for cameras. 2,418,644; Apr. 8.
Hydraulic Development Corporation, The, assignee: *See—*
Waldie, George A.
Hynson, Westcott & Dunning, Incorporated, assignee: *See—*
Brewer, John H.
Ilg Electric Ventilating Company, assignee: *See—*
Cucci, Victor J.
Imperial Chemical Industries Limited, assignee: *See—*
Davies, William H., and Johnson.
Industrial Rayon Corporation, assignee: *See—*
McCormack, Alex A.
Interchemical Corporation, assignee: *See—*
Auer, Laszlo.
Opp, Carl.
International Business Machines Corporation, assignee: *See—*
Johnson, Reynold B.
Irwin, Emmett M., San Marino, Calif. Flux measuring system. 2,418,553; Apr. 8.
Irwin, John, Jr., New York, N. Y. Thread, yarn, filament, and the like. 2,418,771; Apr. 8.
Jackson, Ernest A., assignor to Kay & Lee Limited, Manchester, England. Supporting trousers and such like. 2,418,772; Apr. 8.
Jacobson, Irving, Hollywood, Calif., and H. E. Smith, assignors to Graflex, Inc., Rochester, N. Y. Photographic synchronising equipment. 2,418,714; Apr. 8.
Jaeger, Samuel W., San Francisco, Calif. Ink bottle. 2,418,585; Apr. 8.
Jakobsen, Jakob L., Minneapolis, Minn., assignor to General Mills, Inc. Dehydrated butter. 2,418,645; Apr. 8.
Janson, Leo P., Sharon Hill, Pa. Lubricant-coolant collar or ring. 2,418,646; Apr. 8.
Jenckes, Thomas A., assignee: *See—*
Boland, Edward R.
Jenkins, William, Los Angeles, Calif. Car door hanging truck. 2,418,586; Apr. 8.
Johnson, Alan W.: *See—*
Davies, William H., and Johnson.
Johnson, Herman E., Grand Haven, Mich., assignor to The Bastian Blessing Company, Chicago, Ill. Refrigerated soda fountain cabinet. 2,418,715; Apr. 8.
Johnson, Reynold B., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Artillery training apparatus and method. 2,418,512; Apr. 8.
Jolley, Jack, Los Angeles, Calif. Hose suspension. 2,418,513; Apr. 8.
Jones, Jean E.: *See—*
Allen, Charles F. H., and Jones.
Jordan, Richard H., Mansfield, Ohio, assignor to Dominion Electrical Manufacturing, Inc. Thermostatic switch. 2,418,647; Apr. 8.

Kadz, Harald D., Glendale, Calif., assignor to Kay-Brunner Steel Products, Inc. Carrying scraper. 2,418,554; Apr .8.

Kahanek, Henry J., Dallas, Tex. Fuse changer. 2,418,773; Apr. 8.

Katz, Sam, Key West, Fla. Stay-down shirt. 2,418,774; Apr. 8.

Kay-Brunner Steel Products, Inc., assignee: *See*—
  Kadz, Harald D.

Kay & Lee Limited, assignee: *See*—
  Jackson, Ernest A.

Kennedy, Richard O., New York, N. Y. Shirt collar 2,418,716; Apr. 8.

Kenner, I. D., assignee: *See*—
  Dodd, Paul R.

Kerst Donald W.: *See*—
  Neddermeyer, Seth H., and Kerst.

Kile, Clifford S., Hutchinson, Kans. Method and apparatus for producing artificial dentures. 2,418,648; Apr. 8.

Kirsten, Kurt F. J., Seattle, Wash. Multiplex bevel gearing. 2,418,555; Apr. 8.

Kittner, Harry, New York, N. Y. Weaving wide mesh fabric. 2,418,775; Apr. 8.

Kleimack, Joseph J.: *See*—
  Becker, Joseph A., Christensen, and Kleimack.

Kline, Halsey W., Schenectady, N. Y., assignor to General Electric Company. Microwave transmission system. 2,418,472; Apr. 8.

Kopplin, Frederick W., Hardin, Mont. Method and apparatus for centrifugally washing sugar, chemicals, etc. 2,418,776; Apr. 8.

Laird, Alton W., Adams, N. Y., assignor to The New York Air Brake Company. Sander. 2,418,587; Apr. 8.

Lamberson, Verne E., East Chicago, Ind. Card table. 2,418,514; Apr. 8.

Lambertsen, Christian J., and L. Godfrey, U. S. Army. Hood for oxygen therapy. 2,418,473; Apr. 8.

Le Clair, Camille C. S., Acton, London, England. Oil or other liquid filter or cleaner. 2,418,777; Apr. 8.

Leeds and Northrup Company, assignee: *See*—
  Yetter, Edward W.

Le Gros, Horatio, assignee: *See*—
  Severson, Iver W.

Lehman, Edward H., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber. 2,418,778; Apr. 8.

Le Tourneau, R. G., Inc., assignee: *See*—
  Le Tourneau, Robert F.

Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Self-propelled dump wagon. 2,418,588; Apr. 8.

Leverenz, Humboldt, Princeton, N. J., assignor to Radio Corporation of America. Alkali halide target with contrasting colors. 2,418,780; Apr. 8.

Leverenz, Humboldt W., South Orange, N. J., assignor to Radio Corporation of America. Alkali metal halide and luminescent screen of substantially coincident spectral absorption. 2,418,779; Apr. 8.

Levinson, Benjamin L., Great Neck, N. Y., assignor, by mesne assignments, to Solar Aircraft Company, San Diego, Calif. Pressure casting machine. 2,418,649; Apr. 8.

Lewis, George E., Detroit, Mich. Welding electrode. 2,418,781; Apr. 8.

Lewis, Robert P., assignor to C. T. Collins, Waco, Tex. Method and apparatus for measuring and manufacturing Venetian blinds. 2,418,515; Apr. 8.

Lidow, Eric, assignor to Selenium Corporation of America, Los Angeles, Calif. Amplifier. 2,418,516; Apr. 8.

Lifton, Samuel H., New York, N. Y. Combined brief and overnight case. 2,418,589; Apr. 8.

Linder, Lowell: *See*—
  Martin, Walter R., Linder, and Blythe.

Lindner, John F., Norval, Ontario, Canada. Apple paring and coring machine. 2,418,805; Apr. 8.

Lingel, Frederick J., assignor to R. L. Triplett, Bluffton, Ohio. Tester jack. 2,418,517; Apr. 8.

Linzell, Harry K., Long Lake, Ill., H. E. Simpson, Pittsburgh, Pa., and M. C. Dailey, Elmhurst, assignors to United States Gypsum Company, Chicago, Ill. Process of making anhydrous calcium sulfate. 2,418,590; Apr. 8.

Lockridge, William R., administrator: *See*—
  Loughridge, Matthew H.

Lodding Engineering Corporation, assignee: *See*—
  Goyette, Francis H.

Loewen, Walter A.: *See*—
  Peterson, Vincent C. J., and Loewen.

Loughridge, Matthew H., deceased, Bogota, N. J.; W. R. Lockridge administrator. Variable letter-spacing device for typewriters. 2,418,474; Apr. 8.

Loving, William, Pampa, Tex., assignor to Godfrey L. Cabot, Inc., Boston, Mass. Apparatus for the manufacture of carbon black. 2,418,475; Apr. 8.

MacDonald, Richard A., Oshkosh, Wis., assignor to Flexograph, Inc. Phonograph stylus mount. 2,418,591; Apr. 8.

Machado, John J., San Leandro, Calif. Receptacle attachment for children's vehicles. 2,418,717; Apr. 8.

Mackey, Frank C., Laurel, Md. Drying, preheating, burning, and cooling ceramicware. 2,418,650; Apr. 8.

Maginley, Clare J., Danbury, Conn. Educational appliance. 2,418,718; Apr. 8.

Magnetic Analysis Corporation, assignee: *See*—
  Zuschlag, Theodore.

Malenshein, John F., Parkville, Md., assignor to The Brown Instrument Company, Philadelphia, Pa. Liquid density measuring apparatus. 2,418,592; Apr. 8.

Mallory, P. R., & Co., Inc., assignee: *See*—
  Hensel, Frans R.

Mann, William, Grosse Pointe, Mich., assignor to The Budd Company, Philadelphia, Pa. Brake element. 2,418,719; Apr. 8.

Marco Chemicals Inc., assignee: *See*—
  Gould, Charles.

Mark, Jacob G., and D. Rubinstein, Brookline, assignors to Dewey and Almy Chemical Company, North Cambridge, Mass. Producing a free-flowing high solids aqueous dispersion of a butadiene-styrene copolymer. 2,418,782; Apr. 8.

Martin, Walter R., L. Linder, and H. J. Blythe, Long Beach, Calif., assignors, by mesne assignments, to said Martin. Crane weight and radius indicator. 2,418,593; Apr. 8.

Mattox, William J.: *See*—
  Benedict, Wayne L., and Mattox.

Mausshardt, Milton R., Piedmont, Calif. Optical device for indicating correct operating speed of phonograph turntables. 2,418,651; Apr. 8.

Maxwell, Kenneth E., Martinez, assignor to Shell Development Company, San Francisco, Calif. Insecticidal compositions. 2,418,652; Apr. 8.

McArthur, Elmer D., Schenectady, N. Y., assignor to General Electric Company. Ultra high frequency converter of the space-resonant type. 2,418,518; Apr. 8.

McBeth, Freeman M., Harrisburg, Pa. Blanching machine. 2,418,519; Apr. 8.

McChesney, Cuyler S., Kenmore, assignor to Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Tire element supply mechanism. 2,418,783; Apr. 8.

McCollum, Henry J. D.: *See*—
  Williams, Lynn A., Jr., and McCollum.

McCollum, Henry J. D., deceased; T. McCollum, executrix, assignor to Stewart-Warner Corporation, Chicago, Ill. Aircraft heater with air-driven fuel pump. 2,418,720; Apr. 8.

McCollum, Thelma, executrix: *See*—
  McCollum, Henry J. D.
  Williams, Lynn A., Jr., and McCollum.

McCormack, Alex A., Fairview, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Fluid supply and removal connection for thread-advancing reels. 2,418,653; Apr. 8.

McCormick, Darwin M., Springfield, C. B. Barbour, Yeadon, and W. K. Griesinger, Drexel Hill, Pa. Acid refining viscous hydrocarbon oil. 2,418,784; Apr. 8.

McDonnell, Harry E., Steubenville, Ohio. Metallurgical apparatus. 2,418,654; Apr. 8.

Metropolitan-Vickers Electrical Company Limited, assignee: *See*—
  Baumann, Karl.

Michelman, Joseph, Portsmouth, Ohio. Recovering values from vegetable tanned leather. 2,418,655; Apr. 8.

Miller, Edward G., and R. E. Engberg, assignors, by mesne assignments, to Allied Control Company, Inc., New York, N. Y. Switch. 2,418,556; Apr. 8.

Miller Wrapping and Sealing Machine Company, assignee: *See*—
  Arvidson, Bengt A.

Mills, George I., Springfield, Mo. Folding typewriter construction. 2,418,785; Apr. 8.

Miner, W. H., Inc., assignee: *See*—
  Lehman, Edward H.

Modern Metals and Materials, assignee: *See*—
  Hood, Stanley R.

Molins, Desmond W., and F. F. Ruau, London, assignors to Molins Machine Company Limited, Deptford, London, England. Gun recoil-operated ammunition feeding mechanism. 2,418,656; Apr. 8.

Molins Machine Company Limited, assignee: *See*—
  Molins, Desmond W., and Ruau.

Moloney, Raymond T., assignee: *See*—
  Nicolaus, Frank G.

Moritz, Adrian J. L., assignor to American Enka Corporation, Enka, N. C. Apparatus for covering rayon packages. 2,418,657; Apr. 8.

Morse, John F., Hudson, and H. L. Hosterman, Akron, Ohio; said Hosterman assignor to said Morse. Shutter and film-wind interlock. 2,418,594; Apr. 8.

Morton, Edmond R.: *See*—
  Holden, William H. T., and Morton.

Morton, Eldred O., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric range surface unit. 2,418,520; Apr. 8.

Morton, George A., and L. E. Flory, Princeton, N. J., assignors to Radio Corporation of America. Impulse measuring device. 2,418,521; Apr. 8.

Morton, Thomas H.: *See*—
  Cameron, Walter G., and Morton.

Muller, Bela, New York, N. Y. Distance caliper. 2,418,595; Apr. 8.

Muller, Bela, New York, N. Y. Circular cloth-cutter. 2,418,596; Apr. 8.

Myers, Ira O.: *See*—
  Prichard, Arthur C., and Myers.

Nadig, Francis H., Philadelphia, and J. L. Bohn, Glenside, Pa. Hydraulic interferometer. 2,418,786; Apr. 8.

Nagy, Daniel E., and B. C. Redmon, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Preparation of zinc dicyanimide. 2,418,476; Apr. 8.

National Dairy Products Corporation, assignee: *See*—
  Atwood, Francis C.

National Oil Products Company, assignee: *See*—
  Robinson, Edwin A., and Beach.

Neddermeyer, Seth H., Pasadena, Calif., and D. W. Kerst, Urbana, Ill., assignors to the Government of the United States, as represented by the Director of the Office of Scientific Research and Development, Office for Emergency Management. Method and apparatus for producing radiographs. 2,418,523; Apr. 8.

Needham, Houghton L., Chicago, Ill. Hand truck for transporting car wheels. 2,418,522; Apr. 8.

Neff, Carl, Louisville, Ohio. Ladder supported scaffold. 2,418,597; Apr. 8.

Nelson, Augie L., assignor to Hayes Manufacturing Corporation, Grand Rapids, Mich. Convertible seat structure. 2,418,787; Apr. 8.

Nethercutt, Jack B., Santa Monica, Calif. Combined cigarette package holder and match receptacle. 2,418,658; Apr. 8.

New Products Corporation, assignee: *See*—
  Banker, Oscar H.

New York Air Brake Company, The, assignee: *See*—
  Laird, Alton W.

Nicolaus, Frank G., assignor to R. T. Moloney, Chicago, Ill. Full stroke latch for remote control. 2,418,598; Apr. 8.

Nixon, Jeddy D., New Braunfels, Tex. Apparatus for lifting fluids. 2,418,788; Apr. 8.

Nordberg Manufacturing Company, assignee: *See*—
  Talboys, Henry H.

Northern Indiana Brass Company, assignee: *See*—
  Arbogast, Alfred C.

Northrup King & Co., assignee: *See*—
  Davies, Walter R.

Nyden, Robert, Manhasset, N. Y. Two-piece self-closing closure device. 2,418,659; Apr. 8.

Obergfell, Amanda, executrix: *See*—
  Voss, John H., and Obergfell.

Obergfell, Herbert F.: *See*—
  Voss, John H., and Obergfell.

Office of Scientific Research and Development, Office for Emergency Management, United States, as represented by the Director of the, assignee: *See*—
  Neddermeyer, Seth H., and Kerst.

Oil Devices, assignee: *See*—
  Hayter, Bruce.

Olin Industries, Inc., assignee: *See*—
  Burtle, Jerome G.

Olsson, Olov J. E., assignor to Storm Manufacturing Co., Inc., Minneapolis, Minn. Attachment device for cylinder boring machine. 2,418,789; Apr. 8.

Opp, Carl, Cincinnati, Ohio, assignor to Interchemical Corporation, New York, N. Y. Resinous reaction product of ethylene glycol, glycerol, and succinic anhydride. 2,418,721; Apr. 8.

Ortman, Frank W., assignor to Farrell-Cheek Steel Company, Sandusky, Ohio. Apparatus for molding helical screws. 2,418,599; Apr. 8.

O'Shaughnessy, Marion T., Jr., Bethesda, Md., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of regenerated cellulose structures. 2,418,660; Apr. 8.

Ostermann, Rudolf M., Kenilworth, Ill., assignor to The Superheater Company, New York, N. Y. Steam power plant. 2,418,477; Apr. 8.

Ostertag, Harry M., Drexel Hill, and F. O. Boylan, Norwood, assignors to Scott Paper Company, Chester, Pa. Method and machine for forming paper. 2,418,600; Apr. 8.

Ott, George A., Coronado, Calif., and B. A. Van Voorhis, U. S. Navy, Washington, D. C. Apparatus for recovering seaplanes from the water. 2,418,478; Apr. 8.

Owens-Illinois Glass Company, assignee: *See*—
  Bjering, Olav, and Belnap, Jr.
  Holmes, Minot K., and Plummer.

Page, Herbert E., Alhambra, Calif. Dry shaver. 2,418,722; Apr. 8.

Paine, Charles E., Woonsocket, R. I. Bottle closure. 2,418,723; Apr. 8.

Palm, Dwight M., Cleveland Heights, assignor to Towmotor Corporation, Cleveland, Ohio. Industrial truck. 2,418,661; Apr. 8.

Parker Rust Proof Company, assignee: *See*—
  Thompson, John S., and Tanner.

Peckham, Ralph P., Jr., Detroit, Mich. Cutting tool. 2,418,790; Apr. 8.

Perfection Stove Company, assignee: *See*—
  Chadwick, Lee S.

Peterson, Vincent C. J., Forty Fort, and W. A. Loewen, Wilkes-Barre, Pa., assignors to American Chain & Cable Company, Inc., Bridgeport, Conn. Braided sling. 2,418,524; Apr. 8.

Philco Corporation, assignee: *See*—
  Hume, William C.

Pines, Herman, and R. C. Wackher, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Isomerization of saturated hydrocarbons. 2,418,724; Apr. 8.

Pittman, Ralph R., Pine Bluff, Ark. Expulsion lightning arrester. 2,418,791; Apr. 8.

Plummer, Jesse H.: *See*—
  Holmes, Minot K., and Plummer.

Polaroid Corporation, assignee: *See*—
  Shepherd, Ridgley G., Jr., and West.

Pollak, Frederick F., Brooklyn, N. Y. Manufacture of water resistant uninflammable organic fibrous materials and product. 2,418,525; Apr. 8.

Pratt, Burt C., and P. L. Salzberg, Brandywine Hundred, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Orienting ferromagnetic flakes in paint films. 2,418,479; Apr. 8.

Prichard, Arthur C., Long Branch, and I. O. Myers, Neptune, N. J., assignors to the Government of the United States of America, as represented by the Secretary of War. Asymmetrically conducting network. 2,418,480; Apr. 8.

Puett Electrical Starting Gate Corporation, assignee: *See*—
  Whann, Jesse P., and Harris.

Pullen, Fred W., assignor to Bissell Carpet Sweeper Company, Grand Rapids, Mich. Spring brush control for carpet sweepers. 2,418,725; Apr. 8.

Purdue Research Foundation, assignee: *See*—
  Gwynn, Bernard H., and Degering.

Radio Corporation of America, assignee: *See*—
  Bliss, Warren H., and Smith.
  Collins, Milford E.
  Dimmick, Glenn L.
  Leverenz, Humboldt W.
  Morton, George A., and Flory.
  Zimmerman, Arthur G.

Ramsey, Harry R., St. Louis, Mo. Hair treating cream. 2,418,664; Apr. 8.

Redmon, Bryan C.: *See*—
  Nagy, Daniel E., and Redmon.

Reeves, James B., Whitefish Bay, and E. W. Seeger, Wauwatosa, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Group control of plural alternating current motors. 2,418,806; Apr. 8.

Reiser, Alfred A., assignor, by mesne assignments, to Titan Manufacturing Co., Inc., Buffalo, N. Y. Electrical contact heater. 2,418,557; Apr. 8.

Reitman, Morris R., Chicago, Ill. Dispensing package. 2,418,526; Apr. 8.

Riblet, Royal N., Spokane, Wash. Wheel. 2,418,481; Apr. 8.

Richards, Dwight, assignor to The Buda Company, Harvey, Ill. Earth drill. 2,418,601; Apr. 8.

Richards, Oscar W., Snyder, N. Y., assignor, by mesne assignments, to American Optical Company, Southbridge, Mass. Variable field microscope. 2,418,602; Apr. 8.

Riff, Frank J.: *See*—
  Agnew, Albert B., and Riff.

Riggan, William H., Warrenton, N. C. Artificial lure. 2,418,527; Apr. 8.

Riggs, Harold C., Langhorne Manor, Pa., assignor to The Electric Storage Battery Company. Storage battery electric heater. 2,418,792; Apr. 8.

Rizzuto, Charles, Brooklyn, N. Y. Baby carriage. 2,418,665; Apr. 8.

Robinsohn, Jacob, New York, N. Y. Slide fastener. 2,418,482; Apr. 8.

Robinson, Edwin A., Chatham, and R. M. Beach, Newark, assignors to National Oil Products Company, Harrison, N. J. Chromium complex compounds. 2,418,528; Apr. 8.

Rockwell, Edward A., West Hartford, Conn. Power unit system for applying brakes. 2,418,666; Apr. 8.

Rockwell, Edward A., Cleveland, Ohio, assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Packaged power accumulator. 2,418,667; Apr. 8.

Rockwood Sprinkler Company of Massachusetts, assignee: *See*—
  Freeman, Howard G.

Rogers, Robert S., Jr., Cheraw, S. C. Log handling apparatus. 2,418,726; Apr. 8.

Rosenston, David, Chicago, and C. W. Yant, Westchester, assignors to Crane Co., Chicago, Ill. Indicator. 2,418,727; Apr. 8.

Royce, Harvey D., assignor to The Southern Cotton Oil Company, Savannah, Ga. Improvement in winter vegetable oils. 2,418,668; Apr. 8.

Ruau, Félix F.: *See*—
  Molins, Desmond W., and Ruau.

Rubinstein, David: *See*—
  Mark, Jacob G., and Rubinstein.

Rudolph Wurlitzer Company, The, assignee: *See*—
  Sperry, Ralph W. E.

Runcie, Walter O., Lima, Peru. Combined air pump and sewing machine. 2,418,483; Apr. 8.

Salzberg, Paul L.: *See*—
  Pratt, Burt C., and Salzberg.

Samuel, Arthur L., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Frequency multiplying system. 2,418,484; Apr. 8.

Sanders, Odell, Kermit, Tex. Drill pipe retriever for well derricks. 2,418,728; Apr. 8.

Schemers, William J., Detroit, Mich. Auxiliary terminal for sealed-in motor compressor units. 2,418,729; Apr. 8.

Schering Corporation, assignee: *See*—
Schwenk, Erwin, Bloch, and Whitman.

Schilling, Richard H.: *See*—
Callaghan, Robert W., and Schilling.

Schilling, Richard H., Minneapolis, Minn., assignor to General Mills, Inc. Wheat starch process. 2,418,669; Apr. 8.

Schloessinger, William, and A. M. Zenzes, New York, N. Y. Simulated glace fruit and making same. 2,418,558; Apr. 8.

Schubert, Alvin E., and J. C. Haelen, assignors to Eastman Kodak Company, Rochester, N. Y. Copyholder. 2,418,670; Apr. 8.

Schule, Georges C., Buenos Aires, Argentina. Device for supplying air to vehicle tires. 2,418,730; Apr. 8.

Schweller, Sylvester M., assignor to General Motors Corporation, Dayton, Ohio. Restrictor device for refrigerating apparatus. 2,418,671; Apr. 8.

Schwenk, Erwin, Montclair, N. J., and E. Bloch and B. Whitman, New York, N. Y., assignors to Schering Corporation, Bloomfield, N. J. Preparing estradiol from equilin and intermediates obtained thereby. 2,418,603; Apr. 8.

Scinta, Anthony C., assignor to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 2,418,559; Apr. 8.

Scott Paper Company, assignee: *See*—
Ostertag, Harry M., and Boylan.

Seeger, Edwin W.: *See*—
Reeves, James B., and Seeger.

Seitz, John H., Astoria, Long Island, N. Y. Knockdown baby chair. 2,418,731; Apr. 8.

Selden, Irving H., Tacoma, Wash. Rotary abutment internal combustion engine with independently rotating valve in the abutment. 2,418,793; Apr. 8.

Selenium Corporation of America, assignee: *See*—
Lidow, Eric.

Severson, Iver W., Chalmette, assignor of one-half to H. Le Gros, New Orleans, La. Automatic can filling apparatus. 2,418,794; Apr. 8.

Sheepshanks, Richard H.: *See*—
Ballamy, Leslie M., and Sheepshanks.

Shell Development Company, assignee: *See*—
Maxwell, Kenneth E.

Shepard, Frank B., Texon, Tex. Filtering apparatus. 2,418,604; Apr. 8.

Shepherd, Ridgley G., Jr., Needham Heights, and C. D. West, assignors to Polaroid Corporation, Cambridge, Mass. Filter transparent to infrared radiation and opaque to visible light. 2,418,605; Apr. 8.

Shipley, George C., assignor of twelve and one-half per cent to A. M. Gerdes, Galveston, and twelve and one-half per cent to R. R. Hendrickson, Galveston County, Tex. Gum massager. 2,418,485; Apr. 8.

Sikorra, Daniel J., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Motor control system. 2,418,560; Apr. 8.

Simpson, Harold E.: *See*—
Linzell, Harry K., and Simpson, and Dailey.

Sinclair-Collins Company, The, assignee: *See*—
Collins, John E.

Sinclair, Edward L., Philadelphia, and W. A. Hagerbaumer, Brookline, Pa., assignors to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for hydrocarbon conversion. 2,418,672; Apr. 8.

Sinclair, Edward L., Philadelphia, and W. A. Hagerbaumer, Brookline, Pa., assignors to Socony-Vacuum Oil Company, Incorporated. Catalytic conversion of hydrocarbons. 2,418,673; Apr. 8.

Sinclair Refining Company, assignee: *See*—
Teter, John W.

Singy, Ernest, Geneva, Switzerland, assignor to Ygnis S. A. Grate with water cooled bars. 2,418,732; Apr. 8.

Skolnik, Max, Chicago, Ill. Hardenable plastic composition. 2,418,795; Apr. 8.

Smith, Harold E.: *See*—
Jacobson, Irving, and Smith.

Smith, J. Ernest: *See*—
Bliss, Warren H., and Smith.

Smith, Ralph N., Los Angeles, Calif. Invalid lift and transfer device. 2,418,606; Apr. 8.

Smylie, James G., Houston, Tex. Gun perforator. 2,418,486; Apr. 8.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Sinclair, Edward L., and Hagerbaumer.
Utterback, Ernest.

Solar Aircraft Company, assignee: *See*—
Arnhym, Albert A.
Levinson, Benjamin L.

Souden, Alexander G.: *See*—
Ellis, William C., and Souden.

Southern Cotton Oil Company, The, assignee: *See*—
Royce, Harvey D.

Specialties Development Corporation, assignee: *See*—
Grant, Harry C., Jr.

Sperry, Ralph W. E., De Kalb, assignor to The Rudolph Wurlitzer Company, Chicago, Ill. Piano action. 2,418,733; Apr. 8.

Sproul, Philip T., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cathode ray magnetic focusing device. 2,418,487; Apr. 8.

Squibb, E. R., & Sons, assignee: *See*—
Christiansen, Walter G., and Harris.

Stallcup, Lester B., Phoenix, Ariz. Arm rest. 2,418,561; Apr. 8.

Standard Mfg. Co., assignee: *See*—
Batcheller, Hugh W.

Standard Oil Company, assignee: *See*—
Voorhees, Vanderveer.

Steffes, Milton J., Dearborn, Mich., assignor to Super Tool Company. Tool holder. 2,418,734; Apr. 8.

Steiner, Edward C., Oklahoma City, Okla., assignor to Wright Aeronautical Corporation. Valve stem construction. 2,418,674; Apr. 8.

Stern, Albert, Chicago, Ill. Embrittled silver solder bonded abrasive. 2,418,529; Apr. 8.

Stewart-Warner Corporation, assignee: *See*—
Heymann, Seymour E.
McCollum, Henry J. D.
Williams, Lynn A., Jr., and McCollum.

Stocker, Closman P., assignee, et al.: *See*—
Huge, Henry M.

Storm Manufacturing Co., Inc., assignee: *See*—
Olson, Olov J. E.

Strickland, Harold A., Jr., Detroit, Mich., assignor, by mesne assignments, to The Budd Company, Philadelphia, Pa. Inductive heating unit comprising coaxially arranged conductors. 2,418,675; Apr. 8.

Strutt, Maximilian J. O., and A. van der Ziel, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Oscillation generator including a cathode-ray tube. 2,418,735; Apr. 8.

Stubnitz-Greene Spring Corporation, assignee: *See*—
Caughey, John M.

Stumpf, James C., assignee: *See*—
Stumpf, Tedi.

Stumpf, Tedi, now by judicial change of name T. B. Craig, assignor of one-half to J. C. Stumpf, now by judicial change of name J. Craig, Los Angeles, Calif. Garment. 2,418,582; Apr. 8.

Styes, Fred J., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Dimpling machine. 2,418,736; Apr. 8.

Submarine Signal Company, assignee: *See*—
Turner, Edwin E., Jr.

Sumner, Thomas, Salt Lake City, Utah. Towelling fabric. 2,418,676; Apr. 8.

Super Tool Company, assignee: *See*—
Steffes, Milton J.

Superheater Company, The, assignee: *See*—
Ostermann, Rudolf M.

Suydam, Joseph W., Blue Point, N. Y. Electric motor. 2,418,607; Apr. 8.

Szerenyi, Andrew, Toronto, Ontario, Canada. Drafting pen. 2,418,796; Apr. 8.

Talboys, Henry H., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Foundry cutoff machine. 2,418,737; Apr. 8.

Talboys, Henry H., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Foundry cutoff machine. 2,418,738; Apr. 8.

Tanner, Robert R.: *See*—
Thompson, John S., and Tanner.

Testi, Nicholas, assignor to Gillette Safety Razor Company, Boston, Mass. Razor blade dispensing container. 2,418,677; Apr. 8.

Teter, John W., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Production of nitriles from propylene and ammonia. 2,418,562; Apr. 8.

Texas Company, The, assignee: *See*—
Watson, Claude W.

Texas Research Corporation, assignee: *See*—
Bartlett, Luis H.
Bartlett, Luis H., Woolrich, and Brown.

Tharp, Homer R., San Antonio, Tex. Ice-cube tray. 2,418,530; Apr. 8.

Thompson, Albert S., Swarthmore, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Power-plant apparatus. 2,418,488; Apr. 8.

Thompson, John S., and R. R. Tanner, assignors to Parker Rust Proof Company, Detroit, Mich. Corrosion-resistant metallic article and making the same. 2,418,608; Apr. 8.

Thumin, Carl, Yeadon, and A. C. Boisseau, Lansdowne, Pa., assignors to General Electric Company. Circuit breaker operating system. 2,418,739; Apr. 8.

Tillyer, Edgar D., assignor to American Optical Company, Southbridge, Mass. Glass annealing. 2,418,489; Apr. 8.

Tinsley, Charles: *See*—
Goodwin, Leslie C., and Tinsley.

Titan Manufacturing Co., Inc., assignee: *See*—
Reiser, Alfred A.

Tognola, Tullio, Sidney, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Ignition coil. 2,418,531; Apr. 8.

Towmotor Corporation, assignee: *See*—
Palm, Dwight M.

Traver, William A., Barrington, assignor to Franklin Process Company, Providence, R. I. Device for holding packages of yarn or the like in dyeing or similar processes. 2,418,740; Apr. 8.

Trico Products Corporation, assignee: *See*—
Scinta, Anthony C.

Triplett, Ray L., assignee: *See*—
Lingel, Frederick J.

True, Glenn C., assignee: *See*—
Geiger, David F.

Turner, Edwin E., Jr., West Roxbury, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Distance and direction measuring system. 2,418,490; Apr. 8.

Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Double unit electric weft detector for looms. 2,418,678; Apr. 8.

Underwood Corporation, assignee: *See*—
Conard, Frederick U.

United Gas Pipe Line Company, assignee: *See*—
Fulton, William F.

United States Gypsum Company, assignee: *See*—
Linzell, Harry K., Simpson, and Dailey.

Universal Oil Products Company, assignee: *See*—
Benedict, Wayne L., and Mattox.
Pines, Herman, and Wackher.

Utterback, Ernest, Upper Darby, Pa., assignor to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for hydrocarbon conversion. 2,418,679; Aug. 8.

Van der Ziel, Aldert: *See*—
Strutt, Maximiliaan J. O., and van der Ziel.

Van Voorhis, Bruce A.: *See*—
Ott, George A., and Van Voorhis.

Vanity Fair Mills, Inc., assignee: *See*—
Amidon, Roy C.

Vibert, Charles M., Oak Park, Ill. Shingle construction. 2,418,563; Apr. 8.

Voorhees, Vanderveer, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Continuous polymerizing olefins. 2,418,797; Apr. 8.

Voss, John H., Downers Grove, and H. F. Obergfell, deceased, River Forest, by A. Obergfell, River Forest, executrix, assignors to Automatic Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,418,609; Aug. 8.

Wachter, Lester W.: *See*—
Anthony, William C., and Wachter.

Wachtman, George S., Harrisburg, Pa. Piezo crystal unit assembly. 2,418,491; Apr. 8.

Wackher, Richard C.: *See*—
Pines, Herman, and Wackher.

Waldie, George A., Edison, Ohio, assignor to The Hydraulic Development Corporation, Inc., Wilmington, Del. Remote control. 2,418,532; Apr. 8.

Walker, George L., Jersey City, N. J., assignor to Air Reduction Company, Incorporated. Gas torch. 2,418,533; Apr. 8.

Wallace, Frank C., North Hollywood, Calif. Switch. 2,418,564; Apr. 8.

War, United States of America, as represented by the Secretary of, assignee: *See*—
Coleman, Joseph E.
Prichard, Arthur C., and Myers.

Warner Electric Brake Manufacturing Company, assignee: *See*—
Born, Frank G.

Watson, Claude W., Scarsdale, assignor to The Texas Company, New York, N. Y. Hydrocarbon conversion process. 2,418,534; Apr. 8.

Webb, Arden E., Heflin, Ala. Tractor track guard. 2,418,610; Apr. 8.

Webb, Charles E., New London, Wis., assignor to Edison Wood Products, Incorporated, West Orange, N. J. Crib, 2,418,680; Apr. 8.

Wells, Martin, Los Angeles, Calif. Electrode holder. 2,418,681; Apr. 8.

West, Cutler D.: *See*—
Shepherd, Ridgley G., Jr., and West.

Westinghouse Electric Corporation, assignee: *See*—
Morton, Eldred O.
Thompson, Albert S.

Whann, Jesse P., and N. C. Harris, Los Angeles, assignors to Puett Electrical Starting Gate Corporation, Beverly Hills, Calif. Race starting gate. 2,418,807; Apr. 8.

Whitman, Bradley: *See*—
Schwenk, Erwin, Bloch, and Whitman.

Whitmer, Arnold, Buffalo, assignor to A. G. Evans, Springville, N. Y. Inflatable crash landing device for airplanes. 2,418,798; Apr. 8.

Wild, Glenn D., assignor of one-half to M. Cisas, Cleveland, Ohio. Machine for finishing metal parts. 2,418,535; Apr. 8.

Willard, Cora B., executrix: *See*—
Willard, Waldo W.

Willard, Waldo W., deceased, by C. B. Willard, executrix, Schenectady, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Mechanism for indicating azimuthal movement of a periscope. 2,418,799; Apr. 8.

Williams, Judson, Philadelphia, Pa. Exhaust port assembly. 2,418,741; Apr. 8.

Williams, Lynn A., Jr., Northfield, and H. J. D. McCollum; said Williams assignor to Stewart-Warner Corporation; T. McCollum, executrix of said H. J. D. McCollum, assignor to Stewart-Warner Corporation, Chicago, Ill. Propeller deicer. 2,418,682; Apr. 8.

Wilson, Broadus, Raleigh, N. C. Closed chamber drier including vertically spaced, horizontal roller conveyors and means for positively circulating drying gases upwardly through the conveyors and about the material supported on the conveyors. 2,418,683; Apr. 8.

Wilson, William A., Greensburg, assignor to Elliott Company, Jeannette, Pa. Flexible joint for conduits. 2,418,800; Apr. 8.

Wohler, Stanley A., Lansdale, assignor to The Budd Company, Philadelphia, Pa. Sheave-cable connection. 2,418,565; Apr. 8.

Wood, Fremont E., Gabbs Valley, Nev. Automatic oil pressure safety switch. 2,418,536; Apr. 8.

Wood, Morris B., Newbury, Mass. Electric circuit breaker. 2,418,537; Apr. 8.

Woodward Governor Company, assignee: *See*—
Drake, George F.

Woolrich, Willis R.: *See*—
Bartlett, Luis H., Woolrich, and Brown.

Wright Aeronautical Corporation, assignee: *See*—
Steiner, Edward C.

Yant, Chester W.: *See*—
Rosenston, David, and Yant.

Yetter, Edward W., assignor to Leeds and Northrup Company, Philadelphia, Pa. Measurement of distance by frequency-modulated carrier wave. 2,418,538; Apr. 8.

Ygnis, S. A., assignee: *See*—
Singy, Ernest.

Youel, John M., Baton Rouge, La., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Selenium ruby glass. 2,418,684; Apr. 8.

Young, Charles A., Springfield, Ohio. Ejector and cocking mechanism for firearms. 2,418,611; Apr. 8.

Zalkind, Philip, New York, N. Y. Laminated sheet. 2,418,612; Apr. 8.

Zar, Jacob L., Orange, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Telemeter. 2,418,685; Apr. 8.

Zenzes, Alexander M.: *See*—
Schloessinger, William, and Zenzes.

Zimmerman, Arthur G., Indianapolis, Ind., assignor to Radio Corporation of America. Pad roller assembly. 2,418,545; Apr. 8.

Zuschlag, Theodore, West Englewood, N. J., assignor to Magnetic Analysis Corporation, Long Island City, N. Y. Testing of magnetic materials. 2,418,686; Apr. 8.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 8TH DAY OF APRIL, 1947

Note.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

- Electric selection controlling circuit. G. Deakin and H. F. Herbig. Re. 22,861; Apr. 8.
- Food product, Making a. D. B. Vincent. Re. 22,865; Apr. 8.
- Internal combustion engine. M. Mallory. Re. 22,863; Apr. 8.
- Signal system, Watchman's. E. A. Schachinger. Re. 22,864; Apr. 8.
- Sock drier. H. G. Kerbawy. Re. 22,862; Apr. 8.

LIST OF DESIGN INVENTIONS

- Brooch. A. Aquilino. 146,552–3; Apr. 8.
- Brooch. F. J. Gargano. 146,563–5; Apr. 8.
- Brooch or similar article. A. Katz. 146,575–6; Apr. 8.
- Cabinet, Display. Y. L. Nehrenz. 146,581; Apr. 8.
- Card, Post. S. N. Hassan. 146,568; Apr. 8.
- Case, Refrigerated display. R. E. Davis. 146,558; Apr. 8.
- Casing, Suction cleaner. C. Karstadt. 146,574; Apr. 8.
- Casing, Tank type suction cleaner. C. Karstadt. 146,573; Apr. 8.
- Dispenser, Food. W. H. Adams. 146,551; Apr. 8.
- Game device. T. Kirik. 146,578; Apr. 8.
- Jacket, Leather. J. Greenberg and B. Fortgang. 146,567; Apr. 8.
- Lace. D. Edelstein. 146,561; Apr. 8.
- Necklace. A. Philippe. 146,584; Apr. 8.
- Phonograph pickup arm. K. Emde and G. B. Vernier. 146,562; Apr. 8.
- Plate or similar article. W. O. Prouty. 146,585; Apr. 8.
- Plate or similar article. R. V. Shanklin, Jr. 146,589; Apr. 8.
- Playground apparatus. P. A. Cosme. 146,557; Apr. 8.
- Rosary of the stations of the cross. J. C. Kelley. 146,577; Apr. 8.
- Signal, Chime. N. Abramson. 146,550; Apr. 8.
- Stand or the like, Electric lamp. J. F. Chamness. 146,555–6; Apr. 8.
- Store front. F. Butterworth. 146,554; Apr. 8.
- Tablecloth, Lace. H. Hooven. 146,569–71; Apr. 8.
- Tablecloth, Lace. F. P. Otto. 146,582–3; Apr. 8.
- Tablecloth or similar article. R. H. Hubner. 146,572; Apr. 8.
- Tablecloth or similar article. R. Laessig. 146,579; Apr. 8.
- Tablecloth or similar article. L. G. Rohner. 146,586–8; Apr. 8.
- Toy airplane. J. J. Miller. 146,580; Apr. 8.
- Truck, Highway straddle. H. N. Dimick. 146,560; Apr. 8.
- Truck, Straddle. H. N. Dimick. 146,559; Apr. 8.
- Vase. J. Gmeindl. 146,566; Apr. 8.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 8TH DAY OF APRIL, 1947

Note.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

- Abrasive, Embrittled silver solder bonded. A. Stern. 2,418,529; Apr. 8.
- Acid esters, Isomerized fatty. L. Auer. 2,418,454; Apr. 8.
- Aircraft, Beating wing. A. Baumann. 2,418,569; Apr. 8.
- Aircraft, Method and apparatus for launching. R. C. du Pont. 2,418,702; Apr. 8.
- Alkali halide target with contrasting colors. H. Leverenz. 2,418,780; Apr. 8.
- Alkali metal halide and luminescent screen of substantially coincident spectral absorption. H. W. Leverenz. 2,418,779; Apr. 8.
- Alkoxy benzoates of N (hydroxy ethyl) and n-(hydroxy phenethyl) substituted amino alcohols. W. G. Christiansen and S. E. Harris. 2,418,501; Apr. 8.
- Altitude compensated internal-combustion air heater. S. E. Heymann. 2,418,712; Apr. 8.
- Alumina solid solution. H. N. Baumann, Jr., and R. C. Benner. 2,418,496; Apr. 8.
- Ammunition feeding mechanism, Gun recoil-operated. D. W. Molins and F. F. Ruau. 2,418,656; Apr. 8.
- Amplifier. E. Lidow. 2,418,516; Apr. 8.
- Anhydrous calcium sulfate, Making. H. K. Linzell, H. E. Simpson, and M. C. Dailey. 2,418,590; Apr. 8.
- Apparatus for covering rayon packages. A. J. L. Moritz. 2,418,657; Apr. 8.
- Apparatus for lifting fluids. J. D. Nixon. 2,418,788; Apr. 8.
- Apparatus for molding helical screws. F. W. Ortman. 2,418,599; Apr. 8.
- Apparatus for recovering seaplanes from the water. G. A. Ott and B. A. Van Voorhis. 2,418,478; Apr. 8.
- Apparatus for sampling formation fluids. L. S. Chambers. 2,418,500; Apr. 8.
- Apparatus for the manufacture of carbon black. W. Loving. 2,418,475; Apr. 8.
- Appliance, Educational. C. J. Maginley. 2,418,718; Apr. 8.
- Aqueous dispersion of a butadiene-styrene copolymer, Producing a free-flowing high solids. J. G. Mark and D. Rubinstein. 2,418,782; Apr. 8.
- Arm for woodworking machines. A. E. Horman. 2,418,639; Apr. 8.
- Arm rest. L. B. Stallcup. 2,418,561; Apr. 8.
- Ash tray. Vehicle mounted. F. R. Berry, Jr. 2,418,749; Apr. 8.
- Attachment device for cylinder boring machine. O. J. E. Olsson. 2,418,789; Apr. 8.
- Automatic oil pressure safety switch. F. E. Wood. 2,418,536; Apr. 8.
- Axle attachment for detacting hot boxes. H. W. Cranwell. 2,418,579; Apr. 8.
- Azo dyes for color photography. J. J. Chechak and B. H. Carroll. 2,418,624; Apr. 8.
- Ball bearing roller bobsled type vehicle. M. Ferrara. 2,418,703; Apr. 8.
- Blanching machine. F. M. McBeth. 2,418,519; Apr. 8.
- Blinds, Method and apparatus for measuring and manufacturing Venetian. R. P. Lewis. 2,418,515; Apr. 8.
- Boat construction, Small. V. Harasty. 2,418,636; Apr. 8.
- Bottle closure. M. Febbraro. 2,418,630; Apr. 8.
- Bottle closure. C. E. Paine. 2,418,723; Apr. 8.
- Bottle, Ink. S. W. Jaeger. 241,585; Apr. 8.
- Boxes, Drive of rayon spinning. L. C. Goodwin and C. Tinsley. 2,418,705; Apr. 8.
- Brake. R. A. Goepfrich. 2,418,632; Apr. 8.
- Brake element. W. Mann. 2,418,719; Apr. 8.
- Brush control for carpet sweepers, Spring. F. W. Pullen. 2,418,725; Apr. 8.
- Brush, Folding shaving. W. B. Grogan. 2,418,510; Apr. 8.
- Burner: *See—*
  - Inverted pot type burner.
- Butter, Dehydrated. J. L. Jakobsen. 2,418,645; Apr. 8.
- Cabinet: *See—*
  - Refrigerated soda fountain cabinet.
- Calculator. H. Etherington. 2,418,803; Apr. 8.
- Caliper, Distance. B. Muller. 2,418,595; Apr. 8.
- Cam structure. J. E. Collins. 2,418,757; Apr. 8.
- Can filling apparatus, Automatic. I. Severson. 2,418,794; Apr. 8.
- Cap frame. M. J. Ford. 2,418,764; Apr. 8.
- Card table. V. E. Lamberson. 2,418,514; Apr. 8.
- Carriage, Baby. C. Rizzuto. 2,418,665; Apr. 8.
- Case: *See—*
  - Combined brief and overnight case.
- Casting machine, Pressure. B. L. Levinson. 2,418,649; Apr. 8.
- Cathode ray magnetic focusing device. P. T. Sproul. 2,418,487; Apr. 8.
- Cellulose structure, Manufacture of regenerated. M. T. O'Shaughnessy, Jr. 2,418,660; Apr. 8.
- Ceramicware, Drying, preheating, burning, and cooling. F. C. Mackey. 2,418,650; Apr. 8.
- Chain: *See—*
  - Scouring chain.
- Chair: *See—*
  - Knockdown baby chair.
- Chlorinating apparatus. P. R. Dodd. 2,418,628; Apr. 8.
- Chromium complex compounds. E. A. Robinson and R. M. Beach. 2,418,528; Apr. 8.
- Circuit: *See—*
  - Electric selection controlling circuit.
- Circuit breaker, Electric. M. B. Wood. 2,418,537; Apr. 8.
- Circuit breaker operating system. C. Thumim and A. C. Boisseau. 2,418,739; Apr. 8.
- Circuit interrupter, Electric. R. M. Bennett. 2,418,690; Apr. 8.
- Circular cloth-cutter. B. Muller. 2,418,596; Apr. 8.
- Clasp for plastic cases. W. B. Crane. 2,418,578; Apr. 8.
- Cleaner: *See—*
  - Lint cotton cleaner.
  - Pipe cleaner.
  - Windshield cleaner.
- Closure device, Two-piece self-closing. R. Nyden. 2,418,659; Apr. 8.
- Clutch: *See—*
  - Friction clutch.
- Coating material emulsions, Making. L. Auer. 2,418,452–3; Apr. 8.
- Coil, Ignition. T. Tognola. 2,418,531; Apr. 8.
- Collar or ring, Lubricant-coolant. L. P. Janson. 2,418,646; Apr. 8.
- Collar, Shirt. R. O. Kennedy. 2,418,716; Apr. 8.
- Combined brief and overnight case. S. H. Lifton. 2,418,589; Apr. 8.
- Connection for thread-advancing reels, Fluid supply and removal. A. A. McCormack. 2,418,653; Apr. 8.
- Contact and brush, Electrical. F. R. Hensel. 2,418,710; Apr. 8.
- Container: *See—*
  - Razor blade dispensing container.
- Container and scraping device therefor. R. O. Ferguson. 2,418,502; Apr. 8.
- Control for aircraft heaters, Fuel-air mixture. A. A. Arnhym. 2,418,566; Apr. 8.
- Converter of the space-resonant type, Ultrahigh frequency. E. D. McArthur. 2,418,518; Apr. 8.
- Copyholder. A. E. Schubert and J. C. Haelen. 2,418,670; Apr. 8.
- Coupler, Nondiffusing phenolic color. A. Bavley. 2,418,747; Apr. 8.
- Couplers, Heterocyclic color. A. Bavley. 2,418,748; Apr. 8.
- Crane weight and radius indicator. W. R. Martin, L. Linder and H. J. Blythe. 2,418,593; Apr. 8.
- Crash marker. J. De Rugeris. 2,418,549; Apr. 8.
- Cream, Hair treating. H. R. Ramsey. 2,418,664; Apr. 8.
- Crib. C. E. Webb. 2,418,680; Apr. 8.
- Crystal analysis apparatus. J. E. Coleman. 2,418,463; Apr. 8.
- Cutoff machine, Foundry. H. H. Talboys. 2,418,737–8; Apr. 8.
- Cutter: *See—*
  - Circular cloth cutter.
- Cutting tool. R. P. Peckham, Jr. 2,418,790; Apr. 8.
- Deicer, Propeller. L. A. Williams, Jr., and H. J. De N. McCollum. 2,418,682; Apr. 8.
- Dentures, Method and apparatus for producing artificial. C. S. Kile. 2,418,648; Apr. 8.
- Detector for looms, Double electric weft. R. G. Turner. 2,418,678; Apr. 8.
- Device for holding packages of yarn or the like in dyeing or similar processes. W. A. Traver. 2,418,740; Apr. 8.
- Device for supplying air to vehicle tires. G. C. Schule. 2,418,730; Apr. 8.
- Device for typewriters, Variable letter-spacing. M. H. Loughridge. 2,418,474; Apr. 8.
- Diazo material, Stable. J. J. Chechak. 2,418,623; Apr. 8.
- Dimpling machine. F. J. Styes. 2,418,736; Apr. 8.

Direct-current generator. W. H. T. Holden and E. R. Morton. 2,418,471; Apr. 8.
Distributor. J. R. Frei. 2, 418,504; Apr. 8.
Doctor mechanism for papermaking rolls and cylinders. F. H. Goyette. 2,418,706; Apr. 8.
Drier: *See*—
  Sock drier.
Drier including vertically spaced, horizontal roller conveyors and means for positively circulating drying gases upwardly through the conveyors and about the material supported on the conveyors, Closed chamber. B. Wilson. 2,418,683; Apr. 8.
Drift meter. S. Doba, Jr. 2,418,465; Apr. 8.
Drill: *See*—
  Earth drill.
Drive for a magnetic recording medium, Reversible. M. Camras. 2,418,541; Apr. 8.
Dryer: *See*—
  Sock dryer.
Drum handling device. W. R. Fox. 2,418,503; Apr. 8.
Earth drill. D. Richards. 2,418,601; Apr. 8.
Educational device. W. C. Christy. 2,418,756; Apr. 8.
Ejector and cocking mechanism for firearms. C. A. Young. 2,418,611; Apr. 8.
Electric motor. J. W. Suydam. 2,418,607; Apr. 8.
Electrical contact heater. A. A. Reiser. 2,418,557; Apr. 8.
Electrical coupling plug. F. G. Born. 2,418,457; Apr. 8.
Electrode holder. M. Wells. 2,418,681; Apr. 8.
Electrode, Welding. G. E. Lewis. 2,418,781; Apr. 8.
Electron multiplier. M. Cawein. 2,418,574; Apr. 8.
Engine: *See*—
  Internal combustion engine.
Estradiol from equilin and intermediates obtained thereby, Preparing. E. Schwenk, E. Bloch, and B. Whitman. 2,418,603; Apr. 8.
Ethyl cellulose gels and preparing same. M. T. Harvey. 2,418,583; Apr. 8.
Explosive purification. J. G. Burtle. 2,418,753; Apr. 8.
Fabric. Towelling. T. Sumner. 2,418,676; Apr. 8.
Ferromagnetic flakes in paint films, Orienting. B. C. Pratt and P. L. Salzberg. 2,418,479; Apr. 8.
Fastener: *See*—
  Slide fastener.
Filaments, Manufacture of tapered. J. Alfthan and R. T. Fields. 2,418,492; Apr. 8.
Filter composition, Ultra-violet. R. Brown. 2,418,695; Apr. 8.
Filter transparent to infrared radiation and opaque to visible light. R. G. Shepherd, Jr., and C. D. West. 2,418,605; Apr. 8.
Filtering apparatus. F. B. Shepard. 2,418,604; Apr. 8.
Finger operated rotatable tool. D. B. Hoover. 2,418,638; Apr. 8.
Finned tube. J. W. Brown, Jr. 2,418,619; Apr. 8.
Fire-extinguishing unit. H. C. Grant, Jr. 2,418,468; Apr. 8.
Flashlight. W. C. Crimmins. 2,418,759; Apr. 8.
Flatting agent. L. Auer. 2,418,450; Apr. 8.
Forming paper, Method and machine for. H. M. Ostertag and F. O. Boylan. 2,418,600; Apr. 8.
4-amino-5-arylpyrimidine. W. H. Davies and A. W. Johnson. 2,418,548; Apr. 8.
Frame: *See*—
  Cap frame.
Freezing machine. Food. L. H. Bartlett, W. R. Woolrich, and H. E. Brown. 2,418,746; Apr. 8.
Freezing of foodstuffs, Quick. L. H. Bartlett. 2,418,745; Apr. 8.
Frequency changer. H. M. Huge. 2,418,640–1; Apr. 8.
Frequency changer, Magnetic. H. M. Huge. 2,418,643; Apr. 8.
Frequency divider. L. B. Bauer. 2,418,568; Apr. 8.
Frequency multiplying system. A. L. Samuel. 2,418,484; Apr. 8.
Frequency reducer. H. M. Huge. 2,418,642; Apr. 8.
Friction clutch. G. F. Drake. 2,418,466; Apr. 8.
Fuel burning apparatus, Liquid. L. S. Chadwick. 2,418,622; Apr. 8.
Furnace bottom, Blast. A. B. Agnew and F. J. Reff. 2,418,742; Apr. 8.
Fuse changer. H. J. Kahanek. 2,418,773; Apr. 8.
Fuse for bombs, projectiles, and the like. H. C. Hebard. 2,418,769; Apr. 8.
Gage: *See*—
  Liquid level gage.
Garment. T. Stumpf. 2,418,582; Apr. 8.
Garter, Self-adjusting Man's. M. M. Halliss. 2,418,768; Apr. 8.
Gas fuel, Method of and apparatus for heating liquefied. O. R. Anderson. 2,418,446; Apr. 8.
Gate, Race starting. J. P. Whann and N. C. Harris. 2,418,807; Apr. 8.
Gathering and loading machine, Material. F. Cartlidge. 2,418,573; Apr. 8.
Gauge: *See*—
  Liquid level gauge.
Gear: *See*—
  Marine reversing gear.
Gearing, Multiplex bevel. K. F. J. Kirsten. 2,418,555; Apr. 8.
Gearing, Mutilated. A. H. Davis, Jr. 2,418,701; Apr. 8.
Generator: *See*—
  Direct-current generator.
Generator including a cathode-ray tube, Oscillation. M. J. O. Strutt and A. van der Ziel. 2,418,735; Apr. 8.
Glacé fruit and making same, Simulated. W. Schloessinger and A. M. Zenses. 2,418,558; Apr. 8.
Glass annealing. E. D. Tillyer. 2,418,489; Apr. 8.
Glass, Selenium ruby. J. M. Youel. 2,418,684; Apr. 8.
Glycol with a copolymer of an alkyl acrylate and maleic anhydride, Making an elastic polymer by milling and heating. F. C. Atwood. 2,418,688; Apr. 8.
Grate with water cooled bars. E. Singy. 2,418,732; Apr. 8.
Group control of plural alternating current motors. J. B. Reeves and E. W. Seeger. 2,418,806; Apr. 8.
Guard, Tractor track. A. E. Webb. 2,418,610; Apr. 8.
Guide for knitting machines, Thread. R. C. Amidon. 2,418,445; Apr. 8.
Gum massager. G. C. Shipley. 2,418,485; Apr. 8.
Gun perforator. J. G. Smylie. 2,418,486; Apr. 8.
Harvester, Beet. C. Christiansen. 2,418,575; Apr. 8.
Head arrangement for magnetic recorders, Magnetizing and erasing. M. Camras. 2,418,542; Apr. 8.
Heater: *See*—
  Altitude compensated internal - combustion air heater.
  Electrical contact heater.
  Storage battery electric heater.
Heater with air-driven fuel pump, Aircraft. H. J. DeN. McCollum. 2,418,720; Apr. 8.
Heating unit comprising coaxially arranged conductors, Inductive. H. A. Strickland, Jr. 2,418,675; Apr. 8.
High-temperature cracking apparatus. W. F. Fulton. 2,418,506; Apr. 8.
Holder: *See*—
  Electrode holder.
  Tool holder.
  Toothbrush holder.
Holder and carrier, Bottle. M. W. Bowersox. 2,418,571; Apr. 8.
Holder and match receptacle, Combined cigarette package. J. B. Nethercutt. 2,418,658; Apr. 8.
Hollow article and making the same. L. L. Greneker. 2,418,551; Apr. 8.
Hood for oxygen therapy. C. J. Lambertsen and L. Godfrey. 2,418,473; Apr. 8.
Husking machine, Corn. W. R. Davies. 2,418,700; Apr. 8.
Hydrocarbon conversion, Method and apparatus for. E. L. Sinclair and W. A. Hagerbaumer. 2,418,672; Apr. 8.
Hydrocarbon conversion, Method and apparatus for. E. Utterback. 2,418,679; Apr. 8.
Hydrocarbon conversion process. C. W. Watson. 2,418,534; Apr. 8.
Hydrocarbon oil, Acid refining of viscous. D. M. McCormick, C. B. Barbour, and W. K. Griesinger. 2,418,784; Apr. 8.
Hydrocarbons and their halogen derivatives as antifoggants, Aromatic. G. E. Falleson. 2,418,629; Apr. 8.
Hydrocarbons, Catalytic conversion of. E. L. Sinclair and W. A. Hagerbaumer. 2,418,673; Apr. 8.
Hydrocarbons, Isomerization of saturated. H. Pines and R. C. Wackher. 2,418,724; Apr. 8.
Hydrocarbons, Production of alkylated aromatic. W. L. Benedict and W. J. Mattox. 2,418,689; Apr. 8.
Ignition apparatus. J. R. Frei. 2,418,505; Apr. 8.
Impulse measuring device. G. A. Morton and L. E. Flory. 2,418,521; Apr. 8.
Indicator: *See*—
  Crane weight and radius indicator.
  Web controlled indicator.
Indicator. D. Rosenston and C. W. Yant. 2,418,727; Apr. 8.
Inhibitors for photographic emulsions, Fog. C. F. H. Allen and J. E. Jones. 2,418,613; Apr. 8.
Insecticidal compositions. K. E. Maxwell. 2,418,652; Apr. 8.
Insulator, Thermally toughened. M. K. Holmes and J. H. Plummer. 2,418,713; Apr. 8.
Interferometer, Hydraulic. F. H. Nadig and J. L. Bohn. 2,418,786; Apr. 8.
Internal-combustion engine with independently rotating valve in the abutment, Rotary abutment. I. H. Selden. 2,418,793; Apr. 8.
Inverted pot type burner. B. Hayter. 2,418,709; Apr. 8.
Iron: *See*—
  Steam electric iron.
Jack: *See*—
  Tester jack.
Joint for conduits, Flexible. W. A. Wilson. 2,418,800; Apr. 8.
Knockdown baby chair. J. H. Seitz. 2,418,781; Apr. 8.
Landing device for airplanes, Inflatable crash. A. Whitmer. 2,418,798; Apr. 8
Latch for remote control, Full stroke. F. G. Nicolaus. 2,418,598; Apr. 8.
Latching mechanism for electric switches. W. G. Harlow. 2,418,470; Apr. 8.
Lift and transfer device, Invalid. R. N. Smith. 2,418,606; Apr. 8.
Lift, Twin. W. C. Anthony and L. W. Wachter. 2,418,494; Apr. 8.
Lighter, Underwater torch. D. F. Geiger. 2,418,631; Apr. 8.

Lightning arrester, Expulsion. R. R. Pittman. 2,418,791; Apr. 8.
Lint cotton cleaner. E. H. Brooks. 2,418,694; Apr. 8.
Liquid level gauge. D. H. Annin. 2,418,614; Apr. 8.
Log handling apparatus. R. S. Rogers, Jr. 2,418,726; Apr. 8.
Lure, Artificial. W. H. Riggan. 2,418,527; Apr. 8.
Machine for coil springs, Grinding. A. T. and F. O. Hollister. 2,418,770; Apr. 8.
Machine for emptying and washing containers. O. Bjering and R. K. Belnap, Jr. 2,418,691; Apr. 8.
Machine for finishing metal parts. G. D. Wild. 2,418,535; Apr. 8.
Machine for making slide fasteners stringers. N. Dasher. 2,418,761; Apr. 8.
Machine for sealing and molding glass bulbs. C. Eisler. 2,418,763; Apr. 8.
Machine gun magazine and cradle therefor. G. A. Chadwick and P. W. Burk. 2,418,462; Apr. 8.
Magnetic material, Treatment of finely divided. W. C. Ellis and A. G. Souden. 2,418,467; Apr. 8.
Magnetic materials, Testing of. T. Zuschlag. 2,418,686; Apr. 8.
Magnetic recording or reproducing device. M. Camras. 2,418,543; Apr. 8.
Marine reversing gear. O. H. Banker. 2,418,455; Apr. 8.
Measurement of distance by frequency-modulated carrier wave. E. W. Yetter. 2,418,538; Apr. 8.
Measuring apparatus, Liquid density. J. F. Maiensheln. 2,418,592; Apr. 8.
Measuring system, Distance and direction. E. E. Turner, Jr. 2,418,490; Apr. 8.
Measuring system, Flux. E. M. Irwin. 2,418,553; Apr. 8.
Mechanism for indicating azimuthal movement of a periscope. W. W. Willard. 2,418,799; Apr. 8.
Mesh fabric, Weaving wide. H. Kittner. 2,418,775; Apr. 8.
Metallic article and making same, Corrosion-resistant. J. S. Thompson and R. R. Tanner. 2,418,608; Apr. 8.
Metallurgical apparatus. H. E. McDonnell. 2,418,654; Apr. 8.
Meter: *See*—
  Drift meter.
Microscope, Variable field. O. W. Richards. 2,418,602; Apr. 8.
Modifying the dyeing properties of cellulose or cellulose derivative textile materials. W. G. Cameron and T. H. Morton. 2,418,696; Apr. 8.
Mop and wringer, Compressible. A. Z. Bender. 2,418,802; Apr. 8.
Motor: *See*—
  Electric motor.
Motor control system. D. J. Sikorra. 2,418,560; Apr. 8.
Multiple hanger rack. J. H. Hamilton. 2,418,635; Apr. 8.
Multiple purpose electric switch. H. W. Batcheller. 2,418,616; Apr. 8.
N (acylthiomethyl) carbonylamides and their production. W. J. Burke. 2,418,497; Apr. 8.
Negatives, Registering. L. Brunet. 2,418,754; Apr. 8.
Network, Asymmetrically conducting. A. C. Prichard and I. O. Myers. 2,418,480; Apr. 8.
Nitriles from propylene and ammonia, Production of. J. W. Teter. 2,418,562; Apr. 8.
Nozzle for tempering glass ware, Gaseous fluid-liquid spray. T. D. Green. 2,418,766; Apr. 8.
Oil or other liquid filter or cleaner. C. C. S. Le Clair. 2,418,777; Apr. 8.
Oils, Improvement in winter vegetable. H. D. Royce. 2,418,668; Apr. 8.
Olefins, Continuous process for polymerizing. V. Voorhees. 2,418,797; Apr. 8.
Operating device for electric circuit breakers, Manual. J. D. Gayer. 2,418,704; Apr. 8.
Optical device for indicating correct operating speed of phonograph turntables. M. R. Mausshardt. 2,418,651; Apr. 8.
Organic solvent soluble derivatives of cellulose and preparing the same. W. J. Burke. 2,418,498; Apr. 8.
Package, Dispensing. M. R. Reitman. 2,418,526; Apr. 8.
Paper stock, Method and apparatus for defibering. E. Cowles. 2,418,547; Apr. 8.
Parachute. E. R. Boland. 2,418,456; Apr. 8.
Paring and coring machine, Apple. J. F. Lindner. 2,418,805; Apr. 8.
Pen, Drafting. A. Szerenyi. 2,418,796; Apr. 8.
Pest control. E. W. Bousquet. 2,418,458–9; Apr. 8.
Phonograph stylus mount. R. A. MacDonald. 2,418,591; Apr. 8.
Piano action. R. W. E. Sperry. 2,418,733; Apr. 8.
Pickup device of sound-reproducing machines. J.-J. Bessire. 2,418,617; Apr. 8.
Piezo crystal unit assembly. G. S. Wachtman. 2,418,491; Apr. 8.
Pipe cleaner. W. E. Heron. 2,418,711; Apr. 8.
Pipe grip, Inside-outside. W. T. Damrell. 2,418,626; Apr. 8.
Pipette washer. J. H. Brewer. 2,418,751; Apr. 8.
Plastic composition, Hardenable. M. Skolnik. 2,418,795; Apr. 8.
Platen for typewriting machines, Noiseless. F. U. Conard. 2,418,698; Apr. 8.
Plug: *See*—
  Electrical coupling plug.
Port assembly, Exhaust. J. Williams. 2,418,741; Apr. 8.
Power accumulator, Packaged. E. A. Rockwell. 2,418,667; Apr. 8.
Power-plant apparatus. A. S. Thompson. 2,418,488; Apr. 8.
Power plant, Steam. R. M. Ostermann. 2,418,477; Apr. 8.
Pressure-responsive device. G. A. Goepfrich. 2,418,508; Apr. 8.
Prism, Color selective. G. L. Dimmick. 2,418,627; Apr. 8.
Propelling system for life boats, Starting and manual. V. Harasty. 2,418,637; Apr. 8.
Protective unit for fluid lines. O. D. Baker. 2,418,743; Apr. 8.
Pump. E. F. Cox and J. S. Domingos. 2,418,699; Apr. 8.
Pump and sewing machine, Combined air. W. O. Runcie. 2,418,483; Apr. 8.
Rack: *See*—
  Multiple hanger rack.
Radiographs, Method and apparatus for producing. S. H. Neddermeyer and D. W. Kerst. 2,418,523; Apr. 8.
Railroad tie forming machine. N. Bernard. 2,418,570; Apr. 8.
Range surface unit, Electric. E. O. Morton. 2,418,520; Apr. 8.
Razor blade dispensing container. N. Testi. 2,418,677; Apr. 8.
Razor blade dispensing magazine. Z. Auerbach. 2,418,495; Apr. 8.
Receptacle attachment for children's vehicles. J. J. Machado. 2,418,717; Apr. 8.
Refrigerated soda fountain cabinet. H. K. Johnson. 2,418,715; Apr. 8.
Refrigerator, Ice cube dispensing. J. E. Brennan. 2,418,572; Apr. 8.
Remote control. G. A. Waldie. 2,418,532; Apr. 8.
Resinous reaction product of ethylene glycol, glycerol, and succinic anhydride. C. Opp. 2,418.721; Apr. 8.
Resins with a monohydric alcohol, Treatment of unsaturated alkyd. C. Gould. 2,418,633; Apr. 8.
Resistor. J. A. Becker, H. Christensen, and J. J. Kleimack. 2,418,461; Apr. 8.
Resistor. E. Buehler. 2,418,460; Apr. 8.
Resistor and making same, Electrical. S. R. Hood. 2,418,804; Apr. 8.
Restrictor device for refrigerating apparatus. S. M. Schweller. 2,418,671; Apr. 8.
Retreading equipment, Tire. P. E. Hawkinson. 2,418,584; Apr. 8.
Retriever for well derricks, Drill pipe. O. Sanders. 2,418,728; Apr. 8.
Roller assembly, Pad. M. E. Collins. 2,418,544; Apr. 8.
Roller assembly, Pad. A. G. Zimmerman. 2,418,545; Apr. 8.
Sander. A. W. Laird. 2,418,587; Apr. 8.
Scaffold, Ladder supported. C. Neff. 2,418,597; Apr. 8.
Scouring chain. W. Hasendahl. 2,418,552; Apr. 8.
Scraper, Carrying. H. D. Kadz. 2,418,554; Apr. 8.
Scraper for cleaning tubes, Fluid propelled articulated. C. M. Griffin. 2,418,509; Apr. 8.
Screw conveyor construction. R. E. Bressler. 2,418,540; Apr. 8.
Seal, Lubricant. R. W. Groot. 2,418,707; Apr. 8.
Seal, Rotary shaft. I. S. Brumagim. 2,418,620; Apr. 8.
Seat spring. J. M. Caughey. 2,418,697; Apr. 8.
Seat structure, Convertible. A. L. Nelson. 2,418,787; Apr. 8 .
Shaver, Dry. H. E. Page. 2,418,722; Apr. 8.
Sheave-cable connection. S. A. Wohler. 2,418,565; Apr. 8.
Sheet, Laminated. P. Zalkind. 2,418,612; Apr. 8.
Shingle construction. C. M. Vibert. 2,418,563; Apr. 8.
Shirt, Stay-down. S. Katz. 2,418,774; Apr. 8.
Shirts, Folding. R. C. Campbell. 2,418.755; Apr. 8.
Shock absorber, Friction. E. H. Lehman. 2,418,778; Apr. 8.
Shovel loader attachment, Tractor mounted. L. J. Costelloe. 2,418,577; Apr. 8.
Shutter and film-wind interlock. J. F. Morse and H. L. Hosterman. 2,418,594; Apr. 8.
Shutter for cameras, Sliding. M. R. Hutchison, Jr., and H. H. Harmon. 2,418,644; Apr. 8.
Signal detection system. W. H. Bliss and J. E. Smith. 2,418.750; Apr. 8.
Signal system for cranes. H. L. Conrad. 2,418,576; Apr. 8.
Slide fastener. J. Robinsohn. 2,418,482; Apr. 8.
Sling, Braided. V. C. J. Peterson and W. A. Loewen. 2,418,524; Apr. 8.
Soap-free fatty oils, Preparing emulsions of. L. Auer. 2,418,451; Apr. 8.
Speed control valve. H. C. Hallerstrom. 2,418,634; Apr. 8.
Splitter, Bean and pea pod. G. D. Evernden. 2,418,581; Apr. 8.
Spreading machine. R. Comtois. 2,418,546; Apr. 8.
Spring: *See*—
  Seat spring.
Sprinkler unit. H. G. Freeman. 2,418,765; Apr. 8.
Stacking and tying medical compresses or the like, Method and apparatus for. R. S. Edwards. 2,418,550; Apr. 8.

Starch process, Wheat. R. W. Callaghan and R. H. Schilling. 2,418,621; Apr. 8.
Starch process, Wheat. R. H. Schilling. 2,418,669; Apr. 8.
Steam construction, Valve. E. C. Steiner. 2,418,674; Apr. 8.
Steam electric iron. W. C. Hume. 2,418,511; Apr. 8.
Storage battery electric heater. H. C. Riggs. 2,418,792; Apr. 8.
Strap, Electric cable. J. M. Anderson. 2,418,539; Apr. 8.
Strip material. J. T. Cooper. 2,418,758; Apr. 8.
Strip material, Gripping and lifting. J. Breslav. 2,418,692; Apr. 8.
Sugar, chemicals, etc., Method and apparatus for centrifugally washing. F. W. Kopplin. 2,418,776; Apr. 8.
Suspension, Hose. J. Jolley. 2,418,513; Apr. 8.
Suspension system for road vehicles and the like. L. M. Ballamy and R. H. Sheepshanks. 2,418,744; Apr. 8.
Switch: *See*—
  Automatic oil pressure safety switch.
  Multiple purpose electric switch.
  Thermostatic switch.
Switch. E. G. Miller and R. E. Engberg. 2,418,556; Apr. 8.
Switch. F. C. Wallace. 2,418,564; Apr. 8.
Synchronizing equipment, Photographic. I. Jacobson and H. E. Smith. 2,418,714; Apr. 8.
Table: *See*—
  Card table.
Tanks, Constructing tile lined. J. M. Crom. 2,418,580; Apr. 8.
Tape facsimile system, High-speed. F. R. Brick. 2,418,618; Apr. 8.
Telemeter. J. L. Zar. 2,418,685; Apr. 8.
Telephone system. J. H. Voss and H. F. Obergfell. 2,418,609; Apr. 8.
Terminal for sealed-in motor compressor units, Auxiliary. W. J. Schemers. 2,418,729; Apr. 8.
Tester jack. F. J. Lingel. 2,418,517; Apr. 8.
Thermostat. W. A. Dehn and A. E. Armstrong. 2,418,762; Apr. 8.
Thermostatic switch. R. H. Jordan. 2,418,647; Apr. 8.
Thread, yarn, filament and the like. J. Irwin, Jr. 2,418,771; Apr. 8.
Tire element supply mechanism. C. S. McChesney. 2,418,783; Apr. 8.
Tool: *See*—
  Cutting tool.
  Finger operated rotatable tool.
Tool holder. M. J. Steffes. 2,418,734; Apr. 8.
Toothbrush holder. S. L. Barna. 2,418,615; Apr. 8.
Torch, Gas. G. L. Walker. 2,418,533; Apr. 8.
Trailer for self-propelled combines. W. S. Ausherman. 2,418,567; Apr. 8.
Training apparatus and method, Artillery. R. B. Johnson. 2,418,512; Apr. 8.
Transformer, Cautery. W. A. Arnesen. 2,418,687; Apr. 8.
Transmission system, Microwave. H. W. Kline. 2,418,472; Apr. 8.
Transmitting mechanism, Hydraulic power. G. W. Cornelius. 2,418,625; Apr. 8.
Tray, Ice-cube. H. R. Tharp. 2,418,530; Apr. 8.
Trimmer, Electrode. P. M. Hall. 2,418,767; Apr. 8.
Trousers and such like, Supporting. E. A. Jackson. 2,418,772; Apr. 8.
Truck, Car door hanging. W. Jenkins. 2,418,586; Apr. 8.
Truck for transporting car wheels, Hand. H. L. Needham. 2,418,522; Apr. 8.
Truck, Industrial. J. Breslav. 2,418,693; Apr. 8.
Truck, Industrial. D. M. Palm. 2,418,661; Aug. 8.
Tuner for multiresonator. H. D. Hagstrum. 2,418,469; Apr. 8.
Tube: *See*—
  Finned tube.
Turbine plant, Internal-combustion. K. Baumann. 2,418,801; Apr. 8.
2-acetoxy-4-methyl-1,3-pentadiene. B. H. Gwynn and E. F. Degering. 2,418,708; Apr. 8.
2-alkoxymethylmercapto-thiazoles and thiazolines and preparing the same. W. J. Burke. 2,418,499; Apr. 8.
Type packer and valve therefor, Circulating. H. Allen. 2,418,493; Apr. 8.
Typewriter construction, Folding. G. I. Mills. 2,418,785; Apr. 8.
Unit system for applying brakes, Power. E. A. Rockwell. 2,418,666; Apr. 8.
Values from vegetable tanned leather, Recovering. J. Michelman. 2,418,655; Apr. 8.
Valve: *See*—
  Speed control valve.
Valve. A. C. Arbogast. 2,418,447–8; Apr. 8.
Vehicle: *See*—
  Ball bearing roller bobsled type vehicle.
Ventilator including a motor-driven fan, Pivotally mounted porthole blackout. V. J. Cucci. 2,418,760; Apr. 8.
Vinyl resin compositions, Production of spinnable. R. D. Glenn. 2,418,507; Apr. 8.
Wagon, Self-propelled dump. R. G. Le Tourneau. 2,418,588; Apr. 8.
Washer: *See*—
  Pipette washer.
Water-resistant uninflammable organic fibrous materials and product, Manufacture of. F. F. Pollak. 2,418,525; Apr. 8.
Web controlled indicator. T. L. Corwin. 2,418,464; Apr. 8.
Wheel. R. N. Riblet. 2,418,481; Apr. 8.
Windshield cleaner. A. C. Scinta. 2,418,559; Apr. 8.
Wrapping machine. B. A. Arvidson. 2,418,449; Apr. 8.
Yarn having the twist set therein with an unctuous solid. K. R. Brown. 2,418,752; Apr. 8.
Zinc dicyanimide, Preparation of. D. E. Nagy and B. C. Redmon. 2,418,476; Apr. 8.

CLASSIFICATION OF PATENTS

ISSUED APRIL 8, 1947

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

Note.—First number—class, second number—subclass, third number—patent number

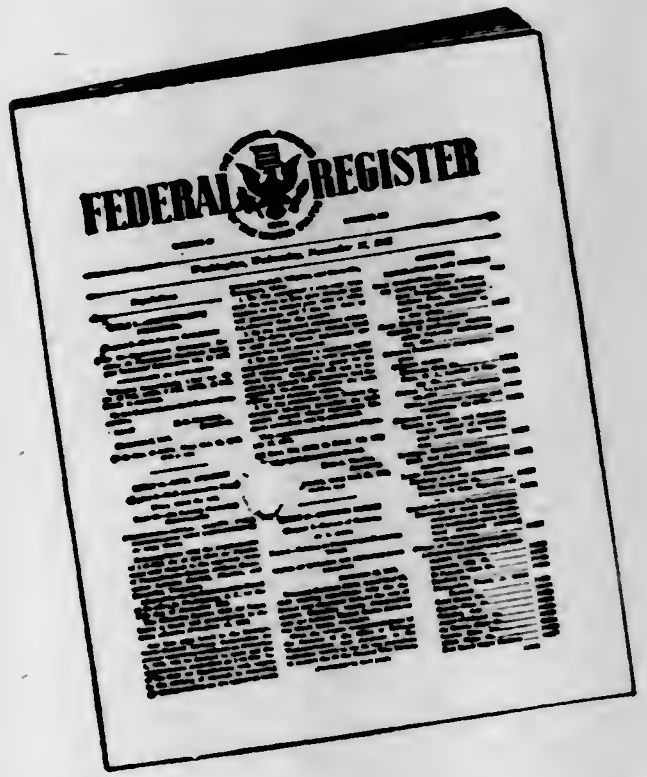
2— 74: 2,418,582	60— 35.6: 2,418,488	103— 240: 2,418,788	167— 87.1: 2,418,664	200— 21: 2,418,504	250— 20: 2,418,750
115: 2,418,774	62— 1: 2,418,446	106— 52: 2,418,684	90: 2,418,695	51.10: 2,418,517	27: 2,418,574
131: 2,418,716	7: 2,418,715	107: 2,418,795	169— 31: 2,418,468	60: 2,418,789	36: 2,418,484
199: 2,418,764	8: 2,418,671	173: 2,418,450	39: 2,418,765	78: 2,418,556	2,418,518
235: 2,418,772	89: 2,418,572	2,418,583	171— 209: 2,418,471	82: 2,418,508	2,418,568
240: 2,418,513	108.5: 2,418,530	222: 2,418,451	2,418,505	2,418,690	65: 2,418,523
275: 2,418,771	114: 2,418,746	108— 9: 2,418,563	252: 2,418,607	2,418,704	161: 2,418,487
316: 2,418,768	66— 1.5: 2,418,483	114— 43.5: 2,418,478	325: 2,418,710	83: 2,418,536	164: 2,418,779
5— 86: 2,418,606	86: 2,418,445	115— 24: 2,418,637	327: 2,418,491	116: 2,418,537	2,418,780
100: 2,418,680	67— 20.1: 2,418,631	116— 125: 2,418,727	172— 179: 2,418,806	137: 2,418,647	251— 118: 2,418,634
8— 100: 2,418,696	29: 2,418,714	117— 64: 2,418,479	281: 2,418,640	139: 2,418,762	156: 2,418,447
9— 6: 2,418,636	68— 198: 2,418,740	137: 2,418,525	2,418,641	169: 2,418,470	2,418,448
9: 2,418,549	73— 33: 2,418,592	119— 15.5: 2,418,807	2,418,642	201— 63: 2,418,460	255— 1.4: 2,418,500
15— 41: 2,418,725	302: 2,418,614	120— 69: 2,418,585	2,418,643	2,418,461	19: 2,418,601
104: 2,418,552	74— 17.5: 2,418,598	110: 2,418,796	288: 2,418,560	76: 2,418,804	257— 262: 2,418,619
104.06: 2,418,509	296: 2,418,455	122— 374: 2,418,732	173— 328: 2,418,457	206— 15.1: 2,418,615	260— 16: 2,418,721
119: 2,418,802	410: 2,418,555	123— 13: 2,418,793	174— 52: 2,418,687	16: 2,418,495	22: 2,418,452
185: 2,418,510	435: 2,418,701	51: Re.22,863	153: 2,418,729	2,418,677	2,418,453
250: 2,418,559	501: 2,418,565	188: 2,418,674	209: 2,418,713	19.5: 2,418,749	2,418,633
18— 8: 2,418,492	568: 2,418,757	125— 35: 2,418,463	175— 30: 2,418,791	48: 2,418,658	32: 2,418,507
18: 2,418,584	77— 2: 2,418,780	126— 116: 2,418,712	294: 2,418,739	210— 28: 2,418,628	42: 2,418,688
57: 2,418,660	55: 2,418,646	2,418,720	361: 2,418,531	67: 2,418,776	86.5: 2,418,782
19— 39: 2,418,694	73.5: 2,418,790	127— 67: 2,418,621	177— 311: 2,418,464	122.3: 2,418,604	94: 2,418,797
20— 92: 2,418,612	81— 3.8: 2,418,773	2,418,669	2,418,576	166: 2,418,777	226: 2,418,498
22— 14: 2,418,599	39: 2,418,626	128— 62: 2,418,485	351: 2,418,685	211— 46: 2,418,635	248: 2,418,753
57: 2,418,649	121: 2,418,638	133: 2,418,561	352: 2,418,538	214— 1: 2,418,503	251: 2,418,548
23— 78: 2,418,476	84— 240: 2,418,733	205: 2,418,473	353: 2,418,521	2,418,586	302: 2,418,499
122: 2,418,590	87— 8: 2,418,524	130— 5: 2,418,700	360: Re.22,864	2,418,728	313: 2,418,655
200: 2,418,467	88— 1: 2,418,627	30: 2,418,581	380: 2,418,553	65.4: 2,418,522	397.4: 2,418,603
24— 207: 2,418,482	14: 2,418,651	131— 246: 2,418,711	386: 2,418,490	83: 2,418,726	405.6: 2,418,454
25— 154: 2,418,580	2,418,786	134— 81: 2,418,691	178— 6.6: 2,418,618	85: 2,418,567	438: 2,418,528
157: 2,418,650	39: 3,418,602	136— 161: 2,418,792	44: 2,418,472	113: 2,418,661	455: 2,418,497
29— 96: 2,418,734	60: 2,418,799	137— 20: 2,418,751	179— 1: 2,418,516	2,418,693	464: 2,418,562
148: 2,418,686	109: 2,418,605	153: 2,418,743	16: 2,418,609	140: 2,418,577	473: 2,418,501
30— 43: 2,418,722	89— 33: 2,418,656	139— 29: 2,418,775	18: Re.22,861	215— 45: 2,418,723	488: 2,418,708
32— 19: 2,418,648	90— 12: 2,418,767	273: 2,418,678	100.2: 2,418,541	47: 2,418,630	671: 2,418,689
33— 154: 2,418,595	92— 26: 2,418,547	383: 2,418,676	2,418,542	219— 4: 2,418,781	683.5: 2,418,724
34— 153: 2,418,653	44: 2,418,600	143— 6: 2,418,639	2,418,543	8: 2,418,681	263— 19: 2,418,654
207: 2,418,683	74: 2,418,706	144— 159: 2,418,570	100.41: 2,418,617	13: 2,418,675	265— 47: 2,418,593
35— 25: 2,418,512	93— 2: 2,418,449	146— 38: 2,418,805	180— 73: 2,418,744	19: 2,418,557	266— 43: 2,418,742
44: 2,418,756	95— 6: 2,418,623	148— 6.16: 2,418,608	187— 17: 2,418,494	37: 2,418,520	267— 9: 2,418,778
45: 2,418,718	2,418,624	152— 417: 2,418,730	188— 78: 2,418,632	220— 60: 2,418,578	271— 2.3: 2,418,544
37— 126: 2,418,554	2,418,747	153— 1: 2,418,761	152: 2,418,666	90: 2,418,502	2,418,545
38— 77: 2,418,511	2,418,748	21: 2,418,736	251: 2,418,719	222— 498: 2,418,659	273— 136: 2,418,514
42— 18: 2,418,462	7: 2,418,613	154— 10: 2,418,783	189— 86: 2,418,758	223— 37: 2,418,755	274— 38: 2,418,591
43: 2,418,611	2,418,629	118: 2,418,551	190— 44: 2,418,589	75: Re.22,862	275— 8: 2,418,546
43— 43: 2,418,527	31: 2,418,594	155— 41: 2,418,787	192— 61: 2,418,625	224— 29: 2,418,717	280— 29: 2,418,665
45— 86: 2,418,670	55: 2,418,644	127: 2,418,731	84: 2,418,466	48: 2,418,571	87.03: 2,418,703
49— 2: 2,418,763	74: 2,418,754	179: 2,418,697	196— 40: 2,418,784	226— 56: 2,418,657	285— 90: 2,418,800
89: 2,418,489	98— 39: 2,418,760	158— 7: 2,418,475	50: 2,418,534	108: 2,418,794	286— 7: 2,418,707
51— 50: 2,418,535	99— 2: Re.22,865	27.4: 2,418,533	52: 2,418,672	229— 51: 2,418,526	19: 2,418,620
98: 2,418,737	123: 2,418,668	28: 2,418,566	2,418,673	230— 114: 2,418,801	291— 2: 2,418,587
2,418,738	134: 2,418,558	91: 2,418,622	2,418,679	235— 61: 2,418,803	294— 81: 2,418,692
118: 2,418,770	164: 2,418,645	2,418,709	117: 2,418,506	244— 22: 2,418,569	298— 19: 2,418,588
308: 2,418,529	192: 2,418,745	160— 405: 2,418,515	197— 84: 2,418,474	63: 2,418,702	299— 142: 2,418,766
309: 2,418,496	404: 2,418,519	164— 0.5: 2,418,486	147: 2,418,698	121: 2,418,798	304— 10: 2,418,597
55— 108: 2,418,575	100— 31: 2,418,550	71: 2,418,596	186: 2,418,785	134: 2,418,682	305— 6: 2,418,481
57— 77: 2,418,705	102— 85: 2,418,769	166— 10: 2,418,493	198— 8: 2,418,573	142: 2,418,456	9: 2,418,610
140: 2,418,752	103— 38: 2,418,532	167— 33: 2,418,458	213: 2,418,540	246— 169: 2,418,579	315— 5: 2,418,735
60— 20: 2,418,477	71: 2,418,699	2,418,459	200— 6: 2,418,564	248— 74: 2,418,539	29: 2,418,480
29: 2,418,741	223: 2,418,667	43: 2,418,652	2,418,616	250— 1.72: 2,418,465	40: 2,418,469

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,418,451: 106—222	2,418,465: 250—1.72	2,418,496: 51—309	2,418,529: 51—308	2,418,645: 99—164	2,418,760: 98— 39
2,418,452: 260— 22	2,418,469: 315— 40	2,418,516: 179— 1	2,418,565: 74—501	2,418,655: 260—313	2,418,788: 103—240
2,418,453: 260— 22	2,418,475: 158— 7	2,418,519: 99—404	2,418,574: 250— 27	2,418,667: 103—223	
2,418,463: 125— 35	2,418,485: 128— 62	2,418,526: 229— 51	2,418,608: 148—6.16	2,418,688: 260— 42	

Classification of Designs

D 3— 4: Des. 146,567	D29—28: Des. 146,566	D45—16: Des. 146,577	D45—19: Des. 146,575	D80— 9: Des. 146,581	D92—26: Des. 146,582
D 9— 2: Des. 146,573	D34— 5: Des. 146,557	Des. 146,584	Des. 146,576	11: Des. 146,558	Des. 146,583
Des. 146,574	Des. 146,578	19: Des. 146,552	D47— 6: Des. 146,561	D92—26: Des. 146,569	Des. 146,586
D13— 1: Des. 146,554	15: Des. 146,580	Des. 146,553	D48—20: Des. 146,555	Des. 146,570	Des. 146,587
D14— 3: Des. 146,559	D44—15: Des. 146,585	Des. 146,563	Des. 146,556	Des. 146,571	Des. 146,588
Des. 146,560	Des. 146,589	Des. 146,564	D59—13: Des. 146,568	Des. 146,572	
D26—14: Des. 146,562	24: Des. 146,551	Des. 146,565	D72— 1: Des. 146,550	Des. 146,579	



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DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE CURLEY ET AL.

No. 5,204. Decided December 9, 1946

[— F.(2d) —; 72 USPQ 116]

1. WORDS AND PHRASES—"ENCLOSED MOTOR"—"ENCLOSURE."

With respect to motors for use in gaseous mines, *Held* that "the term 'enclosed motor' has reference to a completely enclosed motor" and that "the term 'enclosure' contained in appealed claims 3 and 4, which call for the motor and the controlling switch to be within an enclosure, should be interpreted * * * to mean a complete enclosure, in accordance with the meaning of the term 'enclosed.'"

2. PATENTABILITY—VENTILATORS FOR USE IN GASEOUS MINES.

In appellants' application on a ventilator for use in gaseous mines, claims 3 and 4 *Held* patentable over the two references of record for the reason that the suggested combination thereof "would not produce appellants' device, or the improved results obtained thereby;" but claims 1 and 2 *Held* unpatentable.

3. APPEAL—JURISDICTION.

In connection with a handbook to which appellants called attention, *Held* that "whether there is invention in placing a controlling switch adjacent an enclosed motor so that both elements are enclosed, in view of the disclosures in the references relied upon by the tribunals of the Patent Office, when considered in the light of the statements contained in the quoted excerpts from the Electrical Engineers' Handbook, is not an issue before us, as the jurisdiction of this court is confined to the grounds of rejection applied by the tribunals of the Patent Office and to the 'points set forth' in appellants' reasons of appeal."

4. WORDS AND PHRASES—"SUBSTANTIALLY."

"Appealed claim 1 calls for a motor and a controlling switch therefor in a 'substantially complete enclosure.' The word 'substantially' does not necessarily have the same meaning as the word 'essentially.' It is a relative term and should be interpreted in accordance with the context of the claim in which it is used."

APPEAL from the Patent Office. Modified.

BLAND, *J.*, dissenting in part.

Mr. Harker H. Hittson for Curley et al.

Mr. W. W. Cochran (*Mr. R. F. Whitehead* and *Mr. Harold B. Whitmore* of counsel) for the Commissioner of Patents.

HATFIELD, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting all of the claims (Nos. 1 to 4, inclusive) in appellants' application for a patent for an alleged invention relating to an improved ventilator or blower for use in underground mines, and particularly in "gaseous mines."

Except as hereinafter noted, claims 2 and 3 are illustrative of the appealed claims. They read:

> 2. In a ventilator, the combination with a ventilator housing, of an electric motor positioned within said housing and comprising end bells secured to the motor frame and supporting journal bearings for the motor armature shaft, one bell being closed and the other open, a streamlined cover for the open end bell, means supporting said motor spaced from the inner wall of said housing, an air impeller driven by said motor and adapted to force air through said housing and outside said motor, a controlling switch for said motor positioned adjacent thereto, means for securing said cover to the motor frame to form in cooperation with said closed end bell an enclosure for said switch, and actuating mechanism extending from outside said ventilator housing through the forced air path and connected to operate said controlling switch.
>
> 3. In a fan, the combination with a generally cylindrical outer housing through which air is to be forced, of a motor within said housing, means supporting said motor spaced from the inner wall of said housing, an impeller driven by said motor and adapted to force air along a path between the exterior of said motor and the interior of said housing, mechanism co-acting with the frame of said motor to form an enclosure, a motor controlling switch disposed adjacent one end of said motor within said enclosure, and actuating mechanism for said switch extending from outside said housing, through said air path and into the enclosure for said switch, said actuating mechanism having means for operating it outside said housing thereby to control said switch.

The references are: Burgess, 1,725,897, August 27, 1929; Schmidt, 1,932,231, October 24, 1933.

It was the purpose of appellants to provide a compact ventilator or blower of light weight which could be moved from place to place in a gaseous mine to supply clean air to so-called "working faces that are usually dead ends."

It was also the purpose of appellants to provide a ventilator or blower with the motor and its moving parts, together with a controlling switch which is placed adjacent the motor, in a complete enclosure so as to prevent sparks from the motor or switch coming into contact with the gas in the mine and causing explosions or fires. The controlling switch adjacent the motor is operated by means of a rod which extends through the casing which encloses the motor and the switch and through the forced air path between the casing and the housing, thence through the housing to the outside of the device.

Appellants state in their application that their ventilator is provided with a rotary fan which causes a flow of air to pass through the motor and over the switch for the purpose of preventing undue

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heating of the various electrical elements. That feature of appellants' device, however, is not included in any of the appealed claims.

It will be observed from quoted claim 3 that the motor and the controlling switch therefor, are placed in an enclosure. Claim 4 calls for a similar arrangement.

Claim 1 calls for a motor and a controlling switch therefor in a "substantially complete enclosure."

Claim 2, as we read it, is broader than the other appealed claims in that it does not expressly call for the motor being in an enclosure, although the claim calls for the switch being adjacent the motor and within an enclosure.

The patent to Burgess relates to an electrically operated lavatory dryer, evidently used for the purpose of drying the hands by warm air applied thereto. The patentee discloses a device in which the motor and the controlling switch therefor are in a housing which is not completely or substantially closed.

In the Primary Examiner's statement to the Board of Appeals it is said that the switch in the Burgess disclosure is operated by a rod which extends through the housing.

The patent to Schmidt relates to a "propeller type fluid translating apparatus" or blower which may be used either for gaseous or liquid media. The motor is enclosed in a housing which has apertures or openings to provide ventilation for the motor.

In rejecting the appealed claims, the Primary Examiner stated that although a switch for operating the motor was not disclosed in the patent to Schmidt, there was undoubtedly one located at some point, probably remote from the motor, to control its operation; that all appellants have done is to locate the switch in the conical fairing member of the Schmidt blower; that the Schmidt device and appellants' device "operate in the same way regardless of the location of the switch;" that to operate the Schmidt blower with the switch located in the conical fairing member, an operating rod for the switch must necessarily pass through the housing; and that, therefore, it would not involve invention "to place the Burgess switch in the Schmidt device, and pass the operating rod to the outside."

Although the Examiner stated that the motor and the switch in appellants' apparatus were completely enclosed, and that the patent to Schmidt disclosed openings to provide ventilation for the motor, he did not hold that it would be obvious to close those openings in the Schmidt device in order to provide a complete enclosure for those elements. On the contrary, the Examiner stated that the openings disclosed in the Schmidt device "would be advantageous even in applicants' device, since without them there would be no path for the air otherwise circulated by" the fan in appellants' device to cool the motor.

In affirming the decision of the Primary Examiner, the Board of Appeals stated that counsel for appellants stressed the fact that there was no communication between the motor and the switch in appellants' device and the atmosphere in a gaseous mine, whereas the Schmidt device had openings in the housing which permitted electrical sparks to come into contact with the atmosphere in a gaseous mine. The Board, held, however, that "* * * none of the claims require that there be no apertures in applicants' cover, and therefore the claims do not appear to definitely include this feature." The Board further stated that it agreed with the views expressed by the Primary Examiner that in view of the disclosure in the Burgess patent, there would be no invention "in placing a motor switch within the fairing member of Schmidt and providing an operating member therefor accessible at the exterior of the conduit or duct or in closing one of the end bells."

In its decision, in response to a request for reconsideration of its original decision, the Board stated:

> We are not in agreement with applicants that a *complete enclosure* or an enclosure that is substantially complete *may not be an enclosure having apertures or is restricted to a housing or covering that is completely closed.* In this connection it is noted that according to the specification the motor cooling fan * * * is necessary when the housing is completely closed to the outside and that such cooling means are omitted from the claims. This seems significant as to possible asserted interpretations of the claims in the future, if allowed. [Italics ours.]

Accordingly, the Board affirmed its original decision rejecting the appealed claims.

It will be observed that, in its second decision, the Board stated that it was not in agreement with counsel for appellants "*that a complete enclosure* or an enclosure that is substantially complete may not be an enclosure having apertures or *is restricted to a housing or covering that is completely closed.*" [Italics ours.] In other words, the Board stated that a complete enclosure may not be one that is completely closed, and that an enclosure that is substantially complete, as called for by appealed claim 1, may not be a complete enclosure.

It is argued here by counsel for appellants that the Board of Appeals was in error in holding that the claims on appeal do not call for the motor and switch adjacent thereto to be "enclosed" as that term is used in the art here involved, and that, by the use of the term "substantially enclosed" or "enclosed," the appealed claims require that there be no apertures for ventilation or other purposes in the parts of appellants' device which enclose the motor and the motor switch.

In support of his contentions, counsel calls attention to Electrical Engineers' Handbook, Pender-Del Mar, 3rd Edition, Vol. IV, published in 1936, Sec. 16, page 28, wherein it is stated:

> Coal Mines. Most of the operations in coal mining have been electrified in one way or another. Some of the electrified equipment, such as cutters and locomotives, have motors which form an integral part of each unit, and there is seldom, if ever, any occasion for the mine operator to consider what type of motor is needed. On the other hand, there are a number of drives, such as for tipples and breakers, ventilation, pumping, and dumping, and hoisting, where data concerning the type of motor which should be used are frequently needed. *A further point of importance is that, in gaseous mines, all motors and controls must be fully enclosed so that there will be no danger of sparks setting off an explosion. Motors specially designed for this service are on the market.* [Italics ours.]

Our attention is also called to Sec. 16, page 14, of that authority, where it is stated:

> Totally Enclosed Air-Jacketed Motors. Several of the leading manufacturers are building motors which are *totally enclosed* and ventilated and fan cooled. They are designed for locations where dust, fumes, and moisture are present in sufficient quantity to clog, corrode, short-circuit, or wear out the *open type* or where inflammable dust or vapors are present in sufficient quantity to cause explosions or fires. In some cases *enclosed motors* should be used throughout the plant, and in others only in locations where conditions make them necessary. Obviously the use of such motors is more satisfactory in the long run than providing improvised unventilated boxes for their protection or placing them in a separate room or building.
>
> Where Used. The following brief analysis gives an idea of the services to which motors of this type may be applied. It is worth bearing in mind that insurance rates in hazardous locations are lower where *enclosed air-jacketed motors* are used and that they are furthermore of advantage in that they act as a safeguard against loss of production, not covered by insurance, in atmospheres where there would be danger of fire or explosion with *open-type motors*, even when boxed or partitioned. [Italics ours.]

[1] It appears from the quoted excerpts from the Electrical Engineers' Handbook that completely enclosed motors for use in gaseous mines are referred to as "enclosed motors," as distinguished from so-called "open-type motors." There is nothing in that authority to suggest that a substantially enclosed motor is one that comes within the term "completely enclosed motor." On the contrary, the term "enclosed motor" has reference to a completely enclosed motor. We are of opinion, therefore, that the term "enclosure" contained in appealed claims 3 and 4, which call for the motor and the controlling switch to be within an enclosure, should be interpreted, contrary to the views expressed by the Board of Appeals, to mean a complete enclosure, in accordance with the meaning of the term "enclosed," as used in the art here involved.

[2][3][4] It will be observed that there is no reference in the quoted excerpts from the Electrical Engineers' Handbook to the location of the controlling switch for enclosed motors for use in gaseous mines. Whether there is invention in placing a controlling switch adjacent an enclosed motor so that both elements are enclosed, in view of the disclosures in the references relied upon by the tribunals of the Patent Office, when considered in the light of the statements contained in the quoted excerpts from the Electrical Engineers' Handbook, is not an issue before us, as the jurisdiction of this court is confined to the grounds of rejection applied by the tribunals of the Patent Office and to the "points set forth" in appellants' reasons of appeal. *In re Oliver M. Tucker and William A. Reeves*, 19 C. C. P. A. (Patents) 810, 54 F.(2d) 815, 12 USPQ 131.

It is evident from what has been said that locating the controlling switch disclosed in the patent to Burgess in the Schmidt blower, where the motor is enclosed within a housing which has openings therein to provide ventilation for the motor, would not prevent sparks from the switch or motor, or both, from coming into contact with the atmosphere in a gaseous mine. It is clear, therefore, that such a combination would not produce appellants' device, or the improved results obtained thereby. Accordingly, we are of opinion that appealed claims 3 and 4 are patentable over the references of record.

As hereinbefore noted, claim 2 does not expressly call for the motor being within an enclosure. We are of opinion, therefore, that that claim was properly rejected on the references of record.

Appealed claim 1 calls for a motor and a controlling switch therefor in a "substantially complete enclosure." The word "substantially" does not necessarily have the same meaning as the word "essentially." It is a relative term and should be interpreted in accordance with the context of the claim in which it is used. See *Robins v. Wettlaufer*, 23 C. C. P. A. (Patents) 952, 81 F.(2d) 882, 28 USPQ 470.

In view of the intended purpose of appellants' improved blower, we are of opinion that appealed claim 1, which calls for the motor and the controlling switch therefor to be within a "substantially complete enclosure," is sufficiently broad to include a device which is not restricted, as stated by the Board of Appeals, to a housing or covering which completely encloses the motor and the controlling switch, and that, therefore, that claim does not define patentable subject matter over the references of record.

For the reasons stated, the decision of the Board of Appeals is modified, being affirmed as to appealed claims 1 and 2, and reversed as to appealed claims 3 and 4.

Modified.

BLAND, J., (dissenting in part):

I cannot concur in the allowance of claims 3 and 4.

The dispute between the applicants and the Patent Office rests upon the question as to whether or not appellants' ventilator is enclosed, and probably in some respects the Patent Office decisions are subject to some criticism.

Be this as it may, ever since coal mines were electrified it has been one of the oldest expedients to arrange their electrical devices so that sparks should not come in contact with gas. The reference, Electrical Engineers' Handbook, is particularly pertinent. If it is conceded that appellants' device, or any part of it, is completely enclosed, in my judgment it would not amount to invention, in view of the art cited, to enclose it.

It is difficult for me to see just how appellants completely enclose the elements of their device and at the same time provide a fan to run the air through to cool their motor. But even if they have some way of doing it, if any invention is present it would be in the manner in which they did it and not in the broad principle of completely enclosing a motor.

It is noted that in the opinion of the majority it is definitely held:

> *Accordingly, we are of opinion that appealed claims 3 and 4 are patentable over the references of record.* [Italics mine.]

Upon the instant record, it cannot properly be urged that affirming the Board's decision for lack of invention over the instant references is stating a new ground of rejection. Both tribunals of the Patent Office rejected the appealed claims upon the two references. They are in the instant record, and we should not so limit our jurisdiction as to be unable to affirm a rejection upon references which clearly show there is no invention and thus be responsible for the issuance of a patent that is wholly invalid on its face.

In re Wagenhorst, 20 C. C. P. A. (Patents) 991, 64 F.(2d) 780, 17 USPQ 330, is no authority for a conclusion that upon the instant record, by reason of an alleged unsound statement by the Board, an invalid patent must issue, and certainly the Tucker and Reeves case referred to in the opinion of the majority is not in point for the reason that there we held that we could not substitute a wholly new ground for rejecting a claim but were confined to the reasons applied below and brought to our attention in the reasons of appeal. In the instant case there is no question but that the claims were rejected upon the refernces of record.

Of course, by statute we are confined to a summary review of Patent Office decisions on the points set up in the appeal and must not apply new grounds of rejection not considered by the Patent Office. It is no new ground of rejection to say that in view of the references of record it is not inventive to do what appellants have done regardless of whether the claims are construed to mean partly enclosed or wholly enclosed.

It may be urged that the Commissioner, under his supervisory authority, has the right to again pass upon the patentability of the claims in view of the majority's instant holding. It is hardly likely that the Commissioner would hold the claims unpatentable after reading the statement from the majority opinion which I have above quoted.

While it must be acknowledged that our jurisdiction, under the statute as we have construed it in the case cited by the majority, is a very narrow one, it is my view that if it is narrowed further by a ruling such as is made here our appellate procedure should be radically changed.

The language of the pertinent statute in mind is more than one hundred years old, enacted at a time when there was no provision for a proceeding under section 4915, R. S., as there is today. It is my hope that Congress may see fit to provide, in the event section 4915 remains on the statute books, that appeals to this court and comparable proceedings in the District of Columbia courts will be made to work more in harmony and involve substantially the same procedure.

It is unfortunate, to my way of thinking, that an appellant may appeal here and get an invalid patent because the Board of Appeals gave the wrong reasons for rejection whereas if he moves under section 4915 the trial judge is empowered to say there is no invention and deny the applicant's claims. This is an anomaly that should be legislatively cured and I am not intimating that we can do anything about it.

PATENT SUITS

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,916,905, W. Woodfine, Margin regulator for typewriters, filed Mar. 4, 1947, D. C. Conn. (New Haven), Doc. 2031, *Royal Typewriter Co., Inc., v. Remington Rand, Inc.* Doc. 2032, *Royal Typewriter Co., Inc., v. L. C. Smith & Corona Typewriters, Inc.*

1,978,682, R. J. Marvin, Measuring instrument, filed Jan. 8, 1947, D. C., S. D. Calif. (Los Angeles), Doc. 6192–WM, *W. W. Ward et al. v. D. F. Dunham.*

2,016,597, M. L. Drake, Tooth cleaning and gum stimulating device, filed Feb. 15, 1947, D. C., N. D. Ohio, E. Div., Doc. 24725, *M. L. Drake v. The Ransom & Randolph Co.*

2,083,442, L. C. Gardner, Humidifying display cabinet, included by counterclaim Jan. 30, 1947, D. C., S. D. Ohio, W. Div., Doc. 1619, *C. V. Hill Co., Inc., v. Royal Store Equipment Distributors et al.*

2,123,709, Bristow & Strong, Therapeutic light ray apparatus, D. C., S. D. Calif., C. Div., Doc. 2526–*y*, *F. H. Bowers et al. v E. J. Rose Mfg. Co. of Calif. et al.* Case dismissed for want of prosecution Feb. 18, 1947.

2,168,735, F. M. Gilstrap, Method of cementing wells; 2,177,172, E. V. Crowell, Apparatus for cementing wells; 2,223,442, same, Apparatus and method for cementing wells, filed Jan. 31, 1947, D. C., S. D. Calif., C. Div., Doc. 6368–B, *Baker Oil Tools, Inc., v. E. V. Crowell.*

2,173,048. (See 2,255,232.) 2,173,050. (See 2,255,232.)

2,173,051. (See 2,255,232.) 2,177,172. (See 2,168,735.)

2,191,691. (See 2,255,232.) 2,221,661. (See 2,255,232.)

2,223,442. (See 2,168,785.)

2,224,412, S. V. Smith, Perforation cleaner for oil wells, filed June 13, 1946, D. C., S. D. Calif. (Los Angeles), Doc. 5471 P–H, *B. & B. Oil Tool Co. v. Fletcher Bailer Service et al.*

2,248,293. (See 2,255,232.)

2,255,232, A. D. Stern, Support for a sound record film; 2,265,960, W. L. Woolf, Construction of sound record film; 2,173,050, same, Sound recording; 2,259,715, same, Sound record; 2,191,691, same, Indexing, and finding means for sound recording and reproducing machines; 2,221,661, same, Speed control for sound record medium; 2,319,282, same, Sprocket for feeding film; 2,330,855, same, Method of splicing organic plastic film; 2,828,597, same, Controlling device for sound record film; 2,173,048, Von Madaler & Woolf, Portable sound recording and sound reproducing machine; 2,173,051, same, Recording head and process of recording; 2,292,856, Woolf & Steed, Precision positioning means for sound heads; 2,248,293, same, Sound record film; 2,294,854, E. L. Steed, Control means for sound recording and reproducing machine; 2,259,631, H. Flood, Jr., Sound recording device, filed Jan. 20, 1947, D. C., S. D. N. Y., Doc. 39/744, *Recordgraph Corp. v. Frederick Hart & Co., Inc.*

2,259,631. (See 2,255,232.) 2,259,715. (See 2,255,232.)

2,265,960. (See 2,255,232.) 2,292,856. (See 2,255,232.)

2,294,854. (See 2,255,232.)

2,295,437, L. L. Thompson, Sampling device, filed Mar. 4, 1947, D. C., S. D. Tex. (Houston), Doc. 2566, *Thompson Tool Co. v. W—K—M Co., Inc.*

2,319,282. (See 2,255,232.)

2,321,041, G. K. Porter, Rotameter construction; 2,323,320, K. K. Fischer, Rotameter, filed Mar. 4, 1947, D. C., E. D. Pa., Doc. 7041, *Fischer & Porter Co. v. Brooks Rotameter Co. et al.*

2,321,883, L. D. Young, Display box cover, filed Mar. 6, 1947, D. C. R. I., Doc. 769, *Douglas Young, Inc., v. Shaw-Randall Co.*

2,323,320. (See 2,321,041.) 2,328,597. (See 2,255,232.)

2,330,855. (See 2,255,232.)

2,345,548. (See Re. 20,969.)

2,353,986. (See Re. 20,969.)

2,381,663, L. L. Greneker, Display head, D. C., S. D. N. Y., Doc. 36/775, *The Greneker Corp. et al. v. Thornwood Display Studio.* Stipulation of dismissal with prejudice Feb. 28, 1947.

2,388,134. (See Re. 20,969.)

2,407,342, J. Nachman, Sewing machine, filed Feb. 26, 1947, D. C., S. D. N. Y., Doc. 40/410, *H. Flanzer v. Fairsea Novelty Co.*

Re. 20,969, J. Reichel, Lyophilic biologically active substances and process of producing same; 2,345,548, Flosdorf & Stokes, Method and apparatus for desiccating sera, biologicals, and other materials; 2,353,986, C. H. Barr, Preservation; 2,388,134, E. W. Flosdorf, Biological apparatus, container and method, filed Mar. 4, 1947, D. C., N. D. Calif., S. Div., Doc. 26970–R, *Lyophile-Cryochem Corp. et al. v. Cutter Laboratories, Inc.*

T. M. 235,931, Chas. Chipman's Sons Co., Inc., Hosiery; T. M. 391,172, Industrial Undergarment Corp., Slips; T. M. 416,187, same, Ladies' slips, petticoats, briefs, shorts, etc., D. C., W. D. Mich. (Grand Rapids), Doc. 937, *Stardust, Inc., v. Fleck's, Inc.* Decree granting injunction Mar. 1, 1947.

T. M. 314,493 (*a*), J. L. Younghusband, Lipstick and rouge; T. M. 407,797, Associated Distributors, Lipstick, rouge, anti-perspirant, deodorant, eye-lash, etc.; T. M. 426,323, Consolidated Cosmetics, Perfume, cologne, lipstick, face powder, etc., filed Feb. 28, 1947, D. C. N. J., Doc. 9793, *Consolidated Cosmetics v. P. S. Willingmyre et al.*

T. M. 314,493 (*b*), J. L. Younghusband, Lipstick and rouge; T. M. 407,797, Associated Distributors, Lipstick, rouge, anti-perspirant, deodorant, eye-lash, etc.; T. M. 343,897, same, Anti-perspirant, lipstick, rouge, etc.; T. M. 426,323, Consolidated Cosmetics, Perfume, cologne, lipstick, face powder, etc., D. C., N. D. Ill., E. Div., Doc. 47c102, *Consolidated Cosmetics v. Lee Specialties Co.* Injunction granted Jan. 24, 1947.

T. M. 343,897. (See T. M. 314,493 (*b*).)

T. M. 391,172. (See T. M. 235,931.)

T. M. 407,797. (See T. M. 314,493 (*a*) and (*b*).)

T. M. 416,187. (See T. M. 235,931.)

T. M. 426,323. (See T. M. 314,493 (*a*) and (*b*).)

TRADE-MARK REGISTRATIONS CANCELED

117,780. Oranges, lemons, grapefruit and tangerines. Randolph Marketing Co., Los Angeles, Calif. Registered July 31, 1917. Canceled Mar. 18, 1947.

118,115. Electric batteries. The Usona Manufacturing Company, Toledo, Ohio. Registered Aug. 14, 1917. Canceled Mar. 12, 1947.

194,274. Cleanser for floors, walls, tile, cement, woodwork, etc., United Chemical Companies, Kansas City, Mo. Registered Jan. 20, 1925. Canceled Mar. 18, 1947.

234,207. Orthodichlorbenzene and solvents for leather dyes. Monsanto Chemical Works, St. Louis, Mo. Registered Oct. 18, 1927. Canceled Mar. 12, 1947.

294,498. Liquefied natural gas. Philgas Company, Bartlesville, Okla. Registered May 31, 1932. Canceled Mar. 12, 1947.

384,377. Dolls. Ideal Novelty & Toy Company, Long Island City, N. Y. Registered Jan. 14, 1941. Canceled Mar. 18, 1947.

417,255. Frozen fresh deciduous fruits, berries and vegetables; etc., Panda Frosty Foods, Los Angeles, Calif. Registered Oct. 16, 1945. Canceled Mar. 18, 1947.

425,869. Misses' dresses. Moe Feinberg and Moe Wiesen, New York, N. Y. Registered Dec. 3, 1946. Canceled Mar. 12, 1947.

NOTICES

Disclaimers

2,177,172.—*Erd V. Crowell*, Los Angeles, Calif. Apparatus for Cementing Wells. Patent dated Oct. 24, 1939. Disclaimer filed Feb. 19, 1947, by the inventor.

Hereby enters this disclaimer to claims 14, 15, 16, 19, and 20.

2,182,048.—*William B. Elmer*, Winchester, Mass. Electric Heat Controller. Patent dated Dec. 5, 1939. Disclaimer filed Mar. 13, 1947, by the inventor.

Hereby enters this disclaimer to claim 17 in said specification.

2,223,442.—*Erd V. Crowell*, Glendale, Calif. Apparatus and Method for Cementing Wells. Patent dated Dec. 3, 1940. Disclaimer filed Feb. 19, 1947, by the inventor.

Hereby enters this disclaimer to claims 13 and 14.

2,291,143.—*Cicero C. Brown*, Houston, and *Robert L. Carruthers*, Beaumont, Tex. Bradenhead. Patent dated July 28, 1942. Disclaimer filed Mar. 6, 1947, by the assignee, *Cicero C. Brown*.

Hereby enters this disclaimer to claims 2 and 3 of said patent.

2,370,736.—*Linus E. Kittredge*, Port Washington, N. Y. Telephone System. Patent dated Mar. 6, 1945. Disclaimer filed Mar. 5, 1947, by the assignee, *Bell Telephone Laboratories, Incorporated*.

Hereby enters this disclaimer to claims 6, 7, 8, 9, and 10 of said patent.

2,408,356.—*Waldo W. Willard*, Schenectady, N. Y. Sighting Mechanism. Patent dated Sept. 24, 1946. Disclaimer filed Mar. 11, 1947, by the assignee, *General Electric Company*.

Hereby disclaims claims 13, 53, 54, 55, 56, and 57.

T. M. 358,996.—*Wm. T. Knott Company, Inc.*, New York, N. Y. Women's Wear—Namely, Shoes of Leather, Rubber, and Fabric, and Combinations Thereof, Slips, Pajamas, Negligees, Etc. Registered July 26, 1938; disclaimer filed Feb. 7, 1947, by the registrant.

Hereby disclaims the item "dresses" now appearing in the list of goods of said registration.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed.

Pat. 2,362,690, L. J. Fichter and B. A. Schwarz, Tuning mechanism, decided Jan. 21, 1947, claims 9 and 10.

Pat. 2,394,327, P. F. Niessen and A. R. Cox, Method of making cellular rubber articles, decided Mar. 6, 1947, claims 1, 2, and 3.

Notice of Cancellation

U. S. Patent Office, *Washington, D. C., Mar. 4, 1947.*

Georges Gay, his assigns or legal representatives, take notice:

A cancellation proceeding has been instituted by this Office upon the application of John T. Stanley Co., Inc., 642 West 30th St., New York, N. Y., to effect the cancellation of trade-mark registration of Georges Gay, No. 294,685, dated June 7, 1932. The assignment records of this Office show a transfer of title to this registration to Maurice Levy, 120 West 42nd St., New York, N. Y., who has been substituted for said Gay to defend the registration concerned. It is indicated upon the record on behalf of the assignee that M. Dunan, 56 Rue de L'Universite, Paris, France, is the present owner of registration No. 294,685. The Office has been unable to procure service upon said M. Dunan. Notice is hereby given that unless said Gay, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the Official Gazette for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Owens-Corning Fiberglas Corporation is the record owner of the following twelve patents which relate to glass fibers, glass fiber products, and their manufacture. These patents are registered as Nos. 5,359–5,370, inclusive, and are available for licensing on reasonable terms to any prospective manufacturer who can meet reasonable requirements of financial responsibility.

Pat. 1,771,216. Insulating Body of Spun Glass. Patented July 22, 1930. Superimposed layers of glass fibers, the fibers being substantially parallel in the individual layers and the fibers of one layer disposed at an angle to the fibers of adjacent layers, the respective layers being relatively movable. Group 32—29.

Pat. 1,875,491. Manufacture of Spun Glass. Patented Sept. 6, 1932. Bushing having parallel spaced apart heating elements disposed within the bushing along opposite sides of the row of orifices. Group 32—29.

Pat. 1,923,183. Filament Spinning Apparatus. Patented Aug. 22, 1933. Making crimped or wavy glass fibers by permanently corrugating them or otherwise changing their outline form during their production, and apparatus for carrying out such process. Group 32—29.

Pat. 1,950,219. Spun Glass Method and Apparatus. Patented Mar. 6, 1934. Making rope-like masses of glass filaments by drawing a mass of filaments from a body of

molten material and dividing the mass of filaments into segregated, rope-like bodies. Group 32—29.

Pat. 1,954,732. Method and Apparatus for Making Glass Yarn. Patented Apr. 10, 1934. Glass melting receptacle of metal having a relatively high electrical conductivity and a bridge or bar within the receptacle extending from end to end thereof. Group 32—29.

Pat. 2,175,226. Insulating and Weather Resistant Materials. Patented Oct. 10, 1939. Insulated roofing shingles in which a base of impervious weather resistant material has a layer of fibrous glass insulation secured thereto. Groups 29—32; 32—29.

Pat. 2,354,765. Camouflage Fabricating Machine. Patented Aug. 1, 1944. Machine for laying cords of fibrous material onto a backing of wire mesh or the like to make camouflage. Groups 32—29; 35—59.

Pat. 2,371,458. Camouflage Fabricating Machine. Patented Mar. 13, 1945. Machine including pneumatic means for laying cords of fibrous material onto a backing of wire mesh or the like to make camouflage. Groups 32—29; 35—59.

Pat. 2,407,295. Apparatus for Producing Fibrous Glass. Patented Sept. 10, 1946. Apparatus for making glass fibers including a feeder for molten glass having outlet passages that are restricted for a portion of their length. Groups 32—29; 35—59.

Pat. 2,407,456. Method of Producing Fibrous Glass. Patented Sept. 10, 1946. Method of making glass fibers in which the molten glass is fed to the attenuating zone in streams that are cooled at different rates during their passage through different portions of their paths. Groups 32—29; 35—59.

Pat. 2,407,483. Treating Fibrous Glass. Patented Sept. 10, 1946. Treating glass fiber textiles to reduce the diameter of the fibers and make the textiles softer and more flexible. Groups 32—29; 35—59.

Pat. 2,411,326. Making Reinforced Slivers. Patented Nov. 19, 1946. Method of and apparatus for forming reinforced textile slivers by collecting glass fibers in a web and passing a continuous reinforcing strand through the collecting zone to cause the fibers of the web to intertangle about the reinforcing strand. Groups 32—29; 35—59.

The Owens-Corning Fiberglas Corporation is the record owner of the following two patents on inventions which are not directly usable for the manufacture of glass fibers, but which cover the use of glass fibers or glass fiber products in various types of manufactured articles or equipment. These patents are registered as Nos. 5,371 and 5,372 and are available for royalty-free licensing to any prospective manufacturer making request therefor upon payment of a five dollar application fee for each patent.

Pat. 2,403,872. Treatment of Glass Fibers. Patented July 9, 1946. The method of making glass fiber reinforced resinous articles which includes preliminarily sizing a glass fiber fabric with unreacted resin-forming substances and drying the fabric at a temperature insufficient to completely react the substances. Groups 28—51—83; 32—29.

Pat. 2,404,904. Bonding Glass Fabrics to Inorganic Solids. Patented July 30, 1946. Bonding glass fabrics to inorganic bodies such as metal plates by means of superposed layers of vitreous enamels. Groups 28—11; 32—29.

Detailed information may be obtained from Carl G. Staelin, Secretary, Owens-Corning Fiberglas Corporation, Toledo 1, Ohio.

Pat. 2,091,994. Portable Sewing Machine. Patented Sept. 7, 1937. This patent shows an electrically driven foldable sewing machine having "under-arm" space large enough for work on overcoats. The machine is connected to a combined carrying case and base. When collapsed and folded it is completely enclosed, appearing as an attractive carrying case having outside dimensions of less than 8 x 10½ x 2 inches. (Owner) Howard M. Kilpatrick, 11 Park Place, New York 7, N. Y. Group 35—83. Reg. No. 5,373.

Pat. 2,032,369. Lawn or Garden Sprinkler. Patented Mar. 3, 1936. Rotary sprinkler may be placed on the ground to sprinkle long narrow areas, such as a hedge or single row. The sprinkler of substantially L-shape (mounted on a suitable base or stand) has a horizontal rotary hub with vertically positioned radiating arms which rotate in a constant vertical plane. Water is supplied to the arms only when they point upwardly so that successive streams are thrown upwardly and laterally. Sprinkler is devoid of gears or pistons, rotation being caused by reaction. (Owner) Howard M. Kilpatrick, 11 Park Place, New York 7, N. Y. Groups 33—59; 35—22. Reg. No. 5,374.

Pat. 2,342,671. Staple Strip Package. Patented Feb. 29, 1944. This patent shows a method of nesting and packaging strips of frozen staples so that a package will contain about 50% more strips than packages of the same size in which the strips are assembled by other methods. (Owner) Howard M. Kilpatrick, 11 Park Place, New York 7, N. Y. Groups 33—12—41—42. Reg. No. 5,375.

Pat. 2,204,897. Check Controlled and Dispensing Turnstile. Patented June 18, 1940. Groups 25—22; 35—59—73—79. Reg. No. 5,376.

Pat. 2,312,340. Check Controlled and Dispensing Turnstile and Other Device. Patented Mar. 2, 1943. Groups 25—22; 35—59—73—79. Reg. No. 5,377.

These two patents show devices or machines for automatically presenting checks to customers entering restaurants, which automatically block the entrance or ring a bell if a customer fails to take a check. Most of the devices are electrically operated but a modification shows a device which is mechanically operated. (Owner) Howard M. Kilpatrick, 11 Park Place, New York 7, N. Y.

Pat. 2,007,201. Lamp Testing Machine. Patented July 9, 1935. An automatic machine for continuously feeding and testing electric bulbs. The bulbs which receive too much, too little, or no current, as well as those that give off too much or too little light, are separated from the good bulbs and channeled through a separate path of the machine. (Owner) Howard M. Kilpatrick, 11 Park Place, New York 7, N. Y. Groups 35—59; 36—51. Reg. No. 5,378.

Pat. 2,107,299. Latch. Patented Feb. 8, 1938. Group 33—59. Reg. No. 5,379.

Pat. 2,107,300. Jimmyproof Lock-Latch. Patented Feb. 8, 1938. Group 33—59. Reg. No. 5,380.

With practically no increase in cost the inventions of above two patents may be incorporated into standard locks now on the market to render them "jimmy-proof." The head of the latch bolt has a longitudinal recess so that when it is projected into the opening of the striker plate and door jamb a curved member will fulcrum and pivot forwardly and laterally through the recess and snap into place, a deep lateral recess in this member engaging a shoulder or edge of the striker plate. The opening in the striker plate is narrower than that of conventional plates. (Owner) Howard M. Kilpatrick, 11 Park Place, New York 7, N. Y.

Pat. 2,409,957. Signal Flash. Patented Oct. 22, 1946. Signal may be held in a watchman's hand and used at night as a warning at railroad crossings. A removable signboard is connected to a flashlight casing which constitutes the handle. The word "Stop" on each face of the board is disposed between two openings in the board. A bulb of the flashing type is disposed in each opening and enclosed by lenses over opposite ends of the openings. When the switch is closed the signal is visible from both directions. (Owner) Howard Reynolds, 923 West State St., Springfield, Ohio. Group 36—62. Reg. No. 5,381.

Pat. 2,358,139. Sanitary Basin. Patented Sept. 12, 1944. Group 33—61. Reg. No. 5,382.

Pat. 2,409,535. Lavatory and Disinfection Control. Patented Oct. 15, 1946. Group 33—61. Reg. No. 5,383.

Pat. 2,319,034. Sanitary Apparatus. Patented May 11, 1943. Group 33—61. Reg. No. 5,384.

These three patents show apparatus for installation in lavatories to compel a person to disinfect both hands before leaving. As shown in Patent 2,409,535, the lavatory may be divided into two sections by a rail or partition, one section containing the wash basins and the other the remaining toilet facilities. The entrance and exit of the latter section are preferably controlled by turnstiles, the exit turnstile being normally locked. Before a person passes through the exit he must put both hands down into a disinfectant basin near the exit and push two plungers. This releases a spray of disinfectant over the hands and simultaneously closes two switches thereby unlocking the exit turnstile. Patent 2,358,139 shows the type of disinfectant basin preferably employed. The basin has an integrally formed container at its top designed to support a large bottle of disinfectant in inverted position. Patent 2,319,034 shows an arrangement in which a disinfectant basin is installed in each individual toilet stall. This basin contains a supply of disinfectant into which a person must submerge both hands to actuate the switches. (Owner) R. F. Bracke & Co., 5462 Elston Ave., Chicago, Ill.

Pat. 2,409,331. Baby Carrier. Patented Oct. 15, 1946. A rigid seat and adjustable shoulder strap used to support and carry a child while a person is standing or walking. The ends of the strap attached to the seat are considerably wider than the rest of strap. A cushioned block or pad attached to the seat is curved to comfortably rest against a person's side. Seat has curved leg depressions at front and back so that child may face either toward or away from person carrying child. All weight is supported from the shoulder and it is only necessary to use one arm to steady child in seat. (Owner) Frederick D. Wood, 3636 Cypress St., Jacksonville 5, Fla. Groups 25—99; 39—81; 40. Reg. No. 5,385.

Des. 115,315. Design for a Wall Clock. Patented June 20, 1939. Design shows a clock in the form of a half axial section of a barrel with suspended beer bottles as the weights and an advertising plaque as the pendulum weight. Beer bottle caps are used as the hour numerals. (Owner) Philip M. Koch, 1758 Mayland St., Philadelphia 38, Pa. Group 34—61; 39—93; 40. Reg. No. 5,386.

Pat. 2,063,604. Electric Bell. Patented Dec. 8, 1936. This patent relates to a motor operated bell adapted for outdoor use as an alarm, church, or school bell. The bell is struck by a pivoted hammer operated by a motor driven trip mechanism which swings and releases the hammer. The trip mechanism includes a pin operating in a slot in connection with a cam mechanism which positions the slot so that the pin may be received. By making the hammer break contact immediately after the stroke, a clear sharp tone is produced. This is made possible by a spring cushioning device engaged and compressed by the hammer. The pressure developed in the device releases the hammer from contact immediately after the stroke. (Owner) Joseph A. Jacob, 8468 Drolet St., Montreal, Quebec, Canada. Group 36—62. Reg. No. 5,387.

Pat. 2,409,180. Fastening Device. Patented Oct. 15, 1946. A cold rivet type fastening device. Composed of two elements—a rivet element and a flat wedge pin with a cylindrical outer end for a snug fit in kerf of shank of rivet element. Device is inserted in registering holes of the two members to be joined and pressure exerted upon enlarged head of rivet element. This drives the rivet through registering openings, telescoping the two elements. Will drive properly even if holes are not positioned exactly coaxial. Easily withdrawn with a claw hammer. (Owner) Charles E. Annett, II, Box 847, Short Hills, N. J. Group 33—12—91. Reg. No. 5,388.

Pat. 2,408,160. Exercising and Game Apparatus. Patented Sept. 24, 1946. Two weights covered with leather, canvas or like material are joined by a strip or band of same material as weight covers. These may be used as apparatus for exercising the foot or leg or used as a game. (Owner) Leo G. Brunner, 2828 North Downer Ave., Milwaukee 11, Wis. Group 39—41—49. Reg. No. 5,389.

Pat. 2,406,893. Garment. Patented Sept. 3, 1946. A strapless brassière comprised of segments joined along vertical seams with flexible stays attached therein along curved seams which join side and front sections. (Co-owner) Elizabeth T. Nunn, 4434 Lorain Ave., Cleveland 13, Ohio. Group 23—42. Reg. No. 5,390.

Pat. 2,186,009. Poultry Cage. Patented Jan. 9, 1940. This patent features a poultry cage, or a battery of cages, each of which is maintained in sanitary condition with little handling. Each cage has a front feed box and a drinking cup, the water level of which is kept constant by a float-controlled tank. The floor, or "egg basket" is inclined so that newly laid eggs roll toward the front of the basket, being protected against damage by sponge rubber cushions. The "egg baskets" are arranged over a series of sheet metal pans which receive droppings. These pans are connected to a chain and sprocket arrangement which includes a yoke for reversing the position of the pans. As the pans pass from lower to upper tiers the lip of one pan scrapes the face of the other so that the face of the pans are kept scraped. A small motor is used to move the pans. (Co-owner) Burton W. Phelps, North Haven, Conn. Group 33—49. Reg. No. 5,391.

Pat. 2,108,828. Advertising Device. Patented Feb. 22, 1938. A frame used as an advertising device attached near upper end and at right angle to straps used by passengers in public conveyances for support. Frame has slots in sides for inserting display cards. (Owner) Frederick W. Quidas, 615 Third Ave., New York 16, N. Y. Group 39—93. Reg. No. 5,392.

Pat. 2,206,919. Scale for Compounding Formulas and Other Purposes. Patented July 9, 1940. Group 35—74. Reg. No. 5,393.

Pat. 2,360,384. Weighing Scale. Patented Oct. 17, 1944. Group 35—74. Reg. No. 5,394.

The above two patents relate to a scale for compounding a mixture in definite proportions and in proper sequence. Comprises a pedestal with a removable tray at one end. An indicium plate at other end is detachably mounted in slots in scale-beam. Top edge of plate has a series of notches proportioned to the weights of ingredients. The plates are interchangeable and have formulas printed on both sides. Weight is moved along the plate and balanced by material poured into the tray. May be used for different systems of weight such as metric, troy, or avoirdupois. (Owner) Frederick W. Quidas, 615 Third Ave., New York 16, N. Y.

Pat. 2,407,026. Awning. Patented Sept. 3, 1946. This awning is comprised of sheet metal sections or the like and supported on a fixed frame for slidable movement. The sections are moved by a flexible cable or chain, the operation being similar to that of Venetian blinds. When in retracted position the sections are nested, protruding only six inches from the top of the window frame to which they are attached so that they offer little wind resistance. This feature enables them to remain in place during the entire year. (Owner) Herman Mashmeyer, 30 East 15th St., Jacksonville 6, Fla. Groups 25—63; 33—73. Reg. No. 5,395.

Pat. 2,409,804. Milk Pail Attachment. Patented Oct. 22, 1946. Detachable milk pail cover of rubber or like material used for sanitary purposes. Upper portion is formed with conical extensions having holes at ends that fit around teats of cow. Extensions also have openings into which hands are placed for milking. Lower side of cover has flap-covered opening used for pouring milk from pail without detaching cover. (Owner) Archie C. Schwenker, 1316 North 40th St., Lincoln 3, Nebr. Group 30—51. Reg. No. 5,396.

Pat. 2,407,507. Basket. Patented Sept. 10, 1946. A flower basket made of sheet metal or the like. May be hung on the arm while picking flowers. A removable grid fits over top of basket and is sprung into position by buckling downwardly and slipping down-turned fingers on wires over edges of end walls. A smaller grid rests on bottom of basket. Flowers are inserted through both grids. When flowers have a lot of foliage top grid may be removed by depressing center of grid and springing the fingers past upper edges of wall. Water may be placed in bottom of container. (Owner) Luther L. Mitchell, P. O. Box 51, Anniston, Ala. Groups 33—49; 40. Reg. No. 5,397.

Pat. 2,278,326. Eyecup. Patented Mar. 31, 1942. A paper eyecup having a flexible rim is used as an insert in a tightly fitting plastic or metal outer container. Openings for the thumb and forefinger are provided in the outer container so that the paper cup may be pressed to force a solution into the eye and cause a certain amount of circulation thus giving better cleaning and medicating action. (Owner) Edward J. Leonard, 244 Main St., Derby, Conn. Groups 26—28—83—99; 33—73; 39—16; 40. Reg. No. 5,398.

Pat. 2,410,368. Baby Play Pen. Patented Oct. 29, 1946. This play pen features rounded corners instead of the conventional square corners. The top and bottom rails are made in sections, fitted together by tongue and groove arrangement and held together by a flexible material such as leather or rubber. The crib is foldable, has the usual posts, floor boards, rollers, etc. The shape helps protect children from injuries by eliminating sharp corners. (Owner) Milroy G. Stackhouse, 1827 Twenty-Ninth Ave., South, Birmingham, Ala. Group 25—13. Reg. No. 5,399.

Pat. 2,399,112. Lawn Sprinkler. Patented Apr. 23, 1946. This invention relates to a lawn sprinkler. A pipe is laid beneath surface of ground. A valve controlled piston within pipe is vertically movable by water pressure and causes sprinkler heads carried by piston to be elevated above lawn surface. A spring surrounds lower portion of piston and engages shoulder in cylinder. Pressure of water holds spring under compression while sprinkler operates. When not in use heads recede beneath surface of lawn and do not interfere with the use of lawn mowers or the like. (Owner) Clarence D. Glover. Address correspondence to Arthur Minnick, 4625 Euclid Blvd., Tampa, Fla. Group 33—59. Reg. No. 5,400.

Pat. 2,279,968. Server. Patented Apr. 14, 1942. This patent relates to a server particularly adapted for removing cake and pastry of delicate texture without causing the slices to break or crumble. Consists of a wedge-shaped blade with an extension at an obtuse angle to form a handle. Blade and handle are notched to form a tongue. Tongue is used to serve small pieces while main body of blade is used for larger pieces. (Owner) Ellen Amelia Calahan, 1406 Railroad St., Georgetown, Tex. Groups 34—54; 40. Reg. No. 5,401.

Pat. 2,410,627. Toy. Patented Nov. 5, 1946. A toy air glider may be made of paper, cardboard or some flexible sheet material. Has two parts which are stapled or glued together. Made to resemble various birds, airplanes, or other objects. Crease lines on wings provide a certain amount of flexibility and permit toy to travel a considerable distance when thrown into the air. May be manufactured at small cost and shipped flat by folding the wings. (Owner) Arthur Brand, 1767 Townsend Ave., Bronx 53, N. Y. Groups 26—99; 39—41; 40. Reg. No. 5,402.

Pat. 2,250,105. Pressing Rack. Patented July 22, 1941. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Ties and other clothing placed in position on this rack are held between plates which apply pressure and remove wrinkles. The rack has a number of parallel bars, horizontally arranged, and a latch which enables the rack to be held in any adjustable position. Articles may be removed without disturbing the order of those remaining on rack. (Owner) Harry Platnik, 4837 3rd St., N. W., Washington 11, D. C. Group 33—73. Reg. No. 5,403.

Pat. 2,400,610. Multiple Purpose Card Table Accessory. Patented May 21, 1946. A novel accessory for a card table. Comprised of two identical boxes with removable glass trays, closed by one detachable lid. Aligned sockets in ends of boxes accommodate removable pencils which serve as connecting dowels. When lid is detached it serves as a score-pad backing and the W-shaped metal clip at end supports the pad. Each section of box will store a deck of cards and serve as an ash tray when cards are removed. (Owner) Morley Skinner, 802 South Armstrong, Kokomo, Ind. Group 32—39; 40. Reg. No. 5,404.

Pat. 2,409,729. Differential Locking Means. Patented Oct. 22, 1946. A device for locking the differential of an automobile so that equal power can be applied to rear wheels. A roller is attached between a pair of cam surfaces on connecting rod between the front wheel spindles. The roller is carried by a spring pressed rod which operates clutch elements and connects the rear axles. The rear wheels may be driven simultaneously for forcing the vehicle away from an icy or muddy spot. This locking device is disengaged when the front wheels are turned to the right or left and permits the usual differential to function. (Owner) E. T. Barron, 816 West 36th St., Minneapolis 8, Minn. Group 38—31. Reg. No. 5,405.

Pat. 2,324,856. Maternity Nightgown. Patented July 20, 1943. A slip-on maternity nightgown. Provided with an elastic neck band and elastic waist band adjustable by tying ribbons at front so garment hangs in attractive folds. Inexpensive to manufacture, simple in construction. (Owner) Dorothy H. Leary. Address correspondence to Harold G. Manning, 24 Central Ave., Waterbury, Conn. Group 23—41. Reg. No. 5,406.

Pat. 2,410,901. VIAL OPENING DEVICE. Patented Nov. 12, 1946. This cutting tool provides a safe method of opening vials as a substitute for method in which a small file is used. A pair of handles, pivotally connected at one end and provided with finger grips not unlike those of shears at the other end includes a pair of straight raised jaws. One of the jaws has a number of bevelled notches on its inner face, the other jaw has a channeled face fitted with a number of rotatable disks which confront the notched jaw. When placed in the device, the vial is given a half-turn so that the bevelled edges sever the neck of the vial. Modifications shown. (Owner) Jesse J. Ramsey, 625 Thirty-Eighth St., Cairo, Ill. Group 39—15. Reg. No. 5,407.

Pat. 2,170,067. FISHING LURE. Patented Aug. 22, 1939. A combination sinker and spreader. The sinker is cylindrical and has a permanently embedded, inverted V-shaped bail. A number of loops in the bail serve as guides for the snells and the line, the line being led through the central guide and attached so that the sinker is held in a horizontal position. On the underside of the sinker are a number of flukes or tines which act to stir up the under-surface or bottom and lure the fish to the baited hooks as well as to prevent the line from becoming entangled in seaweed. The lure is of simple construction and the manner of attaching the line makes it extremely sensitive to nibbles. (Owner) George Stephen, 101–26 114th St., Richmond Hill, N. Y. Group 39—49. Reg. No. 5,408.

Pat. 2,409,791. CROQUIGNOLE IRON. Patented Oct. 22, 1946. An automatically controlled electric curling iron. Continuously heated during use at an even temperature so that wave is given in less time than with the conventional iron of this type. Comprises a pair of heavy crossed jaw sections pivoted together. One jaw is arcuate shaped in cross section to receive other jaw, which is hollow and supports the heating element. A thermostatic control on cord controls heat. This iron is intended for use in giving croquignole waves or similar treatments. (Owner) Jessie Pope, 3919 Eighth St., Ecorse 18, Mich. Group 36—21. Reg. No. 5,409.

Pat. 2,313,535. BITE REGISTERING DEVICE. Patented Mar. 9, 1943. This dental instrument, or bite registering device supports impression material on the buccal side of the dental arches so that the tongue does not interfere with the impression operation. Wax impression material is held on the looped ends of a pair of curved bows. The bows have straight stem portions, one of the pair carrying a pair of sleeves attached at right angles to receive the rods or pins of a separate sleeve in which the other bow is slidably received. The instrument can be adjusted to any size mouth or dental arch and to any position to obtain an accurate bite registration. (Owner) E. C. Giltzke, D. D. S., 918 Professional Bldg., Kansas City 6, Mo. Group 39—17. Reg. No. 5,410.

TRADE-MARKS

OFFICIAL GAZETTE, APRIL 8, 1947

[VOL. 597. No. 2]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 495,542. FURANE PLASTICS AND CHEMICALS COMPANY, Los Angeles, Calif. Filed Jan. 28, 1946.

PLASPREG RESIN

The word "Resin" is disclaimed apart from the mark.

FOR LIQUID RESINS FOR CASTING AND IMPREGNATING STRUCTURAL MATERIAL.

Claims use since Jan. 16, 1946.

Ser. No. 505,124. J. L. PEPPARD, Kansas City, Mo. Filed July 5, 1946.

AF11

FOR FIELD CORN SEED AND SWEET CORN SEED.

Claims use since May 1, 1939.

Ser. No. 505,125. J. L. PEPPARD, Kansas City, Mo. Filed July 5, 1946.

TXI

FOR FIELD CORN SEED AND SWEET CORN SEED.

Claims use since May 1, 1940.

Ser. No. 505,126. J. L. PEPPARD, Kansas City, Mo. Filed July 5, 1946.

25

FOR FIELD CORN SEED AND SWEET CORN SEED.

Claims use since May 1, 1937.

Ser. No. 505,127. J. L. PEPPARD, Kansas City, Mo. Filed July 5, 1946.

W16

FOR FIELD CORN SEED AND SWEET CORN SEED.

Claims use since May 1, 1942.

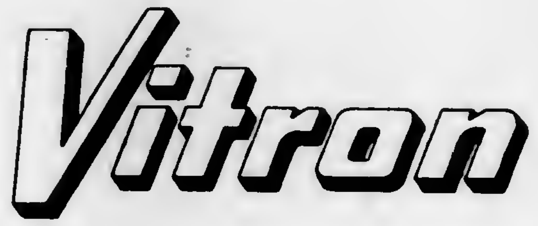
Ser. No. 505,128. J. L. PEPPARD, Kansas City, Mo. Filed July 5, 1946.

25A

FOR FIELD CORN SEED AND SWEET CORN SEED.

Claims use since May 1, 1939.

Ser. No. 513,147. THE VITRON CORPORATION, Wilmington, Del. Filed Oct. 24, 1946.



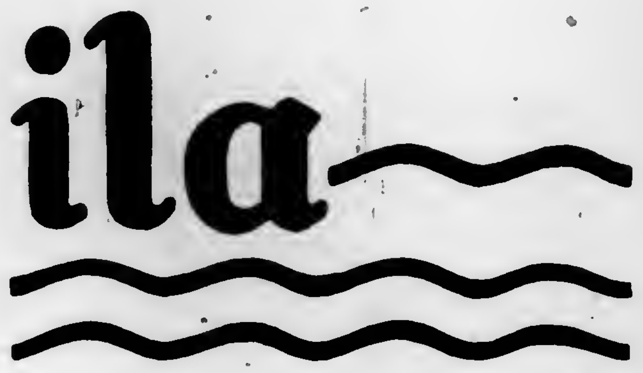
FOR GLASS FIBERS.

Claims use since Sept. 24, 1946.

CLASS 2

RECEPTACLES

Ser. No. 494,419. AMERICAN NEEDLECRAFTS, INC., New York, N. Y. Filed Jan. 8, 1946.



FOR HANDKERCHIEF CASES, LINGERIE CASES, COSMETIC CASES, AND EYEGLASS CASES.

Claims use since 1929.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 504,277. K. Kaufmann & Co., Inc., Newark, N. J. Filed June 20, 1946.

TRIP-AIDER

FOR TRAVELING BAGS, SUIT CASES, AND PORTABLE WARDROBE CASES, AND FITTING CARRIERS THEREFOR.
Claims use since May 29, 1946.

Ser. No. 507,203. Luce Manufacturing Company, doing business as Lucky Tripper Luggage Company, Kansas City, Mo. Filed Aug. 10, 1946.

Lucky Tripper

FOR LUGGAGE—NAMELY, HAT BOXES, VANITY CASES, OVERNIGHT CASES AND SUITCASES.
Claims use since May 1943.

Ser. No. 511,509. Sears, Roebuck and Co., Chicago, Ill. Filed Oct. 25, 1946.

Kerrybrooke

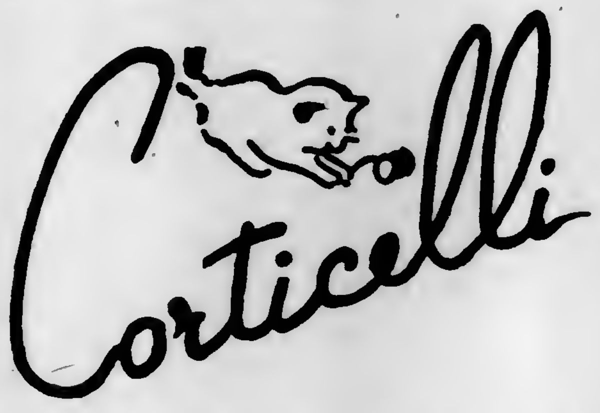
FOR WOMEN'S HANDBAGS, BILLFOLDS, KEY CASES, AND COIN CASES.
Claims use since Jan. 15, 1946, on handbags; and since July 15, 1946, on billfolds, key cases, and coin cases.

Ser. No. 511,547. Fishbein & Co., Inc., New York, N. Y. Filed Oct. 26, 1946.

RENAL

FOR LADIES' AND MISSES' HANDBAGS.
Claims use since Nov. 1, 1945.

Ser. No. 511,789. Belding Heminway Company, New York, N. Y. Filed Oct. 31, 1946.



FOR WOMEN'S LEATHER AND PLASTIC HANDBAGS.
Claims use since Aug. 1, 1946.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 503,215. Packers Tar Soap, Inc., Mystic, Conn., and New York, N. Y. Filed June 3, 1946. Under 10-year proviso.

PACKER'S

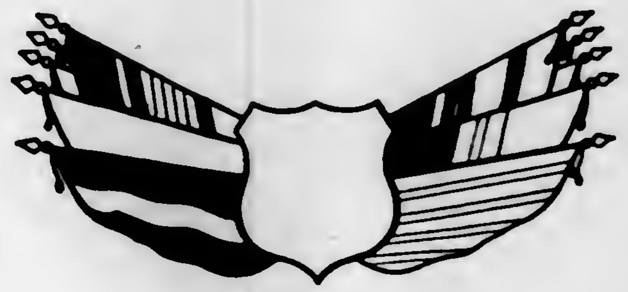
FOR SOAP.
Claims use since Oct. 1, 1877.

Ser. No. 503,216. Packers Tar Soap, Inc., Mystic, Conn., and New York, N. Y. Filed June 3, 1946. Under 10-year proviso.

PACKER'S TAR SOAP

FOR SOAP.
Claims use since about Oct. 1, 1877.

Ser. No. 503,660. Packers Tar Soap, Inc., Mystic, Conn., and New York, N. Y. Filed June 11, 1946.



FOR SOAP.
Claims use since 1911.

Ser. No. 503,804. Detrex Corporation, Detroit, Mich. Filed June 13, 1946.

PER-EX

FOR CLEANING SOLVENT FOR REMOVING GREASE AND FOR A SOLVENT FOR DEGREASING METAL PARTS AND THE LIKE.
Claims use since Feb. 27, 1946.

Ser. No. 503,936. Primrose House, Inc., New York, N. Y. Filed June 14, 1946.

Chiffon

FOR TOILET SOAP.
Claims use since Sept. 15, 1938.

Ser. No. 515,982. Albert L. Fessler, doing business as Klee Laboratories, Indianapolis, Ind. Filed Apr. 12, 1946.

KLEE

FOR EYEGLASS CLEANER, WHICH CAN BE USED FOR CLEANING OTHER GLASS SURFACES OR THE LIKE.
Claims use since Feb. 8, 1946.

CLASS 6

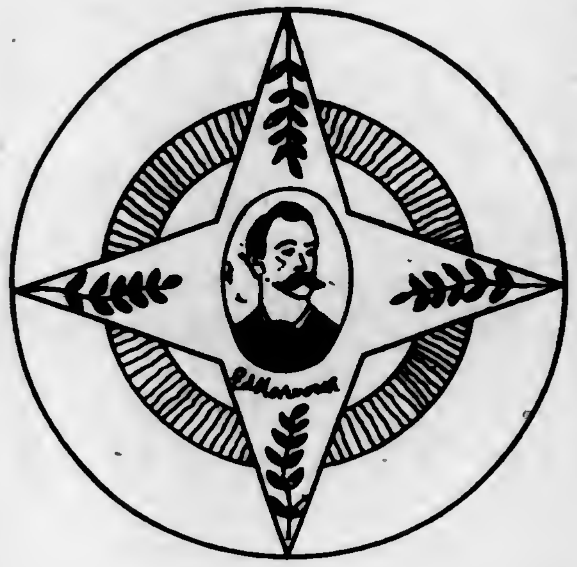
CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 478,727. Weleda, Inc., New York, N. Y. Filed Jan. 17, 1945.

Summer Woods

FOR TOILETRIES, AND COSMETICS—NAMELY, PERFUME, COLOGNE, TOILET WATER, SACHET POWDERS, AND SACHET CREAMS, DUSTING POWDER, BATH OILS, AND FACE POWDER.
Claims use since October 1944.

Ser. No. 480,769. Hoxworth and Hoxworth, doing business under the name "Ed Hoxworth," Waco, Tex. Filed Mar. 10, 1945.



The signature appearing on the drawing is that of Ed Hoxworth, the person whose portrait is shown on the drawing, now deceased.
FOR SALVE FOR SORES, ERUPTIONS OF THE SKIN, AND ESPECIALLY PILES.
Claims use since Jan. 1, 1896.

Ser. No. 484,740. Gordon-Lacey Chemical Products Co., New York, N. Y. Filed June 19, 1945.

SYNTRON

FOR PLASTIC COATING COMPOUNDS FOR PAPER TO INCREASE ITS RESISTANCE AND ADD TO ITS APPEARANCE; PLASTIC COATING COMPOUNDS FOR WOOD TO INCREASE ITS RESISTANCE TO OIL, ALCOHOL AND CHEMICALS; PLASTIC COATING COMPOUNDS FOR METAL TO PROTECT SAME AGAINST WEAR, CORROSION AND CHEMICAL FUMES AND ENHANCE ITS APPEARANCE; PLASTIC COATING COMPOUNDS FOR CLOTH TO MAKE IT WATERPROOF, INCREASE ITS RESISTANCE TO CHEMICALS AND TO GIVE IT HEAT-SEALING QUALITIES.
Claims use since Mar. 15, 1945.

Ser. No. 485,942. Cooperative Seed & Farm Supply Service, Inc., Richmond, Va. Filed July 18, 1945.

C-C DUST

No claim is made to the word "Dust" apart from the mark.
FOR MIXTURE OF INGREDIENTS FOR MAKING INSECTICIDES AND FUNGICIDES.
Claims use since Jan. 8, 1945.

Ser. No. 486,383. The Philom Company, Canton and Akron, Ohio. Filed July 27, 1945.

PHILOM

FOR SKIN PROTECTING COMPOUND.
Claims use since Apr. 29, 1945.

Ser. No. 486,865. Lionel F. Orr, doing business as The Lionel-Lube Company, Hamden, Conn. Filed Aug. 7, 1945.

LIONEL — LUBE

No claim is made to "Lube" apart from the mark.

FOR RESIDUE-ELIMINATING CHEMICAL ADDITIVES FOR MOTOR FUELS AND HYDROCARBON OILS.
Claims use since July 15, 1944.

Ser. No. 488,202. Cutico, Inc., Orange, N. J. Filed Sept. 10, 1945.

Cutiso

FOR TOILET PREPARATIONS—NAMELY, A LIQUID PREPARATION FOR CONDITIONING AND/OR REMOVING CUTICLE ABOUT THE NAILS OF THE HANDS OR FEET.
Claims use since Mar. 27, 1945.

Ser. No. 489,127. R. H. Laird Manufacturing Company, Inc., doing business under the trade name and style of Rose Laird, New York, N. Y. Filed Sept. 28, 1945.

Young Skin

The exclusive use of the word "Skin" is disclaimed apart from the mark.

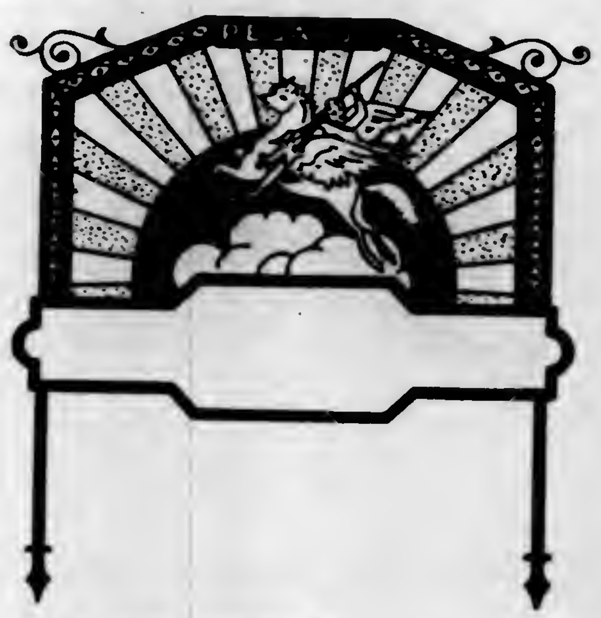
FOR SCALP LOTION, OVERNIGHT OINTMENT, GREASELESS LUBRICANT USED TO RELIEVE, SOOTH AND SOFTEN THE SKIN, PROTECTIVE MAKE-UP FILM, OILY SKIN CREAM, BASE CREAM, GREASELESS DEODORANT, AND PROTECTIVE LOTION.
Claims use since Sept. 23, 1938.

Ser. No. 491,375. William R. Warner & Co., Inc., New York, N. Y. Filed Nov. 9, 1945.

OMNISOL

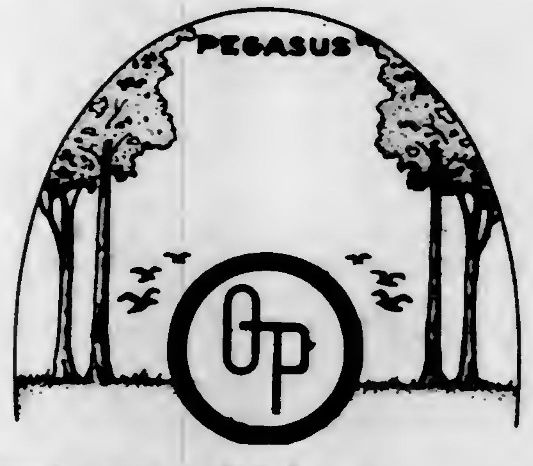
FOR PRESCRIPTION VEHICLE FOR THE SOLUTION AND/OR SUSPENSION OF ACTIVE DRUGS.
Claims use since Oct. 29, 1945.

Ser. No. 493,252. Columbia Chemical Company, New Orleans, La. Filed Dec. 14, 1945.



FOR BLEACHING COMPOUND.
Claims use since Sept. 28, 1945.

Ser. No. 493,253. Columbia Chemical Company, New Orleans, La. Filed Dec. 14, 1945.



FOR PINE OIL DISINFECTANT.
Claims use since Sept. 28, 1945.

Ser. No. 494,551. The Firestone Tire & Rubber Company, Akron, Ohio. Filed Jan. 10, 1946.

TARDEX

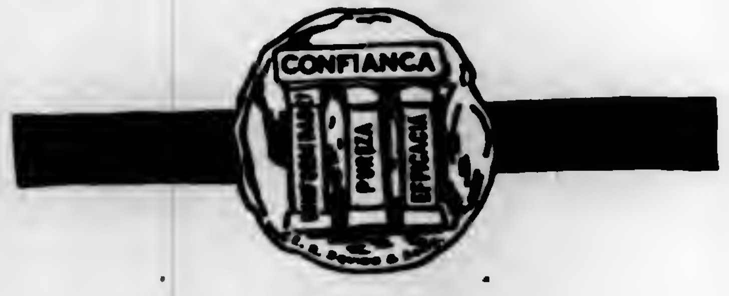
FOR ACCELERATORS FOR THE VULCANIZATION OF NATURAL AND SYNTHETIC RUBBERS.
Claims use since Mar. 6, 1930.

Ser. No. 494,932. Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Filed Jan. 17, 1946.

ANTALLERGAN

FOR MEDICINAL PREPARATION COMPRISING A SYNTHETIC ANTIHISTAMINE PRODUCT CORRESPONDING CHEMICALLY TO N-DIMETHYL-AMINO-ETHYL-N-BENZYLANILINE HYDROCHLORIDE FOR THE TREATMENT OF URTICARIA, QUINCKE'S EDEMA, CERTAIN FORMS OF PRURITIS, SEROUS CONDITIONS, ANAPHYLACTIC, TRAUMATIC, OPERATIVE OR MEDICINAL SHOCKS, BURNS, ASTHMA, HAY-FEVER, MIGRAINE AND ECZEMA DUE TO HYPERSENSITIVITY.
Claims use since Aug. 31, 1943.

Ser. No. 497,747. E. R. Squibb & Sons, New York, N. Y. Filed Mar. 6, 1946. Under 10-year proviso as to "Squibb."



SQUIBB

No registration rights are claimed for any individual words, except "Squibb" and "E. R. Squibb & Sons." The trade-mark consists of three elements: (1) the representation of a seal having thereon (a) occupying the central and major part thereof, the representation of three columns supporting a capstone, the first, second, and third column and capstone respectively bearing the words, "Uniformidade," "Pureza," "Efficacia," and "Confiança," and (b) along the lower edge thereof, the firm name "E. R. Squibb & Sons"; (2) a transverse band extending from both sides of the representation of a seal; and (3), below the representation of a seal, the abbreviated company name "Squibb." On most species of applicant's goods the field of the seal is golden or golden brown and everything shown as black in the drawing is brown, but other colors are also employed.

FOR VARIOUS CHEMICALS, MEDICINES, DRUGS, DIETARY SUPPLEMENTS, ANTISEPTICS, GERMICIDES, AND BIOLOGICAL, BACTERIAL, PHARMACEUTICAL, TOILET, AND VETERINARY PREPARATIONS IN VARIOUS FORMS, SUCH AS TABLETS, LOZENGES, WAFERS, POWDERS, PASTES, OINTMENTS, LINIMENTS, SYRUPS, ELIXIRS, TINCTURES, EXTRACTS, FLUID EXTRACTS, SOLUTIONS, MIXTURES, COMPOUNDS, INCLUDING DERIVATIVES, COMBINATIONS, AND PREPARATIONS THEREOF, SPECIFICALLY ASCORBIC ACID, BISMUTH SUBSALICYLATE, CHORIONIC GONADOTROPIN, CHLORHYDROXYQUINOLIN, CYCLOPROPANE, DEHYDROCHOLIC ACID, DENTAL CREAM, DICALCIUM PHOSPHATE, DIETHYLSTILBESTROL, ESTROGENS, ETHER, FERROUS SULFATE, GLYCOCOLL, INSULIN, LIVER EXTRACT, LYMPHOGRANULOMA VENEREUM ANTIGEN, MENADIONE, MILK OF MAGNESIA, NEOARSPHENAMINE, PENICILLIN, SODIUM ASCORBATE, SODIUM BICARBONATE, SODIUM IODIDE, SODIUM IODOBISMUTHITE, SULFADIAZINE, SULFAGUANIDINE, SULFANILAMIDE, SULFARSPHENAMINE, SULFATHIAZOLE, THIAMINE HYDROCHLORIDE, THROMBOPLASTIN, VIOSTEROL, VITAMINS.
Claims use since Apr. 13, 1938; and since 1858 as to "Squibb."

Ser. No. 498,579. Angel P. Brown, Endicott, N. Y. Filed Mar. 20, 1946.

J & P

FOR SKIN OINTMENT FOR EXTERNAL USE FOR TREATING SKIN INFECTIONS, ITCHING, BURNS, CUTS, ECZEMA, SUNBURN, CHAFING, AND PSORIASIS.
Claims use since 1932.

Ser. No. 499,120. S. de Benveniste, Paris, France. Filed Mar. 28, 1946.

FRANCOIS VILLON

Francois Villon was a well-known French lyric poet who died in about the year 1485 A. D.

FOR EAU DE COLOGNE, PERFUMES, FACE POWDERS, LIP STICKS, CREAM ROUGES, CREAM COLOR FOUNDATIONS, BEAUTY CREAMS AND CREAMS FOR THE CARE OF THE SKIN AND OF THE FACE, TOILET LOTIONS, AND MAKE-UP.
Claims use since Nov. 6, 1945.

Ser. No. 499,369. Abbott Laboratories, North Chicago, Ill. Filed Apr. 1, 1946.

POWDALATOR

FOR CONTAINER CHARGED WITH A MEDICAMENT IN DRY COMMINUTED FORM FOR APPLICATION TO LOCALIZED AREAS FOR THE PURPOSE OF ELIMINATING AND/OR PREVENTING THE DEVELOPMENT OF PATHOLOGICAL BACTERIA AS, FOR EXAMPLE, OCCURS IN TOOTH EXTRACTION.
Claims use since Mar. 13, 1946.

Ser. No. 499,667. Specific Pharmaceuticals, Inc., New York, N. Y. Filed Apr. 4, 1946.

LYMETHOL

FOR CHOLAGOGUE AND CHOLERETIC FOR ORAL AND PARENTERAL USE.
Claims use since Feb. 8, 1946.

Ser. No. 499,987. The Bay Chemical Co., Inc., Bay City, Mich. Filed Apr. 11, 1946.

Weedit

FOR CHEMICAL WEED EXTERMINATOR.
Claims use since March 1945.

Ser. No. 500,037. Vigilant Products Company, New York, N. Y. Filed Apr. 11, 1946.

VIGIL

FOR CHEMICAL PREPARATION TO PREVENT TARNISH ON ALL PRECIOUS METALS BY ABSORBING THE VARIOUS ELEMENTS IN THE AIR THAT CAUSE SUCH METALS TO TARNISH.
Claims use since Nov. 13, 1944.

Ser. No. 501,105. Frank Aaron, doing business as Aaron Beauty Supply Company, Brooklyn, N. Y. Filed Apr. 29, 1946.

POMALIN

FOR PACKAGED HAIR POMADE AND DRESSING.
Claims use since Apr. 1, 1937.

Ser. No. 501,224. American Cyanamid & Chemical Corporation, New York, N. Y., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine. Filed May 1, 1946.

ACCOTOX

FOR INSECTICIDES.
Claims use since Apr. 17, 1946.

Ser. No. 502,303. Lambert Vitamine Company, Inc., New York, N. Y. Filed May 17, 1946.

CHAMPS

FOR MULTI-VITAMINS.
Claims use since Apr. 16, 1946.

Ser. No. 502,318. Parfums Corday, Inc., New York, N. Y. Filed May 17, 1946.

FAME

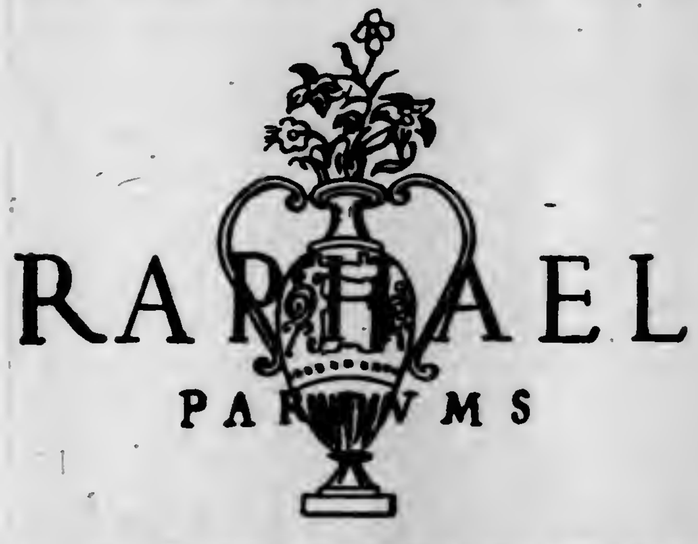
FOR PERFUME, TOILET WATER, BATH POWDER, AND COLOGNE.
Claims use since May 9, 1946.

Ser. No. 502,707. Metal & Thermit Corporation, New York, N. Y. Filed May 24, 1946.

ULTROX

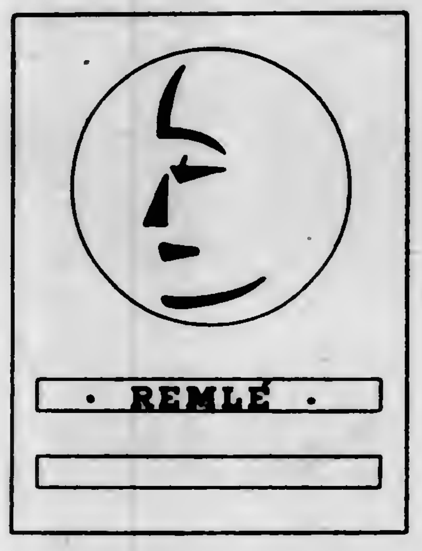
FOR ZIRCONIUM OPACIFIER.
Claims use since Sept. 29, 1943.

Ser. No. 503,379. Raphael Lopez, doing business as Maison Raphael, Paris, France. Filed June 6, 1946.



The word "Parfums" is disclaimed apart from the mark.
FOR PERFUMES, TOILET WATERS, ROUGE, LIPSTICK, AND FACE CREAMS.
Claims use since 1936.

Ser. No. 503,834. Imogene Shepherd, Ltd., Chicago, Ill. Filed June 13, 1946.



Applicant disclaims the outline of the label.
FOR OIL USED BEFORE AND AFTER SHAVING AND AS A NAIL OIL AND HAND LOTION, SHAMPOO AND PERMANENT WAVE LOTION.
Claims use since July 7, 1936.

Ser. No. 505,006. Rejuvia Beauty Laboratories, Inc., New York, N. Y. Filed July 2, 1946.

"BULL'S I"

FOR PERFUME, TOILET WATER, PERFUMED SACHET, FACE POWDER, BATH POWDER, BATH SALTS, COLOGNE, CAKE MAKE-UP, LIPSTICK, ROUGE, BRILLIANTINE, BUBBLE BATH, CREAM POWDER BASE, EYE MASCARA, TALCUM POWDER, EYEBROW PENCIL, HAND CREAM, HAND LOTION, WATER SOFTENER, BLEACH CREAM, FRECKLE CREAM, CHEMICALS ADAPTED FOR THE REMOVAL OF CUTICLES, DEPILATORY, EYE SHADOW, EYE LOTION, FACIAL MASK, LEG MAKE-UP, NAIL POLISH, NAIL POLISH BASE COAT, NAIL POLISH REMOVER, CHEMICALS ADAPTED FOR APPLICATION TO THE SKIN FOR THE PREVENTION OF SUNBURN, SHAMPOO AND HAIR WAVE LOTION.
Claims use since June 14, 1946.

Ser. No. 505,007. Rejuvia Beauty Laboratories, Inc., New York, N. Y. Filed July 2, 1946.

"CROSFIRE"

FOR PERFUME, TOILET WATER, PERFUMED SACHET, FACE POWDER, BATH POWDER, BATH SALTS, COLOGNE, CAKE MAKE-UP, LIPSTICK, ROUGE, BRILLIANTINE, BUBBLE BATH, CREAM POWDER BASE, EYE MASCARA, TALCUM POWDER, EYEBROW PENCIL, HAND CREAM, HAND LOTION, WATER SOFTENER, BLEACH CREAM, FRECKLE CREAM, CHEMICALS ADAPTED FOR THE REMOVAL OF CUTICLES, DEPILATORY, EYE SHADOW, EYE LOTION, FACIAL MASK, LEG MAKE-UP, NAIL POLISH, NAIL POLISH BASE COAT, NAIL POLISH REMOVER, CHEMICALS ADAPTED FOR APPLICATION TO THE SKIN FOR THE PREVENTION OF SUNBURN, SHAMPOO, AND HAIR WAVE LOTION.
Claims use since June 14, 1946.

Ser. No. 505,178. Bergman Laboratory, Houston, Tex. Filed July 8, 1946.

Coldten

FOR MEDICINE IN CAPSULE FORM FOR TREATMENT OF COMMON COLDS.
Claims use since June 7, 1946.

Ser. No. 505,689. Etablissements Rigaud Inc., New York, N. Y. Filed July 16, 1946.

SPIRALE

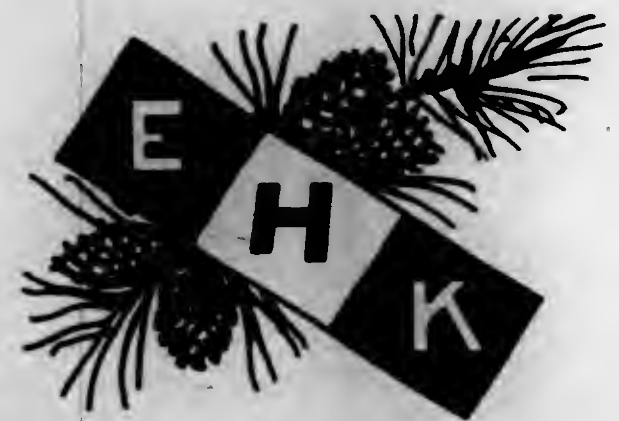
FOR PERFUMES AND TOILET WATERS.
Claims use since June 14, 1946.

Ser. No. 505,764. Monsanto Chemical Company, St. Louis, Mo. Filed July 17, 1946.

AGRITINE

FOR CHEMICAL PRODUCTS FOR USE IN COMBATING INSECTS AND FUNGI.
Claims use since July 9, 1946.

Ser. No. 505,961. The Kenimer Company, Bishop, Ga. Filed July 20, 1946.



FOR REMEDY FOR ASTHMA.
Claims use since Feb. 20, 1946.

Ser. No. 506,507. Botany Worsted Mills, Passaic, N. J. Filed July 30, 1946.

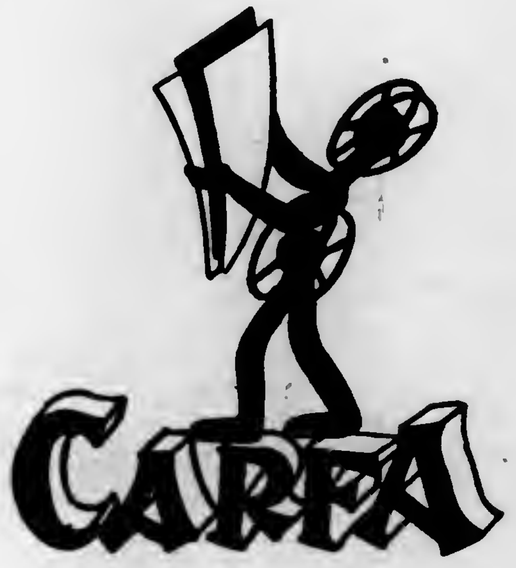
Tickled-
Pink

The word "Pink" is disclaimed apart from the mark.
FOR LIPSTICKS.
Claims use since June 21, 1946.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 500,148. Carfa A. G. Fabrik Chemisch-Technischer Bureaumaterialien, Bern, Switzerland. Filed Apr. 12, 1946.

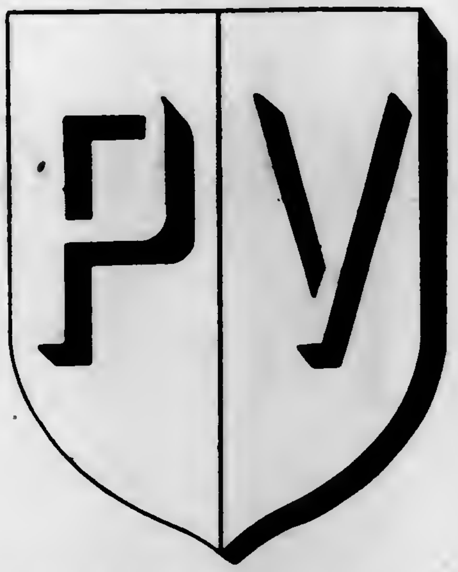


FOR CARBON PAPERS AND TYPEWRITER RIBBONS.
Claims use since June 4, 1934.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 505,936. Canadian Forest Products Limited, New Westminster, British Columbia, Canada. Filed July 2, 1946.



FOR VENEER FOR MAKING PLYWOOD AND PLYWOOD MADE OF LAMINATED VENEERS.

Claims use since Dec. 1, 1939.

Ser. No. 506,710. The Union Metal Manufacturing Company, Canton, Ohio. Filed Aug. 1, 1946.

UNIONMETAL

The word "Metal" is disclaimed apart from the mark.

FOR METAL TRAFFIC LIGHT STANDARDS; ORNAMENTAL METAL STREET, BRIDGE AND FLOOD LIGHTING EQUIPMENT INCLUDING STANDARDS, COLUMNS, BRACKETS, BASES AND FOUNDATIONS; METAL BUILDING AND PORCH COLUMNS; ENTRANCE STANDARDS, NEWELS AND BRACKETS; BRIDGING MEMBERS FOR BUILDING CONSTRUCTION; TUBULAR METAL PILES AND PILE SHELLS; CORRUGATED SHEET PILING; CORRUGATED STEEL PILE SHELLS; SECTIONAL METAL RETAINING WALL UNITS; AND RADIO TOWERS, NOT INCLUDING ELECTRICAL EQUIPMENT.

Claims use on metal traffic light standards since 1927; on ornamental metal street, bridge and flood lighting equipment since Apr. 12, 1927; on metal building and porch columns since July 5, 1907; on entrance standards, newels and brackets since 1920; on bridging members since 1938; on tubular metal piles and pile shells since Oct. 12, 1932; on corrugated sheet piling since 1940; on corrugated steel pile shells since 1940; on sectional metal retaining wall units since 1944; and on radio towers since 1940.

Ser. No. 510,923. All Aluminum Door Company, Chicago, Ill. Filed Oct. 16, 1946.

AL-A-DOR

The term "Dor" is disclaimed apart from the mark.

FOR GARAGE DOORS.

Claims use since June 1, 1946.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 489,988. The Rieger Manufacturing Co., Miamisburg, Ohio. Filed Oct. 15, 1945.

The word "Spin" is disclaimed apart from the mark as a whole.

FOR LAWN SPRINKLERS.

Claims use since Nov. 29, 1944.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 496,215. The Duriron Company, Inc., Dayton, Ohio. Filed Feb. 8, 1946.

CHLORIMET

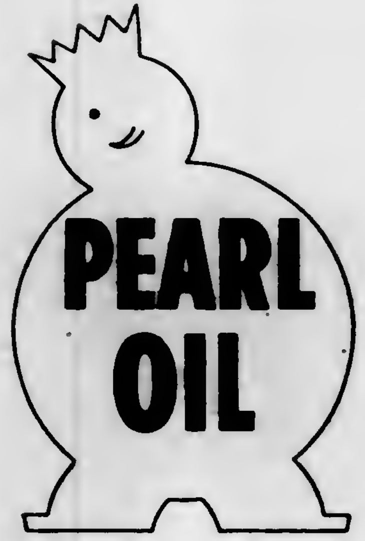
FOR NICKEL ALLOYS AND UNFINISHED ARTICLES MADE THEREFROM.

Claims use since Dec. 19, 1945.

CLASS 15

OILS AND GREASES

Ser. No. 503,228. Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif. Filed June 3, 1946.

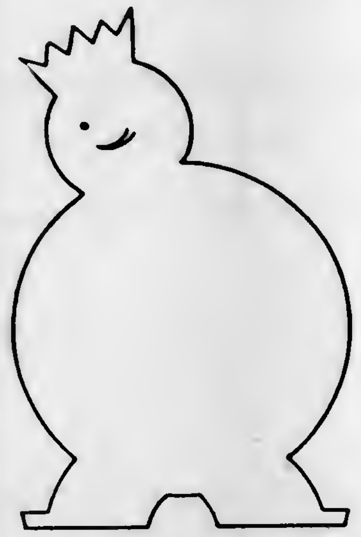


Applicant disclaims the word "Oil" apart from the mark.

FOR HEATING AND ILLUMINATING OILS—NAMELY, PETROLEUM OIL FOR HEATERS, COOK STOVES, AND LAMPS, AND KEROSENE.

Claims use since 1884.

Ser. No. 503,229. Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif. Filed June 3, 1946.



FOR HEATING AND ILLUMINATING OILS—NAMELY, PETROLEUM OIL FOR HEATERS, COOK STOVES AND LAMPS, AND KEROSENE.

Claims use since Mar. 26, 1946.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 498,056. The Davidson Chemical Corporation, Baltimore, Md. Filed Mar. 12, 1946.

FENDIX

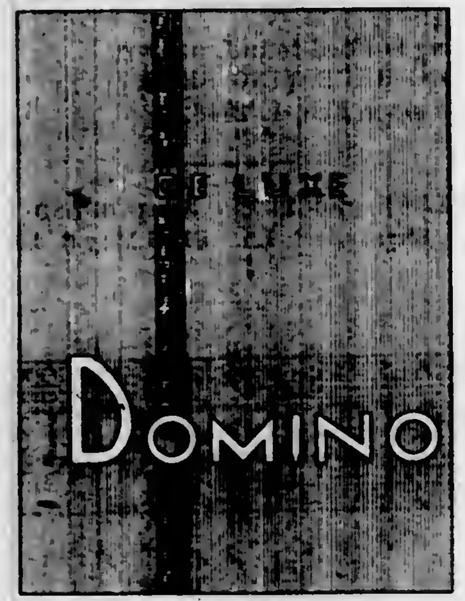
FOR CAR BODY UNDERCOATING AND SOUND DEADENER IN THE NATURE OF PAINT.

Claims use since Jan. 31, 1946.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 500,090. Larus & Brother Company, Inc., Richmond, Va. Filed Apr. 12, 1946.

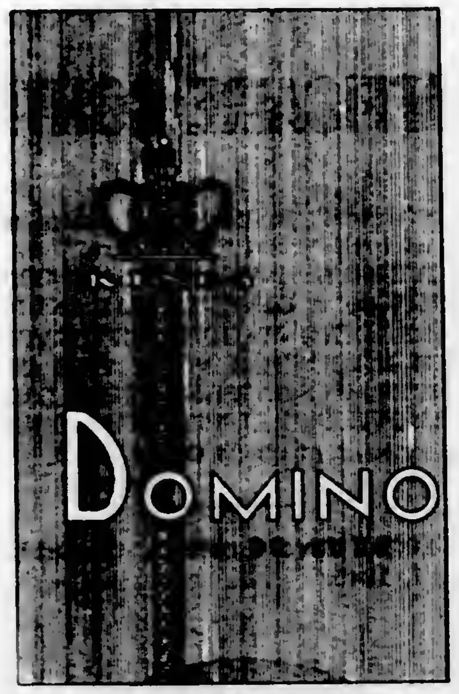


No claim is made to the term "De Luxe" or to the partial representation of the label colored red apart from the mark. The lining on the drawing is intended to denote the colors red and gold.

FOR CIGARETTES.

Claims use since 1885 as to the word "Domino"; and since Feb. 20, 1946, as to the mark as a whole.

Ser. No. 500,091. Larus & Brother Company, Inc., Richmond, Va. Filed Apr. 12, 1946.



No claim is made to the term "De Luxe,"; the word "Kings" or the partial representation of the label colored red apart from the mark. The drawing is lined for the colors red and gold.

FOR CIGARETTES.

Claims use since 1885 as to the word "Domino"; and since Feb. 20, 1946, as to the mark shown.

CLASS 19

VEHICLES

Ser. No. 500,887. Link Aviation Devices, Inc., Fenton, N. Y., now by change of name Link Aviation, Inc. Filed Apr. 25, 1946.

LINKANOE

FOR CANOES.

Claims use since Apr. 1, 1946.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 462,383. Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., now by change of name Westinghouse Electric Corporation, a corporation of Pennsylvania. Filed July 28, 1943.

AMMOGAS

FOR METAL HARDENING ELECTRIC FURNACES AND AMMONIA DISSOCIATORS FOR CONTROLLING THE CHEMICAL COMPOSITION OF THE ATMOSPHERE IN THE HEAT TREATING CHAMBERS IN SUCH FURNACES.

Claims use since on or about May 5, 1943.

Ser. No. 462,996. KOHL-STILWELL ENGINEERING COMPANY, Cleveland and Cincinnati, Ohio, assignor to William E. Stilwell, Jr., Cincinnati, Ohio. Filed Aug. 25, 1943.

TRAFFICAIRE CONTROL

The word "Control" is disclaimed except when used in combination with the word "Trafficaire."

FOR ELECTRICAL APPARATUS FOR CONTROLLING THE POSITION OF A DIRECTIONAL INDICATOR FOR AIRCRAFT LANDING WHICH AUTOMATICALLY RELEASES THE INDICATOR FROM THE CONTROL TO THAT OF THE WIND WHEN THE LATTER'S VELOCITY IS ABOVE A PREDETERMINED VELOCITY.

Claims use since on or about Oct. 1, 1942.

Ser. No. 484,062. PYE LIMITED, Cambridge, England. Filed June 1, 1945.

PYE

FOR ELECTRIC TELECOMMUNICATION APPARATUS—NAMELY, RADIO AND TELEVISION TRANSMITTING AND RECEIVING APPARATUS, AND PARTS THEREOF, AND ACCESSORIES; ELECTRIC AMPLIFYING AND SOUND REPRODUCING APPARATUS AND ACCESSORIES — NAMELY RADIOGRAMOPHONES, GRAMOPHONES, ELECTRIC AMPLIFIERS, MICROPHONES, LOUDSPEAKERS AND GRAMOPHONE PICK-UPS; ELECTRIC BATTERIES AND ACCUMULATORS; ELECTRIC OSCILLATION GENERATORS; ELECTRIC DOMESTIC APPLIANCES — NAMELY, ELECTRIC IRONS AND ELECTRIC HEATERS.

Claims use since Mar. 25, 1915, for radio apparatus and parts thereof; since 1925 for electric amplifiers; since Dec. 31, 1929, for electric batteries and accumulators; since 1932 for loudspeakers; since November 1935 for electric oscillation generators; since 1935 for microphones and gramophone pick-ups; since Sept. 1, 1937, for television apparatus and parts thereof; since March 1938 for electric irons and electric heaters.

Ser. No. 491,577. SEBASTIAN W. KNOBLOCK, Los Angeles, Calif. Filed Nov. 14, 1945.

MONOLITH

FOR STORAGE BATTERIES.

Claims use since July 1941.

Ser. No. 496,317. KELLOGG SWITCHBOARD AND SUPPLY COMPANY, Chicago, Ill. Filed Feb. 9, 1946.

MASTERCORD

FOR EXTENSIBLE ELECTRIC CORDS.

Claims use since Nov. 26, 1945.

Ser. No. 496,769. EASTMAN KODAK COMPANY, Flemington, N. J., and Rochester, N. Y. Filed Feb. 18, 1946.

KODACHROME

FOR ELECTRIC ILLUMINATOR FOR TRANSPARENCIES.

Claims use since Mar. 1, 1939.

Ser. No. 497,490. NORTHEASTERN ENGINEERING, INC., Manchester, N. H. Filed Mar. 1, 1946.

Electone

The drawing is lined to indicate red.

FOR RADIO RECEIVING SETS.

Claims use since Feb. 1, 1946.

Ser. No. 501,543. SOUTHERN SWITCH AND SIGNAL COMPANY, INC., Shreveport, La. Filed May 6, 1946.

AUTO-FLOW

The drawing is lined for the colors red, green, and yellow.

FOR ELECTRICAL VEHICULAR AND PEDESTRIAN STREET TRAFFIC SIGNAL LIGHTS AND CONTROLLERS; PEDESTALS, BRACKETS AND MOUNTING FRAMES THEREFOR.

Claims use since Apr. 1, 1946.

Ser. No. 502,581. THE HOBART MANUFACTURING COMPANY, Troy, Ohio. Filed May 22, 1946. Under section 5b of the act of 1905 as amended in 1920 as to "Hobart."

Holart

The drawing is lined to indicate shading only.

FOR ELECTRICALLY OPERATED SAWS FOR SAWING FOOD PRODUCTS INCLUDING MEAT, FOWL, FISH AND BONE, AND PARTS AND SUPPLIES FOR SUCH MACHINES.

Claims use since Feb. 12, 1946.

Ser. No. 502,767. PHELPS DODGE COPPER PRODUCTS CORPORATION, New York, N. Y. Filed May 25, 1946.

[illegible]

FOR INSULATED WIRE.

Claims use since Mar. 13, 1946.

Ser. No. 503,820. JULES L. LIBBY, doing business as Libby Electric Company, Elgin, Ill. Filed June 13, 1946.

Lib-E-Brite

The word "Brite" is disclaimed apart from the mark.

FOR LIGHTING FIXTURES AND ELECTRIC LAMPS—NAMELY, FLUORESCENT LAMPS, COMBINATION FLUORESCENT AND GERMICIDAL LAMPS FOR ILLUMINATING AND BACTERIAL USE, HOLDERS AND FIXTURES, AND PARTS THEREOF, FOR SUCH LAMPS.

Claims use since June 19, 1939.

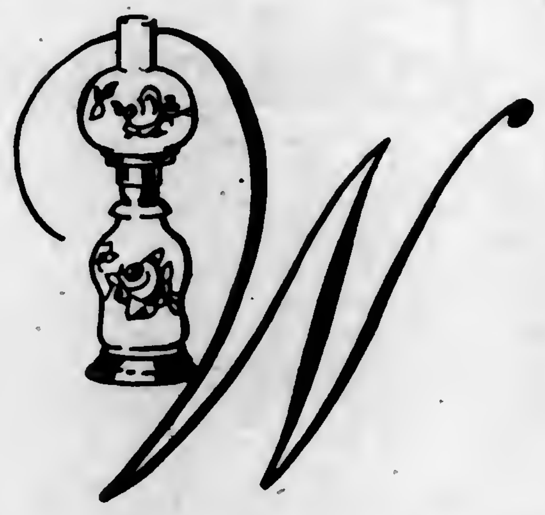
Ser. No. 507,101. DE LISSER MANUFACTURING CORP., New Rochelle, N. Y. Filed Aug. 9, 1946.

FLAM-E-INGO

FOR ELECTRIC HOUSEHOLD APPLIANCES—NAMELY, COMBINATION BROILER AND ROTISSERIE.

Claims use since July 31, 1946.

Ser. No. 507,561. MICHAEL WOLFE, doing business as Michael Wolfe Co., New York, N. Y. Filed Aug. 16, 1946.



VICTORIAN LAMPS
BY WOLFE

No claim is made to the words "Victorian Lamps by Wolfe" nor to the representation of the goods apart from the mark.

FOR ELECTRIC TABLE LAMPS.

Claims use since Sept. 1, 1945.

Ser. No. 508,831. ANACONDA WIRE AND CABLE COMPANY, New York, N. Y. Filed Sept. 11, 1946.

F-3

FOR LEAD AND LEAD ALLOY SHEATHS AND SLEEVES FOR ELECTRIC WIRES AND CABLES, AND FOR LEAD AND LEAD ALLOY SHEATHED ELECTRIC WIRES AND CABLES.

Claims use since July 25, 1946.

Ser. No. 508,860. SHURHIT PRODUCTS, INC., Waukegan, Ill. Filed Sept. 11, 1946.

Shurhit

FOR COIL CONTACTS AND SPRINGS, CONDENSERS, TUNGSTEN POINTED CONTACTS, CAPS, ROTORS, AND SPARK PLUGS, ALL FOR AUTOMOBILE IGNITION SYSTEMS.

Claims use since December 1923.

Ser. No. 509,059. Webster Electric Company, Racine, Wis. Filed Sept. 13, 1946.

Telehome

FOR INTER-COMMUNICATING SOUND AMPLIFYING AND TRANSMITTING SYSTEMS COMPRISING SPEAKERS, AMPLIFIERS, MICROPHONES, INTERCONNECTING CIRCUITS, AND ENERGIZING DEVICES WHEREBY CONVERSATION AT EITHER POINT MAY BE HEARD AT THE OTHER POINT OF COMMUNICATION.

Claims use since Aug. 26, 1946.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 465,486. Quiztick Manufacturing Co., St. Louis, Mo. Filed Dec. 3, 1943.

"QUIZTICK"

FOR QUESTION AND ANSWER GAME.

Claims use since Sept. 1, 1942.

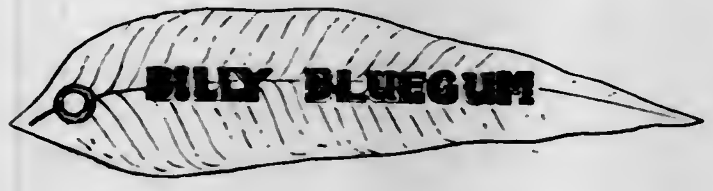
Ser. No. 488,424. Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Filed Sept. 13, 1945. Under the act of February 20, 1905, as amended June 10, 1938.

Hearthstone

FOR DOLLS, TOYS—NAMELY, AUTOMOBILES, BICYCLES, DOLL CARRIAGES, SCOOTERS, VELOCIPEDES, WAGONS, BLOCKS, DOLL HOUSES, BLACKBOARDS, CONSTRUCTION TOYS AND PIANOS, BASEBALLS, BASEBALL BATS, FOOTBALLS, BASKETBALLS, BASEBALL GLOVES, BASEBALL MASKS, CHEST PROTECTORS, SHIN GUARDS, FOOTBALL HIP AND SHOULDER PADS, ICE AND ROLLER SKATES, GOLF CLUBS, GOLF BALLS, CHESS AND CHECKER SETS, PLAYING CARDS, TENNIS RACQUETS, AND TENNIS BALLS.

Claims use since Feb. 13, 1945.

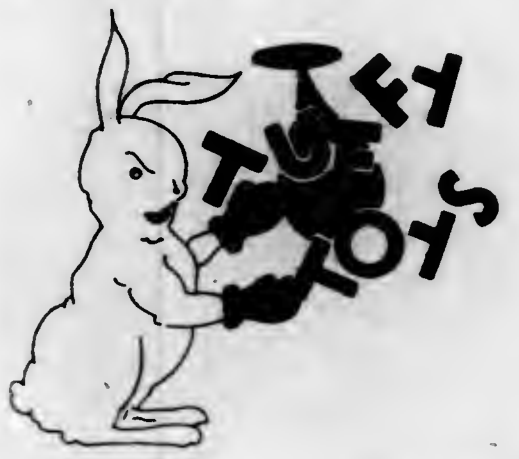
Ser. No. 491,265. J. Jackson & Son, Brisbane, Australia. Filed Nov. 8, 1945.



FOR TOY NATIVE BEARS.

Claims use since Dec. 4, 1931.

Ser. No. 491,754. Dale E. Geiger, doing business as The Dale Geiger Company, Lansing, Mich. Filed Nov. 17, 1945.



The word "Toys" is disclaimed apart from the mark as shown.

FOR PLAYGROUND SLIDES.

Claims use since July 14, 1945.

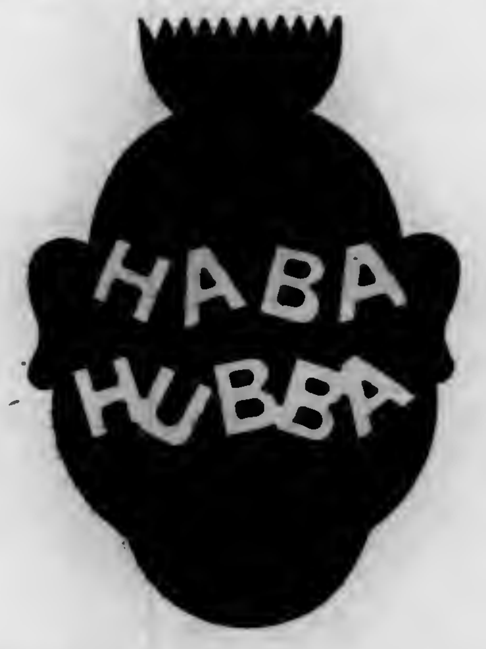
Ser. No. 492,956. Martin Rogen, New York, N. Y. Filed Dec. 8, 1945.

"LITTLE MISS STUFFIT"

FOR CHILDREN'S SEWING AND STUFFING KITS FOR MAKING STUFFED TOYS.

Claims use since May 21, 1945.

Ser. No. 494,688. Ned Lincoln, New York, N. Y. Filed Jan. 12, 1946.



FOR DOLLS.

Claims use since March 1937 as to "Haba Hubba;" and since Dec. 19, 1945, to the mark as a whole.

Ser. No. 494,732. J. W. Young & Sons, Redditch, England. Filed Jan. 12, 1946.

BEAUDEX

FOR FISHING REELS.

Claims use since Feb. 3, 1945.

Ser. No. 494,783. J. W. Young & Sons, Redditch, England. Filed Jan. 12, 1946.

PRIDEX

FOR FISHING REELS.

Claims use since Oct. 28, 1944.

Ser. No. 496,443. Julia Culbreth Gray, Washington, D. C. Filed Feb. 12, 1946.

Bible Story

FOR DOLLS AND DOLL CLOTHING.

Claims use since Jan. 31, 1946.

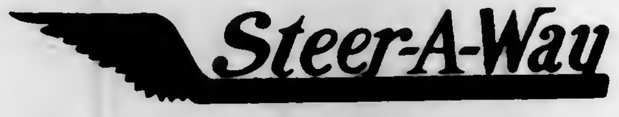
Ser. No. 498,275. Dorzar Toy Studios Inc., New York, N. Y. Filed Mar. 15, 1946.

"NITY - NITE"

FOR TOY LUMINOUS ANIMALS.

Claims use since Nov. 16, 1945.

Ser. No. 498,644. Leon Maybrown, Woodmere, Long Island, N. Y. Filed Mar. 20, 1946.



The word "Steer" is disclaimed apart from the mark.

FOR TOY WAGONS.

Claims use since Aug. 1, 1945.

Ser. No. 498,784. E. S. Lowe Company, Inc., New York, N. Y. Filed Mar. 22, 1946.

Challenger

FOR CHESS BOARDS AND CHESS MEN.

Claims use since Mar. 1, 1946.

Ser. No. 502,512. Leon C. Genero, doing business as Genero Machine Works, Long Beach, Calif. Filed May 21, 1946.

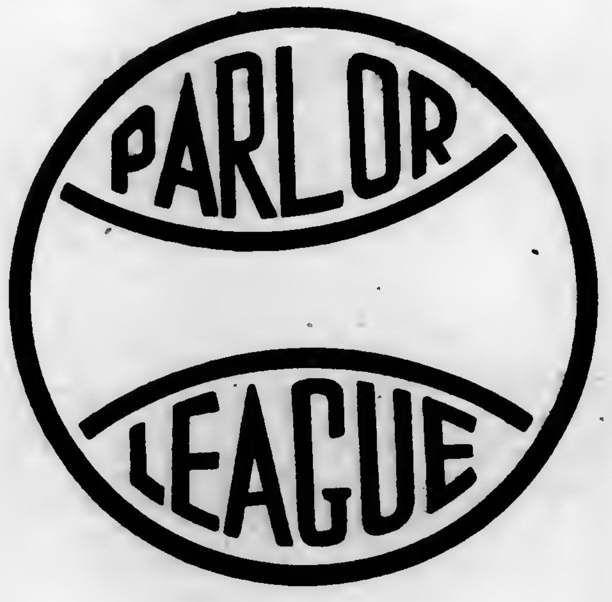
STITCH MISTRESS

The word "Stitch" is disclaimed apart from the mark as shown.

FOR TOY SEWING MACHINES.

Claims use since Feb. 25, 1946.

Ser. No. 506,276. Henry H. Vocke, Chicago, Ill. Filed July 25, 1946.



No claim is made to the word "Parlor" separate and apart from the mark.

FOR GAMES OF THE TYPE WHEREIN DISCS ARE PROPELLED OVER A FLAT PLAYING BOARD AND THE SCORE IS DETERMINED BY THE LOCATION WHERE THE DISCS COME TO REST.

Claims use since Dec. 5, 1945.

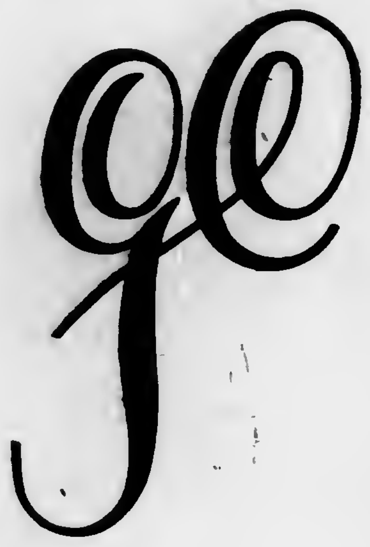
Ser. No. 511,910. The Union Fork & Hoe Company, Columbus, Ohio. Filed Nov. 1, 1946.

SPEEDLINE

FOR ARTIFICIAL FISH BAITS, FISH LURES, FISHING ROD REELS, FISHING LINES, GOLF BAGS, TENNIS RACKET PRESSES, AND TENNIS RACKET CASES.

Claims use since June 1, 1946.

Ser. No. 516,124. Game Creations, Inc., New York, N. Y. Filed Jan. 22, 1947.



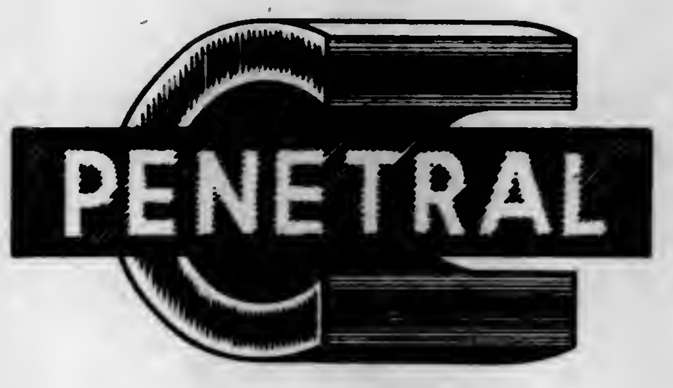
FOR BOARD GAME.

Claims use since Jan. 16, 1947.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 477,605. Follsain Metals Ltd., Lutterworth, near Rugby, England. Filed Dec. 15, 1944.

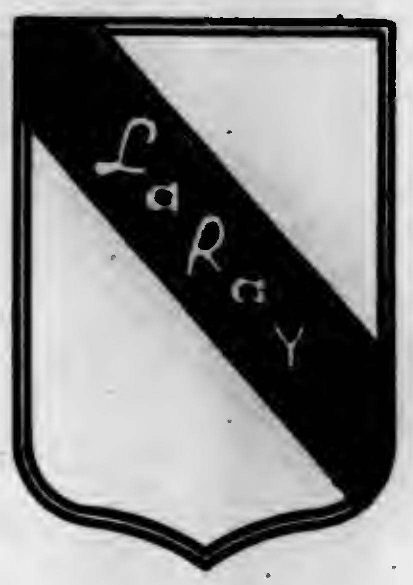


The lining shown in the drawing indicates shading only. Applicant disclaims the right to exclusive use of the cut section of metal tube.

FOR MACHINE BELTS, MACHINE DRUMS, SIEVES FOR SCREENING, BEING PARTS OF MACHINERY, HYDRAULIC MACHINERY SUCH AS HYDRAULIC PUMP BODIES AND VALVES, AND PARTS THEREOF, PARTICULARLY MACHINERY USED IN CONNECTION WITH THE PUMPING OF BRINE, AND MACHINE TOOLS SUCH AS FORGING AND SWAGING MACHINES, ALL BEING GOODS OF METAL.

Claims use since June 1, 1935.

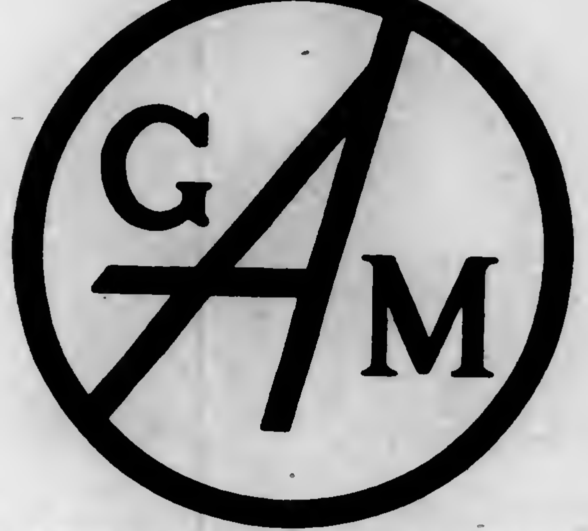
Ser. No. 485,873. La Ray Engineering & Equipment Co., Milwaukee, Wis. Filed July 16, 1945.



FOR GANTRY HOISTS.

Claims use since June 1, 1945.

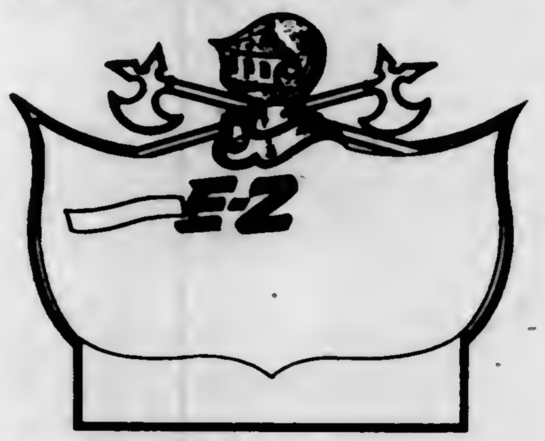
Ser. No. 506,303. General Motors Corporation, Detroit, Mich. Filed July 26, 1946.



FOR RECIPROCATING, JET AND TURBINE ENGINES AND PARTS THEREOF; DIESEL BLOWERS AND PARTS THEREOF; MARINE CLUTCHES AND TRANSMISSIONS AND PARTS THEREOF; HYDRAULIC LIFTS AND PARTS THEREOF.

Claims use since Oct. 31, 1944.

Ser. No. 506,367. Philip H. Buehrle & Son, Inc., Spotswood, N. J. Filed July 27, 1946.



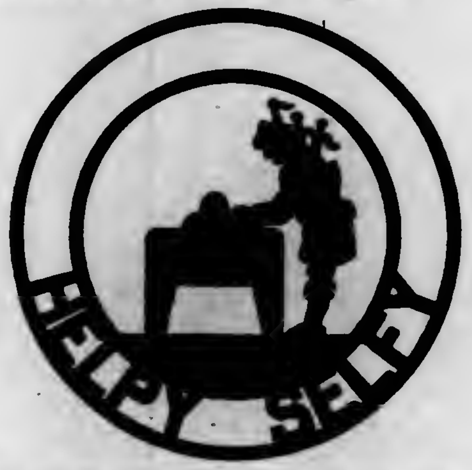
FOR HYDRAULIC JACKS.

Claims use since July 1, 1946.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 502,215. Helpy Selfy Service System, Inc., Ft. Lauderdale, Fla. Filed May 16, 1946.

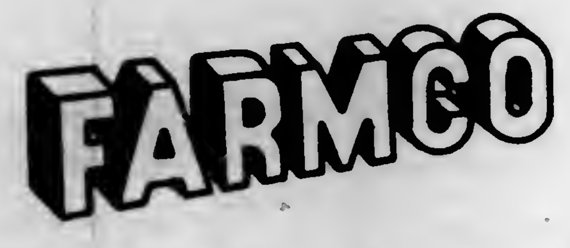


The name "McEwen" and the representation of the goods appearing in applicant's mark, are disclaimed apart from the mark.

FOR CLOTHES WASHING MACHINES AND PARTS THEREOF.

Claims use since July 1, 1945.

Ser. No. 502,631. Farmco, Inc., Jersey City, N. J., and New York, N. Y. Filed May 23, 1946.



FOR HOUSEHOLD TYPE ELECTRIC CLOTHES WASHING MACHINES.

Claims use since Mar. 22, 1946.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 465,691. Plumbing Products Co., Boston, Mass. Filed Dec. 10, 1943.

DANDEE

FOR ANGLE AND STRAIGHT THERMOMETERS, GAUGES—NAMELY, ALTITUDE AND COMPOUND, STEAM, WATER, AND PRESSURE.

Claims use since Oct. 27, 1941.

Ser. No. 473,261. Selas Corporation of America, Philadelphia, Pa. Filed Aug. 14, 1944.

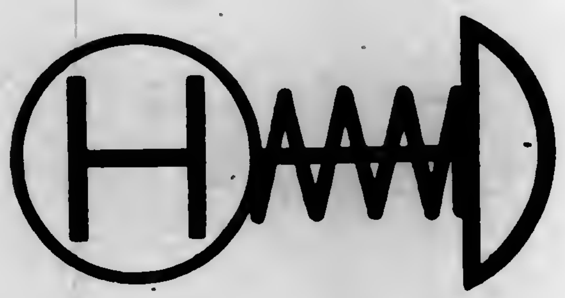
FLO-SCOPE

No claim is made to the word "Flo" apart from the mark.

FOR METER FOR MEASURING AND INDICATING THE FLOW OF FLUIDS.

Claims use since July 1936.

Ser. No. 478,953. Hammel-Dahl Company, Providence, R. I. Filed Jan. 24, 1945.



FOR APPARATUS AND EQUIPMENT AND PARTS THEREOF FOR THE CONTROL OF TEMPERATURE, PRESSURE, RATE OF FLOW AND LIQUID LEVEL—NAMELY, ELECTRIC TANK LEVEL INDICATORS, AIR LIQUID LEVEL INDICATORS, MECHANICAL LIQUID LEVEL INDICATORS, RATE OF FLOW METERS AND PRESSURE MEASURING INSTRUMENTS.

Claims use since May 1, 1941.

Ser. No. 493,877. Aktiebolaget C. E. Johansson, Eskilstuna, Sweden. Filed Dec. 26, 1945.

MIKROKATOR

FOR MEASURING TOOLS—NAMELY, SNAP GAUGES, THREAD GAUGES AND MICROMETERS; AND MEASURING INSTRUMENTS—NAMELY, INDICATOR GAUGES FOR EXTERNAL MEASUREMENTS, INDICATOR GAUGES FOR INTERNAL MEASUREMENTS, INSPECTION GAUGES, INSIDE DIAMETER CHECKING INSTRUMENTS, WIDTH MEASURING INSTRUMENTS, CONCENTRICITY MEASURING AND CHECKING INSTRUMENTS, RIDER INSTRUMENTS FOR CHECKING OUT-OF-ROUNDNESS AND DIAMETERS OF CYLINDRICAL PARTS, DEPTH GAUGES, MICRO HARDNESS TESTING INSTRUMENTS, SURFACE FORM TESTING INSTRUMENTS, SURFACE FINISH TESTING INSTRUMENTS, FLATNESS CHECKING INSTRUMENTS, SPHEROMETERS, EXTENSOMETERS (FOR MEASURING CHANGES IN LENGTH) AND LOAD TESTING INSTRUMENTS.

Claims use since Feb. 19, 1938.

Ser. No. 505,206. Jandor, Incorporated, Dayton, Ohio. Filed July 8, 1946.

SPHERO-LUX

Applicant disclaims any exclusive right to the word "Lux" apart from the mark, as shown.

FOR SPOTLIGHTS FOR USE IN SCIENTIFIC AND MEDICAL LABORATORIES, FOR PRODUCT ILLUMINATION, AND IN GENERAL FOR PHOTOGRAPHIC PURPOSES.

Claims use since May 16, 1946.

Ser. No. 514,072. K. Stenzel & Sons, Inc., New York, N. Y. Filed Dec. 11, 1946.

LOUNGER

FOR SPECTACLE FRAMES AND PARTS THEREOF.

Claims use since Apr. 25, 1945.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 479,585. Manufacture des Montres Universal, Perret et Berthoud SA (Universal Watch Factory, Perret & Berthoud Ltd.), Geneva, Switzerland. Filed Feb. 8, 1945.

COMPAX

FOR WATCHES, STOP WATCHES, ALARM CLOCKS, CLOCKS AND PARTS OF WATCHES AND CLOCKS.

Claims use since Feb. 25, 1944.

Ser. No. 479,587. Manufacture des Montres Universal, Perret et Berthoud SA (Universal Watch Factory, Perret & Berthoud Ltd.), Geneva, Switzerland. Filed Feb. 8, 1945.

TRI-COMPAX

FOR WATCHES, STOP WATCHES, ALARM CLOCKS, CLOCKS AND PARTS OF WATCHES AND CLOCKS.

Claims use since Feb. 10, 1943.

Ser. No. 479,588. Manufacture des Montres Universal, Perret et Berthoud SA (Universal Watch Factory, Perret & Berthoud Ltd.), Geneva, Switzerland. Filed Feb. 8, 1945.

UNI-COMPAX

FOR WATCHES, STOP WATCHES, ALARM CLOCKS, CLOCKS AND PARTS OF WATCHES AND CLOCKS.

Claims use since Feb. 25, 1944.

Ser. No. 497,559. Ollendorff Watch Co. Inc., New York, N. Y. Filed Mar. 2, 1946. Under 10-year proviso as to "Ollendorff."

OLLENDORFF
GOTHAMATIC

FOR HOROLOGICAL INSTRUMENTS—NAMELY, WATCHES AND CLOCKS.

Claims use since Feb. 1, 1946, to the mark as a whole; and since 1868 as to "Ollendorff."

Ser. No. 497,560. Ollendorff Watch Co. Inc., New York, N. Y. Filed Mar. 2, 1946. Under 10-year proviso as to "Ollendorff."

OLLENDORFF
GOTHAMETER

FOR HOROLOGICAL INSTRUMENTS—NAMELY, WATCHES AND CLOCKS.

Claims use since Feb. 1, 1946, to the mark as a whole; and since 1868 as to "Ollendorff."

Ser. No. 505,561. Norman Spencer Dennis, Los Angeles, Calif. Filed July 13, 1946.

PLASTICTOCK

Applicant disclaims the word "Plastic" apart from the mark.

FOR CLOCKS.

Claims use since May 17, 1946.

Ser. No. 506,354. Stolz Freres, S. A. Fabrique d'Horlogerie Angelus, Le Locle, Switzerland. Filed July 26, 1946.

ANGELUS

FOR BOUDOIR, DESK AND MANTEL CLOCKS, WATCHES AND PARTS THEREOF.

Claims use since Mar. 10, 1922.

Ser. No. 507,342. Erwin Rosenthal & Co., New York, N. Y. Filed Aug. 13, 1946.

ROSENTA

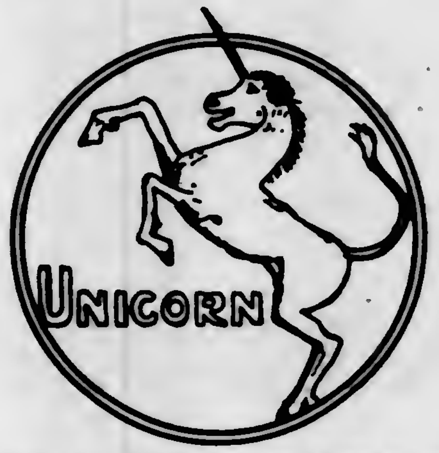
FOR WATCHES AND CLOCKS.

Claims use since June 12, 1946.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 485,897. Unicorn Products Co., New York, N. Y. Filed July 16, 1945.



FOR COSTUME JEWELRY—NAMELY, BROOCHES, PENS, CLIPS, EARRINGS, BRACELETS, FINGER RINGS, AND NECKLACES; AND BUCKLES AND CLASPS MADE OF SEMI-PRECIOUS METAL.

Claims use since June 20, 1945.

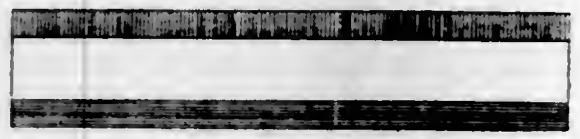
Ser. No. 492,584. Royal Metal Products Company, New York, N. Y. Filed Dec. 3, 1945.

Royalty

FOR TRAY, BOWLS AND BON BON DISHES OF SILVER AND OTHER PRECIOUS AND SEMI-PRECIOUS METAL WARES.

Claims use since Nov. 20, 1945.

Ser. No. 502,908. Marvel Jewelry Manufacturing Co., Providence, R. I. Filed May 28, 1946.



No claim is made to the representation of the card mounts per se. In the drawing the horizontal band at the top of the figure is lined for blue and the horizontal band at the bottom of the figure is lined for red. The center of the design is white.

FOR WATCH BRACELETS, NOT INCLUDING WATCHES.

Claims use since June 1942.

Ser. No. 503,741. Orber Manufacturing Co., Pawtucket, R. I. Filed June 12, 1946.

The PURPLE SAGE

FOR ORNAMENTAL JEWELRY, MADE WHOLLY OR PARTLY OF PRECIOUS OR SEMI-PRECIOUS METALS—NAMELY, BUCKLES, CUFF LINKS, TIE HOLDERS, COLLAR HOLDERS, MONEY CLIPS, CIGARETTE CASES, KEY CHAINS, KNIVES, STICK-PINS, FOBS, BANDANNA SLIDERS OR HOLDERS, TIE SLIDES, PINS, BROOCHES, CHAINS, LOCKETS, COMPACTS, NECKLACES, BRACELETS, ARM BANDS, EARRINGS, AND FINGER RINGS.

Claims use since on or about Feb. 1, 1946.

Ser. No. 505,435. Joseph H. Meyer Bros., Brooklyn, N. Y. Filed July 11, 1946.

Casino

FOR NECKLACES, BRACELETS, FINGER RINGS, JEWELRY CLIPS, BROOCHES, AND EARRINGS.

Claims use since January 1945.

Ser. No. 505,438. Joseph H. Meyer Bros., Brooklyn, N. Y. Filed July 11, 1946.

Magnific

FOR NECKLACES, BRACELETS, FINGER RINGS, JEWELRY CLIPS, BROOCHES, AND EARRINGS.

Claims use since January 1945.

Ser. No. 505,729. Blits Manufacturing Company, Inc., New York, N. Y. Filed July 17, 1946.

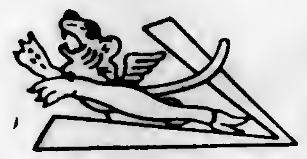
IDEAL PAIR

No claim is made to the word "Pair" apart from the mark as shown.

FOR FINGER RINGS.

Claims use since June 27, 1946.

Ser. No. 506,025. The Flying Tigers (American Volunteer Group—Chinese Air Force) Incorporated, New York, N. Y. Filed July 22, 1946.

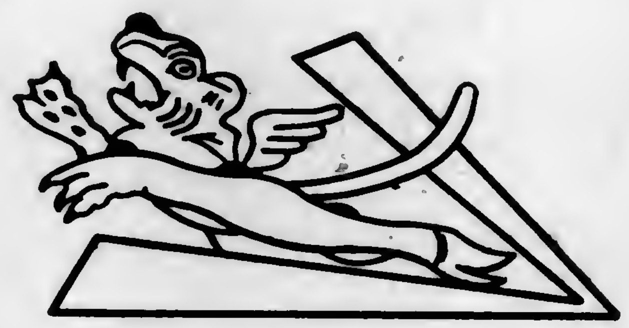


FLYING
TIGERS

FOR JEWELRY FOR PERSONAL WEAR (NOT INCLUDING WATCHES) OF PRECIOUS AND/OR BASE METALS—NAMELY, LAPEL BUTTONS, PINS, CHARMS, BRACELETS, AND THE LIKE.

Claims use since November 1945.

Ser. No. 506,437. The Flying Tigers (American Volunteer Group—Chinese Air Force) Incorporated, New York, N. Y. Filed July 29, 1946.



FOR JEWELRY FOR PERSONAL WEAR (NOT INCLUDING WATCHES) OF PRECIOUS AND/OR BASE METALS—NAMELY, LAPEL BUTTONS, PINS, CHARMS, BRACELETS, AND THE LIKE.

Claims use since November 1945.

Ser. No. 506,438. The Flying Tigers (American Volunteer Group—Chinese Air Force) Incorporated, New York, N. Y. Filed July 29, 1946.

FLYING
TIGERS

FOR JEWELRY FOR PERSONAL WEAR (NOT INCLUDING WATCHES) OF PRECIOUS AND/OR BASE METALS—NAMELY, LAPEL BUTTONS, PINS, CHARMS, BRACELETS, AND THE LIKE.

Claims use since November 1945.

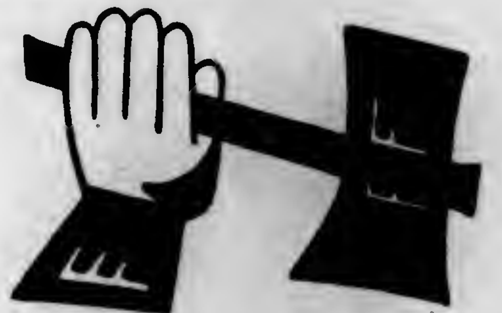
Ser. No. 507,761. Theil-Schoen Co., New York, N. Y. Filed Aug. 21, 1946.

La Madelaine

FOR NON-PRECIOUS AND SEMI-PRECIOUS BROOCH PINS, LAPEL PINS, EARRINGS, CLIP PINS, AND IMITATION PEARL NECKLACES.

Claims use since July 1, 1946.

Ser. No. 507,978. I. Freeman & Son, Inc., New York, N. Y. Filed Aug. 24, 1946.



FOR SILVER FLATWARE AND HOLLOWWARE.
Claims use since Mar. 1, 1946.

Ser. No. 508,177. Joseph H. Meyer Bros., Brooklyn, N. Y. Filed Aug. 28, 1946.

Nacrelon

FOR NECKLACES, BRACELETS, FINGER RINGS, JEWELRY CLIPS, BROOCHES, AND EARRINGS.
Claims use since Aug. 12, 1941.

Ser. No. 508,219. Graben & Bauer, New York, N. Y. Filed Aug. 29, 1946.

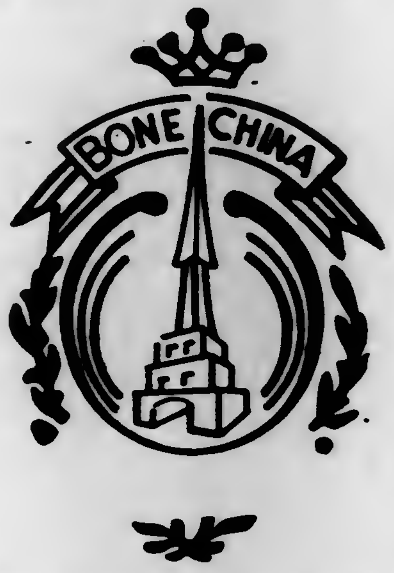
SILMARC

FOR COSTUME JEWELRY.
Claims use since June 3, 1946.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 481,065. Eric H. Gort, Inc., Metuchen, N. J. Filed Mar. 19, 1945.



The words "Bone China" are disclaimed except when used separate and apart from the mark.
FOR ORNAMENTAL AND UTILITY POTTERY—NAMELY, CANDY BOXES, VASES, BOWLS, POWDER BOXES, PERFUME BOTTLES, TRAYS, SUGAR BOWLS, CREAMERS, EGG CUPS, CUPS AND SAUCERS, PLATES, TERRINES, SALT SHAKERS, MUSTARD JARS, AND JAM JARS.
Claims use since Feb. 10, 1945.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 473,120. Philco Corporation, Philadelphia, Pa. Filed Aug. 9, 1944.

PHILCO

FOR RACKS FOR DISPLAYING MERCHANDISE.
Claims use since August 1937.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 504,802. Union Carbide and Carbon Corporation, New York, N. Y. Filed June 28, 1946.

Carbic

FOR ACETYLENE FLOODLIGHTS AND ACETYLENE GENERATORS.
Claims use since about 1916 on floodlights; and since about 1921 on gas generators.

Ser. No. 511,802. Joseph Dixon Crucible Company, Jersey City, N. J. Filed Oct. 31, 1946. Under section 5b of the act of 1905 as amended in 1920.

DIXON'S

FOR CRUCIBLES AND FURNACE COVERS FOR INDUSTRIAL FURNACES.
Claims use since 1908.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 503,836. Souvenair Company, New York, N. Y. Filed June 13, 1946.

HALL-O-FAME

FOR MECHANICALLY GROOVED PHONOGRAPH RECORDS AND FOR ALBUMS OF SUCH MECHANICALLY GROOVED PHONOGRAPH RECORDS.
Claims use since Aug. 17, 1945.

CLASS 37

PAPER AND STATIONERY

Ser. No. 499,219. The Esterbrook Pen Company, Camden, N. J. Filed Mar. 29, 1946. Under section 5b of the act of 1905 as amended in 1920.

Esterbrook

FOR WRITING, DRAWING, AND LETTERING PENS; FOUNTAIN PENS, FEEDS, CAPS AND BARRELS THEREFOR; PENHOLDERS, MECHANICAL PENCILS, ERASING PEN, INKWELLS, DESK SETS, SPRING CLIPS, INTERCHANGEABLE NIB AND FEED ASSEMBLY, RUBBER OR COMPOSITION ERASERS, AND PENCIL LEADS.
Claims use since 1860 on writing, drawing, and lettering pens; since 1890 on penholders; since 1916 on erasing pen; since 1921 on spring clips; since Apr. 29, 1932, on fountain pens, feeds, caps and barrels therefor and interchangeable nib and feed assembly; since June 1932 on desk sets; since Oct. 10, 1934, on mechanical pencils, rubber or composition erasers and pencil leads; and since June 19, 1936 on inkwells.

Ser. No. 502,600. S. D. Warren Company, Boston, Mass. Filed May 22, 1946.

PLASTIPAK

FOR PAPER MANUFACTURED FOR USE AS GREASE-PROOF WRAPPING PAPER—NAMELY, A HEAVY-WEIGHT INDUSTRIAL PAPER USED FOR WRAPPING MACHINERY PARTS WHICH ARE PACKED IN GREASE.
Claims use since Sept. 13, 1945.

Ser. No. 504,897. Grinnell Lithographic Co., Inc., New York, N. Y. Filed July 1, 1946.

JACK 'N JILL

FOR STATIONERY—NAMELY, WRITING PAPER AND ENVELOPES.
Claims use since Apr. 15, 1946.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 504,887. El Paso Natural Gas Company, El Paso, Tex. Filed July 1, 1946.

THE
Pipeliner

FOR PUBLICATION ISSUED FROM TIME TO TIME.
Claims use since June 1, 1938.

CLASS 39

CLOTHING

Ser. No. 492,357. Boyd-Richardson Company, St. Louis, Mo. Filed Nov. 29, 1945.

THREADNEEDLE STREET

FOR LEATHER SHOES.
Claims use since September 1939.

Ser. No. 504,126. Monomac Shoe Co., Inc., Haverhill, Mass. Filed June 18, 1946.

Lo STEPPERS
by Monomac

No claim is made to the word "Lo" apart from the mark.
FOR WOMEN'S SHOES MADE OF LEATHER, FABRIC, OR RUBBER AND COMBINATIONS OF THESE MATERIALS.
Claims use since Sept. 11, 1944.

Ser. No. 504,129. The Rapaport Coat Corporation, Chicago, Ill. Filed June 18, 1946.

EM
Ed-Mor
original

The word "Original" is disclaimed apart from the mark.
FOR WOMEN'S AND MISSES' READY-TO-WEAR COATS AND SUITS.
Claims use since January 1944.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 503,316. New York Merchandise Co., Inc., New York, N. Y. Filed June 5, 1946.

REGAL

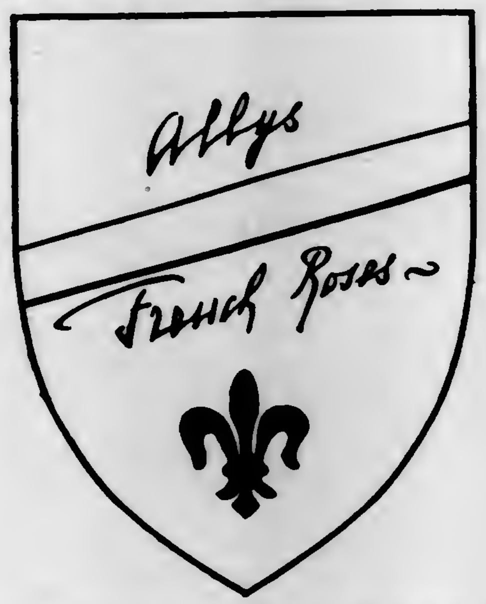
FOR COMBS MADE OF PLASTICS, SHELL, AND NON-PRECIOUS METALS.
Claims use since Apr. 1, 1946.

Ser. No. 506,539. **A. Meyers & Sons Corp.**, New York, N. Y. Filed July 30, 1946.

Lance

FOR STRAIGHT PINS, SAFETY PINS, T PINS, AND SNAP FASTENERS.
Claims use since January 1936.

Ser. No. 507,220. **Alice K. Rosenberg**, New York, N. Y. Filed Aug. 10, 1946.



The words "French Roses" are disclaimed apart from the mark.
FOR ARTIFICIAL FLOWERS.
Claims use since Aug. 1, 1946.

Ser. No. 507,589. **Naus Trimming Co., Inc.**, New York, N. Y. Filed Aug. 17, 1946.

SUAN

KING OF PEARLIZED BUTTONS

The words "King of Pearlized Buttons" are disclaimed except in combination with the mark as shown.
FOR BUTTONS.
Claims use since July 1937.

Ser. No. 508,138. **Bee-Em Manufacturing Co., Inc.**, Brooklyn, N. Y. Filed Aug. 28, 1946.

American Co-ed

No registration rights are claimed herein to the word "American" apart from the mark as a whole.
FOR BOB PINS, HAIR PINS, COMBS, AND NON-ELECTRIC HAIR CURLERS.
Claims use since May 23, 1946.

CLASS 42

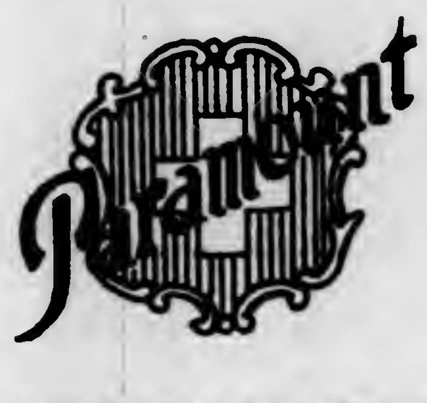
KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 497,363. **L. Bamberger & Co.**, Newark, N. J. Filed Feb. 28, 1946.

QUILTING
PARTY

Applicant disclaims the word "Quilting" except in connection with the mark as shown.
FOR WINDOW CURTAINS, DRAPES, AND FABRIC UPHOLSTERY COVERINGS IN THE PIECE.
Claims use since Feb. 14, 1946.

Ser. 501,945. **Victor H. Levy**, Los Angeles, Calif. Filed May 11, 1946.



The lining in the drawing is for shading purposes only.
FOR VEILING—VIZ., VEILING BY THE YARD AND INDIVIDUAL CIRCULAR VEILS.
Claims use since Dec. 20, 1916.

Ser. No. 503,767. **A. Steinam Company, Inc.**, New York, N. Y. Filed June 12, 1946.

FEM-I-NYL

FOR ALL NYLON FABRIC, SOLD IN THE PIECE.
Claims use since Apr. 4, 1946.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 494,864. **Primex Equipment Company**, Chicago, Ill. Filed Jan. 16, 1946.

FOR X-RAY EQUIPMENT—NAMELY, VIEW BOXES, WHICH ARE COMPONENTS OF FLUOROSCOPES FOR DIAGNOSIS OF HUMAN AND ANIMAL AILMENTS.
Claims use since Nov. 30, 1945.

Ser. No. 498,483. **Associated Products, Inc.**, Chicago, Ill. Filed Mar. 19, 1946.

DYNASTY

FOR MANICURE IMPLEMENT SETS, MANICURE SCISSORS, NAIL FILES, CUTICLE PUSHERS, CUTICLE KNIVES, TWEEZERS, AND NAIL BUFFERS.
Claims use since Mar. 13, 1946.

Ser. No. 499,324. **Diehl Research Laboratories, Ltd.**, Los Angeles, Calif. Filed Mar. 30, 1946.

GEN
O
SAN

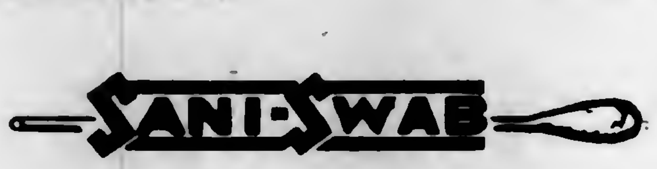
FOR VAGINAL SYRINGES.
Claims use since Dec. 3, 1945.

Ser. No. 510,240. **A. L. Engelhardt Company**, Los Angeles, Calif. Filed Oct. 4, 1946.

ALĔCO

FOR DENTAL GOLD SOLDER.
Claims use since Sept. 26, 1945.

Ser. No. 514,726. **Splain & Lloyd, Inc.**, Milford, Ohio. Filed Dec. 23, 1946.

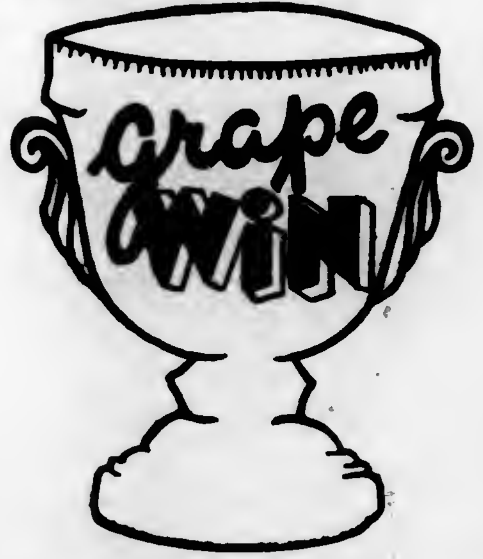


No claim is made to the exclusive right to the use of the word "Swab" and the representation of the goods separate and apart from the mark.
FOR APPLICATORS.
Claims use since Nov. 26, 1946.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 510,099. **Merwyn Concentrates, Inc.**, St. Louis, Mo. Filed Oct. 2, 1946.



Exclusive right to the word "Grape" is not claimed apart from the rest of the mark.
FOR BOTTLED IMITATION GRAPE FLAVOR SOFT DRINK AND BOTTLED IMITATION GRAPE CONCENTRATE FLAVORING EXTRACT THEREFOR.
Claims use since Sept. 5, 1946.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 477,051. **Beatrice Creamery Company**, Chicago, Ill., now by change of name to Beatrice Foods Co., Dover, Del. Filed Nov. 30, 1944.

HAWKEYE

Applicant is the owner of Reg. No. 202,712.
FOR EGGS.
Claims use since Feb. 14, 1925.

Ser. No. 480,999. **Sebastiano Rombo**, Swedesboro, N. J. Filed Mar. 16, 1945.

U-SEE-ME

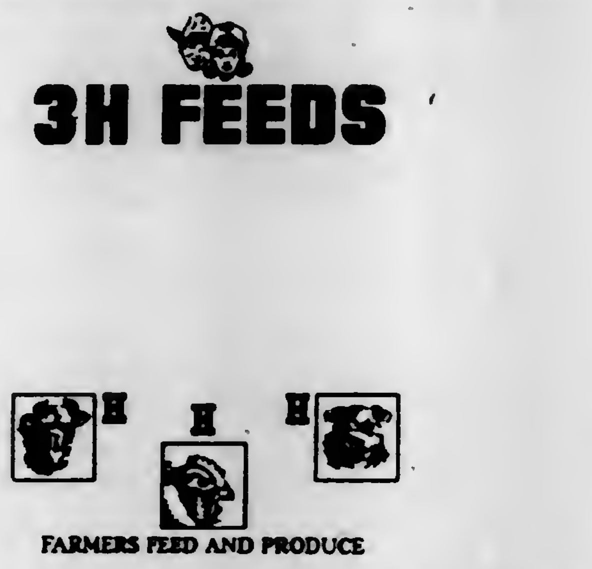
FOR FRESH SWEET POTATOES.
Claims use since Sept. 2, 1944.

Ser. No. 492,974. **Vacu-Dry Company**, Oakland, Calif. Filed Dec. 8, 1945.

VACU-DRY

Applicant is the owner of Reg. No. 414,608. No claim is made for Federal registration to the word "Dry" apart from the mark.
FOR DEHYDRATED APPLES IN PIECES.
Claims use since Nov. 14, 1945.

Ser. No. 500,533. Farmers Feed & Produce, Council Bluffs, Iowa. Filed Apr. 19, 1946.



The portraits shown on the drawing are fanciful. No claim is made to the words "Feed" and "Farmers Feed and Produce" apart from the mark as shown without relinquishing any common-law rights thereto.
FOR POULTRY, CATTLE, AND HOG FEEDS COMPOSED OF EGG MASH.
Claims use since Jan. 1, 1946.

Ser. No. 502,833. Norris Inc., Atlanta, Ga. Filed May 27, 1946.

Peachtree

Applicant is the owner of Trade-Mark registration No. 392,790 granted Jan. 13, 1942.
FOR CANDIES.
Claims use since June 16, 1941.

Ser. No. 503,607. Somis Lemon Association, Oxnard, Calif. Filed June 10, 1946.

SEA TONE

FOR FRESH CITRUS FRUITS.
Claims use since Apr. 8, 1946.

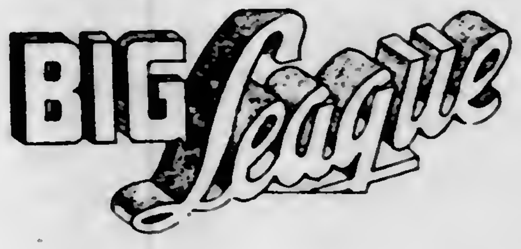
Ser. No. 504,301. C. F. Simonin's Sons, Inc, Philadelphia, Pa. Filed June 20, 1946.

POPSIT

PLUS!

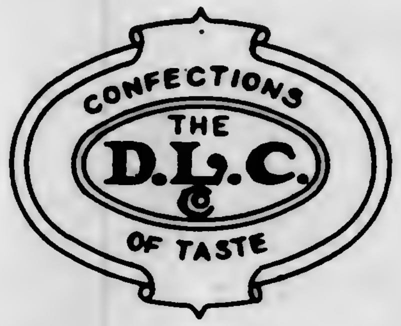
FOR POPCORN SEASONING MADE FROM VEGETABLE OIL AND BUTTER FLAVOR.
Claims use since Feb. 28, 1946.

Ser. No. 504,879. Frank R. Brown, El Centro, Calif. Filed July 1, 1946.



No claim is made to the word "Big" apart from the mark as shown.
FOR MELONS—NAMELY, CANTALOUPES AND HONEYDEWS.
Claims use since June 11, 1946.

Ser. No. 505,184. The D. L. Clark Company, Pittsburgh, Pa. Filed July 8, 1946.



No claim is made to the words "Confections of Taste" apart from the mark.
FOR CANDIES.
Claims use since Aug. 15, 1919.

Ser. No. 505,421. Joe Lowe Corporation, New York, N. Y. Filed July 11, 1946.

1 4 5

FOR FROZEN CONFECTIONS AND SYRUPS OR LIQUID CONCENTRATES FOR MAKING THE SAME.
Claims use since Apr. 29, 1946, on frozen confections; and since May 9, 1946, on concentrates.

Ser. No. 505,422. Joe Lowe Corporation, New York, N. Y. Filed July 11, 1946.

1 4 10

FOR FROZEN CONFECTIONS AND SYRUPS OR LIQUID CONCENTRATES.
Claims use since Apr. 29, 1946, on frozen confections; and since May 9, 1946, on concentrates.

Ser. No. 505,423. Joe Lowe Corporation, New York, N. Y. Filed July 11, 1946.

ATOMSTIK

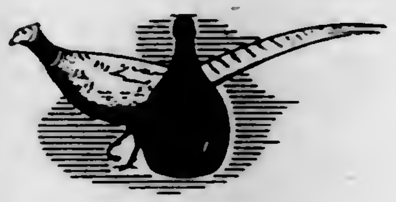
FOR FROZEN CONFECTIONS AND SYRUPS OR LIQUID CONCENTRATES FOR MAKING THE SAME.
Claims use since Apr. 29, 1946, on frozen confections; and since May 9, 1946, on concentrates.

Ser. No. 505,424. Joe Lowe Corporation, New York, N. Y. Filed July 11, 1946.

ATOMSICLE

FOR FROZEN CONFECTIONS AND SYRUPS OR LIQUID CONCENTRATES.
Claims use since Apr. 29, 1946, on frozen confections; and since May 9, 1946, on concentrates.

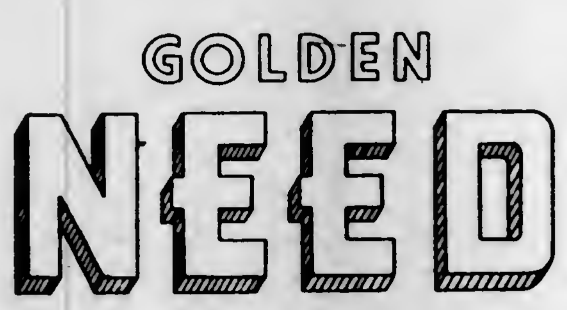
Ser. No. 506,575. The Bird and Bottle Limited, Phillipstown and Garrison, N. Y. Filed July 31, 1946.



The BIRD & BOTTLE INN

FOR COFFEE.
Claims use since Sept. 20, 1945.

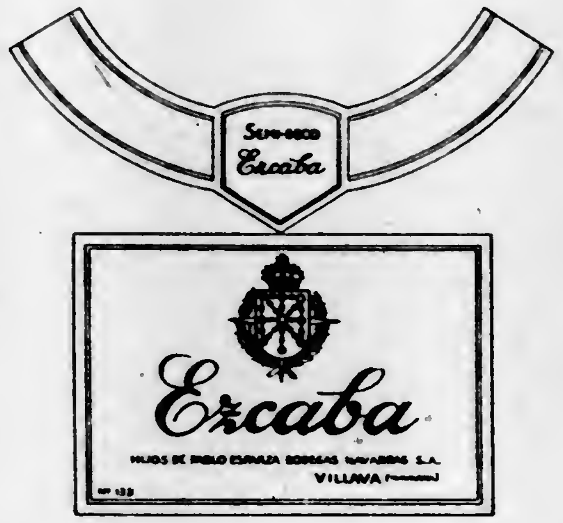
Ser. No. 507,200. Limoneira Company, Santa Paula, Calif. Filed Aug. 10, 1946.



The drawing is lined for the purpose of shading only, no particular color being claimed. No claim is made to the exclusive right to the use of the word "Golden" apart from other features of the mark as shown.
FOR FRESH CITRUS FRUITS.
Claims use since May 15, 1946.

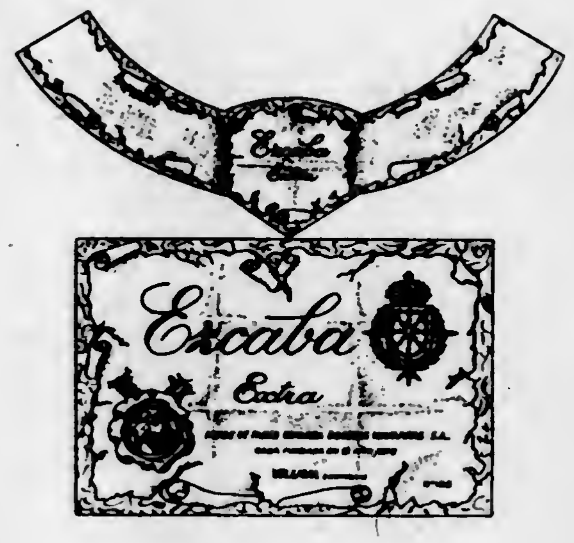
CLASS 47
WINES

Ser. No. 489,802. Hijos de Pablo Esparza Bodegas Navarras S. A., Villava, Spain. Filed Oct. 11, 1945.



No claim is made to any of the words appearing upon the drawing with the exception of the word "Ezcaba."
FOR WINE, ESPECIALLY WINE OF THE CHAMPAGNE TYPE.
Claims use since 1930.

Ser. No. 489,803. Hijos de Pablo Esparza Bodegas Navarras S. A., Villava, Spain. Filed Oct. 11, 1945.

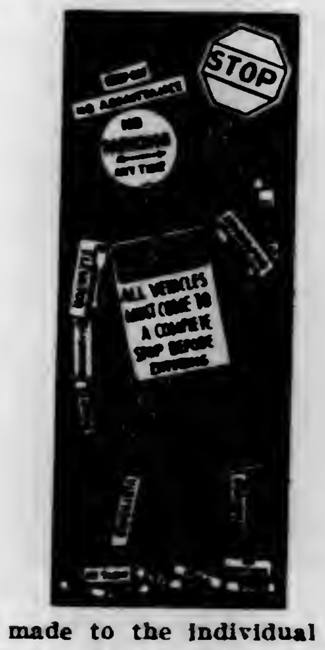


No claim is made to any of the words appearing upon the drawing with the exception of the word "Ezcaba."
FOR WINE, ESPECIALLY WINE OF THE CHAMPAGNE TYPE.
Claims use since 1930.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 470,685. STANDARD SIGNS, INC., Cleveland, Ohio. Filed May 26, 1944.

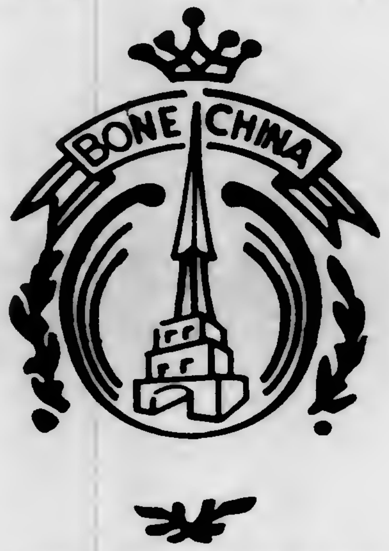

STOP
ALL VEHICLES MUST COME TO A COMPLETE

No claim is made to the individual signs illustrated, nor to the word, words, symbols, and so forth appearing thereon apart from the mark as shown.

FOR NON-ELECTRIC PRINTED, PAINTED, ENAMELED, CAST, MOLDED, DRAWN, STAMPED, STENCILLED OR EMBOSSED SIGNS, EMBLEMS, PLACQUES, SYMBOLS AND NUMERALS—NAMELY, SIGN POST, STREET, ROAD, TRAFFIC, WARNING, DIRECTION AND DANGER SIGNS, PLAQUES AND NUMERALS, HOUSE AND BUILDING NUMERALS, ENTRANCE, EXIT, LAVATORY, ROOM, WALL AND BUILDING SIGNS AND PLAQUES, ADVERTISING DISPLAY AND NAME SIGNS AND EMBLEMS MADE OF SUCH SOLID, FLEXIBLE OR SHEET MATERIAL AS WOOD, NON-PRECIOUS METAL, GLASS, PLASTIC AND FABRIC.

Claims use since Apr. 6, 1944.

Ser. No. 490,819. ERIC H. GORT, INC., Metuchen, N. J. Filed Oct. 31, 1945.



The words "Bone China" are disclaimed except when used as a part of the mark.

FOR FIGURINES AND STATUETTES.

Claims use since Feb. 10, 1945.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF FEBRUARY 20, 1905

APRIL 8, 1947

428,834. BILLFOLDS, FITTED AND UNFITTED TOILET CASES AND POCKET BOOKS MADE OF FABRIC AND LEATHER. KNIGHT LEATHER PRODUCTS CO., INC., Boston, Mass.
Filed April 13,, 1943. Serial No. 459,841. PUBLISHED JUNE 6, 1944. Class 3.

428,835. FIBROUS SOUND ABSORBING UNITS IN THE FORM OF TILES AND SHEETS. UNITED STATES GYPSUM COMPANY, Chicago, Ill.
Filed September 2, 1943. Serial No. 463,187. PUBLISHED JANUARY 21, 1947. Class 12.

428,836. WALLETS. KNIGHT LEATHER PRODUCTS CO., INC., Boston, Mass.
Filed October 12, 1943. Serial No. 464,086. PUBLISHED JUNE 13, 1944. Class 3.

428,837. DIAMOND POINTED TOOLS FOR DRESSING AND TRUEING GRINDING WHEELS. WHEEL TRUEING TOOL COMPANY OF DELAWARE, Detroit, Mich.
Filed December 31, 1943. Serial No. 466,241. PUBLISHED JANUARY 14, 1947. Class 23.

428,838. TEXTILE FABRICS IN THE PIECE OF COTTON, RAYON, AND MIXTURES THEREOF. ALBERT H. VANDAM CO., INC., New York, N. Y., assignor to D. B. Fuller & Co. Inc., New York, N. Y., a corporation of New York
Filed February 14, 1945. Serial No. 479,825. PUBLISHED DECEMBER 4, 1945. Class 42.

428,839. CASES, SHIPPING CONTAINERS AND CARTONS IN THE FORM OF BOXES AND TRAYS MADE PRINCIPALLY OF FIBRE BOARD, CORRUGATED BOARD, OR OTHER LIKE MATERIAL. CALIFORNIA CONTAINER CORPORATION, Emeryville, Calif.
Filed March 21, 1945. Serial No. 481,134. PUBLISHED JUNE 11, 1946. Class 2.

428,840. FISH HOOKS, FISH LURES, FISH BAITS, LINE DRESSERS, AND FISHING REELS. PACHNER & KOLLER, INC., Chicago, Ill.
Filed March 26, 1945. Serial No. 481,337. PUBLISHED JANUARY 21, 1947. Class 22.

428,841. CRUSHING AND PULVERIZING MACHINERY AND PARTS THEREOF FOR CRUSHING ROCKS, STONES, MINERALS AND THE LIKE, ETC. PETTIBONE MULLIKEN CORPORATION, Chicago, Ill.
Filed April 5, 1945. Serial No. 481,753. PUBLISHED DECEMBER 24, 1946. Class 23.

428,842. ARMY WEEKLY HAVING A CIRCULATION CONFINED EXCLUSIVELY TO THE ENLISTED AND OFFICER PERSONNEL OF THE UNITED STATES ARMY AND CONTAINING NEWS ITEMS, STORIES, AND ILLUSTRATIONS INTENDED TO BE OF INTEREST SOLELY TO ARMY PERSONNEL. UNITED STATES WAR DEPARTMENT, Washington, D. C.
Filed April 7, 1945. Serial No. 481,869. PUBLISHED JULY 17, 1945. Class 38.

428,843. GREETING CARDS, PRINTED OR OTHERWISE IMPRESSED GREETING FOLDERS, CALENDARS, DECORATIVE PRINTED TAGS, AND BOOKLETS OF CHILDREN'S STORIES. NORCROSS, New York, N. Y.
Filed April 23, 1945. Serial No. 482,498. PUBLISHED JANUARY 14, 1947. Class 38.

428,844. GREETING CARDS AND GREETING FOLDERS, BOOKLETS OF CHILDREN'S STORIES, CALENDARS, AND DECORATIVE PRINTED TAGS. NORCROSS, New York, N. Y.
Filed May 29, 1945. Serial No. 483,914. PUBLISHED JANUARY 14, 1947. Class 38.

428,845. GREETING CARDS AND GREETING FOLDERS, BOOKLETS OF CHILDREN'S STORIES, CALENDARS, AND DECORATIVE PRINTED TAGS. NORCROSS, New York, N. Y.
Filed May 29, 1945. Cerial No. 483,915. PUBLISHED JANUARY 14, 1947. Class 38.

428,846. TOYS—NAMELY, MINIATURE SHIPS, TRAINS, FURNITURE, AND BUILDING BLOCKS. VELASCO TOY COMPANY, Minneapolis, Minn.
Filed May 31, 1945. Serial No. 484,039. PUBLISHED JANUARY 21, 1947. Class 22.

428,847. PLAYGROUND SWINGS AND CARROUSELS. PLAYGROUND EQUIPMENT COMPANY, INC., Dallas, Tex.
Filed July 20, 1945. Serial No. 486,062. PUBLISHED JANUARY 21, 1947. Class 22.

428,848. COLUMN OR SECTION IN A PERIODICALLY ISSUED, PRINTED PUBLICATION. ARCADY FARMS MILLING COMPANY, Chicago, Ill.
Filed August 6, 1945. Serial No. 486,738. PUBLISHED DECEMBER 31, 1946. Class 38.

428,849. GAS WATER HEATERS. GOUGH INDUSTRIES, INC., Los Angeles, Calif.
Filed August 27, 1945. Serial No. 487,616. PUBLISHED JANUARY 21, 1947. Class 34.

428,850. INSTRUMENTS FOR DENTAL SURGERY—NAMELY, HANDPIECES, CONTRA-ANGLES, AMALGAM PUSHERS, INJECTION SYRINGES, AND ALTERNATING CURRENT-DRIVEN VIBRATING MASSAGING DEVICES. SODECO SOCIETE DES COMPTEURS DE GENEVE, Geneva, Switzerland.
Filed August 28, 1945. Serial No. 487,694. PUBLISHED JANUARY 21, 1947. Class 44.

428,851. PUMPS AND PARTS THEREOF—NAMELY; VACUUM PUMPS, VACUUM HEATING PUMPS, AIR COMPRESSORS, ETC. NASH ENGINEERING COMPANY, South Norwalk, Conn.
Filed August 30, 1945. Serial No. 487,793. PUBLISHED DECEMBER 31, 1946. Class 23.

428,852. APPARATUS FOR INDICATING THE EXACT POSITIONS OF THE CAMS OF A CAM SHAFT OF A MOTOR. HARRY R. MEYER, Los Angeles, Calif.
Filed September 4, 1945. Serial No. 487,961. PUBLISHED JANUARY 14, 1947. Class 26.

428,853. MONTHLY PUBLICATION ON HORSE RACING. FRANKLIN J. GRIESMAN, doing business as Mid-West Mirror Publishers, Chicago, Ill.
Filed September 6, 1945. Serial No. 488,033. PUBLISHED JANUARY 7, 1947. Class 38.

428,854. DOLLS, TOY RATTLES, TOY PAILS AND TOY SHOVELS, TOY ANIMALS, AND RUBBER BALLS. OMER BOUCQUEY, Saint Cloud, France.
Filed September 15, 1945. Serial No. 488,504. PUBLISHED JANUARY 21, 1947. Class 22.

428,855. TRASH BAGS AND TRASH BAG HOLDERS. LE ROY S. STEINBACHER, Ypsilanti, Mich.
Filed September 19, 1945. Serial No. 488,713. PUBLISHED JANUARY 21, 1947. Class 2.

428,856. GREETING CARDS AND PRINTED OR OTHERWISE IMPRESSED GREETING FOLDERS, BOOKLETS OF CHILDREN'S STORIES, CALENDARS, AND DECORATIVE PRINTED TAGS. Norcross, New York, N. Y.
Filed September 20, 1945. Serial No. 488,768. PUBLISHED JANUARY 14, 1947. Class 38.

428,857. GREETING CARDS, PRINTED TAGS, PRINTED SEALS, BOOKLETS OF CHILDREN'S STORIES, AND CALENDARS. Norcross, New York, N. Y.
Filed September 20, 1945. Serial No. 488,769. PUBLISHED JANUARY 14, 1947. Class 38.

428,858. GREETING CARDS, PRINTED TAGS, PRINTED SEALS, BOOKLETS OF CHILDREN'S STORIES, AND CALENDARS. Norcross, New York, N. Y.
Filed September 20, 1945. Serial No. 488,770. PUBLISHED JANUARY 14, 1947. Class 38.

428,859. CELLULAR RUBBER. Dunlop Tire and Rubber Corporation, Buffalo, N. Y.
Filed October 23, 1945. Serial No. 490,363. PUBLISHED JANUARY 21, 1947. Class 1.

428,860. ADHESIVE SURGICAL TAPES. Industrial Tape Corporation, New Brunswick, N. J.
Filed November 5, 1945. Serial No. 491,095. PUBLISHED JANUARY 21, 1947. Class 44.

428,861. BOOKLETS OF THE CONSTITUTION AND BY-LAWS, PAMPHLETS, AND LEAFLETS, SOLD AS SUCH TO THE DIFFERENT UNITS OF THE ASSOCIATION FOR THE FURTHERANCE OF ITS OBJECTS. International Brotherhood of Electrical Workers, Washington, D. C.
Filed November 9, 1945. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 491,325. PUBLISHED DECEMBER 17, 1946. Class 38.

428,862. PRINTED UNION SHOP CARDS SOLD AS SUCH TO THE DIFFERENT UNITS OF THE ASSOCIATION FOR THE FURTHERANCE OF ITS OBJECTS. International Brotherhood of Electrical Workers, Washington, D. C.
Filed November 9, 1945. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 491,330. PUBLISHED DECEMBER 17, 1946. Class 38.

428,863. CRANES OF THE MOBILE VARIETY; THAT IS, MOUNTED UPON THEIR OWN TRAVELING CHASSIS. Ransomes & Rapier Limited, Ipswich, England
Filed November 15, 1945. Serial No. 491,678. PUBLISHED JANUARY 7, 1947. Class 23.

428,864. TOY KITES, DOLLS, AND CUT-OUT DOLLS, AND ANIMALS, CUT-OUT PICTURE DRAWINGS FOR CHILDREN. Viking Toy Company, Larchmont, N. Y.
Filed December 6, 1945. Serial No. 492,807. PUBLISHED JANUARY 21, 1947. Class 22.

428,865. CARTOONS AND COMIC STRIPS. George Baker, New York, N. Y.
Filed December 22, 1945. Serial No. 493,725. PUBLISHED DECEMBER 17, 1946. Class 38.

428,866. TEXTILE FABRICS IN THE PIECE, CONSISTING OF WOOL, SILK, COTTON, RAYON, NYLON, AND PROTEIN FIBERS AND MIXTURES THEREOF. Barret Textile Corp., New York, N. Y.
Filed December 22, 1945. Serial No. 493,728. PUBLISHED JANUARY 21, 1947. Class 42.

428,867. GREETING CARDS. Gartner & Bender, Inc., Chicago, Ill.
Filed December 29, 1945. Serial No. 494,055. PUBLISHED DECEMBER 31, 1946. Class 38.

428,868. BOARD GAMES. Pelham Games, Inc., New York, N. Y.
Filed December 29, 1945. Serial No. 494,113. PUBLISHED JANUARY 21, 1947. Class 22.

428,869. SCREW DRIVER SETS, SNIPS, END NIPPERS, ISLET HANDLE SNIPS, BAR PRUNERS, CHAIN BLOCKS, SHEARS, ETC. The Marine Company, Philadelphia, Pa.
Filed January 5, 1946. Serial No. 494,345. PUBLISHED DECEMBER 24, 1946. Class 23.

428,870. TEXTILE FABRICS MADE OF PAPER, PRODUCED PREFERABLY FROM SULPHATE WOOD PULP, SOLD BY THE YARD. E. W. Twitchell Incorporated, Philadelphia, Pa.
Filed January 21, 1946. Serial No. 495,159. PUBLISHED JANUARY 21, 1947. Class 42.

428,871. INTERNAL COMBUSTION BICYCLE MOTORS. Whizzer Motor Company, Los Angeles, Calif.
Filed January 22, 1946. Serial No. 495,204. PUBLISHED JANUARY 14, 1947. Class 23.

428,872. ARCH SUPPORTS. Anna H. Ahronheim, doing business as Sanipad Scientific Products Co., Chicago, Ill.
Filed January 23, 1946. Serial No. 495,207. PUBLISHED JANUARY 21, 1947. Class 44.

428,873. GREETING CARDS, PRINTED ORNAMENTAL TAGS AND SEALS, BOOKLETS OF CHILDREN'S STORIES, AND CALENDARS. Norcross, New York, N. Y.
Filed January 23, 1946. Serial No. 495,253. PUBLISHED JANUARY 14, 1947. Class 38.

428,874. GREETING CARDS, PRINTED ORNAMENTAL TAGS AND SEALS, BOOKLETS OF CHILDREN'S STORIES, AND CALENDARS. Norcross, New York, N. Y.
Filed January 23, 1946. Serial No. 495,254. PUBLISHED JANUARY 14, 1947. Class 38.

428,875. COMMERCIAL AND DECORATIVE DECALCOMANIAS. The Meyercord Company, Chicago, Ill.
Filed January 26, 1946. Serial No. 495,488. PUBLISHED JANUARY 14, 1947. Class 38.

428,876. COMMERCIAL AND DECORATIVE DECALCOMANIAS. The Meyercord Company, Chicago, Ill.
Filed January 26, 1946. Serial No. 495,490. PUBLISHED JANUARY 14, 1947. Class 38.

428,877. WATER METERS, COMBINATION WEIGHING SCALE AND HOPPER FOR USE IN THE AUTOMATIC BATCH WEIGHING OF GRANULAR MATERIALS, ETC. Read Machinery Company, Inc., York, Pa.
Filed January 26, 1946. Serial No. 495,505. PUBLISHED JANUARY 14, 1947. Class 26.

428,878. KITCHEN STOVES, RANGES, PORTABLE, SPACE AND WATER HEATERS CONSUMING KEROSENE, OIL, OR NATURAL OR ARTIFICIAL GAS FOR FUEL. The Champion Stove Company, Cleveland, Ohio.
Filed February 4, 1946. Serial No. 495,955. PUBLISHED JANUARY 21, 1947. Class 34.

428,879. PIECE GOODS OF WOOL, COTTON, RAYON, AND/OR SILK, OR COMBINATIONS THEREOF. Cohn-Hall-Marx Company, New York, N. Y.
Filed February 12, 1946. Serial No. 496,429. PUBLISHED JANUARY 14, 1947. Class 42.

428,880. TAGS, PRINTED AND READY FOR USE. Savage, Inc., Buffalo, N. Y.
Filed February 21, 1946. Serial No. 497,046. PUBLISHED DECEMBER 31, 1946. Class 35.

428,881. MAGAZINE PUBLISHED QUARTERLY. American Peace Society, Washington, D. C.
Filed February 27, 1946. Serial No. 497,289. PUBLISHED DECEMBER 31, 1946. Class 38.

428,882. TEXTILE FABRICS IN THE PIECE, OF COTTON, RAYON, PROTEIN FIBRES, AND MIXTURES THEREOF. Albert H. Vandam Co., Inc., New York, N. Y., assignor to D. B. Fuller & Co. Inc., New York, N. Y., a corporation of New York.
Filed February 27, 1946. Serial No. 497,355. PUBLISHED JANUARY 21, 1947. Class 42.

428,883. FORCED AIR CIRCULATION SYSTEMS FOR REFRIGERATOR CARS. Preco Incorporated, Los Angeles, Calif.
Filed February 28, 1946. Serial No. 497,411. PUBLISHED JANUARY 21, 1947. Class 34.

428,884. PERIODICALS. The Commonwealth Engineering Company of Ohio, Dayton, Ohio.
Filed March 4, 1946. Serial No. 497,594. PUBLISHED JUNE 25, 1946. Class 38.

428,885. CONVERTING PAPER BOARD. International Paper Company, New York, N. Y.
Filed March 23, 1946. Serial No. 498,847. PUBLISHED JANUARY 21, 1947. Class 37.

428,886. SECTION OF A REGULARLY ISSUED MAGAZINE. Cowles Magazines, Inc., Des Moines, Iowa.
Filed March 26, 1946. Serial No. 498,984. PUBLISHED DECEMBER 31, 1946. Class 38.

428,887. EMBOSSED LABELS AND PRINTED LABELS. F. E. Mason & Sons, Batavia, N. Y.
Filed March 28, 1946. Serial No. 499,139. PUBLISHED DECEMBER 31, 1946. Class 38.

428,888. PUBLICATIONS ON CURRENT AFFAIRS AND DEBATE. The Town Hall, Inc., New York, N. Y.
Filed April 4, 1946. Serial No. 499,671. PUBLISHED DECEMBER 17, 1946. Class 38.

428,889. PUBLICATION. Ralph C. Coxhead Corporation, New York, N. Y.
Filed April 5, 1946. Serial No. 499,696. PUBLISHED JANUARY 14, 1947. Class 38.

428,890. PERIODICAL PUBLICATION. Jerome Glassman and Elaine Glassman, Mount Vernon and Joliet, Ill.
Filed April 6, 1946. Serial No. 499,778. PUBLISHED DECEMBER 17, 1946. Class 38.

428,891. MAGAZINES. Our World Publishing Company, New York, N. Y.
Filed April 18, 1946. Serial No. 500,179. PUBLISHED DECEMBER 17, 1946. Class 38.

428,892. FABRIC WOVEN IN WHOLE OR IN PART FROM FLEXIBLE SYNTHETIC EXTRUDED PLASTIC MONOFILAMENTS SUCH AS, FOR EXAMPLE, VINYLIDENE CHLORIDE, ETC. Chicopee Manufacturing Corporation of Georgia, Gainesville, Ga.
Filed April 19, 1946. Serial No. 500,521. PUBLISHED DECEMBER 24, 1946. Class 42.

428,893. NEWSPAPER CARTOON PAGE AND/OR STRIP. The Hearst Corporation, New York, N. Y.
Filed April 25, 1946. Serial No. 500,880. PUBLISHED DECEMBER 31, 1946. Class 38.

428,894. RADIO SCRIPTS PUBLISHED IN A CONTINUING SERIES AND DISTRIBUTED IN TRADE AS PUBLICATIONS. The Crosley Corporation, Cincinnati, Ohio.
Filed April 27, 1946. Serial No. 501,049. PUBLISHED DECEMBER 31, 1946. Class 38.

428,895. POWER PRESSES, BENCH PRESSES, PUNCHING PRESSES, DOUBLE ACTION PRESSES, ARCH PRESSES, REDUCING PRESSES, THREAD ROLLING MACHINES, ROLL FEEDS, AND DIAL FEEDS. The V & O Press Company, Incorporated, Hudson, N. Y.
Filed April 30, 1946. Serial No. 501,219. PUBLISHED DECEMBER 24, 1946. Class 23.

428,896. POWER PRESSES, BENCH PRESSES, PUNCHING PRESSES, DOUBLE ACTION PRESSES, ARCH PRESSES, REDUCING PRESSES, THREAD ROLLING MACHINES, ROLL FEEDS, AND DIAL FEEDS. The V & O Press Company, Incorporated, Hudson, N. Y.
Filed April 30, 1946. Serial No. 501,220. PUBLISHED DECEMBER 24, 1946. Class 23.

428,897. SHEET MUSIC AND MUSICAL PUBLICATIONS. Meszaros & Fisher, Chicago, Ill.
Filed May 4, 1946. Serial No. 501,466. PUBLISHED DECEMBER 31, 1946. Class 38.

428,898. ELECTRIC STORAGE BATTERIES FOR AUTOMOBILES AND OTHER USES. Hicks Battery Manufacturing Co., Columbus, Ga.
Filed May 6, 1946. Serial No. 501,508. PUBLISHED DECEMBER 24, 1946. Class 21.

428,899. SCISSORS AND SHEARS. The Acme Shear Company, Bridgeport, Conn.
Filed May 7, 1946. Serial No. 501,551. PUBLISHED JANUARY 7, 1947. Class 23.

428,900. PLUG GAGES. New England Carbide Tool Co., Inc., Cambridge, Mass.
Filed May 16, 1946. Serial No. 502,230. PUBLISHED JANUARY 14, 1947. Class 26.

428,901. SERIES OF CARTOONS. Tribune Company, doing business as Chicago Tribune, Chicago, Ill.
Filed May 17, 1946. Serial No. 502,350. PUBLISHED DECEMBER 31, 1946. Class 38.

428,902. SERIES OF CARTOONS. Tribune Company, doing business as Chicago Tribune, Chicago, Ill.
Filed May 17, 1946. Serial No. 502,351. PUBLISHED DECEMBER 31, 1946. Class 38.

428,903. GREETING CARDS, PRINTED GREETING FOLDERS, CALENDARS, AND PRINTED TAGS AND SEALS. Norcross, New York, N. Y.
Filed May 18, 1946. Serial No. 502,399. PUBLISHED JANUARY 14, 1947. Class 38.

428,904. BOOKS, MAGAZINES, PAMPHLETS, AND TOPICAL LAW REPORTERS. Commerce Clearing House, Inc., Chicago, Ill.
Filed May 20, 1946. Serial No. 502,424. PUBLISHED DECEMBER 31, 1946. Class 38.

428,905. EYEGLASSES AND SPECTACLE FRAMES. The Kono Manufacturing Company, Woodside, N. Y.
Filed May 22, 1946. Serial No. 502,584. PUBLISHED JANUARY 14, 1947. Class 26.

428,906. SECTION OF PERIODICAL PUBLICATIONS. United States News Publishing Corporation, Washington, D. C.
Filed May 23, 1946. Serial No. 502,673. PUBLISHED DECEMBER 31, 1946. Class 38.

428,907. ELECTRONIC AND LIGHTING DEVICES—NAMELY, PHOTO-ELECTRIC TUBES, RECTIFIER TUBES, CHARGER BULBS, ETC. Continental Electric Company, Geneva, Ill.
Filed May 28, 1946. Serial No. 502,887. PUBLISHED JANUARY 7, 1947. Class 21.

428,908. PAMPHLETS COMPRISING A COURSE OF EXERCISES AND BEAUTY TREATMENTS. Richard Hudnut, New York, N. Y.
Filed June 4, 1946. Serial No. 503,251. PUBLISHED JANUARY 14, 1947. Class 38.

428,909. COLUMN OF A REGULARLY ISSUED MAGAZINE. Cowles Magazines, Inc., Des Moines, Iowa.
Filed June 11, 1946. Serial No. 503,637. PUBLISHED JANUARY 14, 1947. Class 38.

428,910. PORTLAND CEMENTS. Aktieselskabet Aalborg Portland-Cement Fabrik, Aalborg, Denmark.
Filed June 7, 1946. Serial No. 503,411. PUBLISHED JANUARY 21, 1947. Class 12.

428,911. FUEL OIL BURNERS. Automatic Burner Corporation, Chicago, Ill.
Filed June 12, 1946. Serial No. 503,694. PUBLISHED JANUARY 21, 1947. Class 34.

428,912. PERIODICAL PUBLICATION PUBLISHED QUARTERLY. Fawcett Publications, Inc., Greenwich, Conn.
Filed June 13, 1946. Serial No. 503,809. PUBLISHED JANUARY 14, 1947. Class 38.

428,913. WATER PROOFING COMPOSITION, IN THE FORM OF A PASTE WHICH IS ADDED TO A CONCRETE MIX, AND ALSO IN THE FORM OF A HEAVY LIQUID, ETC. THE AREPACT CORPORATION, Rock Hill, S. C.
Filed June 18, 1946. Serial No. 504,086. PUBLISHED JANUARY 21, 1947. Class 12.

428,914. TOY PISTOL HOLSTERS, GOLF BAGS, AND BOWLING BALL BAGS. PROTECTION PRODUCTS CO., Chicago, Ill.
Filed August 14, 1946. Serial No. 507,422. PUBLISHED JANUARY 21, 1947. Class 22.

428,915. BAGS MADE OF PAPER, CELLOPHANE, GLASSINE, AND OTHER FLEXIBLE SHEET MATERIALS. MARATHON CORPORATION, Rothschild, Wis.
Filed August 21, 1946. Serial No. 507,737. PUBLISHED OCTOBER 22, 1946. Class 2.

428,916. STAPLING MACHINES FOR INDUSTRIAL USE, GLAZIER POINT DRIVING MACHINES, AUTOMATIC TACKING MACHINES USING PREFORMED AND COHERED WIRE STAPLES. THE TIGLON COMPANY, New York, N. Y.
Filed September 27, 1946. Serial No. 509,892. PUBLISHED JANUARY 14, 1947. Class 23.

428,917. GOLF BAGS. HENRY HOTZE & SONS COMPANY, St. Louis, Mo.
Filed October 10, 1946. Serial No. 510,594. PUBLISHED JANUARY 21, 1947. Class 22.

428,918. MAGAZINE FOR BOYS AND YOUNG MEN TO BE PUBLISHED BI-MONTHLY. THE PARENTS' INSTITUTE, INC., New York, N. Y.
Filed October 14, 1946. Serial No. 510,859. PUBLISHED JANUARY 7, 1947. Class 38.

428,919. BREAD BOXES. UNITED DEVICE CORPORATION, New York, N. Y.
Filed October 31, 1946. Serial No. 511,843. PUBLISHED JANUARY 21, 1947. Class 2.

428,920. POWDER FOR USE IN MAKING ARTIFICIAL STONES USED IN PREPARATION OF DENTURE MODELS. COSMOS DENTAL PRODUCTS, INC., New York, N. Y.
Filed November 7, 1946. Serial No. 512,166. PUBLISHED JANUARY 21, 1947. Class 44.

428,921. PERFUME BASE USED AS A CONSTITUENT IN THE MANUFACTURE OF PERFUMES. S. B. PENICK & COMPANY, New York, N. Y.
Filed January 9, 1947. Serial No. 516,652. PUBLICATION WAIVED. Class 6.

ACT OF MARCH 19, 1920, SEC. 1 (b)

These registrations are not subject to opposition

428,922. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) REED-PRENTICE CORPORATION, Worcester, Mass. Filed July 21, 1944. Serial No. 472,465.

REED-PRENTICE CORP.

FOR LATHES, DRILLING MACHINES, PLANING MACHINES, AND MILLING MACHINES, FOR METAL AND WOOD-WORKING TOOL HOLDERS AND HANDLES FOR USE IN CONNECTION WITH MACHINE TOOLS, DRILLS FOR METAL OR WOOD-WORKING DRILLING MACHINES, CUTTERS FOR METAL OR WOOD-WORKING MACHINES AND DIE CASTING AND INJECTION MOLDING MACHINES.
Claims use since Apr. 1, 1923.

428,923. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENT, PORTFOLIOS, AND POCKETBOOKS.) CHRISTIAN SCHUHMANN, Brooklyn, N. Y. Filed July 29, 1944. Serial No. 472,753.

LOK
JOINT

The drawing is lined for shading only.
FOR LUGGAGE BUCKLES AND LUGGAGE STRAPS.
Claims use since Jan. 3, 1944.

428,924. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) HONEL A. JACKSON, Detroit, Mich. Filed Jan. 22, 1945. Serial No. 478,874.

Featherlight

FOR OPERATIVE HOLDERS FOR WELDING ELECTRODES.
Claims use since Aug. 5, 1944.

428,925. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) ZELL BROS., Portland, Oreg. Filed Jan. 27, 1945. Serial No. 479,102.

"Junior Miss"

FOR JEWELRY FOR PERSONAL ADORNMENT NOT INCLUDING WATCHES, PARTICULARLY SUITABLE FOR YOUNG WOMEN OF THE BOARDING AND FINISHING SCHOOL AGE.
Claims use since Jan. 15, 1944.

428,926. (CLASS 37. PAPER AND STATIONERY.) ROMOLO NARDI, Camden, N. J. Filed Feb. 21, 1945. Serial No. 480,082.

R. Nardi
TRI-WAY PENCIL

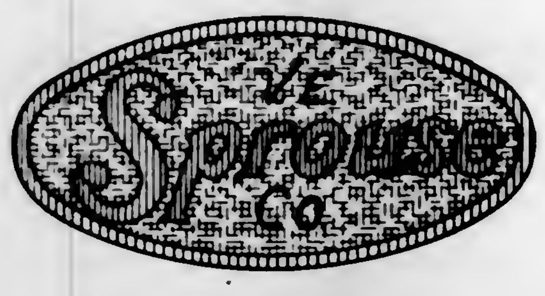
FOR MAGAZINE PENCILS.
Claims use since Feb. 5, 1945.

428,927. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE DAVEN COMPANY, Newark, N. J. Filed Mar. 1, 1945. Serial No. 480,368.

SEALD-OHM

FOR HERMETICALLY SEALED WIRE WOUND ELECTRICAL RESISTOR.
Claims use since January 1945.

428,928. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) V. E. SPROUSE COMPANY, Columbus, Ind. Filed May 16, 1945. Serial No. 483,455.



The drawing is lined to indicate the colors gold and red, however applicant makes no claim to any particular colors.

FOR RATCHET WRENCHES, HOLDERS FOR RECEIVING AND HANGING GAS WELDING TORCHES WHEN NOT IN USE, LIQUID TRANSFERRING FUNNELS, GAS ENGINE MUFFLERS, AND BLOWERS OF THE DRUM TYPE FOR COMPRESSING GASES.
Claims use since on or about Apr. 1, 1923, as applied to ratchet wrenches; on or about May 1, 1931, as applied to torch holders; on or about Feb. 1, 1935, as applied to funnels; on or about Jan. 1, 1943, as applied to mufflers; and on or about June 1, 1944, as applied to blowers.

428,929. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) ZOLL M. ZILBERBRAND, doing business as Zoll Soap Company, Chicago, Ill. Filed June 4, 1945. Serial No. 484,154.

ZOLL FAMILY SOAP

FOR SOAPS.
Claims use since May 1, 1944.

428,930. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BLUEMEL BROS. LIMITED, Wolston, near Coventry, England. Filed July 13, 1945. Serial No. 485,749.

Bluemel's

FOR AIR PUMPS FOR INFLATING TIRES.
Claims use since 1907.

428,931. (CLASS 37. PAPER AND STATIONERY.) STUART HALL CO., Kansas City, Mo. Filed Aug. 4, 1945. Serial No. 486,727.

Stuart Hall

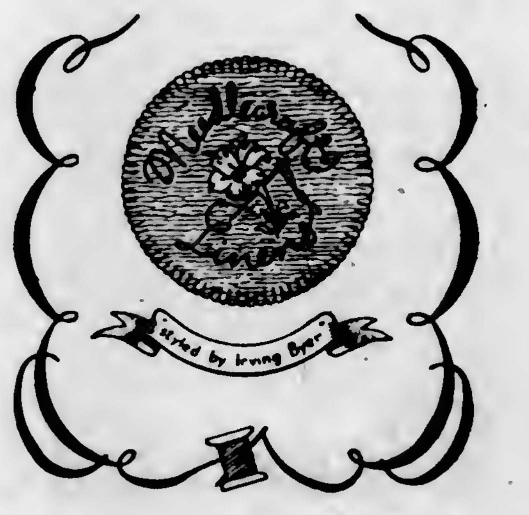
FOR STATIONERY IN THE NATURE OF WRITING PAPER AND ENVELOPES THEREFOR.
Claims use since Aug. 1, 1943.

428,932. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) J. R. SIEBRANDT, doing business as J. R. Siebrandt Manufacturing Co., Kansas City, Mo. Filed Sept. 6, 1945. Serial No. 488,057.

Siebrandt

FOR BONE FRACTURE APPLIANCES AND EQUIPMENT—NAMELY, SPLINTS, BRACES, BONE TRACTION, EXTENSION AND MANIPULATION SETS, BONE PLATES AND FORCEPS, SPLINT BENDING INSTRUMENTS, WIRE CUTTING, THREADING, TWISTING, AND TIGHTENING INSTRUMENTS, RETRACTORS, AND TOOLS FOR HIP-NAILING OPERATIONS FOR USE IN BONE SURGERY.
Claims use since July 1, 1940.

428,933. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) IRVING M. BYER, doing business as The Irving Byer Co., New York, N. Y. Filed Oct. 2, 1945. Serial No. 489,254.



FOR BRIDGE SETS, TOWELS, SCARFS, AND WINDOW CURTAINS.
Claims use since Sept. 1, 1945.

428,934. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) Vincent Anthony Marco, Beverly Hills, Calif. Filed Oct. 2, 1945. Serial No. 489,274.

MARCOLA

FOR RADIO RECEIVING SETS.
Claims use since Aug. 15, 1945.

428,935. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) Edwin E. Berliner & Co., New York, N. Y. Filed Oct. 4, 1945. Serial No. 489,885.

Challispun

FOR PIECE GOODS MADE OF ALL SPUN RAYON.
Claims use since as early as May 5, 1936.

428,936. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) Universal Flashlight Co., Inc., Washington, D. C. Filed Oct. 9, 1945. Serial No. 489,700.

Plymouth

FOR RADIO RECEIVING SETS AND PARTS THEREOF.
Claims use since Oct. 1, 1945.

428,937. (CLASS 37. PAPER AND STATIONERY.) Earl J. Early, Drexel Hill, Pa. Filed Oct. 27, 1945. Serial No. 490,583.

KLIP-TACK

FOR METAL CLIPS USED FOR FASTENING PAPERS TO A SURFACE.
Claims use since Aug. 31, 1917.

428,938. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) The Motloid Company, Inc., Chicago, Ill. Filed Oct. 27, 1945. Serial No. 490,602.

"Deeoxid"

FOR DENTAL FLUX RODS.
Claims use since on or about May 1, 1945.

428,939. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) John M. Hiss, Los Angeles, Calif. Filed Nov. 29, 1945. Serial No. 492,376.

Cuboid Balancer

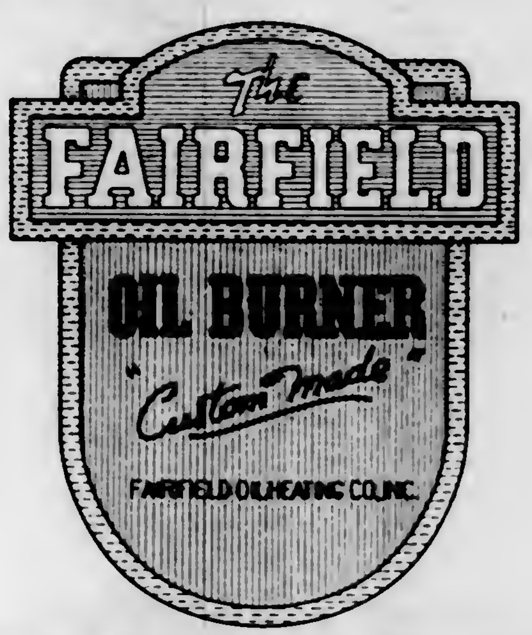
FOR CORRECTIVE SHOE INSERTS FOR SUPPORTING THE CUBOID BONE AND FOR PROPERLY DISTRIBUTING THE WEIGHT OF THE USER, SAID INSERTS BEING MADE OF RUBBER, LEATHER, CLOTH, AND COMBINATIONS OF THESE MATERIALS.
Claims use since Mar. 1, 1945.

428,940. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) Camfield Manufacturing Company, Grand Haven, Mich., assignor to Camfield Manufacturing Company, a corporation of Michigan. Filed Dec. 8, 1945. Serial No. 492,891.

FLUOR-O-SHIELD

FOR FLUORESCENT LIGHT SHIELDS.
Claims use since Oct. 25, 1945.

428,941. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) Fairfield Oil Heating Co., Inc., Greenwich, Conn. Filed Jan. 4, 1946. Serial No. 494,264.



The trade-mark has a red background with a gray or silver colored outline upon which is superimposted the words "The Fairfield" on a dark blue background outlined in gray or silver color.
FOR OIL BURNERS AND OIL BURNING BOILERS AND FURNACES.
Claims use since July 31, 1941.

428,942. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) Robert W. Berry, doing business as Berry-Lebeck Mfg. Co., California, Mo. Filed Jan. 25, 1946. Serial No. 495,358.

NO FOUL

FOR FISH LURES.
Claims use since Jan. 11, 1946.

428,943. (CLASS 37. PAPER AND STATIONERY.) Wilson Jones Company, Chicago, Ill. Filed Jan. 30, 1946. Serial No. 495,712.

PRESSURE LOCK

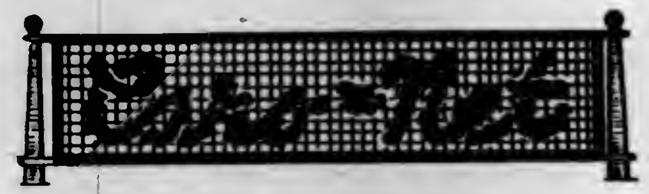
FOR LOOSE LEAF BINDERS.
Claims use since Jan. 2, 1934.

428,944. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) Perrycraft Corporation, Providence, R. I. Filed Feb. 8, 1946. Serial No. 496,268.

PERRYCRAFT

FOR TOY MODEL AIRCRAFT AND PARTS THEREOF.
Claims use since Dec. 6, 1945.

428,945. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) The Carbon Net Company, Two Rivers, Wis. Filed Feb. 9, 1946. Serial No. 496,299.



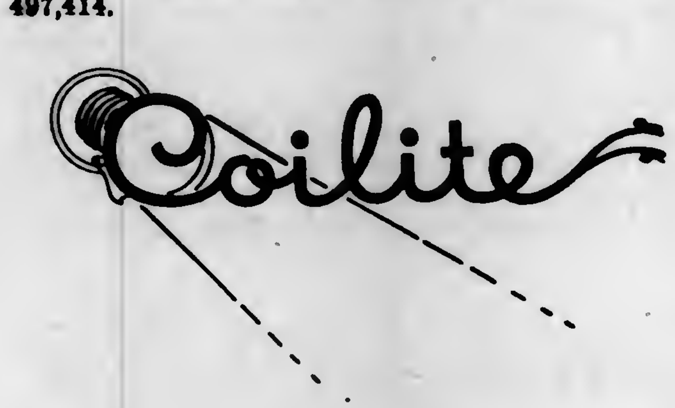
FOR TENNIS NETS, BADMINTON NETS, AND FISH NETS.
Claims use since June 15, 1945.

428,946. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) Edgelite Inc., New York, N. Y., assignor to New Hermes Engravers, New York, N. Y. Filed Feb. 12, 1946. Serial No. 496,437.

EDGELITE

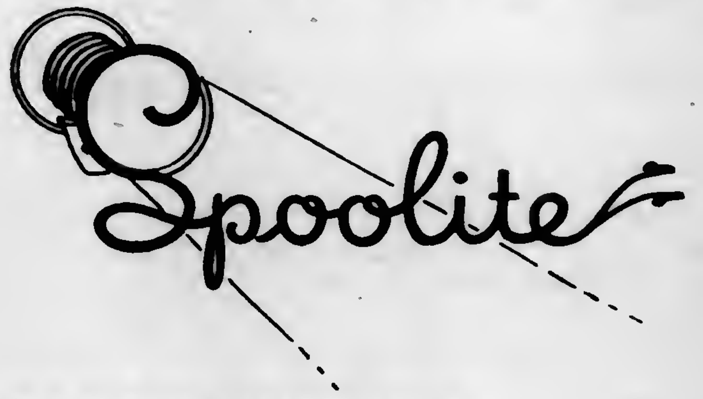
FOR ELECTRICAL SIGNS.
Claims use since Oct. 1, 1945.

428,947. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) The Robbek Company, Norwalk, Conn. Filed Feb. 28, 1946. Serial No. 497,414.



FOR ELECTRIC SEARCH LIGHTS.
Claims use since December 1945.

428,948. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) The Robeek Company, Norwalk, Conn. Filed Feb. 28, 1946. Serial No. 497,415.



FOR ELECTRIC SEARCH LIGHTS.
Claims use since December 1945.

428,949. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) Kellogg Switchboard and Supply Company, Chicago, Ill. Filed Mar. 2, 1946. Serial No. 497,545.

XACT

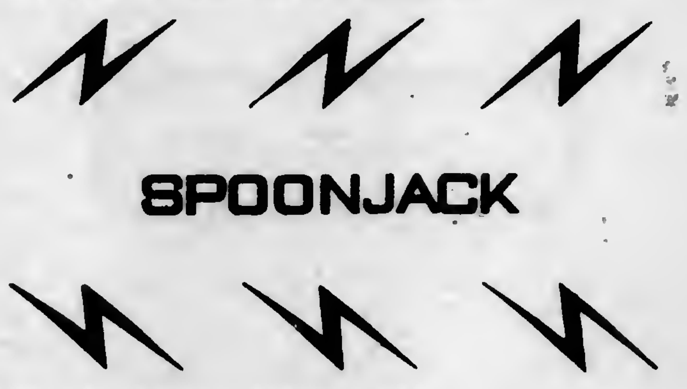
FOR EXTENSIBLE ELECTRICAL CORDS.
Claims use since Jan. 25, 1946.

428,950. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) St. George Proofing Co., Inc., New York, N. Y. Filed Mar. 2, 1946. Serial No. 497,579.

SUPERSEAL

FOR DRESS SHIELDS.
Claims use since Feb. 2, 1946.

428,951. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) Raymond J. Hansen, Grand Rapids, Mich. Filed Mar. 16, 1946. Serial No. 498,348.



FOR ARTIFICIAL FISH LURES.
Claims use since Feb. 18, 1946.

428,952. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) Cory Glass Coffee Brewer Co., Chicago, Ill., assignor to Cory Corporation, a corporation of Delaware. Filed Mar. 29, 1946. Serial No. 499,206.

SPEED-RAY

FOR HEATING ELEMENTS FOR ELECTRIC STOVES.
Claims use since Mar. 25, 1945.

428,953. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) The Positive Safety Manufacturing Company, Cleveland, Ohio. Filed Apr. 4, 1946. Serial No. 499,660.

POSSONS POSITIVE

FOR AUTOMATIC MECHANICAL SAFETY APPARATUS FOR USE IN FORCIBLY WITHDRAWING THE HANDS OF THE OPERATOR OF SUCH DANGEROUS MACHINERY AS PUNCH PRESSES AND THE LIKE, WHEN THE SAME ARE PLACED IN DANGEROUS POSITIONS IN RESPECT TO SUCH MACHINERY.
Claims use since July 1924.

428,954. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS). The Vulcan Radiator Company, Hartford, Conn. Filed Apr. 12, 1946. Serial No. 500,151.

RADI-VECTOR

FOR CONVECTOR TYPE RADIATORS.
Claims use since Jan. 3, 1946.

428,955. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) Apex Products Corporation, New York, N. Y. Filed May 1, 1946. Serial No. 501,227.

CHIP CHOP

FOR ICE PICKS AND ICE CHOPPERS.
Claims use since 1938.

428,956. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) Kellogg Switchboard and Supply Company, Chicago, Ill. Filed May 15, 1946. Serial No. 502,140.

TWISTICORD

FOR EXTENSIBLE ELECTRICAL CORDS.
Claims use since Feb. 14, 1946.

428,957. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) Kellogg Switchboard and Supply Company, Chicago, Ill. Filed May 18, 1946. Serial No. 502,376.

AUTOCOIL

FOR EXTENSIBLE ELECTRICAL CORDS.
Claims use since Feb. 11, 1946.

428,958. (CLASS 27. HOROLOGICAL INSTRUMENTS.) Joseph E. Fishbein, doing business as Rulon Watch Co., New York, N. Y. Filed May 25, 1946. Serial No. 502,742.

Rulon

FOR WATCHES, CLOCKS, AND WATCH BRACELETS ATTACHED TO THE WATCHES.
Claims use since Feb. 10, 1945.

428,959. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) Klenzade Products, Incorporated, Beloit, Wis. Filed June 15, 1946. Serial No. 503,986.

Neutral Kleen

FOR DETERGENT PREPARATION FOR CLEANSING DAIRY FARM EQUIPMENT.
Claims use since Jan. 1, 1945.

428,960. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) George R Penn, doing business as Penn Specialty Co., Danville, Va. Filed June 25, 1946. Serial No. 504,579.

"HOLD-TITE"

FOR ELECTRIC AUTO-EMERGENCY LIGHTS.
Claims use since January 1934.

428,961. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) Picker X-Ray Corporation Waite Manufacturing Division, Inc., Cleveland, Ohio. Filed July 13, 1946. Serial No. 505,615.

AIRFLOW

FOR PORTABLE X-RAY TUBE HEADS AND PORTABLE AND STATIONARY X-RAY TUBE HOUSINGS.
Claims use since May 3, 1942.

428,962. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) Silk-O-Lite Mfg. Corp., New York, N. Y. Filed Oct. 5, 1946. Serial No. 510,363.

SILK-O-LITE

FOR LAMP SHADES.
Claims use since 1926.

TRADE-MARK REGISTRATIONS RENEWED

29,224. **REPRESENTATION OF A NARROW BAND IN COLOR.** PREPARED FISH, AND ESPECIALLY SALTED AND BONELESS FISH. Registered Dec. 1, 1896. J. W. Beardsley's Sons, New York, N. Y. Re-renewed Dec. 1, 1946, to J. W. Beardsley's Sons, Newark, N. J., a corporation of New Jersey. Class 46.

29,634. **REPRESENTATION OF A ROOSTER.** CITRUS FRUITS, TO WIT: ORANGES, LEMONS AND GRAPEFRUIT. Registered Mar. 2, 1897. William B. Wall, Tustin, Calif. Re-renewed Mar. 2, 1947, to Santiago Orange Growers Association, Orange, Calif., a corporation of California. Class 46.

29,674. **"ANNIN & CO." ETC.** FLAGS, BUNTING, AND DECORATIONS. Registered Mar. 9, 1897. Annin & Co. Re-renewed Mar. 9, 1947, to Annin & Co., New York, N. Y., a corporation of New York. Class 50.

56,003. **TRIUMPH.** AUTOMATIC PIANO-PLAYERS. Registered Aug. 21, 1906. Autopiano Company. Re-renewed Aug. 21, 1946, to Kohler & Campbell, Inc., New York, N. Y., a corporation of New York. Class 36.

56,558. **I-XL.** POCKET AND TABLE KNIVES, BUTCHERS', BOWIE, AND FARRIERS' KNIVES, SCISSORS, AND RAZORS. Registered Oct. 9, 1906. George Wostenholm & Son, Limited, Sheffield, England, and New York, N. Y. Re-renewed Oct. 9, 1946, to George Wostenholm & Son, Limited, Sheffield, England, a corporation of Great Britain and Northern Ireland. Class 23.

57,208. **"WILLIAM S. BROWN" AND PORTRAIT.** A REMEDY FOR DISEASE OF STOCK AND POULTRY. Registered Nov. 6, 1906. William S. Brown, Rogersville, Tenn. Re-renewed Nov. 6, 1946, to O. L. Wall, doing business as Brown Stock Medicine Co., Morristown, Tenn. Class 6.

57,245. **CARBONA.** A CLEANING AND POLISHING PREPARATION. Registered Nov. 6, 1906. Marshall Chemical Company, Marshall, Va. Re-renewed Nov. 6, 1946, to Carbona Products Company, New York, N. Y., a corporation of New Jersey. Class 4.

57,327. **P. O. N.** ALES, PORTER, HALF-AND-HALF, AND BROWN STOUT. Registered Nov. 13, 1906. Christian Feigenspan, a corporation. Re-renewed Nov. 13, 1946, to P. Ballantine & Sons, Newark, N. J., a corporation of New Jersey. Class 48.

57,332. **MARVELO.** OIL-PAINTS, VARNISHES, AND ENAMELS. Registered Nov. 13, 1906. The Muralo Company, New York, N. Y. Re-renewed Nov. 13, 1946, to The Muralo Company, Inc., Staten Island, N. Y., a corporation of New York. Class 16.

57,572. **P. B.** ALE, LAGER-BEER, AND PORTER. Registered Nov. 13, 1906. Alonzo G. Van Nostrand, Boston, Mass. Re-renewed Nov. 13, 1946, to P. Ballantine & Sons, Newark, N. J., a corporation of New Jersey. Class 48.

58,283. **KOHLER.** PIANOS. Registered Dec. 11, 1906. Kohler & Campbell. Re-renewed Dec. 11, 1946, to Kohler & Campbell, Inc., New York, N. Y., a corporation of New York. Class 36.

58,438. **COLLEEN.** SOAP. Registered Dec. 18, 1906. David Brown & Son Limited. Re-renewed Dec. 18, 1946, to McClintons Limited, Donaghmore, Northern Ireland, a corporation of Northern Ireland. Class 4.

58,506. **"STANDARD".** METAL BATH TUBS, SINKS, LAVATORIES, WATER CLOSETS, TANKS AND THE PIPES AND FITTINGS BELONGING THERETO. Registered Dec. 18, 1906. Standard Sanitary Mfg. Co. Re-renewed Dec. 18, 1946, to American Radiators & Standard Sanitary Corporation, Pittsburgh, Pa., a corporation of Delaware. Class 13.

59,013. **EXCELSIOR.** DRAWING INSTRUMENTS, COMPRISING COMPASSES, DIVIDERS, BOW-PENS, DRAWING-PENS, PROTRACTORS, KEYS FOR COMPASSES, CURVES, RULERS, AND ANGLES. Registered Dec. 25, 1906. Keuffel & Esser Company, Hoboken, N. J., a corporation of New Jersey. Re-renewed Dec. 25, 1946. Class 26.

59,232. **"DOMINO" AND DRAWING.** WHEAT-FLOUR. Registered Jan. 1, 1907. Schwabacher Bros. & Co., Inc., Seattle, Wash., a corporation of Washington. Re-renewed Jan. 1, 1947. Class 46.

60,287. **AD-EL-ITE.** PAINTS, VARNISHES, PAINT-COLORS, STAINS, FILLERS, ENAMELS, PAINTERS' SLATINGS, PAINTERS' POLISHES, PAINTERS' FINISHES, PAINTERS' WAXES, FLOOR-WAXES, AND PAINT, VARNISH AND ENAMEL REMOVERS. Registered Feb. 5, 1907. Adams & Elting Co., Chicago, Ill. Re-renewed Feb. 5, 1947, to The Glidden Company, Cleveland, Ohio, a corporation of Ohio. Class 16.

60,355. **ELONGATED PANEL DESIGN.** HEADWEAR FOR MEN, WOMEN, BOYS, AND GIRLS—THAT IS, HATS, CAPS, BONNETS, AND TOQUES—MADE IN WHOLE OR IN PART OF FELT, STRAW BRAID, TEXTILE FABRICS, OR FURS. Registered Feb. 5, 1907. Dunlap & Co., New York, N. Y. Re-renewed Feb. 5, 1947, to Hat Corporation of America, Norwalk, Conn., a corporation of Delaware. Class 39.

60,356. **"DUNLAP & CO" AND ELONGATED PANEL DESIGN.** WOMEN'S HEADWEAR—THAT IS, BONNETS, HATS, TOQUES, AND CAPS—MADE IN WHOLE OR IN PART OF FELT, STRAW, BRAID, TEXTILE FABRICS, OR FURS. Registered Feb. 5, 1907. Dunlap & Co., New York, N. Y. Re-renewed Feb. 5, 1947, to Hat Corporation of America, Norwalk, Conn., a corporation of Delaware. Class 39.

60,767. **"VIM" ETC. AND DESIGN.** LEATHER BELTING, LEATHER PACKING, AND LEATHER WASHERS. Registered Feb. 19, 1907. E. F. Houghton & Co. Re-renewed Feb. 19, 1947, to E. F. Houghton & Co., Philadelphia, Pa., a corporation of Pennsylvania. Class 35.

60,818. **REPRESENTATION OF EAGLE AND STAR WITHIN CIRCLE.** LEATHER FOR SHOES, HARNESS, AND GLOVES. Registered Feb. 19, 1907. Albert Trostel & Sons. Re-renewed Feb. 19, 1947, to Albert Trostel & Sons Company, Milwaukee, Wis., a corporation of Wisconsin. Class 1.

61,170. **"MA-KNIT" ETC.** KNITTED SOCKS AND STOCKINGS. Registered Mar. 5, 1907. Magnet Knitting Mills. Re-renewed Mar. 5, 1947, to Magnet Mills, Inc., Clinton, Tenn., a corporation of Delaware. Class 39.

210,901. **GALA FOREST.** OVERCOATS. Registered Mar. 23, 1926. J. & J. C. Dorward Limited, Galashiels, Scotland, a corporation of Great Britain. Renewed Mar. 23, 1946. Class 39.

216,858. **DRONAMIN.** AMPULES USED FOR INJECTION AGAINST FRAMBOESIA AND OTHER DISEASES, AND AS A DISINFECTANT. Registered Aug. 24, 1926. Deutsche Gold- und Silber-Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany. Vested in the Alien Property Custodian, Washington, D. C., and renewed to him Aug. 24, 1946. Class 6.

216,859. **FRACASTAN.** AMPULES USED FOR INJECTION AGAINST FRAMBOESIA AND OTHER DISEASES, AND AS A DISINFECTANT. Registered Aug. 24, 1926. Deutsche Gold- und Silber-Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany. Vested in the Alien Property Custodian, Washington, D. C., and renewed to him Aug. 24, 1946. Class 6.

217,888. **"JOLIES" ETC. AND DESIGN.** PLATED-PRECIOUS-METAL-TRIMMED CIGAR, PIPE, AND CIGARETTE HOLDERS; SILVER TOILET WARE, GOLD-PLATED MINIATURE STATUES, PLATED-PRECIOUS-METAL CARDCASES, PLATED-PRECIOUS-METAL BOTTLES OR CONTAINERS, AND PLATED-PRECIOUS-METAL WALL ORNAMENTS. Registered Sept. 14, 1926. Samuel C. Warshaw, doing business as Jolies, Albany, N. Y. Renewed Sept. 14, 1946. Class 28.

218,190. **GALA FOREST.** WOOLEN GOODS IN THE PIECE. Registered Sept. 21, 1926. J. & J. C. Dorward Limited, Galashiels, Scotland, a corporation of Great Britain. Renewed Sept. 21, 1946. Class 42.

218,748. **RORIC.** WATCH MOVEMENTS AND WATCHCASES. Registered Oct. 5, 1926. Illinois Watch Case Co. Renewed Oct. 5, 1946, to Illinois Watch Case Co., Elgin, Ill., a corporation of Illinois. Class 27.

218,780. **CIVIC.** WATCH MOVEMENTS AND WATCHCASES. Registered Oct. 5, 1926. Illinois Watch Case Co. Renewed Oct. 5, 1946, to Illinois Watch Case Co., Elgin, Ill., a corporation of Illinois. Class 27.

219,054. **"BLUE TOP" ETC. AND DESIGN.** NON-SAPONACEOUS CLEANING POWDERS ADAPTED TO BE DISSOLVED IN WATER, FORMING A LIQUID CLEANER FOR REMOVING DIRT AND GREASE FROM SURFACES. Registered Oct. 12, 1926. The Doyle-Clute-Carlisle-Braham Co. Renewed Oct. 12, 1946, to W. A. Doyle, doing business as W. A. Doyle Company, Cleveland, Ohio. Class 4.

219,391. **TINTZ.** READY-MIXED PAINTS. Registered Oct. 19, 1926. Frank Bownes Company, Inc, Lynn, Mass. Renewed Oct. 19, 1946, to Frank Bownes Company, Chelsea, Mass., a corporation of Massachusetts. Class 16.

219,420. **"KB" AND DESIGN.** TABLETS, PRACTICE PAPER, BLANK LABELS, NOTE AND COMPOSITION BOOKS, BLACKBOARD ERASERS, WAX AND CHALK CRAYONS, PENCIL SHARPENERS, COPY BOOKS, NOTEBOOK COVERS, REPORT BOOKS. Registered Oct. 19, 1926. Kurtz Bros., Clearfield, Pa., a corporation of Pennsylvania. Renewed Oct. 19, 1946. Class 37.

219,511. **"MOONLITE" ETC. AND ILLUSTRATION OF MOON.** CARBONATED, NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. Registered Oct. 19, 1926. Wm. Tehel, doing business as Wm. Tehel Bottling Company. Renewed Oct. 19, 1946, to Wm. Tehel Bottling Company, Cedar Rapids, Iowa, a firm. Class 45.

219,854. **TEMAX.** GAUGE GLASSES. Registered Oct. 26, 1926. Advance Packing & Supply Co., Chicago, Ill., a corporation of Illinois. Renewed Oct. 26, 1946. Class 26.

219,875. **DUBAN.** AWNINGS AND PORCH SHADES. Registered Oct. 26, 1926. The Duban Shade Corporation, Rochester, N. Y. Renewed Oct. 26, 1946, to The Duban Shade Corporation, Honeoye Falls, N. Y., a corporation of New York. Class 50.

220,397. **"W WHEELING CORRUGATING COMPANY" AND DESIGN.** METAL LATH, STEEL CEILINGS, EAVES TROUGH, RIDGE ROLL, FORMED ROOFINGS, HIP SHINGLES, METAL SHINGLES, METAL TILE, ORNAMENTAL RIDGING, BATTEN STRIPS, CORNER BEAD, CORNER SHIELDS, FORMED SIDINGS, WALL TIES, AND TIN FLASHINGS. Registered Nov. 9, 1926. Wheeling Corrugating Company, Wheeling, W. Va., a corporation of West Virginia. Renewed Nov. 9, 1946. Class 12.

220,462. **OKEH.** MEASURING TAPES. Registered Nov. 9, 1926. Keuffel & Esser Company, Hoboken, N. J., a corporation of New Jersey. Renewed Nov. 9, 1946. Class 26.

220,506. **DYTAC.** LUBRICATING OIL AND LUBRICATING GREASE. Registered Nov. 9, 1926. Swan-Finch Oil Corporation, New York, N. Y., a corporation of New York. Renewed Nov. 9, 1946. Class 15.

221,040. **"TAYLOR MADE" ETC.** BEDROOM FURNITURE, MORE PARTICULARLY DRESSERS, VANITY DRESSERS, MEN'S CHESTS, CHIFFOROBES, TOILET TABLES, NIGHT TABLES, AND BEDS (NOT INCLUDING SPRINGS). Registered Nov. 23, 1926. Jamestown Table Company, Jamestown, N. Y., a corporation of New York. Renewed Nov. 23, 1946. Class 32.

221,063. **SAG-NO-MOR.** KNITTED PIECE GOODS MADE OF WOOL, WORSTED, RAYON, AND SILK, OR COMBINATIONS THEREOF. Registered Nov. 23, 1926. I. A. Wyner & Co., Inc., New York, N. Y., a corporation of New York. Renewed Nov. 23, 1946. Class 42.

221,445. **BAKER'S MASTER-GLOSS.** DRY, PASTE, OR READY-MIXED PAINTS AND VARNISHES. Registered Nov. 30, 1926. Baker Paint & Varnish Co., Jersey City, N. J., a corporation of New Jersey. Renewed Nov. 30, 1946. Class 16.

222,339. **REPRESENTATION OF A RED-COLORED STAR.** LEMON SODA, SODA WATER, SARSAPARILLA, GINGER ALE, ROOT BEER, AND BIRCH BEER. Registered Dec. 28, 1926. R. H. Macy & Co., Inc., New York, N. Y., a corporation of New York. Renewed Dec. 28, 1946. Class 45.

222,443. **NUTEX.** COMPOSITION FELT ROOFING. Registered Jan. 4, 1927. The Texas Company, Houston, Tex., and New York, N. Y. Renewed Jan. 4, 1947, to The Texas Company, New York, N. Y., a corporation of Delaware. Class 12.

222,456. **MYERS.** PUMPS. Registered Jan. 4, 1927. The F. E. Myers & Bro. Company, Ashland, Ohio, a corporation of Ohio. Renewed Jan. 4, 1947. Class 23.

222,631. **"BEARCAT" AND DRAWING.** LIQUID MOTOR FUEL. Registered Jan. 4, 1927. The Denver Powerine Company. Renewed Jan. 4, 1947, to The Powerine Company, Denver, Colo., a corporation of Colorado. Class 15.

222,774. **"BLUE ANCHOR" AND DESIGN.** FRESH CHERRIES, APRICOTS, PEACHES, PEARS, PLUMS, GRAPES, APPLES, PRUNES, FIGS, PERSIMMONS, POMEGRANATES, NECTARINES, QUINCES. Registered Jan. 11, 1927. California Fruit Exchange, Sacramento, Calif., a corporation of California. Renewed Jan. 11, 1947. Class 46.

222,911. **"AIRUBBER" AND DRAWING.** RUBBER INFLATABLE SWIMMING DEVICES. Registered Jan. 11, 1927. Airubber Corporation, Chicago, Ill. Renewed Jan. 11, 1947, to New York Rubber Corporation, New York, N. Y., a corporation of New York. Class 22.

222,949. **PICKWICK.** PAPER BAGS. Registered Jan. 11, 1927. Kansas City Wholesale Grocery Co. Renewed Jan. 11, 1947, to Pickwick Products, Inc., Kansas City, Mo., a corporation of Missouri Class 2.

222,962. **"SELF CLOSING MONKEY LINK" AND DRAWING.** REPAIR LINKS FOR TIRE CHAINS. Registered Jan. 11, 1927. Flower City Specialty Company, Rochester, N. Y., a corporation of New York. Renewed Jan. 11, 1947. Class 13.

223,068. **WHITE ROSE.** CANNED FRUITS AND VEGETABLES—NAMELY, PINEAPPLES, PEACHES, CHERRIES, PLUMS, LOGANBERRIES, STRAWBERRIES, APPLES, RASPBERRIES, BLACKBERRIES, BLUEBERRIES, GRAPES, GRAPEFRUIT, PRUNES, FRUIT SALAD, SAUERKAUT, SWEET POTATOES, TOMATOES, BEANS AND CERTAIN OTHER NAMED FOODS. Registered Jan. 18, 1927. Seeman Brothers, Inc., New York, N. Y., a corporation of New York. Renewed Jan. 18, 1947. Class 46.

223,069. **WHITE ROSE.** CITRON, RAISINS, CURRANTS, APPLES, PEACHES (PEELED AND UNPEELED), APRICOTS, DATES, CHERRIES, FIGS, PRUNES, NUTS (SHELLED AND UNSHELLED), ORANGE PEEL, LEMON PEEL, PEAS, BEANS, AND LENTILS, ALL DRIED OR EVAPORATED. Registered Jan. 18, 1927. Seeman Brothers, Inc., New York, N. Y., a corporation of New York. Renewed Jan. 18, 1947. Class 46.

223,119. **TRAFFIC WORLD.** PERIODICAL. Registered Jan. 18, 1927. The Traffic Service Corporation, Chicago, Ill., a corporation of Illinois. Renewed Jan. 18, 1947. Class 38.

223,202. **PENNEX.** LUBRICATING OILS, LUBRICATING GREASES, AND CUTTING LUBRICANTS. Registered Jan. 18, 1927. Pennsylvania Lubricating Company, Pittsburgh, Pa. Renewed Jan. 18, 1947, to Standard Oil Company of New Jersey, Wilmington, Del., a corporation of Delaware. Class 15.

223,216. **REPRESENTATION OF LADY'S FACE AND ARMS ABOVE REPRESENTATION OF A HEART.** SHOE CLEANING AND POLISHING PREPARATIONS. Registered Jan. 18, 1927. Barton Manufacturing Company. Renewed Jan. 18, 1947, to Barton Manufacturing Company, St. Louis, Mo., a corporation of Missouri. Class 4.

223,259. **PRESIDENT.** WATCHES. Registered Jan. 25, 1927. Bulova Watch Company, Inc., New York, N. Y., a corporation of New York. Renewed Jan. 25, 1947. Class 27.

223,290. **WHITE ROSE.** BEANS WITH PORK, BEEF CUBES, MINCEMEAT, PLUM PUDDING, BONED CHICKEN, TUNNY FISH, SHAD, SHAD ROE, SALMON, LOBSTER PASTE, DRY SHRIMP, WET SHRIMP, DRIED CODFISH, CLAMS, AND CLAM CHOWDER, ALL THE ABOVE BEING CANNED WITH THE EXCEPTION OF THE BEEF CUBES AND CODFISH. Registered Feb. 1, 1927. Seeman Brothers, Inc., New York, N. Y., a corporation of New York. Renewed Feb. 1, 1947. Class 46.

223,311. **"PYROLITE COAL" AND DESIGN.** COAL. Registered Feb. 1, 1927. Chicago, Wilmington & Franklin Coal Company, Chicago, Ill., a corporation of Massachusetts. Renewed Feb. 1, 1947. Class 1.

223,312. **"ORIENT COAL" AND DESIGN.** COAL. Registered Feb. 1, 1927. Chicago, Wilmington & Franklin Coal Company, Chicago, Ill., a corporation of Massachusetts. Renewed Feb. 1, 1947. Class 1.

223,346. **WHITE ROSE.** TABLE SALT, BICARBONATE OF SODA, BALL BLUE, AND BORAX. Registered Feb. 1, 1927. Seeman Brothers, Inc., New York, N. Y., a corporation of New York. Renewed Feb. 1, 1947. Classes 6 and 46.

223,569. **HILBRIDGE.** MEN'S SUITS, NEGLIGEE SHIRTS OF TEXTILE FABRIC, PYJAMAS, AND UNDERWEAR OF TEXTILE FABRIC. Registered Feb. 8, 1927. Albert Steiger, Inc., Springfield, Mass., a corporation of Massachusetts. Renewed Feb. 8, 1947. Class 39.

223,575. **REPRESENTATION OF MAN IN CARRIAGE, ETC.** SUITS AND OVERCOATS FOR MEN. Registered Feb. 8, 1927. Pauson & Company. Renewed Feb. 8, 1947, to Pauson & Company, San Francisco, Calif., a corporation of Nevada. Class 39.

223,623. **NYALGESIC.** LIQUID ANALGESIC FOR PAIN. Registered Feb. 8, 1927. Nyal Company, Detroit, Mich., a corporation of Michigan. Renewed Feb. 8, 1947. Class 6.

223,646. **"SCHERK" AND DESIGN.** PERFUMERY, COSMETICS—NAMELY, FACE POWDER, TALCUM POWDER, FACE CREAM, ROUGE, FACE LOTION, AFTER-SHAVING LOTION; HAIR TONIC, MOUTH WASH, TOOTH PASTE, ETHEREAL OILS, STARCHES AND STARCH PREPARATIONS, BATH SALTS, AND DISINFECTANTS. Registered Feb. 8, 1927. Ludwig Scherk, doing business as Parfumerie Scherk, Berlin, Germany. Renewed Feb. 8, 1947, to Ludwig Scherk, Inc., Brooklyn, N. Y., a corporation of New York. Class 6.

223,651. **REPRESENTATION OF TWO OVALS, ANCHOR, ETC.** CHOCOLATE, COCOA, AND CANDY. Registered Feb. 8, 1927. Henry Maillard, Inc., Long Island City, N. Y. Renewed Feb. 8, 1947, to The Maillard Corporation, New York, N. Y., a corporation of New York. Class 46.

223,719. **"BETTY BINGHAM" ETC. AND DESIGN.** CLOTHING—NAMELY, LEATHER SHOES, CORSETS, HOSIERY, DRESSES, WOMEN'S COATS, NEGLIGEE AND KNITTED AND TEXTILE FABRIC UNDERSHIRTS, BLOUSES, WOMEN'S SUITS, LINGERIE, AND WOMEN'S HATS. Registered Feb. 8, 1927. Hills, McLean & Haskins, Incorporated, Binghamton, N. Y., a corporation of New York. Renewed Feb. 8, 1947. Class 39.

223,725. **REPRESENTATION OF AN OILCLOTH TICKET SECURED ACROSS A BACK POCKET OF OVERALLS.** OVERALLS. Registered Feb. 8, 1927. Levi Strauss and Company, San Francisco, Calif., a corporation of California. Renewed Feb. 8, 1947. Class 39.

223,726. **"GOLD NUGGET" AND DRAWING.** CANNED SWEET CORN. Registered Feb. 8, 1927. Merrell Canning Co., Harlan, Iowa, a corporation of Iowa. Renewed Feb. 8, 1947. Class 46.

223,740. **TRAVELER.** HATS FOR MEN. Registered Feb. 8, 1927. Dunlap & Co., New York, N. Y. Renewed Feb. 8, 1947, to Hat Corporation of America, Norwalk, Conn., a corporation of Delaware. Class 39.

223,816. **AIRUBBER.** CUSHIONS AND MATTRESSES. Registered Feb. 8, 1927. Airubber Corporation, Chicago, Ill. Renewed Feb. 8, 1947, to New York Rubber Corporation, New York, N. Y., a corporation of New York. Class 32.

223,881. **WHITE ROSE.** HONEY AND FLAVORING EXTRACTS FOR FOOD PURPOSES. Registered Feb. 15, 1927. Seeman Brothers, Inc., New York, N. Y., a corporation of New York. Renewed Feb. 15, 1947. Class 46.

223,900. **JEL SERT.** FLAVORED GELATIN DESSERT MIXTURE. Registered Feb. 15, 1927. Charles T. Wegner, Jr., doing business as The Jel Sert Co. Renewed Feb. 15, 1947, to The Jel Sert Company, Chicago, Ill., a corporation of Illinois. Class 46.

224,053. **"LAKEWOOD" ETC. AND DESIGN.** FISHING LINE. Registered Feb. 15, 1927. Cullum & Boren Company, Dallas, Tex., a corporation of Texas. Renewed Feb. 15, 1947. Class 22.

224,131. **WHITE ROSE.** TAPIOCA, HOMINY, SAMP, ROLLED OATS, SAGO, CORNSTARCH, FARINA, OATMEAL, BARLEY, RICE, MACARONI, VERMICELLI, SPAGHETTI, NOODLES, AND BIRD FOOD. Registered Feb. 22, 1927. Seeman Brothers, Inc., New York, N. Y., a corporation of New York. Renewed Feb. 22, 1947. Class 46.

224,188. **TRICKLE BAT.** ELECTRIC BATTERIES AND BATTERY CHARGERS. Registered Feb. 22, 1927. Perrine Quality Products Corp., Boston, Mass. Renewed Feb. 22, 1947, to Perrine Quality Products Corporation, Waltham, Mass., a corporation of Massachusetts. Class 21.

224,227. **WHITE ROSE.** WORCESTERSHIRE SAUCE, CRANBERRY SAUCE, CHILI SAUCE, HOT SAUCE, PEPPER SAUCE, MINT SAUCE, TOMATO CATCHUP, MAYONNAISE, CELERY RELISH, SWEET PICKLE RELISH, AND CERTAIN OTHER NAMED FOODS. Registered Feb. 22, 1927. SEEMAN BROTHERS, INC., New York, N. Y., a corporation of New York. Renewed Feb. 22, 1947. Class 46.

224,235. **VICTOR.** CURRENT-CARRYING CONDUCTOR CORD REELS, X-RAY MACHINES FOR COMMERCIAL USE, X-RAY APPARATUS CONSISTING OF TRANSFORMERS AND RECTIFYING SWITCHES, X-RAY TUBES, ELECTRODE HANDLES, HIGH-TENSION SWITCHES, MAGNETIC CIRCUIT BREAKERS, AND CERTAIN OTHER NAMED ELECTRICAL APPARATUS AND MACHINES. Registered Feb. 22, 1927. VICTOR X-RAY CORPORATION. Renewed Feb. 22, 1947, to General Electric X-Ray Corporation, Chicago, Ill., a corporation of New York. Class 21.

224,295. **PICKWICK.** SOAP. Registered Feb. 22, 1927. KANSAS CITY WHOLESALE GROCERY CO. Renewed Feb. 22, 1947, to Pickwick Products, Inc., Kansas City, Mo., a corporation of Missouri. Class 4.

224,353. **NU WAY.** CLEANSERS FOR DISHES, GLASSWARE, WOODWORK, FLOORS, TILE, OR LINOLEUM, WINDOWS, BRASS, PAINTED WALLS, CLOTHES, OR MARBLE. Registered Feb. 22, 1927. WILLIAM A. MARSH. Renewed Feb. 22, 1947, to Howard Burkhalder, Westfield, N. Y. Class 4.

224,470. **"K" WITHIN DIAMOND DESIGN.** FORGINGS. Registered Mar. 1, 1927. KROPP FORGE COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Mar. 1, 1947. Class 14.

224,513. **BUTTERGILT.** BUTTER COLORING FOR COLORING OLEOMARGARINE, BUTTER AND SIMILAR MATERIALS. Registered Mar. 1, 1927. ADINO F. FILES, doing business as Maumee Color Co. Renewed Mar. 1, 1947, to The Maumee Color Company, Maumee, Ohio, a corporation of Ohio. Class 6.

224,558. **CORAL SEA.** CANNED FRUIT—NAMELY, PINEAPPLE. Registered Mar. 1, 1927. HAWAIIAN PINEAPPLE COMPANY, LTD., San Francisco, Calif., and Iwilei, Territory of Hawaii. Renewed Mar. 1, 1947, to Hawaiian Pineapple Company, Limited, Honolulu, Territory of Hawaii, and San Francisco, Calif., a corporation of Hawaii. Class 46.

224,565. **"BOHACK'S BREAD" ETC. AND DESIGN.** BREAD. Registered Mar. 1, 1927. H. C. BOHACK CO., INC., Brooklyn and New York, N. Y. Renewed Mar. 1, 1947, to H. C. Bohack Co. Inc., New York, N. Y., a corporation of New York. Class 46.

224,573. **"RU-BER-OID" AND REPRESENTATION OF A MAN.** PRESERVATIVE AND WATERPROOFING COATINGS HAVING A BITUMINOUS BASE. Registered Mar. 1, 1927. THE RUBEROID CO., Boundbrook, N. J., and New York, N. Y., a corporation of New Jersey. Renewed Mar. 1, 1947. Class 16.

224,679. **UDYLITE.** CADMIUM PLATING, ANODES, AND ANODE SUPPORTS. Registered Mar. 1, 1927. UDYLITE PROCESS COMPANY, Kokomo, Ind. Renewed Mar. 1, 1947, to The Udylite Corporation, Detroit, Mich., a corporation of Delaware. Class 14.

224,702. **STIPPELEN.** READY-MIXED WALL-FINISH PAINTS. Registered Mar. 1, 1927. THE HANNA PAINT MANUFACTURING COMPANY, Columbus, Ohio, a corporation of Ohio. Renewed Mar. 1, 1947. Class 16.

224,735. **"AUTO-KING" AND DESIGN.** SOAPS. Registered Mar. 1, 1927. NATIONAL SOAP CO., Detroit, Mich., a corporation of Michigan. Renewed Mar. 1, 1947. Class 4.

224,756. **"BLUE RIBBON" ETC. AND DESIGN.** FLORISTS' SUPPLIES CONSISTING OF RIBBONS FOR TYING FLOWERS AND CHIFFONS FOR FLOWER BOUQUETS. Registered Mar. 1, 1927. JAMES C. NIELSEN, doing business as J. C. Nielsen Co., Chicago, Ill. Renewed Mar. 1, 1947. Class 42.

224,762. **UNISITE.** OPHTHALMIC LENSES AND BLANKS. Registered Mar. 1, 1927. UNISITE LENS COMPANY, INC. Renewed Mar. 1, 1947, to Nathaniel Singer, New York, N. Y. Class 26.

224,898. **"PLASTOY" ETC. AND DRAWING.** PACKAGED MODELING CLAY FOR KINDERGARTEN USE. Registered Mar. 8, 1927. ILLINOIS CLAY PRODUCTS COMPANY, Joliet, Ill., a corporation of Illinois. Renewed Mar. 8, 1947. Class 22.

225,086. **LETTY.** SOAP. Registered Mar. 8 ,1927. THE PALMOLIVE COMPANY, Chicago, Ill. Renewed Mar. 8, 1947, to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware. Class 4.

228,507. **TRIUMPH.** FOUNTAIN PENS AND PENCILS. Registered June 7, 1927. SALZ BROS., INC., New York, N. Y. Renewed June 7, 1947, to W. A. Sheaffer Pen Company, Fort Madison, Iowa, a corporation of Delaware. Class 37.

REISSUES

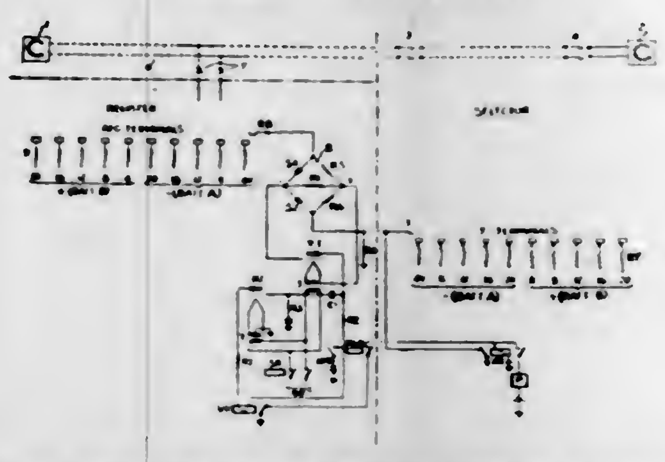
APRIL 8, 1947

22,861
ELECTRIC SELECTION CONTROLLING CIRCUIT

Gerald Deakin, New York, N. Y., and Henry F. Herbig, Madison, N. J., assignors to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Original No. 2,354,668, dated August 1, 1944, Serial No. 485,830, May 6, 1943. Application for reissue April 23, 1945, Serial No. 589,820

21 Claims. (Cl. 179—18)



1. In combination, a selector switch having a plurality of first contacts and a second cooperating contact, a magnet for controlling the contacting of the second with any of the first contacts, a register having a plurality of first contacts and a second contact, means for controlling the engagement between the first and second register contacts, a relay for said register having a contact for controlling the magnet, a vacuum tube in said register having a cathode, a grid and an anode, a source of potential, connections for applying the same potentials to the first contacts of the register and selector, there being a predetermined difference between the potentials applied to adjacent first contacts, an energizing circuit for said relay controlled by said vacuum tube, a circuit connecting the second contacts of the register and selector, and connections from the last-mentioned circuit to the grid and cathode of said tube.

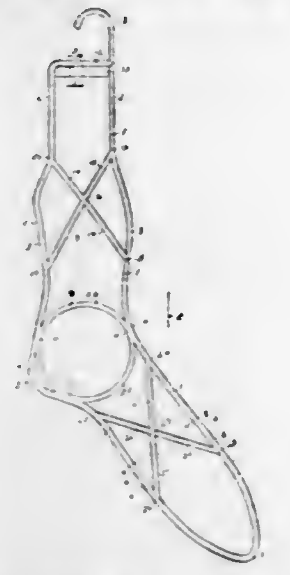
22,862
SOCK DRIER

Haford G. Kerbawy, Blissfield, Mich., assignor to Alexander G. Kerby, Cleveland, Ohio

Original No. 2,400,203, dated May 14, 1946, Serial No. 573,784, January 20, 1945. Application for reissue January 9, 1947, Serial No. 721,000

8 Claims. (Cl. 223—75)

1. A sock drier device comprising an outer peripheral element having the shape and size of the interior of a flattened sock; the peripheral element having oppositely spaced leg portions, oppositely spaced foot portions, and oppositely spaced heel and ankle portions; tie elements tying the leg portions together and extending in two diagonal directions therebetween; the elements tying the foot portions together and extending in two diagonal directions therebetween; and tie elements tying the heel and ankle portions together; the tie elements and the peripheral element being integrally united, and formed in a single piece from molded plastic material, and all lying in substantially a plane.

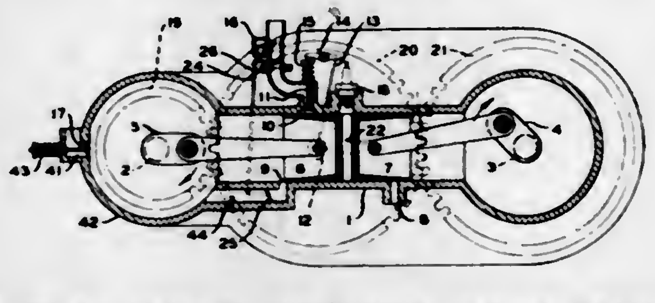


22,863
INTERNAL-COMBUSTION ENGINE

Marion Mallory, Detroit, Mich.

Original No. 2,345,056, dated March 28, 1944, Serial No. 421,608, December 4, 1941. Application for reissue March 6, 1946, Serial No. 652,295

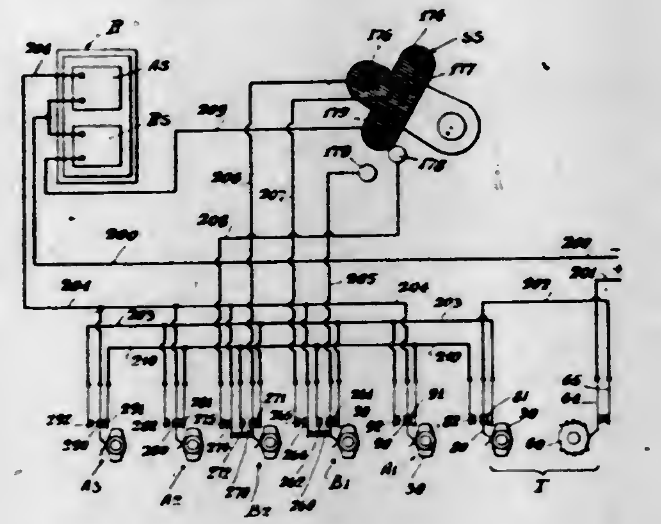
27 Claims. (Cl. 123—51)



2. In an internal combustion engine having a cylinder with open ends, a crankshaft located at each end of said cylinder, a piston connected to each of said crankshafts, said crankshafts being geared together with a ratio of two-to-one to cause one of the piston to make four strokes in said cylinder while the other piston makes two strokes to produce one compression stroke every revolution of one of the crankshafts and every other revolution of the other crankshaft, said maximum compression occurring at a time when the faster traveling crankshaft is on or at near dead center and the slower traveling crankshaft is considerably past dead center, said pistons being shaped to form a combustion chamber between them, an ignition chamber having a communication with the combustion chamber covered and uncovered by the slower traveling piston so that said ignition chamber communicates with said combustion chamber only when the compression is near its maximum or the desired ignition time, and an engine driven injection nozzle timed to inject fuel into the combustion chamber on the compression stroke.

22,864
WATCHMAN'S SIGNAL SYSTEM

Edward A. Schachinger, New York, N. Y.
Original No. 2,376,389, dated May 22, 1945, Serial No. 415,863, October 21, 1941. Application for reissue May 18, 1946, Serial No. 670,697
23 Claims. (Cl. 177—360)



11. A watchman's signal system comprising a transmitter station, a plurality of preliminary stations, said transmitter and preliminary stations each having a lock, a switch and means operable upon actuation of the lock to change the switch from one to another contact position, the locks of at least certain of the stations each being provided with a tumbler combination determining element, means operable upon actuation of the lock to change the tumbler combination thereof for the next subsequent operation, and a circuit so associated with the switches that when each switch is in a predetermined position upon actuation of the transmitter a routine signal is transmitted and should any of the switches fail to be in the predetermined position upon actuation of the transmitter an alarm is effected.

22,865
PROCESS OF MAKING A FOOD PRODUCT

Daniel Boscawen Vincent, Tampa, Fla.
No Drawing. Original No. 2,215,944, dated September 24, 1940, Serial No. 250,652, January 12, 1939. Application for reissue August 5, 1946, Serial No. 688,397
14 Claims. (Cl. 99—2)

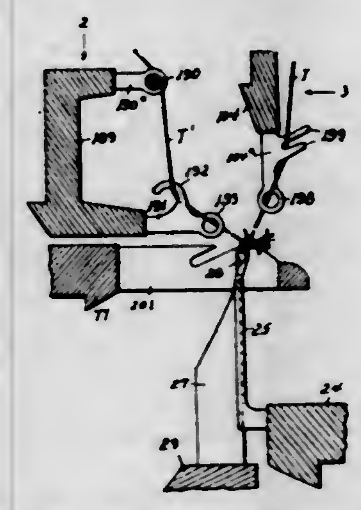
1. The method of preparing a substantially non-bitter and edible product from citrus waste material which includes the steps of adding to the material controlled varying amounts of non-toxic alkaline compound comprising at least in part an hydroxide to form a differently colored minutes-stable transient gel, breaking the said gel in the presence of an acidic medium to form a colored watery mother liquor and lighter colored pulpy solids, and separating said solids and the mother liquor.

PATENTS

GRANTED APRIL 8, 1947

2,418,445
THREAD GUIDE FOR KNITTING MACHINES

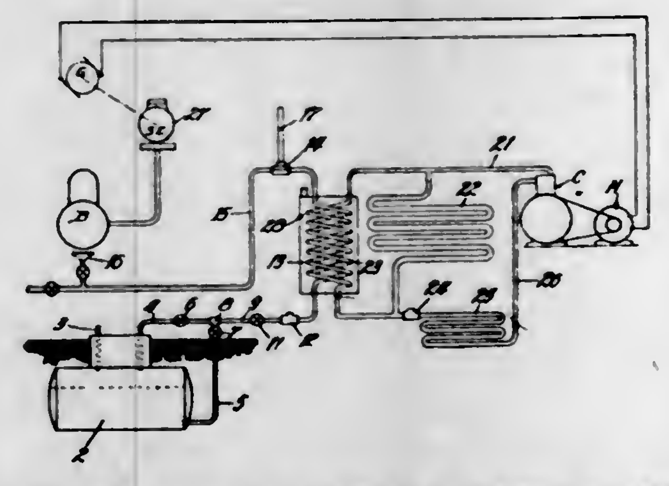
Roy C. Amidon, Reading, Pa., assignor to Vanity Fair Mills, Inc., Reading, Pa., a corporation of Pennsylvania
Original application October 16, 1943, Serial No. 506,561. Divided and this application April 23, 1945, Serial No. 589,860
5 Claims. (Cl. 66—86)



1. In a knitting machine: a thread guide comprising a block having a bank of parallel guide blades, each of said blades having an eye and means for holding a thread passing through said eye flat against the blade for a substantial distance from the eye toward the block, said means including at least one projection from the edge of each blade at a substantial distance from the eye about which projection the thread passes.

2,418,446
METHOD OF AND APPARATUS FOR HEATING LIQUEFIED GAS FUEL

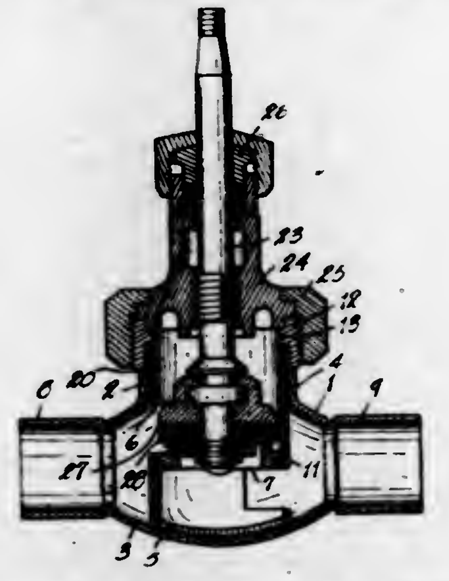
Olaf R. Anderson, Chicago, Ill., assignor, by mesne assignments, to The Bastian-Blessing Company, Chicago, Ill., a corporation of Illinois
Application October 20, 1938, Serial No. 236,061
20 Claims. (Cl. 62—1)



1. In the art of operating a system in which liquid fuel contained in an underground reservoir is to be vaporized for combustion, the method of treating said fuel which comprises transferring the waste heat carried by a refrigerant from a refrigerating apparatus to said fuel in said reservoir out of actual contact with the refrigerant.

2,418,447
VALVE

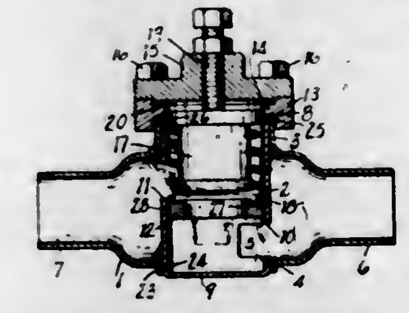
Alfred C. Arbogast, Elkhart, Ind., assignor to Northern Indiana Brass Company, Elkhart, Ind.
Application January 5, 1944, Serial No. 517,034
14 Claims. (Cl. 251—156)



13. In a valve, the combination of a tubular outer body member having a tubular lateral extension, a tubular inner body member disposed concentrically within said lateral extension of said outer body member to project therefrom and extending into the outer body member transversely thereof, said inner body member having oppositely disposed axially spaced fluid openings each opening to an end of said outer body member, the sides of said inner body member between its said fluid openings being brazed to the adjacent sides of said outer body member to provide a sealed joint therebetween, and an adapter surrounding the projecting end of the inner body member and brazed thereto.

2,418,448
VALVE

Alfred C. Arbogast, Elkhart, Ind., assignor to Northern Indiana Brass Company, Elkhart, Ind.
Application January 10, 1944, Serial No. 517,679
9 Claims. (Cl. 251—156)



1. In a valve, the combination of a tubular outer body member having a tubular lateral extension and having a flanged opening opposite its lateral extension, a tubular inner body member disposed transversely within said outer body member and concentrically within the lateral extension thereof and the flange of said opening and spaced from said extension and flange to

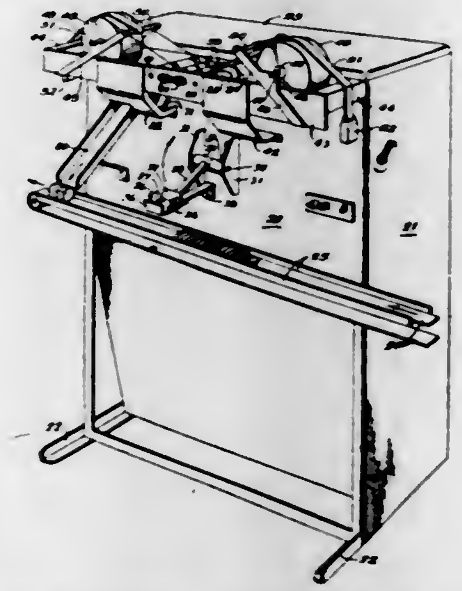
provide capillary spaces between them and brazed together within said spaces throughout the peripheries thereof, the inner body member having an out-turned flange at one end overlapping the end of the lateral extension of said outer body member and an end wall at its opposite end, said inner body member having axially spaced fluid openings on opposite sides thereof, each opening communicating with one end passage of the outer body member, portions of the opposite sides of the inner body member between said fluid openings being spaced relative to the adjacent side surfaces of said outer body member to provide capillary spaces, the body walls being sealingly brazed together within said spaces, an adapter collar embracing the end of the lateral extension of said outer body member and the out-turned flange of said inner body member and spaced therefrom to provide capillary spaces between them and brazed together within said spaces, and an annular valve seat member arranged concentrically within said inner body member axially intermediate of said openings and peripherally spaced from the wall thereof to provide an annular capillary space between them and brazed together within said space.

2,418,449
WRAPPING MACHINE

Bengt A. Arvidson, Villa Park, Ill., assignor to Miller Wrapping and Sealing Machine Company, Chicago, Ill., a corporation of Illinois

Application September 27, 1943, Serial No. 503,885

12 Claims. (Cl. 93—2)



10. In a wrapping machine, the combination of a frame, a feeder mounted to swing in a vertical plane and having jaws adapted to receive and clamp the unit to be wrapped and deliver the same to the wrapping position, means for feeding two continuous strips of wrapping material to bring their leading ends adjacent the position occupied by the ends of the unit to be wrapped, cutters for severing the ends of the strips to provide wrapper sheets, a pair of spaced plungers normally standing in proximate relation to the wrapper sheets at opposite ends of the unit, a tubular folder normally encircling one of the plungers, a folding ring normally encircling the other plunger, a heat sealing ring in register with the folding ring, mountings for the respective plungers and the tubular folder, and means adapted to first actuate the unit delivering feeder and strip feeders, and thereafter, in timed sequence, to advance the plungers inwardly relatively to one another to clamp the wrapper sheets against the ends of the unit and actuate the cutters and then advance the tubular folder inwardly relatively to the encircled plunger to fold down the edges of the proximate wrapper sheet and thereafter advance both plungers in unison to carry the partially wrapped unit through the folding ring and heat sealing ring and thereby fold down and seal the edges of the proximate wrapper sheet.

2,418,450
FLATTING AGENT

Laszlo Auer, East Orange, N. J., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio

No Drawing. Application August 14, 1941, Serial No. 406,926

10 Claims. (Cl. 106—173)

1. A composition of matter useful as a flatting agent, which comprises pigment size particles of a modified rosin soap coated with a film-forming substance, said rosin soap consisting of rosin modified by reaction with an unsaturated acid capable of reacting with rosin by the Diels Alder reaction, and a polyvalent metal which produces uncolored soaps which are water-insoluble and transparent in films of conventional varnishes, of the class consisting of aluminum, zinc, magnesium and alkaline earth metals, said film-forming substance being substantially insoluble in organic solvents and originally soluble in water, and forming films from its aqueous solutions.

2,418,451
PROCESS OF PREPARING EMULSIONS OF SOAP-FREE FATTY OILS

Laszlo Auer, South Orange, N. J.

No Drawing. Application February 7, 1944, Serial No. 521,441

19 Claims. (Cl. 260—22)

2. The process in preparing oil-in-water air sensitive emulsions of soap-free bodied esters of a polyhydric alcohol formed with acids of fatty oils, said esters having drying characteristics and having in a fatty acid part of the molecule more than one double bond, said emulsion being useful in coating materials, comprising the steps of (*a*) bodying the ester at least to a degree such that when heated at 160° C. with 4½% sulfur an irreversible gel will form within a period not exceeding 4 hours, but not beyond a degree to have a body heavier than that which would result in conversion to an irreversible gel in less than 15 minutes when vulcanized with ½% sulfur at 120° C., (*b*) emulsifying said bodied ester in water to form an oil-in-water emulsion, (*c*) bringing the pH of the emulsion to at least 8.4, but not above 13, and (*d*) exposing the dispersed phase of the emulsion to the action of active oxygen, until the emulsified bodied ester particles solidify in the emulsion.

2,418,452
MAKING COATING MATERIAL EMULSIONS

Laszlo Auer, South Orange, N. J.

No Drawing. Application February 17, 1944, Serial No. 522.803

19 Claims. (Cl. 106—252)

1. The process in preparing oil-in-water type air sensitive emulsions of fatty oils, which yield solid and coherent films upon demulsification, consisting of the steps of (1) bodying the fatty oil to a viscosity of at least Q on the Gardner scale, said bodied fatty oil showing flow characteristics at room temperature, (2) emulsifying said bodied fatty oil in water by the aid of an emulsifying agent which is stable under the reaction conditions of the process, (3) bringing the pH to lie outside of the range of 5.7 to 8.4, (4) activating the adsorbed oxygen, present in the water phase of the emulsion and (5) exposing the dispersed phase of the emulsion to the action of the activated adsorbed oxygen for at least six hours and until the viscosity of said dispersed phase is substantially increased.

2,418,453
PROCESS FOR MAKING COATING MATERIAL EMULSIONS

Laszlo Auer, South Orange, N. J.

No Drawing. Application February 19, 1944, Serial No. 523,108

18 Claims. (Cl. 106—252)

1. The process in preparing oil-in-water type air sensitive emulsions of fatty oils, which yield solid and coherent films upon demulsification, consisting of the steps of (1) bodying the fatty oil to a viscosity of at least Q on the Gardner scale, said bodied fatty oil showing flow characteristics at room temperature, (2) emulsifying said bodied fatty oil in water by the aid of an emulsifying agent which is stable on the acid side of the pH range, (3) bringing the pH to a range not exceeding 5.7, and (4) increasing the viscosity of the dispersed phase of the emulsion by the aid of active oxygen.

2,418,454
ISOMERIZED FATTY ACID ESTERS

Laszlo Auer, South Orange, N. J.

No Drawing. Application August 17, 1945, Serial No. 611,269

20 Claims. (Cl. 260—405.6)

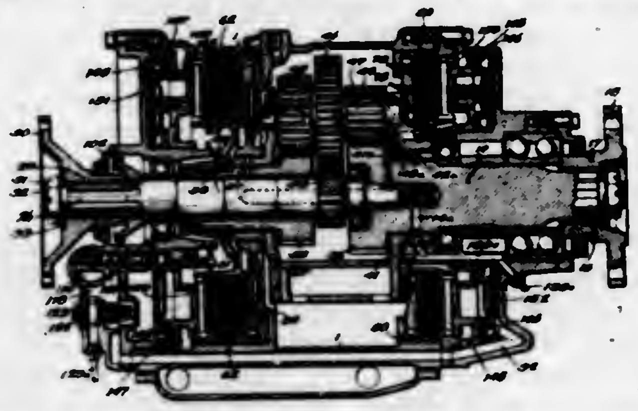
1. In the process of producing a composition of matter comprising fatty acid esters with improved drying properties, the combination of steps of (1) forming an anhydrous soap by heating a fatty material comprising a polyunsaturated fatty acid with a substantially anhydrous alkali agent at temperatures ranging from 150° C. to about 350° C., but not higher than the boiling point or decomposition point of the fatty material, whichever is lower, for at least one half hour and until a portion of the fatty acids is converted into a soap, showing a decrease of saponification number of at least about 5 and not more than about 60 units, and until the resulting product is solid at room temperature, said alkali agent being enough to convert the equivalent of at least 5 and not more than about 60 saponification number units into a soap, (2) splitting the so formed soap and (3) separating the unsaponified fatty material and the fatty acids which formed the soap from the cations of the soap and recovering the mixture of the unsaponified fatty material and of the free fatty acids.

2,418,455
MARINE REVERSING GEAR

Oscar H. Banker, Evanston, Ill., assignor to New Products Corporation, Chicago, Ill., a corporation of Delaware

Application November 11, 1943, Serial No. 509,926

7 Claims. (Cl. 74—296)



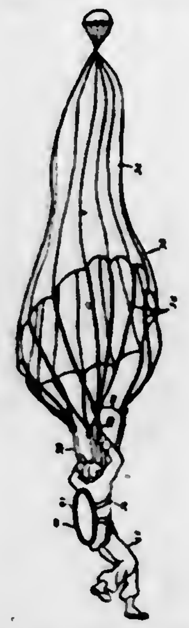
1. In a power transmission device for marine craft having a driving and a driven shaft, and operatively associated transmission gears and brake means; a gear cluster comprising primary, secondary and tertiary planetary gears rotatably mounted on a carrier which is rotatably carried by the transmission device to planetate relative to said driving and driven shafts, and of which the primary and tertiary gears are respectively operatively connected to the driving and driven shafts, and the secondary gear is operatively connected to a brake means, and said carrier also being operatively connected to a brake means, said brake means comprising mutually movable and engageable friction elements, hydraulic means for mutually moving said elements including a pump operatively connected to said driving shaft and having a fluid connection to said brake means, and a valve in said connection, said hydraulic means also including an annular cylinder, and an annular piston reciprocable in said cylinder and engageable with said elements to produce the mutual movement of said elements.

2,418,456
PARACHUTE

Edward R. Boland, Fairhaven, Mass., assignor of one-fifth to Thomas A. Jenckes, Lonsdale, R. I.

Application August 14, 1944, Serial No. 549,319

2 Claims. (Cl. 244—142)

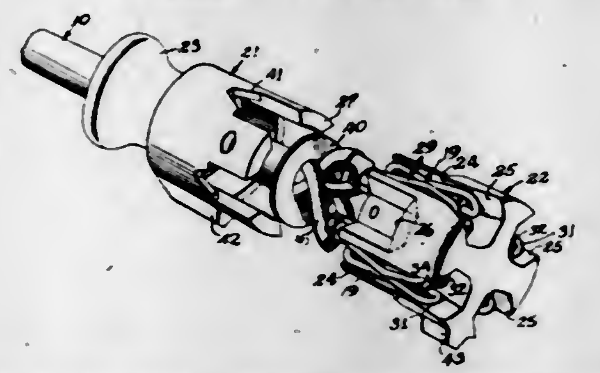


1. A parachute comprising a canopy and a plurality of individual elastic shroud lines connected to said canopy at spaced intervals along the outer edge thereof and comprising the sole support of the load from the canopy each of said shroud lines comprising a multiplicity of rubber strands making up the elastic core thereof, and a stretchable braided covering therefor stretchable to less than the elastic limit of said elastic core, said core and covering being of such a strength and resiliency that the normal load in descent stretches the lines to less extent than the shock load of opening so that said core may be extensible from a contracted short length for packing purposes to a maximum extension to cushion the shock of opening, contractable to a partial extension as the descending parachute swings to a vertical position to yieldingly carry the load in said vertical position on said elastic core as it drops, with a sufficient reserve of elasticity to substantially prevent any tendency of the canopy to

oscillate from being imparted to the load so that it may land with lessened shock substantially in a vertical position and rapidly contractable to fully contracted position to temporarily steady the load in a vertical position and to immediately pull the canopy to collapsed position as the load strikes the ground, said canopy being so shaped and said shroud lines being connected at such spaced intervals to the edges of said canopy that said canopy will readily open up and stay open during the drop.

2,418,457
ELECTRICAL COUPLING PLUG

Frank G. Born, Beloit, Wis., assignor to Warner Electric Brake Manufacturing Company, South Beloit, Ill., a corporation of Illinois
Application December 21, 1942, Serial No. 469,652
11 Claims. (Cl. 173—328)



3. An electrical coupling plug comprising in combination a body including a head portion and a rear portion, said rear portion having therein a hollow chamber for receiving and enclosing a conductor, said head portion having a radially opening groove extending parallel with the axis of the body and opening rearwardly into said chamber, and a generally U-shaped connector of resilient wire mounted in said groove, the legs of said connector lying adjacent the walls of said groove and spaced from the bottom thereof, the yoke portion connecting the legs at one end of the connector and bent at right angles to said legs, the other ends of said legs being bent reversely and interengaging with the body of the plug, and a bolt extending lengthwise of the head portion and fastening said yoke portion thereto.

2,418,458
PEST CONTROL

Euclid W. Bousquet, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 12, 1943, Serial No. 490,640
17 Claims. (Cl. 167—33)

1. The method of insect control which comprises contacting the insect with a bi-molecular condensate obtained by condensing two mols of a keto-enol and two mols of a phenol having a replaceable ortho hydrogen with the splitting off of two mols of water.

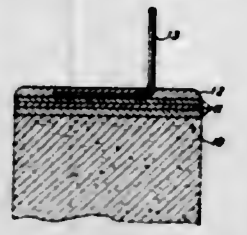
2,418,459
PEST CONTROL

Euclid W. Bousquet, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 12, 1943, Serial No. 490,641
8 Claims. (Cl. 167—33)

1. The method of insect control which comprises contacting the insect with the bi-molecular condensate of acetone and m-cresol said bi-molecular condensate being characterized by molecular weight corresponding to two mols of acetone, plus two mols of cresol, minus two mols of water, and by cryptophenolic properties.

2,418,460
RESISTOR

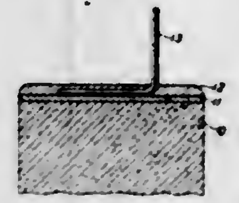
Ernest Buehler, Chatham Township, Morris County, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 31, 1943, Serial No. 516,431
6 Claims. (Cl. 201—63)



1. In a resistor including a resistance body and means for making electrical connection thereto, said means including at least one connecting lead, joining means for securing such a lead to said body, whereby microphonic noises at the connection are substantially eliminated, said joining means comprising a coating of platinum, adhering to a portion of said body, and a metallic layer of silver adhering to said coating and thereby securing said lead in electrical and mechanical connection to the body, said coating including a plurality of relatively thin adhering layers of platinum.

2,418,461
RESISTOR

Joseph A. Becker, Summit, Howard Christensen, Springfield, and Joseph J. Kleimack, Westfield, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 31, 1943, Serial No. 516,432
4 Claims. (Cl. 201—63)

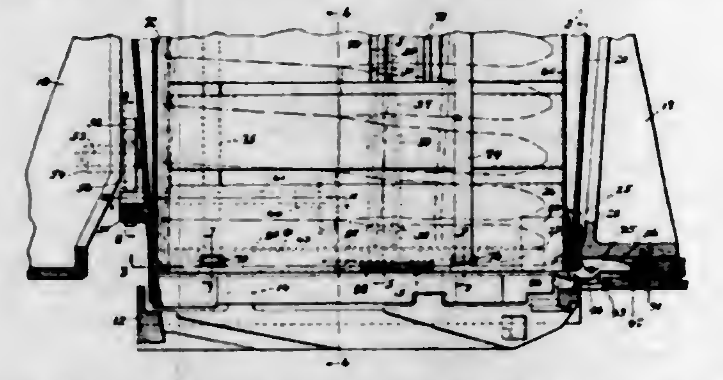


1. In a resistor comprising a body of resistance material with a connecting lead secured to a portion of its surface, means inhibiting variations of resistance between the body and lead, and comprising a layer of platinum adhering to said surface portion, and a second layer of metal overlaying and adhering to said first layer and securing said lead in electrical connection with said body, said second layer being of a platinum material converted in place from a layer comprising a platinum compound mixed with finely divided platinum.

2,418,462
MACHINE GUN MAGAZINE AND CRADLE THEREFOR

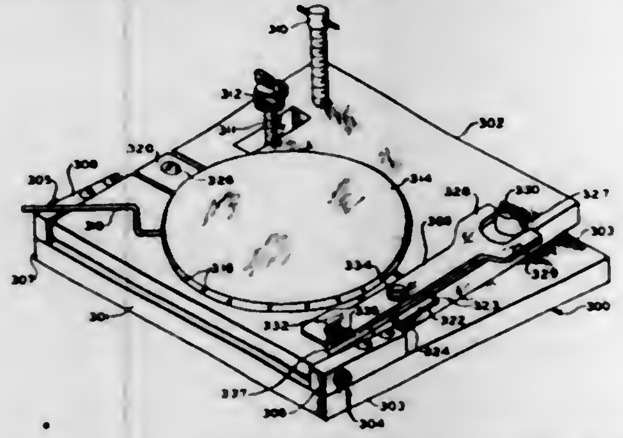
George A. Chadwick and Paul W. Burk, Washington, D. C.
Application May 22, 1936, Serial No. 81,156
15 Claims. (Cl. 42—18)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

15. In combination with a gun, forward and after brackets mounted thereon, a cartridge magazine, a cradle having compartments to receive two such magazines, axially aligned trunnions on said cradle journalled in said brackets, means to lock the magazine in the cradle, and means operable by swinging of said cradle on its trunnions to release said locking means.



2,418,463
CRYSTAL ANALYSIS APPARATUS

Joseph E. Coleman, Red Bank, N. J., assignor to the Government of the United States of America, as represented by the Secretary of War
Original application May 18, 1945, Serial No. 594,467. Divided and this application December 18, 1945, Serial No. 635,829
3 Claims. (Cl. 51—216)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

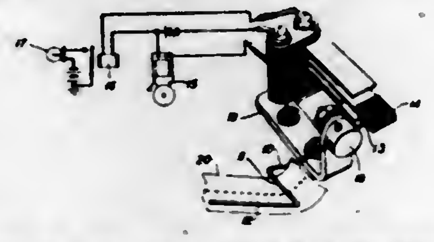


1. A jig for determining the optical axes of quartz crystals in a conoscope, comprising a flat rectangular base plate, a second flat rectangular plate mounted on top of said first mentioned plate, a hinge interconnecting said plates, whereby said second plate may be rotated around said hinge, a circular well within said second plate, a disc rotatively mounted within said well, instrumentalities for locking and unlocking said disc within said well, said instrumentalities including a bifurcated lever arm, a cam connected to said second plate and positioned at the bifurcated end of said arm, and a locking shoe connected to said arm, said shoe engaging said disc so as to hold said disc down against the bottom of said well and locked against the angular rotation of said disc within said well upon the turning of said cam into the locking position.

2,418,464
WEB CONTROLLED INDICATOR

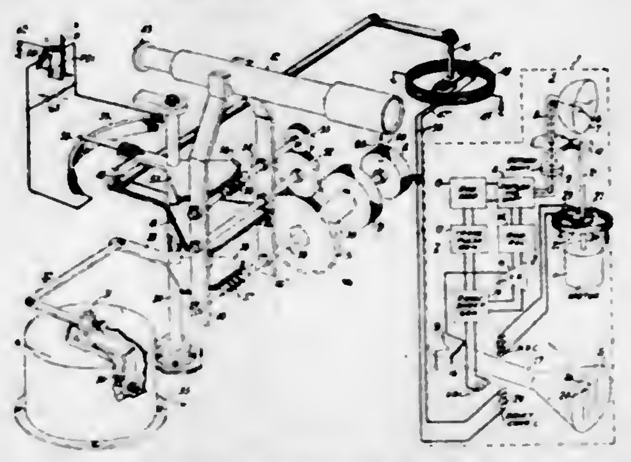
Thomas L. Corwin, Newark, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 26, 1942, Serial No. 456,206
5 Claims. (Cl. 177—311)

1. In tape-employing teletypewriter apparatus, a flexible tape supplied by one mechanism to pass through another mechanism, a single tape controlled element mechanically engaging and actuated directly by pressure of a loop of tape between said mechanisms and an electrical contact operated by said single element in such a manner that the contact is actuated in the same direction by too much slack or too little slack in the tape.



2,418,465
DRIFT METER

Stephen Doba, Jr., Long Island City, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 21, 1944, Serial No. 527,460
4 Claims. (Cl. 250—1)



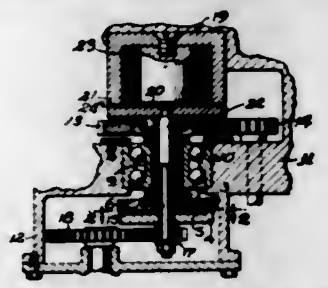
1. Means for compensating the drift of a vessel moving in a cross-current toward an object ahead comprising, in combination, electrical means for observing the object including a cathode ray oscilloscope provided with a screen on which the object is represented by a luminous spot positioned horizontally in accordance with the bearing of the object, a directional gyroscope, an adjustable linkage connected to the gyroscope electrical means controlled through the linkage by the gyroscope for rendering the horizontal position of the spot independent of the changes in heading of the vessel whereby change in said position becomes indicative of drift, means for measuring the angular change of bearing of the object corresponding to a horizontal change in spot position, means for adjusting the linkage to cancel said horizontal change and means for prescribing an angular change in heading of the vessel opposite to and a multiple of said angular change of bearing.

2,418,466
FRICTION CLUTCH

George Forrest Drake, Rockford, Ill., assignor to Woodward Governor Company, Rockford, Ill., a corporation of Illinois
Application February 28, 1944, Serial No. 524,200
4 Claims. (Cl. 192—84)

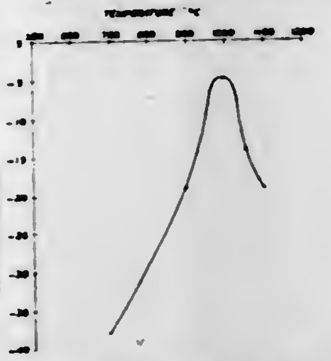
1. A friction clutch adapted to operate in a lubricant comprising, a rotary driving element, a rotary driven element supported for axial movement relative thereto, said elements having axially engageable annular surfaces near the periphery thereof of narrow radial width and composed of hardened steel, each of said surfaces

being smooth and circumferentially continuous, and means by which said elements may be urged into gripping engagement under a unit pressure on said surfaces of sufficient magnitude to squeeze out said lubricant so completely that the coefficient of friction between the surfaces is increased to a value approximating that of the surfaces when the latter are dry, the narrow width of said annular surfaces enabling rapid ejection of the lubricant therefrom upon actuation of said urging means.



2,418,467
TREATMENT OF FINELY DIVIDED MAGNETIC MATERIAL

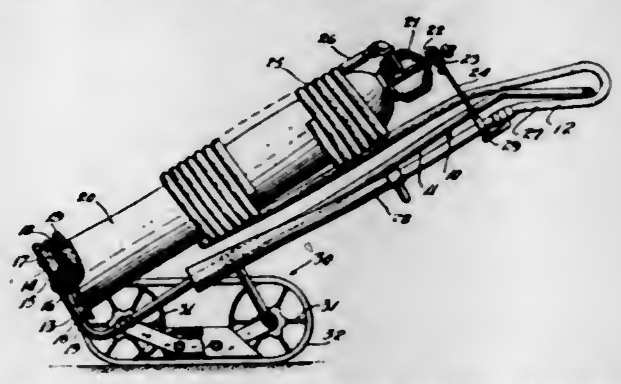
William C. Ellis, Maplewood, and Alexander G. Souden, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 24, 1943, Serial No. 503,718
13 Claims. (Cl. 23—200)



1. A method of improving the properties of a ferroso-ferric oxide rendering it suitable for use in a magnetic body comprising heating a finely divided ferroso-ferric oxide comprising a substantial molecular excess of Fe_2O_3 with respect to FeO and being substantially free of impurities, to a temperature in excess of 700° C. in an inert atmosphere for a period of at least about one-half hour.

2,418,468
FIRE-EXTINGUISHING UNIT

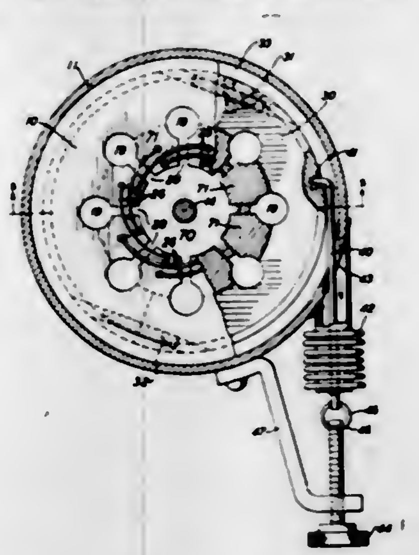
Harry C. Grant, Jr., New York, N. Y., assignor to Specialties Development Corporation, Bloomfield, N. J., a corporation of New Jersey
Application May 27, 1944, Serial No. 537,619
7 Claims. (Cl. 169—31)



1. In combination, a frame having spaced side frame members connected by a U-shaped member at one end and by a member forming a handle at the other end, a container extending lengthwise with said frame members and equipped with a flexible conduit for discharging the contents of said container, said conduit being normally reeled about the container, an undercarriage connected to and supporting said side members and said container in an inclined position, and a pair of bearing structures carried by said frame for rotatably supporting said container whereby to permit rotation of said container to effect unreeling of said conduit for use, one of said structures being mounted on said U-shaped member, said U-shaped member constituting a support for said frame and said container when disposed in vertical position and the undercarriage is rendered ineffective.

2,418,469
TUNER FOR MULTIRESONATORS

Homer D. Hagstrum, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 4, 1944, Serial No. 534,019
5 Claims. (Cl. 315—5)

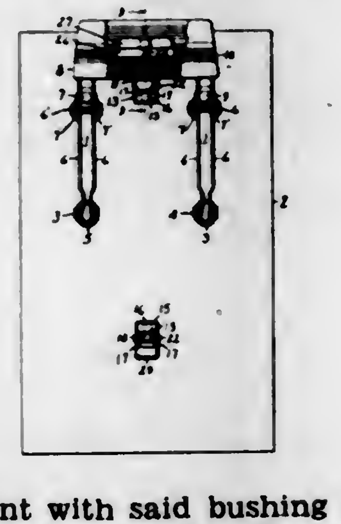


1. A resonator comprising a member containing a plurality of individual resonating cavities arranged in radial symmetry about a central axis, and a tuning element rotatable about said axis, said tuning element having a plurality of non-circular portions each extending into one of said resonating cavities by a variable amount depending upon the angular position of the tuning element.

2,418,470
LATCHING MECHANISM FOR ELECTRIC SWITCHES

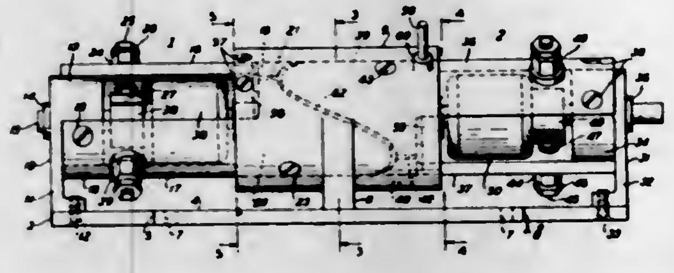
Winton G. Harlow, Upper Darby, Pa., assignor to General Electric Company, a corporation of New York
Application July 27, 1945, Serial No. 607,371
9 Claims. (Cl. 200—169)

6. In a latching mechanism for a switch having at least two spaced conducting elements pivotally mounted on a base, a handle secured to the free ends of said conductor elements, a bushing mounted in the handle transversely thereof and provided with a longitudinal opening, a latching member adapted for latching engagement in the opening in said bushing, means adapted to be mounted on the switch base for pivotally supporting said latching member in a position to cause latching engagement of the member and said bushing when the blades are moved to a predetermined position including means for stopping the blades in said position, an inclined surface on said bushing engageable with said latching member to move the latching member against the bias thereon as the blades are moved to said predetermined position, and means adapted to be operated to disengage said member from latching engagement with said bushing comprising a plunger movably mounted in the opening in the bushing and engageable with the latching member for release thereof upon movement of the plunger in one direction.



2,418,471
DIRECT-CURRENT GENERATOR

William H. T. Holden, Woodside, and Edmund R. Morton, Brooklyn, N. Y.; assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 12, 1944, Serial No. 544,534
10 Claims. (Cl. 171—209)

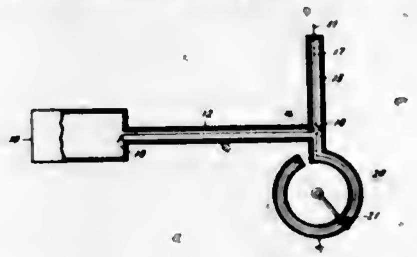


1. A generator for generating a potential which may be caused to vary in accordance with a trigonometric function of an angle comprising a pair of soft iron pole-pieces, a rotor rotatable between said pole-pieces, each of said pole-pieces having a semi-cylindrically enlarged portion at one end thereof, the adjacent edges of which portions are separated by narrow air-gaps, and a permanent magnet for magnetizing said pole-pieces and rotatable with respect to the enlarged portions thereof through the angle for which the variable potential is desired.

2,418,472
MICROWAVE TRANSMISSION SYSTEM

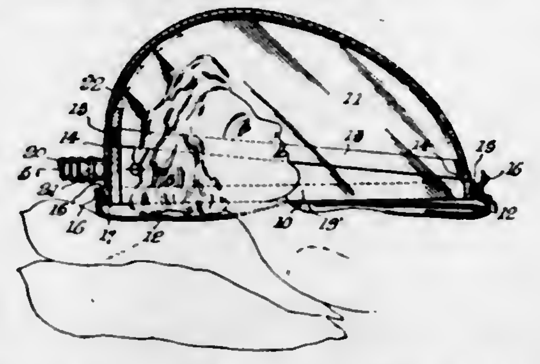
Halsey W. Kline, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Original application May 28, 1943, Serial No. 488,824. Divided and this application August 17, 1944, Serial No. 549.819
3 Claims. (Cl. 178—44)

1. An adjustable terminating means for a transmission line of the type having an inner conductor and a tubular outer conductor concentric therewith comprising, a pair of plate members having contacting plane surfaces, each of said surfaces having corresponding circular grooves therein, each of said grooves being substantially semi-circular in cross section and said grooves uniting to form a circular passageway between said members, a loop of wire centrally supported in said passageway, one end of said loop being connected to said inner conductor and said members being conductively connected to said tubular outer conductor, said loop cooperating with the walls of said passageway to form a section of concentric transmission line, a shaft concentric with said grooves for rotatably supporting one of said members with respect to the other of said members, and a contact member carried by said one member and slidable along said loop to vary the amount of said section connected in series with said transmission line as said one member is rotated with respect to said other member.



2,418,473
HOOD FOR OXYGEN THERAPY

Christian J. Lambertsen and Lincoln Godfrey, United States Army
Application April 20, 1945, Serial No. 589,449
6 Claims. (Cl. 128—205)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



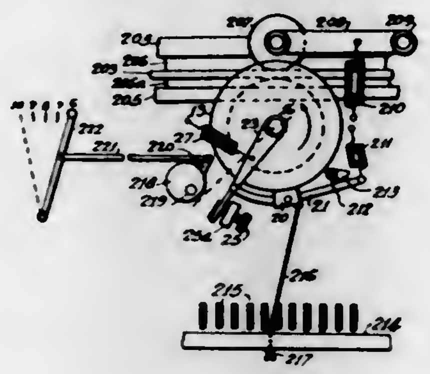
1. An oxygen hood comprising a base member having inlet and outlet tubes adapted to be connected to an air conditioning apparatus, a transparent oval-shaped dome mounted upon said base, and a skirt of flexible material connected to the lower portion of said base, said skirt being provided with free edges having arcuately curved portions and lower extending portions adapted respectively to be crossed behind the patient's neck and overlapped anteriorly.

2,418,474
VARIABLE LETTER-SPACING DEVICE FOR TYPEWRITERS

Matthew H. Loughridge, Bogota, N. J.; William R. Lockridge administrator of said Matthew H. Loughridge, deceased
Original application May 15, 1940, Serial No. 335,391, now Patent No. 2,283,680, dated May 19, 1942. Divided and this application May 20, 1942, Serial No. 435,594
13 Claims. (Cl. 197—84)

1. A justifying mechanism comprising a carriage to be adjusted in a linear direction, a driving connection to move said carriage step by step comprising a drum engaging said driving connection, a friction shoe for said drum, a lever movable with said drum and for applying said shoe

to the drum, means for adjusting the rotational movement of said lever, to alter the distance of said steps to justify a line, and means for operating said lever to rotate the drum.

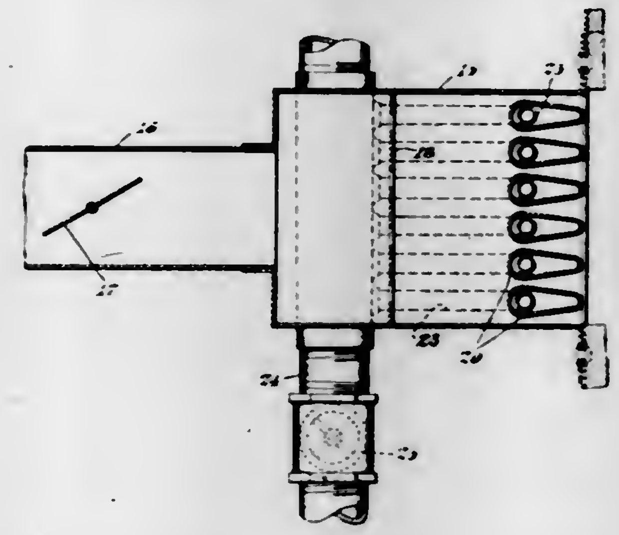


2,418,475
APPARATUS FOR THE MANUFACTURE OF CARBON BLACK

William Loving, Pampa, Tex., assignor to Godfrey L. Cabot, Inc., Boston, Mass., a corporation of Massachusetts

Application January 8, 1943, Serial No. 471,685

4 Claims. (Cl. 23—259.5)



1. A burner box for use in combination with carbon black producing furnaces, comprising a rectangular sheet metal casing having an open side, and a series of parallel perforated burner pipes disposed entirely within the casing and adjacent to its open side, the pipes being substantially oval in both internal and external cross section, disposed with their flatter sides spaced from each other and their narrower sections outwardly directed and having a multiplicity of uniformly distributed small gas orifices in the outer section of each pipe, and means directing air from behind the burner pipes forwardly into the furnace in a substantially straight path through the spaces provided between the burner pipes.

2,418,476
PREPARATION OF ZINC DICYANIMIDE

Daniel E. Nagy and Bryan C. Redmon, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application September 22, 1945, Serial No. 618,073

5 Claims. (Cl. 23—78)

1. Zinc dicyanimide.

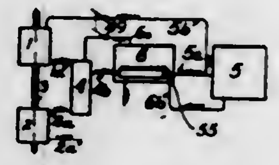
2. A method of preparing zinc dicyanimide which includes the steps of reacting a soluble metal salt of dicyanimide with a soluble zinc salt in the presence of water to precipitate zinc dicyanimide.

2,418,477
STEAM POWER PLANT

Rudolf M. Ostermann, Kenilworth, Ill., assignor to The Superheater Company, New York, N. Y.

Application January 10, 1941, Serial No. 373,883

10 Claims. (Cl. 60—20)



4. In combination with a variable speed shaft, multiple expansion steam propulsion means for driving said shaft, said means including a turbine, a steam engine in series therewith and having a variable cut off, a boiler, a steam accumulator and means for maintaining substantially constant pressure in said accumulator by means of varying heat charges derived from said boiler, means responsive to the pressure in said accumulator, and means responsive to the shaft speed in coaction with said means responsive to excess pressure in said accumulator for increasing the pressure of steam generation within said boiler in proportion to increasing shaft speeds and for decreasing said boiler's steam generating pressure in proportion to decreasing shaft speeds.

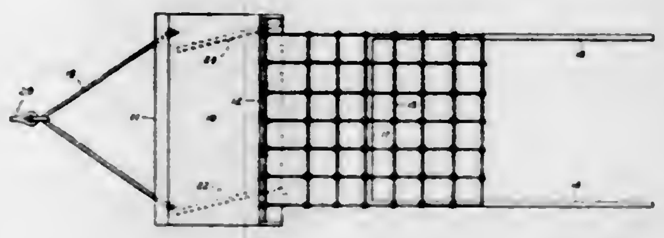
2,418,478
APPARATUS FOR RECOVERING SEAPLANES FROM THE WATER

George A. Ott, Coronado, Calif., and Bruce A. Van Voorhis, United States Navy, Washington, D. C.

Application January 27, 1938, Serial No. 187,218

8 Claims. (Cl. 114—43.5)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



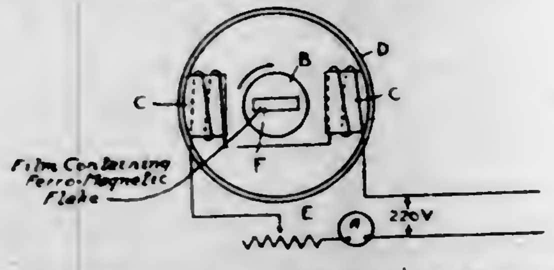
7. Device for recovering seaplanes from the water comprising a sled adapted to be towed by a vessel, a net secured to said sled and extending aft therefrom for engagement by a hook on the pontoon of a seaplane, a fabric apron attached to the rear of said sled and disposed beneath said net for supporting the same and providing a slick therefor and for an approaching seaplane, and streamers attached to the rear of said apron and along the sides of said net for maintaining the net extended while being towed.

2,418,479
PROCESS FOR ORIENTING FERROMAGNETIC FLAKES IN PAINT FILMS

Burt Carlton Pratt and Paul L. Salzberg, Brandywine Hundred, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application February 16, 1944, Serial No. 522,666.

7 Claims. (Cl. 117—64)



1. A process for preparing a metal-pigmented film which comprises applying a wet paint film containing metal particles comprising ferromagnetic metal in flake form to a non-ferromagnetic base and subjecting said wet paint film to the action of a magnetic field with the film positioned in the plane of said field, and at short intervals of time varying the directional angle between an axis in the plane of the film and the said magnetic field through at least 90° while keeping the film in the plane of the field until the film has dried sufficiently to permit removal of the film from said field without causing deorientation of said metal flake particles.

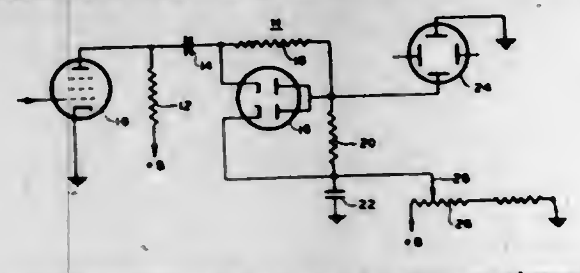
2,418,480
ASYMMETRICALLY CONDUCTING NETWORK

Arthur C. Prichard, Long Branch, and Ira O. Myers, Neptune, N. J., assignors to the Government of the United States of America, as represented by the Secretary of War

Application May 24, 1944, Serial No. 537,122

4 Claims. (Cl. 315—29)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An asymmetrically-conducting network comprising an input circuit including a first resistor, a second resistor having a higher resistance than said first resistor, and a low impedance condenser, all connected in series, a diode connected across each resistor in such manner that one of the electrodes of one diode is connected to the like electrode of the other diode, and an output circuit coupled to said higher-resistance resistor.

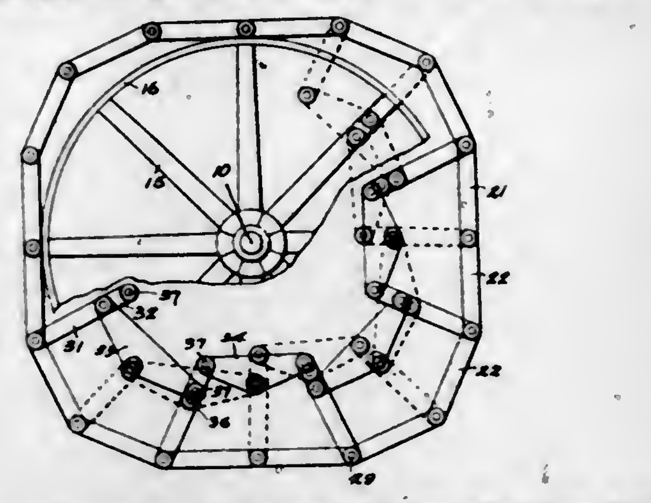
2,418,481
WHEEL

Royal N. Riblet, Spokane, Wash.

Application July 2, 1945, Serial No. 602,764

7 Claims. (Cl. 305—6)

1. In a wheel, the combination with a shaft, a load bearing wheel centered on the shaft, a disk also centered on the shaft, an annular flexible, traction linked tread surrounding the load bearing wheel and having a bearing surface thereon upon which the load bearing wheel rolls, pairs of links pivoted to the pivotal connections of the several links of the tread, said pairs consisting of a long link and a short link, extending from the pivotal connection of the tread links substantially radially toward said shaft, and rocker arms centrally pivoted to the disk and having their ends pivoted to alternate links of equal length circumferentially of the wheel for aligning and flexing alternate pairs of link members of the tread.

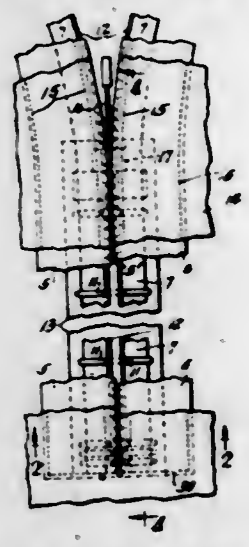


2,418,482
SLIDE FASTENER

Jacob Robinsohn, New York, N. Y.

Application September 15, 1944, Serial No. 554,176

8 Claims. (Cl. 24—207)



1. In a slide fastener, side tapes having return bent outwardly facing edges, said edges being stiff, slide clasps for holding said side tapes together, said slide clasps including means having inwardly directed prongs defining an opening between them, said stiff edges being embraced by said clasps and lying beneath said prongs, said side tapes being extended outwardly through said openings in said clasps, the extreme edges of said stiffened edges being in running engagement with said clasps, said stiff edges beneath said prongs being of a width greater than the length of said prongs whereby the side tapes passing through the openings in said clasps will be fended off from the ends of said prongs.

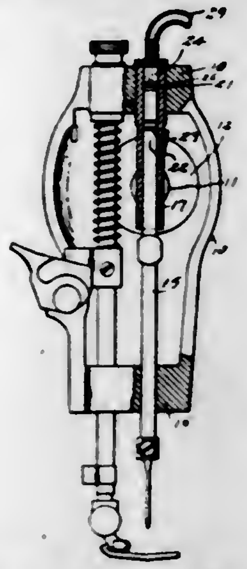
2,418,483
COMBINED AIR PUMP AND SEWING MACHINE

Walter O. Runcie, Lima, Peru

Application December 26, 1944, Serial No. 569,820

1 Claim. (Cl. 66—1.5)

In a relooping needle assembly including a closed operating circuit filled with air; the combination with a sewing machine head of a depending elongated sleeve carried by said head, a reciprocating needle carrier slidable in said sleeve and formed with lubricating grooves, said sleeve and said needle carrier forming respectively a cylinder and piston, a nipple extending from the upper end of said sleeve for receiving one end of a flexible tube interposed in said closed circuit



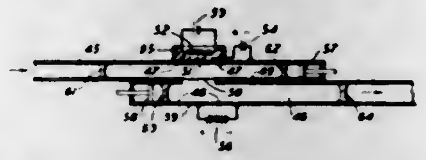
whereby reciprocation of said carrier will effect alternate compression and suction of the air in said cylinder and closed operating circuit.

2,418,484
FREQUENCY MULTIPLYING SYSTEM

Arthur L. Samuel, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Original application May 3, 1941, Serial No. 391,658. Divided and this application October 10, 1942, Serial No. 461,517

1 Claim. (Cl. 250—36)



A pair of wave guides each of rectangular cross section, said guides partially overlapping longitudinally upon their respective wider sides with a common wall in said overlapping portion, said common wall having an electron permeable region, a source of waves of a given fundamental frequency, one of said wave guides being wide enough to freely transmit waves of said fundamental frequency and the other guide being materially narrower than said one guide in such proportion that the narrower guide will freely transmit a given harmonic of said fundamental frequency while substantially suppressing said fundamental frequency, cathode means in said wider guide opposite the electron permeable section of said common wall, and anode means in said narrower guide opposite said electron permeable region, said cathode means and said anode means being integral with the non-common wall portions of the respective guides parallel to said electron permeable common wall and the thickness of each guide being determined by an optimum spacing between the respective electrodes.

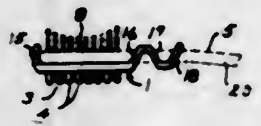
2,418,485
GUM MASSAGER

George C. Shipley, Galveston, Tex., assignor of twelve and one-half per cent to Alfred M. Gerdes, Galveston, Tex., and twelve and one-half per cent to Raymond R. Hendrickson, Galveston County, Tex.

Application August 11, 1945, Serial No. 610,300

5 Claims. (Cl. 128—62.1)

2. A gum massager adapted to be removably attached to a toothbrush to provide a massaging surface on the toothbrush opposite the bristled area thereon comprising, a body formed of resilient material and having a massaging surface thereon, spaced means at one end of said body for selective engagement with a toothbrush handle at the inner end of the bristled area on the brush, and means on the opposite end of the body for engagement with the outer end of the toothbrush handle whereby the body is held in position thereon, at least one of said means comprising a restricted opening to be resiliently enlarged to fit upon and have frictional engagement with the toothbrush handle.

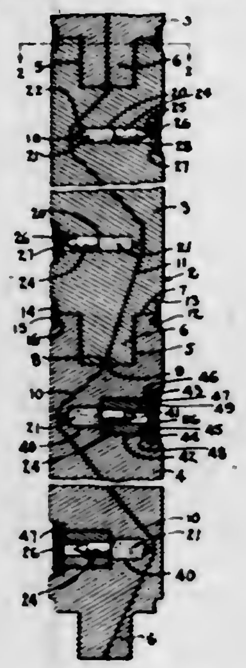


2,418,486
GUN PERFORATOR

James G. Smylie, Houston, Tex.

Application May 6, 1944, Serial No. 534,405

17 Claims. (Cl. 164—0.5)



1. A gun perforator for wells comprising a plurality of sections, means to connect the sections, a lateral bore in each section, a powder charge and a bullet in each bore, means to ignite the powder charges of the several bores, and resilient means encircling the section joints and overlapping the connections, and a resilient patch overlying each of the bores whereby when the gun is subjected to the fluid pressure in a well bore the pressure forces such means into sealing position.

2,418,487
CATHODE RAY MAGNETIC FOCUSING DEVICE

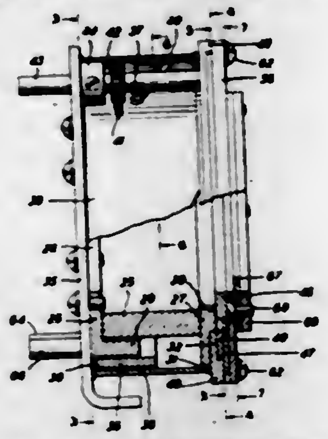
Philip T. Sproul, Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application March 31, 1944, Serial No. 528,911

20 Claims. (Cl. 250—161)

1. In combination, a cathode ray tube including a source of electrons for projecting a beam along the length of the tube and a fluorescent screen receptive to the beam to produce a spot thereon, and an adjustable permanent magnet structure surrounding said tube for focusing said beam on said screen comprising a cylindrical core of magnetic material, a cylindrical magnetic shunt member surrounding said core having pins

extending radially therefrom, a metallic sleeve surrounding said shunt having guideways therein for said pins, and means for rotating said sleeve to reciprocally actuate said shunt with respect to said sleeve and core.

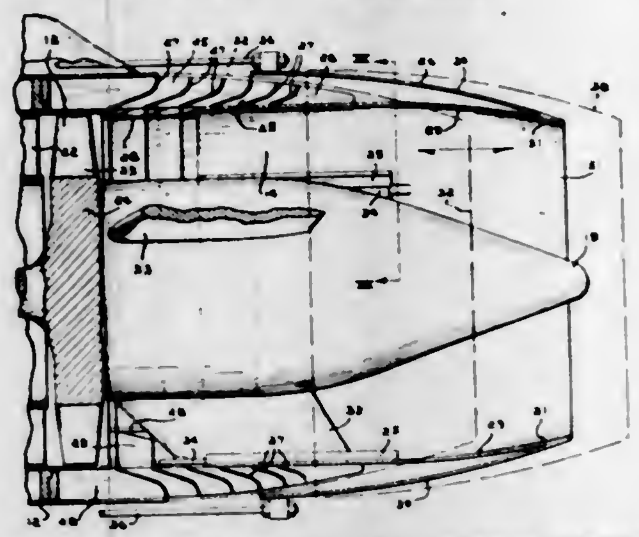


2,418,488
POWER-PLANT APPARATUS

Albert S. Thompson, Swarthmore, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 29, 1944, Serial No. 547,256

8 Claims. (Cl. 60—35.6)



1. A tailpiece assembly for power plants including a turbine comprising a wall structure providing a flow passage and discharge nozzle for motive fluid driving said plant, said wall structure including a fixed tubular portion and a movable tubular portion coaxial therewith, means for shifting said movable tubular portion longitudinally with respect to said fixed portion, and diffuser nozzles disposed downstream of said turbine and fixed tubular portion, said nozzles communicating with said flow passage and opening radially outward to the atmosphere and diverging outwardly from said flow passage, said movable tubular portion being arranged to substantially close said diffuser nozzles and shiftable to uncover one or more of said nozzles.

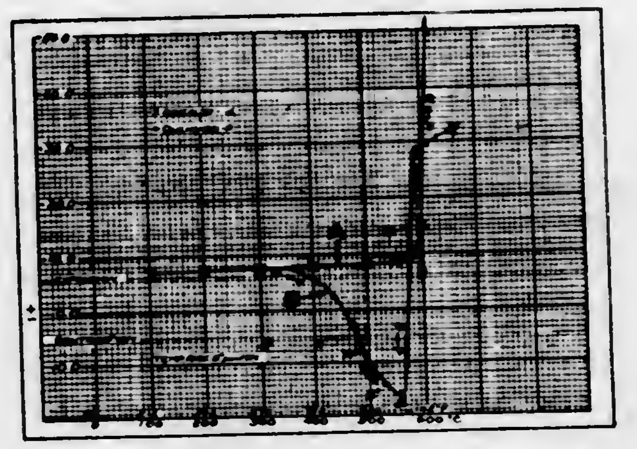
6. In a gas turbine power plant, inner and outer structures providing an annular flow passage, a turbine including blading arranged in the flow passage, said outer structure including a tailpiece portion cooperating with the inner structure to define a jet passage for motive fluid exhausting from the turbine, means for moving the tailpiece portion axially to change the expansion ratio of the jet passage, an annular nozzle structure carried by said outer structure and including a plurality of spaced annular vanes defining annular nozzle passages, and means carried by the tailpiece for progressively opening and closing the annular nozzle passages as the tailpiece is moved axially in opposite directions.

2,418,489
GLASS ANNEALING

Edgar D. Tillyer, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts

Application August 1, 1942, Serial No. 453,152

1 Claim. (Cl. 49—89)



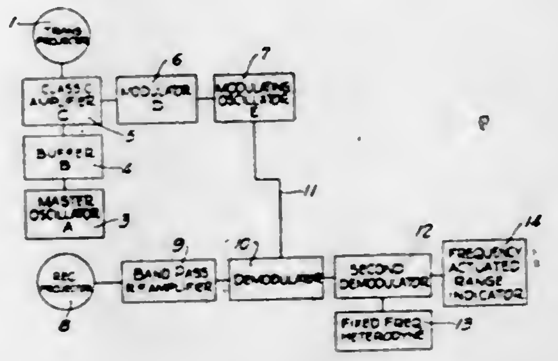
The method of annealing glass comprising subjecting said glass to an initial high temperature which is below the point of melting or rapid distortion of the glass and reducing said temperature slowly until the temperature is that of an optimum compacting temperature indicated as being the point of inflection reached in a plotted curve of the coefficient of expansion of a specimen of quenched glass, which optimum temperature is the highest temperature at which all of the glass can change from high temperature or low index form to low temperature or high index form and which temperature is the lowest holding temperature for the particular glass being annealed, holding said temperature for a predetermined time and subsequently cooling.

2,418,490
DISTANCE AND DIRECTION MEASURING SYSTEM

Edwin E. Turner, Jr., West Roxbury, Mass., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass., a corporation of Delaware

Application June 15, 1943, Serial No. 490,930

4 Claims. (Cl. 177—386)

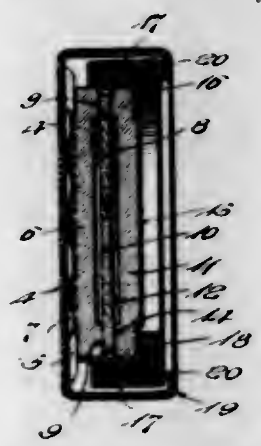


3. A system for measuring the distance to a reflecting object comprising means for transmitting a carrier wave of high frequency and an amplitude modulated side band varying continually in frequency at a linear rate, means for receiving the wave energy after reflection from the object whose distance is to be measured, means for demodulating the received signal, and combining the demodulated signal with the modulating frequency being transmitted at the instant of reception of the received signal, means for demodulating the combined frequencies, and combining

the frequency from said second demodulation with a fixed frequency by heterodyne action, and frequency responsive means for indicating thereby the distance of the reflecting object.

2,418,491
PIEZO CRYSTAL UNIT ASSEMBLY

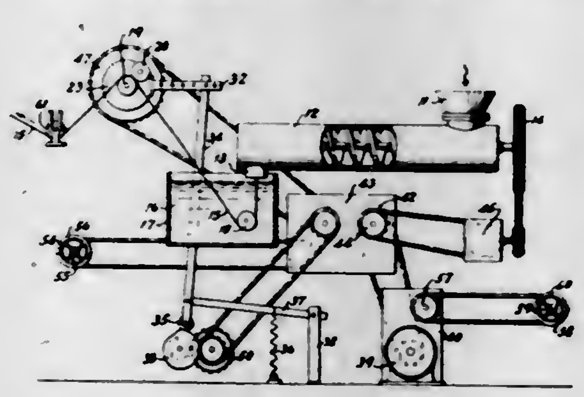
George S. Wachtman, Harrisburg, Pa.
Application June 5, 1945, Serial No. 597,654
9 Claims. (Cl. 171—327)



1. A piezo electric crystal unit assembly comprising a metallic shell-like container, a spring member mounted in said container, an electrode supported by said spring member, a piezo electric crystal plate establishing surface contact with said electrode, a second electrode establishing surface contact with the opposite side of said piezo electric crystal plate, a ring-like member of insulation material spacially relating said second mentioned electrode with respect to said shell-like container and a confining peripheral edge portion on said shell-like container establishing binding connection with said ring-like member.

2,418,492
MANUFACTURE OF TAPERED FILAMENTS

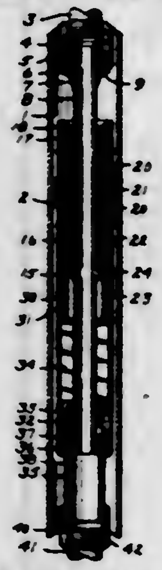
Johannes Alfthan, New York, N. Y., and Reuben T. Fields, Arlington, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application April 29, 1943, Serial No. 485,024
6 Claims. (Cl. 18—8)



1. A method of producing a filament having uniformly recurring symmetrically tapered portions which comprises extruding an organic filament-forming material in molten condition at a constant volume rate through a spinneret across an air gap into a liquid cooling bath maintained at a temperature below the temperature of solidification of said material, and directly withdrawing the filament formed in accordance with a repetitive schedule of linear rates comprising a period of acceleration, a period of deceleration of greater duration than that of acceleration, and a period of uniform withdrawal.

2,418,493
CIRCULATING TYPE PACKER AND VALVE THEREFOR

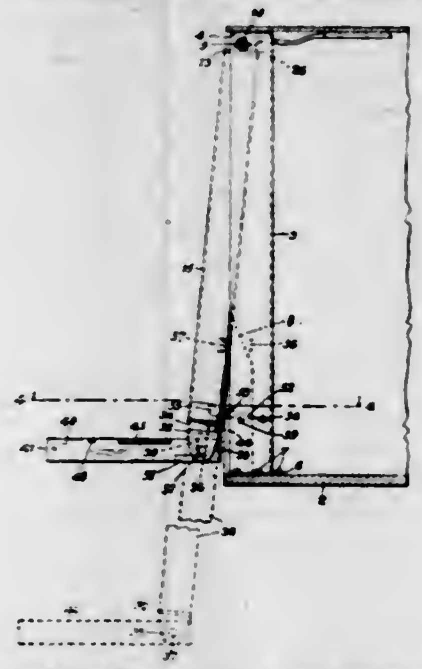
Herbert Allen, Houston, Tex., assignor to Cameron Iron Works, Houston, Tex., a corporation of Texas
Application August 20, 1943, Serial No. 499,393
10 Claims. (Cl. 166—10)



1. In a device of the class described, a packer including a head having an upwardly facing seat thereon, a tubing string and a valve on said tubing string movable with said string to engage said seat and control the discharge of fluid through the head about the tubing string, said valve comprising a valve cage removably connected in the said string and an annular valve sealing assembly fitting telescopically therein, said annular assembly including substantially rigid parts providing an annular downwardly opening channel therein, and a body of resilient material confined and filling the spaces between the valve cage, said parts and the tubing string, and filling said channel.

2,418,494
TWIN LIFT

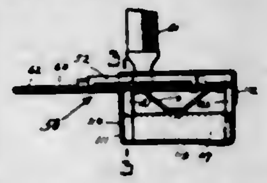
William C. Anthony and Lester W. Wachter, Streator, Ill., assignors to Anthony Company, Streator, Ill., a corporation of Illinois
Application February 16, 1945, Serial No. 578,170
22 Claims. (Cl. 187—17)



1. In combination in a platform elevating assembly, a pair of hydraulic raising means, a fixed support for each, each raising means being movably supported adjacent its upper end by its support, and adapted to move outwardly from said support, each support being provided with a member which in one relative position of the parts interfits with one hydraulic means, a platform pivoted between the free ends of said hydraulic means, and a member rigidly connecting parts of the free ends of both hydraulic means, and carrying said platform.

2,418,495
RAZOR BLADE DISPENSING MAGAZINE

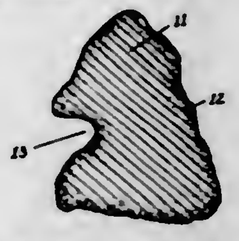
Zemach Auerbach, New York, N. Y.
Original application November 6, 1941, Serial No. 417,978. Divided and this application September 21, 1943, Serial No. 503,232
3 Claims. (Cl. 206—16)



1. In a magazine for razor blades of the character described, comprising a bottom, a pair of opposed sides, a back which acts as a stop, a front and a pair of longitudinal channels along the top adjacent said sides and open at the front to receive the guards of a double edged razor, an inner member in the bottom of said magazine having opposed sides bent downwardly forming an inner compartment for used blades and a pair of front and back blade guides bent upwardly parallel to each other, said front guides having inwardly sloping tops adjacent the open ends of said channels, an opening leading into said compartment, spring means within said magazine for maintaining a stack of blades under upward pressure whereby the uppermost blade will enter the razor head upon insertion of said razor head into said magazine.

2,418,496
ALUMINA SOLID SOLUTION

Henry N. Baumann, Jr., and Raymond C. Benner, Niagara Falls, N. Y., assignors to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
Continuation of application Serial No. 506,226, October 14, 1943. This application October 25, 1944, Serial No. 560,230
24 Claims. (Cl. 106—65)



3. A modified alumina body consisting of an interior portion which is essentially crystalline Al_2O_3 and a surrounding layer, integral therewith, comprising a solid solution of at least one oxide selected from the group consisting of CR_2O_3, V_2O_3, Fe_2O_3 and Mn_2O_3 in crystalline alumina.

2,418,497
N-(ACYLTHIOMETHYL) CARBONYLAMIDES AND THEIR PRODUCTION

William James Burke, Marshallton, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 1, 1944, Serial No. 524,623
15 Claims. (Cl. 260—455)

6. An N-(acetylthiomethyl)carbonylamide, the carboxylic acid radical of said amide being of one to seven carbon atoms.

2,418,498
ORGANIC SOLVENT SOLUBLE DERIVATIVES OF CELLULOSE AND PROCESS FOR PREPARING THE SAME

William James Burke, Marshallton, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 15, 1944, Serial No. 540,533
17 Claims. (Cl. 260—226)

16. An organic solvent-soluble hydroxyl-containing cellulose derivative of the class consisting of cellulose ethers and esters having cellulosic hydroxyl hydrogen thereof replaced by a methylene group in turn attached through oxygen to a monovalent radical containing an ester group.

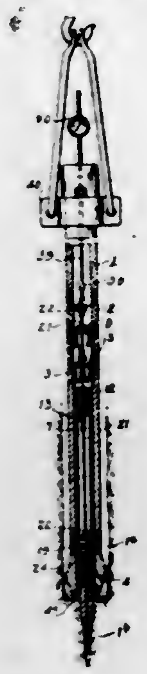
2,418,499
2-ALKOXYMETHYLMERCAPTO-THIAZOLES AND THIAZOLINES AND A PROCESS FOR PREPARING THE SAME

William James Burke, Marshallton, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 20, 1944, Serial No. 541,276
13 Claims. (Cl. 260—302)

3. A heterocyclic compound having a methoxymethylthio radical attached to the 2-carbon atom of a five membered ring said ring being selected from the group consisting of the thiazole ring and the thiazoline ring.

2,418,500
APPARATUS FOR SAMPLING FORMATION FLUIDS

Lawrence S. Chambers, Alhambra, Calif.
Application March 17, 1942, Serial No. 435,038
5 Claims. (Cl. 255—1.4)



1. In combination, a drill string, a core head at one end of the drill string, a sub connecting said core head to said drill string, an enlarged section in said core head, a sampling device adapted to be lowered into said core head, said sampling device comprising a barrel, a piston in said barrel, a latch assembly at one end of said barrel, said latch assembly comprising a swingable latch adapted to engage said enlarged section whereby the weight of said drill string may be placed on said latch to hold said device in place in said core head, a piston rod passing through said latch assembly, a wedge surrounding said piston rod, and freely movable in a vertical

direction to engage said latch, a spring freely suspended from said wedge whereby said spring is compressed between the piston and said wedge when said wedge is moved into engagement with said latch by said spring on compression by said piston, whereby said wedge will retract said latch when the weight of the drill string is taken off said latch and said piston is moved upward to compress said spring, a check valve at the other end of said barrel, a punch connected to said barrel, a conduit in said punch connected to said valve and said barrel whereby said punch is driven into said formation when the weight of said drill string is placed on said latch, means passing through the drill string from the surface and engaging said piston rod, whereby said piston rod may be raised to withdraw a sample from said formation and to compress said spring and lift the wedge into engagement with said latch and whereby the wedge will unlatch the said barrel when the weight of the drill string is raised off said latch to permit the withdrawal of said sampling device.

2,418,501

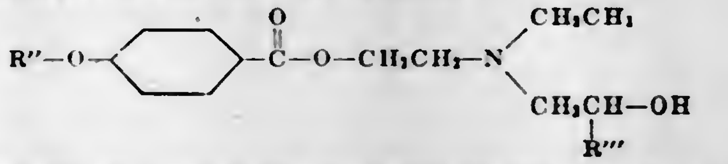
ALKOXY BENZOATES OF N(HYDROXY ETHYL) AND N(HYDROXY PHENETHYL) SUBSTITUTED AMINO ALCOHOLS

Walter G. Christiansen, Glen Ridge, and Sidney E. Harris, Nutley, N. J., assignors to E. R. Squibb & Sons, New York, N. Y., a corporation of New York

No Drawing. Original application September 9, 1937, Serial No. 163,034. Divided and this application June 28, 1944, Serial No. 542,620

5 Claims. (Cl. 260—473)

1. A compound of the group consisting of amino-esters of the general formula



$$R''-O-C_6H_4-\overset{\overset{O}{\|}}{C}-O-CH_2CH_2-N\begin{cases}CH_2CH_3\\ CH_2\underset{\underset{R'''}{|}}{CH}-OH\end{cases}$$

wherein R'' represents an alkyl residue with 2 to 4 carbon atoms, and R''' represents a member of the group consisting of hydrogen and phenyl; and acid-addition salts thereof.

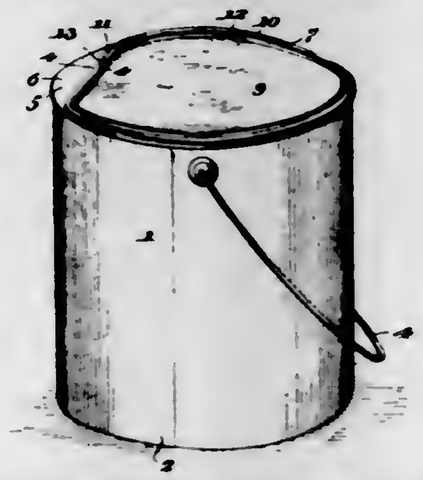
2,418,502

CONTAINER AND SCRAPING DEVICE THEREFOR

Robert O. Ferguson, Bristol, Tenn., assignor of one-half to Bristol Steel & Iron Works, Inc., Bristol, Va.-Tenn., a corporation of Virginia

Application October 21, 1944, Serial No. 559,808

5 Claims. (Cl. 220—90)



1. In a paint can, said can having a crown, said crown being provided with a partially circular groove and a straight groove joining the ends of the partially circular groove, said crown having a flat surface of such size as to support a paint brush, a second surface spaced from said first surface by said straight groove, said second named surface having a straight edge overlying the interior of the can, and a top for said can, said top being provided with a partially circular flange and a straight flange joining the ends of the partially circular flange, said flanges corresponding in shape and size to the grooves of said crown.

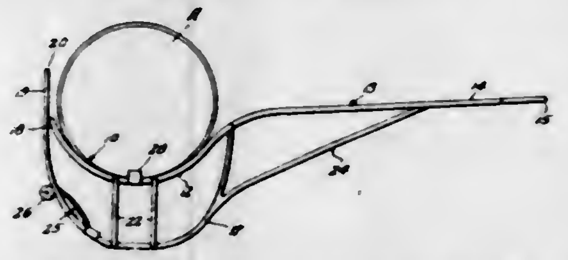
2,418,503

DRUM HANDLING DEVICE

Wilson R. Fox, Wyandotte, Mich.

Application March 24, 1945 Serial No. 584,585

2 Claims. (Cl. 214—1)



1. A drum handling device comprising a drum supporting cradle of substantially arcuate cross section, said cradle including a pair of spaced parallel side bars joined by curved end bars, stops at opposite ends of the cradle, a handle projecting from one side of the cradle, said handle including a pair of spaced parallel bars joined by a handle bar extending transversely therebetween at the end of the handle remote from the cradle, extensions on the spaced parallel bars forming the handle, said extensions being curved to conform to the curvature of the curved end bars of the cradle, a pair of spaced rockers depending from the side bars of the cradle, a pair of spaced parallel bars projecting outwardly from each curved end bar of the cradle, a rocker depending from the extreme outer end of each outwardly projecting bar and curving toward and joining the first-mentioned rockers, springs carried by the rockers on the side of the cradle opposite the handle and rollers carried by the springs and adapted when the device is unloaded to facilitate its movement over a supporting surface.

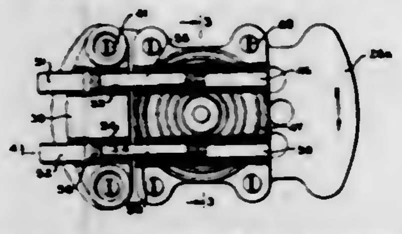
2,418,504

DISTRIBUTOR

Jakob R. Frei, Sidney, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application October 8, 1940, Serial No. 360,227

8 Claims. (Cl. 200—21)



2. In an electric current distributor for internal combustion engines or the like, a rotatable member, a block of insulating material secured to said member for rotation therewith, said block being symmetrical with respect to a plane containing the axis of rotation of said member, a metallic terminal on said block, co-axial recesses in opposite sides of said block, contact means in said recesses, and means connecting said terminal to said contact means.

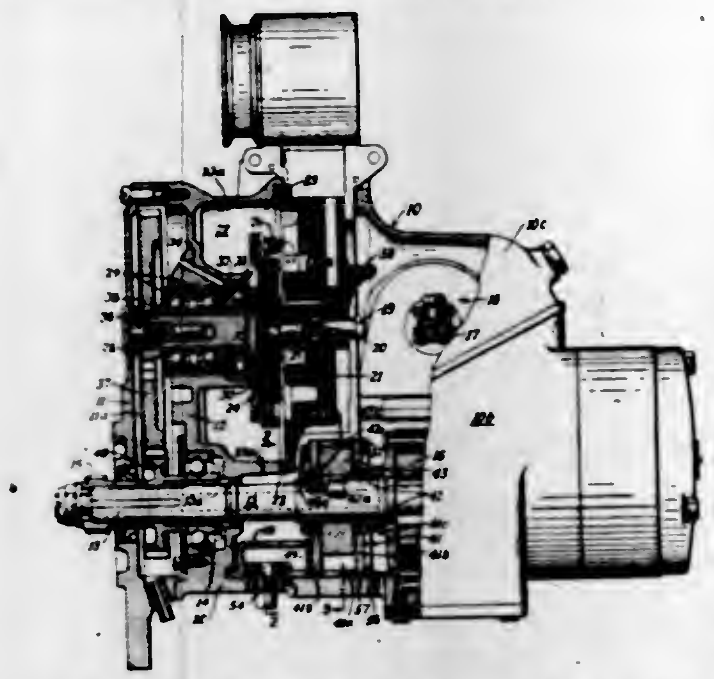
2,418,505

IGNITION APPARATUS

Jakob R. Frei, Sidney, N. Y., assignor to Bendix Aviation Corporation, New York, N. Y., a corporation of Delaware

Application October 15, 1942, Serial No. 462,127

16 Claims. (Cl. 171—209)



1. In ignition apparatus having a housing including at least two sections and a drive shaft mounted in said housing, a pump for supercharging said housing, said pump comprising a rotor mounted on said drive shaft, centrifugally responsive vanes slidably mounted in said rotor, and a pump casing containing said rotor and cooperating with the latter and said vanes to define a plurality of pressure chambers, and adapter means adjoining said pump for admitting air to said pressure chambers and for delivering the compressed air from said chambers to a predetermined portion of said housing, said pump and adapter means being clamped in operative position between said housing sections.

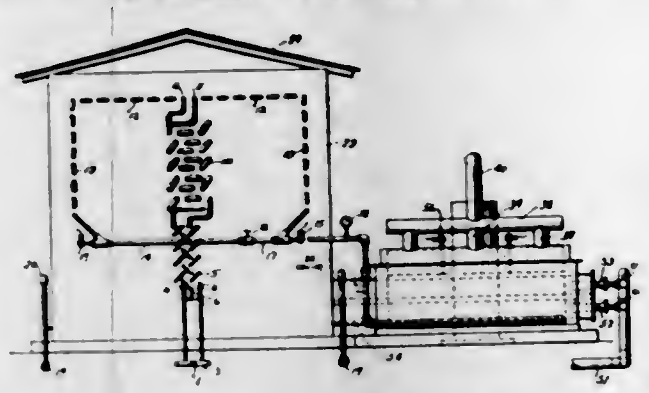
2,418,506

HIGH-TEMPERATURE CRACKING APPARATUS

William F. Fulton, Shreveport, La., assigner to United Gas Pipe Line Company, Shreveport, La., a corporation of Delaware

Application September 27, 1943, Serial No. 503,934

3 Claims. (Cl. 196—117)



1. In an apparatus for cracking chemical compounds which are liquid at normal atmospheric temperatures and pressures, a preheating furnace for receiving an initially vaporizing the compounds to be cracked, a refractory tube, an adjustable burner individual to said tube with its nozzle projecting into one end thereof, second tubes positioned beneath and transversely of said refractory tube for conducting the vaporized compound from said preheating furnace to the exterior of said refractory tube, confining refractory walls so constructed and arranged that the vaporized compound flows about said refractory tube to raise the compound to the desired cracking temperature, said preheating furnace and said refractory tube being in communication with each other.

2,418,507

PRODUCTION OF SPINNABLE VINYL RESIN COMPOSITIONS

Roland D. Glenn, South Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York

No Drawing. Application August 16, 1944, Serial No. 549,799

7 Claims. (Cl. 260—32)

1. Process for preparing a spinnable dispersion in a volatile spinning solvent of a vinyl resin formed by the emulsion polymerization of not more than two vinyl compounds including a vinyl halide, said resin containing components incompletely dispersible in the solvent at the spinning temperature and rendering a dispersion of the resin in said solvent not practically spinnable by conventional wet- and dry-spinning procedures, which comprises intimately mixing such a vinyl resin with said solvent at an elevated temperature to form a resin dispersion, filtering such dispersion under pressure, and conducting the resultant filtered dispersion to a spinning operation while at a temperature within the range between about 30° C. and about 55° C., and, at some stage in the process prior to said spinning operation, heating the resin dispersion for a period of at least five minutes to a temperature within the range between around 80° C. and around 100° C. but above the boiling point of the solvent at atmospheric pressure while under superatmospheric pressure sufficient to minimize local evaporation of the solvent, thereby providing a spinnable dispersion of greatly improved spinning characteristics.

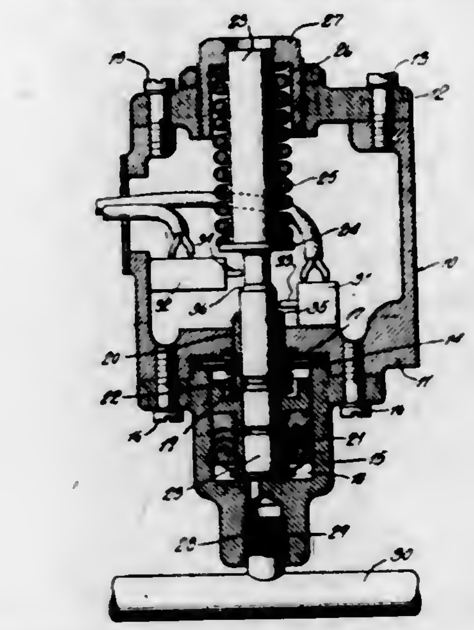
2,418,508

PRESSURE-RESPONSIVE DEVICE

George A. Goepfrich, Stamford, Conn., assignor to The Allied Control Valve Company, Inc., South Norwalk, Conn., a corporation of Connecticut

Application January 30, 1946, Serial No. 644,302

10 Claims. (Cl. 200—82)

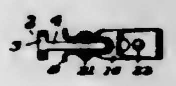


1. A device of the character described comprising a housing having an aperture extending through one wall, a tubular member communi-

cating with said aperture and including a cylinder of larger cross-section than said aperture, a sleeve piston slidably mounted in said cylinder and having a portion extending through said aperture, a solid piston slidably mounted in said portion, resilient means individual to each piston biasing the two pistons in the same direction, and a pair of switches within said housing each having an operating member extending into the path of movement of one piston.

2,418,509
FLUID PROPELLED ARTICULATED SCRAPER FOR CLEANING TUBES

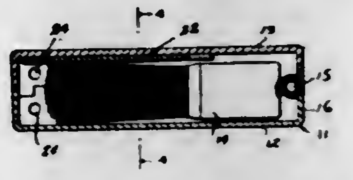
Cecil M. Griffin, Pittsburgh, Pa.
Application November 28, 1944, Serial No. 565,452
7 Claims. (Cl. 15—104.06)



1. A tube cleaner comprising an articulated body having at least two sections arranged in end to end relation and a substantially U-shaped scraper element embracing each section and secured thereto, the legs of the scraper element having outwardly turned blade portions at their free ends, one of said scraper elements being axially displaced 90° with respect to the other.

2,418,510
FOLDING SHAVING BRUSH

William B. Grogan, Long Beach, Calif.
Application December 18, 1945, Serial No. 635,669
1 Claim. (Cl. 15—185)

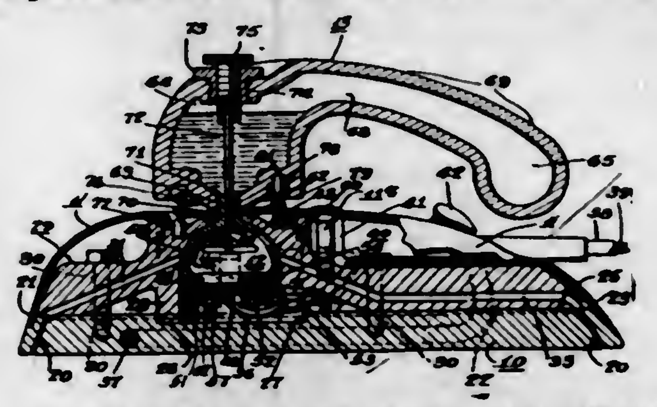


A folding shaving brush comprising a housing having rectangular walls, said housing including a pair of cup-shaped segments hinged together at a first longitudinal edge of one of the segments, a brush member hinged to the upper edge of a forward end wall of one of the segments for rotation through an angle of substantially 180° from a folded position within the housing to an unfolded position outside the housing, said brush member being provided with a base portion and being adapted to be locked in unfolded position by abutment of said base portion with the forward end walls of the cup-shaped segments, and a guard member L-shaped in transverse section hinged at one edge thereof to the longitudinal edge of said one segment opposite said first longitudinal edge, said guard member being adapted to overlie the brush member when it is in its folded position.

2,418,511
STEAM ELECTRIC IRON

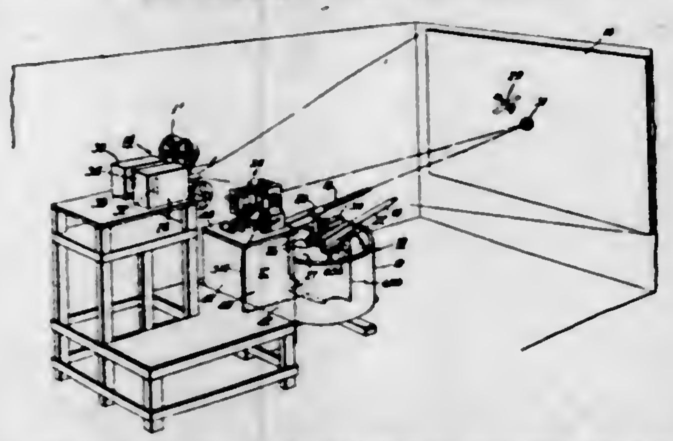
William C. Hume, Willow Grove, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application June 30, 1944, Serial No. 542,883
15 Claims. (Cl. 38—77)

11. A steam iron including a steam discharge aperture, a reservoir, a steam generator having a normally closed port adapted for registry with said aperture, means for feeding water from said reservoir to said generator to form steam, and means for moving said generator to register the said port with said discharge aperture for delivery of the steam to the latter, said generator thereby constituting a valve controlling discharge of steam from said aperture.



2,418,512
ARTILLERY TRAINING APPARATUS AND METHOD

Reynold B. Johnson, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application September 8, 1944, Serial No. 553,167.
12 Claims. (Cl. 35—25)



1. The method of artificially producing visual effects on a projection screen representative of tracer projectile firing which consists in successively forming registering apertures in a plurality of contiguous opaque sheets of blank material and thereafter moving said sheets in different directions each in its own plane, projecting a beam of light through each aperture formed in the composite sheets and onto a projection screen immediately after each forming operation thus causing said beam to gradually close-off by virtue of the relative movement of said sheets.

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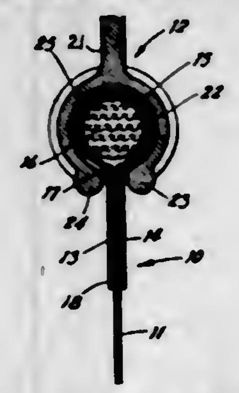
2 418,513
HOSE SUSPENSION

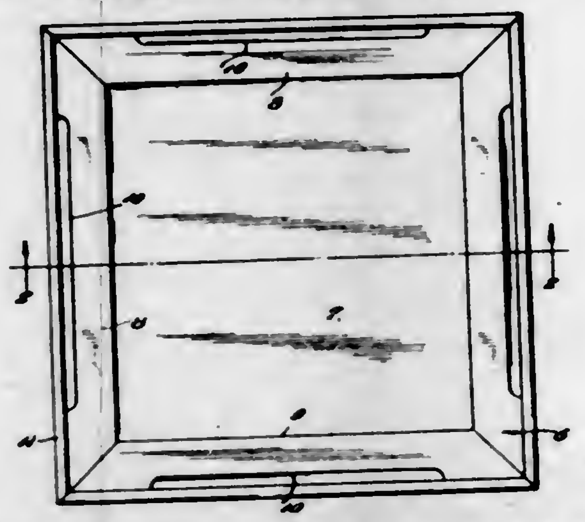
Jack Jolley, Los Angeles, Calif.
Application December 8, 1945, Serial No. 633,763
2 Claims. (Cl. 2—240)



1. In combination with hose having beads formed about their upper ends, of supporting means for each hose including an arcuate body having oppositely disposed integrally formed arcuate bead engaging and clamping fingers on its lower side terminating in a restricted channel through which a bead on said hose is adapted to be received, and means on the upper portion of said body for securing the same to a garter support.

2,418,514
CARD TABLE

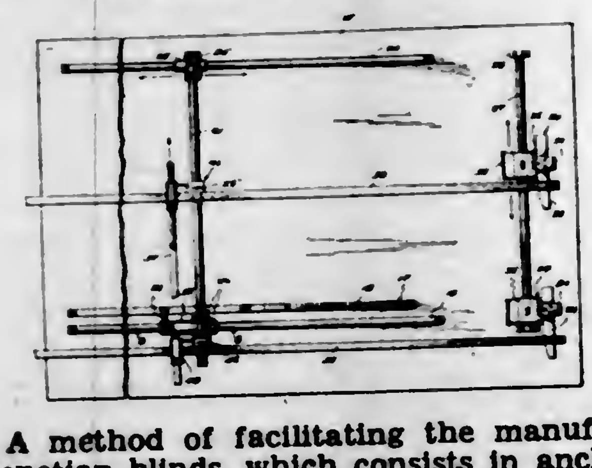
Verne E. Lamberson, East Chicago, Ind.
Application August 16, 1944, Serial No. 549,654
2 Claims. (Cl. 273—136)



1. In a card table, a table top comprising a rectangular panel having an exposed and flat slightly depressed rectangular major central upper surface portion, a flat raised marginal upper surface portion, and an exposed slope leading upwardly and outwardly from the outer edge of the depressed central surface portion to the inner edge of the raised marginal surface portion, said marginal surface portion being exposed and sufficiently wide to permit placement of cards thereon and shuffling of cards on the same.

2,418,515
METHOD AND APPARATUS FOR MEASURING AND MANUFACTURING VENETIAN BLINDS

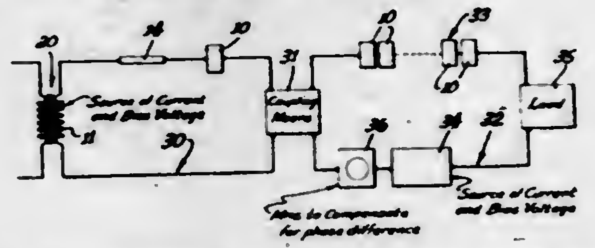
Robert P. Lewis, Waco, Tex., assignor to Clark T. Collins, Waco, Tex.
Application December 8, 1944, Serial No. 567,308
8 Claims. (Cl. 160—405)



1. A method of facilitating the manufacture of Venetian blinds, which consists in anchoring the ends of a pair of parallel tape ladders in transverse alignment, inserting a cross bar through said tape ladders at measured distances from the points of anchorage, cutting the tape ladders adjacent said bar while the tape ladders are taut to afford tape ladder extensions that can be folded against said bar, producing slackness in the tape ladders, and then folding said extensions and securing them to said bar.

2,418,516
AMPLIFIER

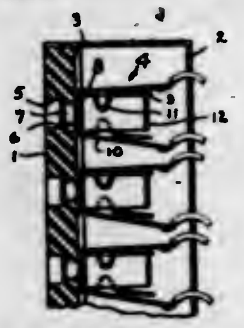
Eric Lidow, Los Angeles, Calif., assignor to Selenium Corporation of America, Los Angeles 15, Calif., a corporation of California
Application June 6, 1944, Serial No. 538,967
2 Claims. (Cl. 250—41.5)


20
10
31
33
35
Source of Current and Bias Voltage
Coupling Means
Load
11
30
36
34
32
Means to Compensate for phase difference
Source of Current and Bias Voltage

1. In an electric amplifier, a dry type element having a curved characteristic and capable of passing substantial current only above a predetermined voltage, means coupled to said element for applying a current to said element of substantially said predetermined voltage, a current generator responsive to energy received in the form of wave motion, means coupling said generator and said element for applying current from said generator to said element whereby the voltage across said element is increased sufficiently to cause the element to pass current, and means in circuit with said element in which the current acts.

2,418,517
TESTER JACK

Frederick J. Lingel, Bluffton, Ohio, assignor to Ray L. Triplett, Bluffton, Ohio
Application December 31, 1942, Serial No. 470,898
6 Claims. (Cl. 200—51.10)



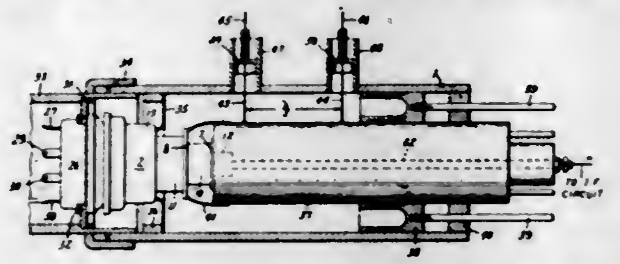
1. Tester jack apparatus comprising a pair of jacks positioned adjacent one another both of said jacks being formed of strip material bent to U-shape, only one of said jacks having a projection which extends across the legs of said one jack to a position adjacent one of the legs of the other jack, said cross projection being adapted to connect said two jacks when said first mentioned jack is in use, but to disconnect them when said latter mentioned jack is used.

2,418,518
ULTRA HIGH FREQUENCY CONVERTER OF THE SPACE-RESONANT TYPE

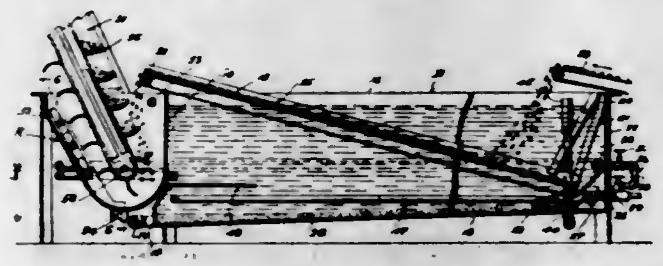
Elmer D. McArthur, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application March 20, 1943, Serial No. 479,926
14 Claims. (Cl. 250—36)

13. The method of utilizing a space resonant cavity for wave comparison purposes which comprises establishing an electric discharge at a point within said cavity, establishing a predetermined excitation of said cavity of one frequency at a first position within said cavity, establishing a second excitation of substantially the same frequency within said cavity at a position displaced

from the first position by a distance corresponding to substantially a half wave length at said frequency thereby utilizing the time of transit of the electromagnetic energization of said cavity between said excitations and said discharge for controlling the phase and magnitude of the resultant voltage impressed across a portion of said discharge, and utilizing the net excitation of said cavity for producing a corresponding potential difference across said discharge.

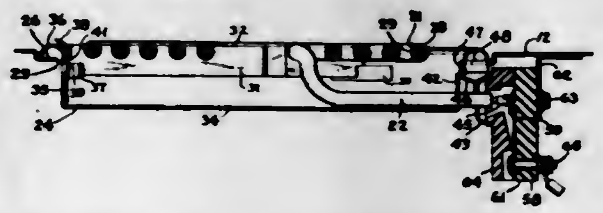


2,418,519
BLANCHING MACHINE
Freeman M. McBeth, Harrisburg, Pa.
Application August 24, 1943, Serial No. 499,842
9 Claims. (Cl. 99—443)



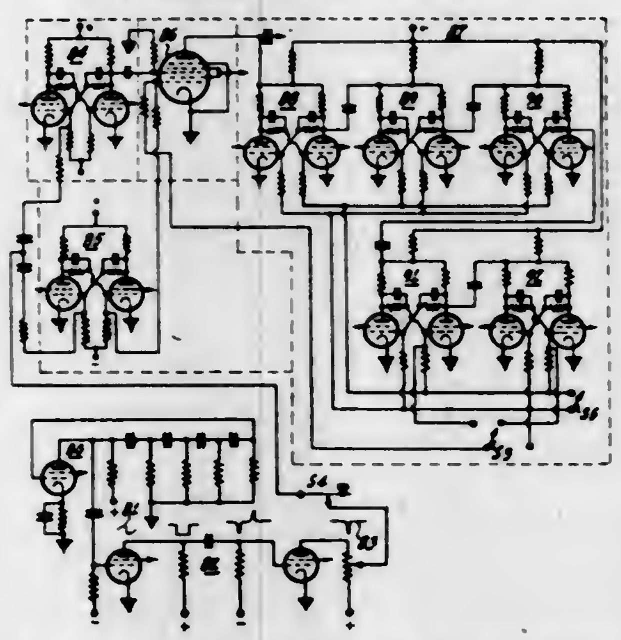
1. A blanching machine comprising an elongated tank for the reception of a treating liquid, an upwardly inclined conveyor in the tank and having its lower end near the bottom of the tank adjacent one end thereof, means adjacent the upper end of the conveyor to receive material discharged therefrom, means for feeding material into the tank onto the lower end of the conveyor, a liquid nozzle in the tank at an elevation above the lower end of the conveyor and directed toward the conveyor, liquid circulating means including a pump for drawing off liquid from the end of the tank remote from the nozzle and returning it under pressure into the tank through the nozzle, a second nozzle beneath the first nozzle at an elevation to discharge below the lower end of the conveyor and along the bottom of the tank, a valved supply pipe connecting the second nozzle with the return side of the liquid circulating means, and a sediment outlet at the end of the tank remote from the nozzles.

2,418,520
ELECTRIC RANGE SURFACE UNIT
Eldred O. Morton, Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 11, 1942, Serial No. 454,398
3 Claims. (Cl. 219—37)



2. A range comprising a body having a platform, said platform having an opening therein adapted to receive an electric surface unit, a surface unit removably received in said opening, a tongue carried by said surface unit, said platform having a notch therein at said opening, said tongue being receivable in said notch to guide said unit into said opening, a terminal projecting horizontally from said surface unit, and a terminal receptacle secured below said platform adjacent said opening and arranged to removably receive said terminal.

2,418,521
IMPULSE MEASURING DEVICE
George A. Morton and Leslie E. Flory, Princeton, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Original application January 21, 1943, Serial No. 473,146, now Patent No. 2,404,047, dated July 16, 1946. Divided and this application January 8, 1945, Serial No. 571,880
5 Claims. (Cl. 177—353)

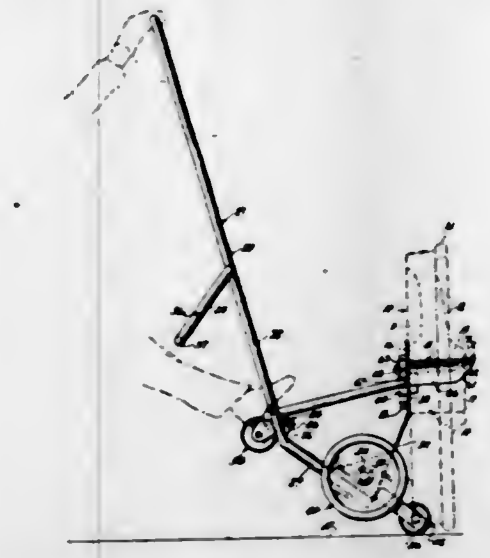


1. A circuit for generating a predetermined number of voltage pulses which includes a source of oscillations, a blocking amplifier, means responsive to said oscillations for initially unblocking said amplifier, means responsive to said oscillations for delaying said oscillations until said amplifier is unblocked and for applying said delayed oscillations to said amplifier, an electronic counter, means for applying said delayed and amplified oscillations to actuate said counter, means for deriving a control potential from said counter when a predetermined number of oscillations have been counted thereon, means for applying said control potential to block said amplifier, and means for deriving said pulses from said amplifier.

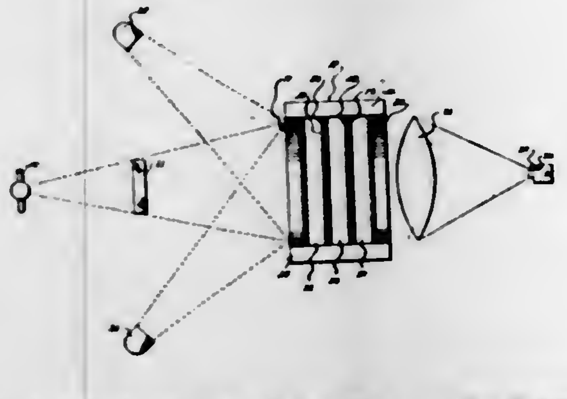
2,418,522
HAND TRUCK FOR TRANSPORTING CAR WHEELS
Houghton L. Needham, Chicago, Ill.
Application February 27, 1946, Serial No. 650,568
12 Claims. (Cl. 214—65.4)

1. In a wheeled vehicle for transporting railway car wheels or the like, the combination of a chassis provided with wheels, and a handle member extending rearwardly and upwardly from said chassis, with a wheel supporting member extending forwardly and upwardly and adapted to be inserted into the bore of a car wheel when the vehicle has its handle tilted upwardly whereby the wheel supporting member may lift the wheel from its edge into the position in which the weight of

the wheel keeps the wheel impaled upon said wheel supporting member for safe transport upon said vehicle, said chassis including a pair of main supporting wheels located forwardly of the chassis under said car wheel supporting member, about which the chassis may be tilted, and said chassis including a rearwardly located stabilizing wheel for supporting a minor part of the load on the vehicle, said latter wheel comprising a caster wheel mounted upon a vertical axis on said chassis, said vertical axis being eccentric with respect to the wheel axis, whereby the caster wheel is steered by the force applied to the propulsion of the chassis.

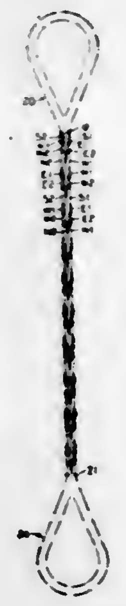


2,418,523
METHOD AND APPARATUS FOR PRODUCING RADIOGRAPHS
Seth H. Neddermeyer, Pasadena, Calif., and Donald W. Kerst, Urbana, Ill., assignors to the Government of the United States, as represented by the Director of the Office of Scientific Research and Development, Office for Emergency Management
Application September 18, 1945, Serial No. 617,130
11 Claims. (Cl. 250—65)



1. In apparatus for obtaining a shadowgraph, the combination with an X-ray source and an object spaced therefrom and subjected to radiation by said source, of means responsive to weak X-rays of varying intensities, said means comprising a plurality of aligned cloud chambers disposed in respect to said source and said object in a manner to receive incident radiation carrying the image of said object, portions of said chambers presented to said image-carrying radiation being transparent to light and semi-opaque to X-rays, and means disposed along the axis of said image-carrying radiation for photographically recording the composite image presented by said chambers.

2,418,524
BRAIDED SLING
Vincent C. J. Peterson, Forty Fort, and Walter A. Loewen Wilkes-Barre, Pa., assignors to American Chain & Cable Company, Inc., Bridgeport, Conn., a corporation of New York
Application June 5, 1945, Serial No. 597,648
9 Claims. (Cl. 87—8)



1. The method of braiding eight ropes which comprises arranging the ropes in four pairs, each pair occupying the corner of a quadrilateral, transposing the pairs of one diagonal, one pair passing between the ropes of the other pair, transposing the pairs of the other diagonal, one pair passing between the ropes of the other pair, and repeating until sufficient braid has been formed.

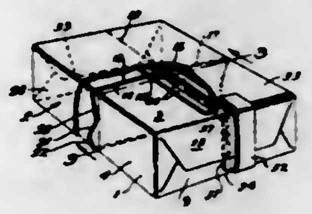
2,418,525
MANUFACTURE OF WATER-RESISTANT UNINFLAMMABLE ORGANIC FIBROUS MATERIALS AND PRODUCT
Frederick F. Pollak, Brooklyn, N. Y.
No Drawing. Application September 29, 1942, Serial No. 460,179
6 Claims. (Cl. 117—137)

1. A method for rendering textiles and fabrics permanently not inflammable, water resistant and mildew proof, comprising passing the said materials through aqueous solutions containing pyrophosphoric acid and melamine, precipitating thereby on and within the fibres of the treated article finely divided melamine pyrophosphate and insolubilizing the latter on the fiber by drying the articles at a temperature of about between 120 to 140° C.

2,418,526
DISPENSING PACKAGE
Morris R. Reitman, Chicago, Ill.
Application November 13, 1944, Serial No. 563,178
2 Claims. (Cl. 206—41)

1. A package of the class described having a substantially continuous opening line traversing a pair of oppositely disposed walls and one of a second pair of oppositely disposed walls intermediate said first mentioned pair, the other wall of said second mentioned pair being bendable along a line extending between the ends of said opening line, and a one piece element encircling the package transversely of its oppositely disposed bending and opening lines, said element having end portions disposed on the intermediate

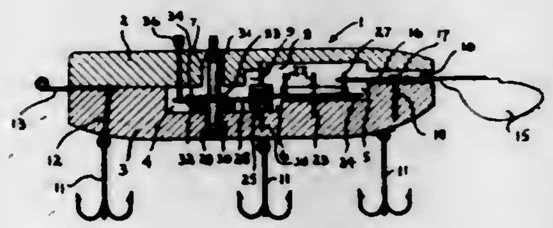
wall having a portion of said opening line therein and respectively on opposite sides of the latter, opposite wall engaging portions of said element being bowed inwardly of the package so as to effect recessing of the wall portions engaged



thereby, the portion of said element traversing the bendable wall of the package being flexible and resilient so as to permit opening, and so as to effect closing of the package substantially as described.

2,418,527
ARTIFICIAL LURE

William Henry Riggan, Warrenton, N. C.
Application August 31, 1945, Serial No. 613,844
5 Claims. (Cl. 43—43)



4. An artificial lure comprising a body of buoyant material formed internally with intercommunicating front and rear pockets and with a passage extending from the rear pocket through the rear end of the body, an impeller back of said body having an arm extending through the passage and into the rear pocket, a gear rotatably mounted in the rear pocket and provided with abutments for successively engaging said arm and imparting movement to the impeller during rotation of the gear, driving means in the front pocket including a gear, and means for transmitting rotary motion from the gear of the driving element to the gear in the rear pocket.

2,418,528
CHROMIUM COMPLEX COMPOUNDS

Edwin A. Robinson, Chatham, and Ralph M. Beach, Newark, N. J., assignors to National Oil Products Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application November 21, 1941, Serial No. 419,912
5 Claims. (Cl. 260—438)

1. A process for the production of a chromium complex compound incapable of precipitating chromium upon an addition of an excess of alkali thereto which comprises cooling a phenol sulfonate below room temperature, condensing formaldehyde therewith in the ratio from ½ to 3 mols of formaldehyde to each mol of phenol sulfonate, and reacting hexavalent chromium compound with the sulfonated phenol formaldehyde condensation product, the ratio of equivalent weights of chromium in the hexavalent chromium compound to mols of phenol formaldehyde condensation product being not more than 3 to 1.

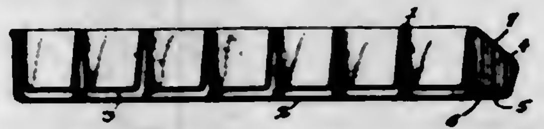
2,418,529
EMBRITTLED SILVER SOLDER BONDED ABRASIVE

Albert Stern, Chicago, Ill.
Application December 4, 1944, Serial No. 566,555
4 Claims. (Cl. 51—309)

1. A substantially non-glazing abrasive body comprising a bonding matrix of silver solder having embedded therein substantial quantities of abrasive particles and a filling agent consisting of mica-flakelets.

2,418,530
ICE-CUBE TRAY

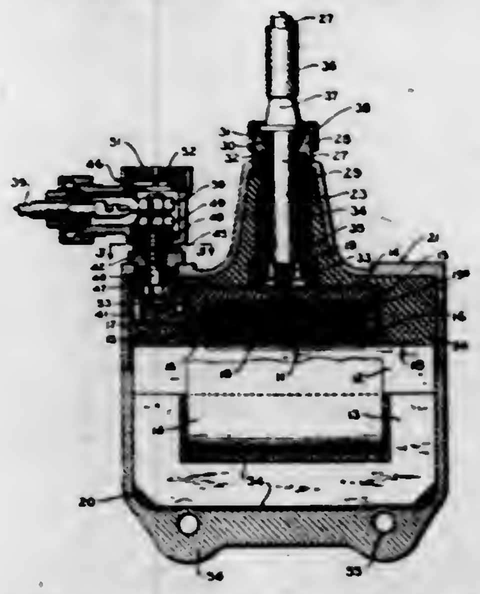
Homer R. Tharp, San Antonio, Tex.
Application October 3, 1945, Serial No. 619,920
3 Claims. (Cl. 62—108.5)



3. In an ice-cube tray, the combination of a cup section, a bottom section integral with said cup section, said tray provided with a transversely extending mouth at one end, said cup section being radically beveled at said mouth, said cup section provided with an elongated inwardly extending handle overhanging part of said mouth, said bottom section having the edge of said mouth extending inwardly, and said handle and inwardly extending edge constituting a funnel for facilitating the placing of liquid in said mouth and between the cup and bottom sections.

2,418,531
IGNITION COIL

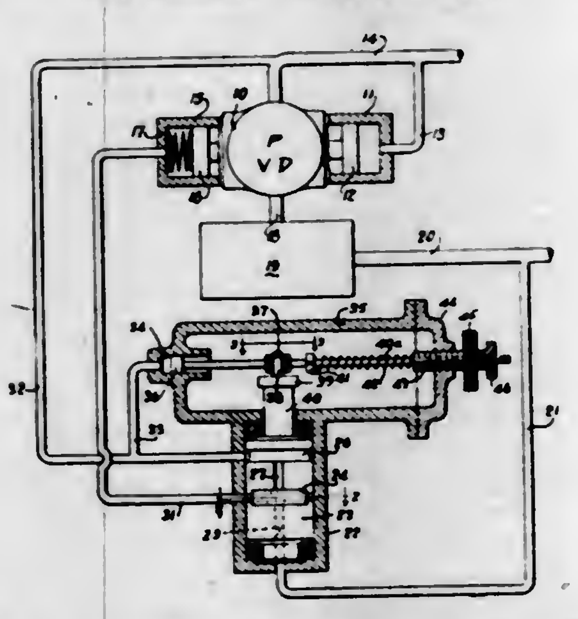
Tullio Tognola, Sidney, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application December 21, 1939, Serial No. 310,377
8 Claims. (Cl. 175—361)



1. A device of the class described comprising an ignition coil including primary and secondary windings, a rigid insulating housing for said coil, an electric terminal connected to one of said windings, a metallic casing surrounding said coil and having an opening therein, and socket means comprising a rigid tube of insulating material and a resilient tube of insulating material interposed end-to-end between said casing and housing with the bores of said tubes in alignment with said opening and said terminal.

2,418,532
REMOTE CONTROL

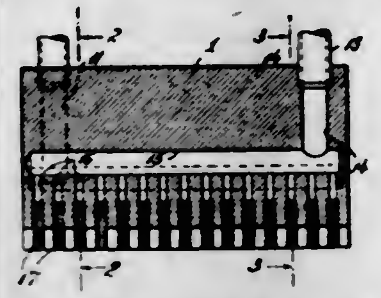
George A. Waldie, Edison, Ohio, assignor to The Hydraulic Development Corporation, Inc., Wilmington Del., a corporation of Delaware
Application March 10, 1943, Serial No. 478,643
20 Claims. (Cl. 103—38)



1. In combination, a variable delivery pump having control means for varying the delivery, yielding means for continuously urging said control means in delivery increasing direction, fluid operable plunger means likewise associated with said pump control means and operable thereon selectively to move said means to vary the delivery of the pump, and choke means hydraulically connected between the delivery side of said pump and said plunger means and adapted in response to a predetermined pressure at the delivery side of said pump to cause said plunger means to reduce the delivery of said pump.

2,418,533
GAS TORCH

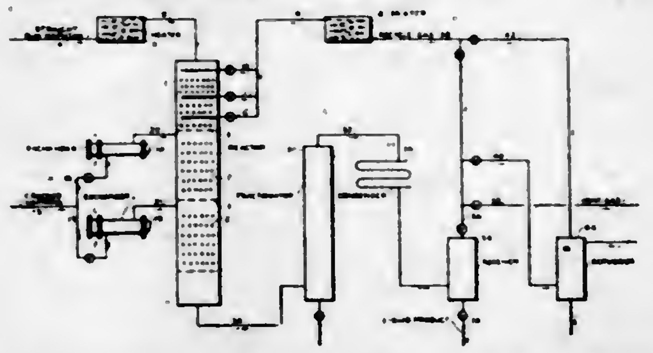
George L. Walker, Jersey City, N. J., assignor to Air Reduction Company, Incorporated, a corporation of New York
Application January 26, 1944, Serial No. 519,775
2 Claims. (Cl. 158—27.4)



1. A gas torch comprising an elongated block having a recess in its lower face extending lengthwise of the block, a series of nozzles carried by the block projecting into and through said recess and terminating substantially flush with the lower-most portion of the tip-face, said nozzles forming a series of gas passages, a series of gas passages in the block opening into the bottom of the recess, and means for delivering oxygen to all of the gas passages of one series and fuel gas to all of the gas passages of the other series.

2,418,534
HYDROCARBON CONVERSION PROCESS

Claude W. Watson, Scarsdale, N. Y., assignor to The Texas Company, New York 17, N. Y., a corporation of Delaware
Application August 18, 1944, Serial No. 550,101
3 Claims. (Cl. 196—50)



1. A continuous method of preparing gasoline rich in aromatic hydrocarbons and saturated aliphatic hydrocarbons from straight run and cracked naphtha hydrocarbons boiling within the range about 100 to 300° F. and containing sulfur-bearing compounds in substantial amount involving dehydrogenation of hydro-aromatic constituents of straight run naphtha and hydrogenation of olefinic constituents of cracked naphtha which comprises maintaining an elongated reaction zone containing a substantially stationary mass of hydrogenation-dehydrogenation catalyst and through which straight run hydrocarbons undergoing treatment flow from the inlet through a dehydrogenating section and thereafter through a hydrogenating section to the outlet of the reaction zone, continuously introducing a stream of straight run hydrocarbons to said inlet, effecting contact between introduced hydrocarbons and catalyst in the dehydrogenating section at an elevated temperature of about 850 to 860° F., under a pressure within the range about 400 to 800 pounds and with a space velocity in the range about 0.1 to 0.5 liquid volumes of naphtha per hour per catalyst, and in the absence of olefinic constituents of the cracked naphtha hydrocarbons such that dehydrogenation of said hydro-aromatic constituents occurs with liberation of hydrogen in substantial amount, continuously introducing to the hydrogenating section of the reaction zone cracked hydrocarbons, causing the products of dehydrogenation and the introduced cracked hydrocarbons to flow concurrently and in direct contact through the hydrogenating section at an elevated temperature in the range about 650 to 700° F. and with a space velocity in the range about 1 to 3 liquid volumes of combined naphtha per hour per catalyst such that hydrogenation of cracked hydrocarbons with said liberated hydrogen occurs, correlating the proportion of straight run hydrocarbons to cracked hydrocarbons charged so that the cyclic hydrocarbons are present in an amount equal to about 1.1 to 1.5 times the molecular equivalent of the olefins and such that free hydrogen in substantial amount is maintained in the reaction zone, continuing the flow of hydrocarbons through the reaction zone for substantially in excess of 100 hours without catalyst regeneration, continuously discharging from the outlet hydrocarbon products of reaction and free hydrogen, the liquid hydrocarbons contained in said products amounting to at least about 98 weight per cent of the combined

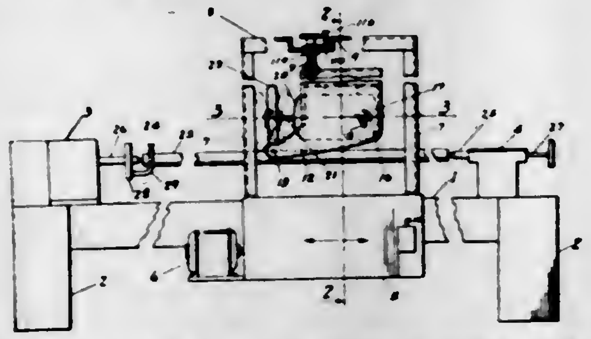
naphtha feed and the C_4 hydrocarbon and lighter constituents of said products consisting of not less than about 97 weight per cent hydrogen, separating hydrogen gas from the discharged products, heating the separated gas and introducing the heated gas at a plurality of succeeding points in the dehydrogenating section of the reaction zone to thereby maintain substantially uniform temperature throughout said section.

2,418,535
MACHINE FOR FINISHING METAL PARTS

Glenn D. Wild, Cleveland, Ohio, assignor of one-half to Michael Cisar, Cleveland Ohio

Original application March 30, 1942, Serial No. 436,890, now Patent No. 2,336,145, dated December 7, 1943. Divided and this application November 10, 1943, Serial No. 509,743

6 Claims. (Cl. 51—50)



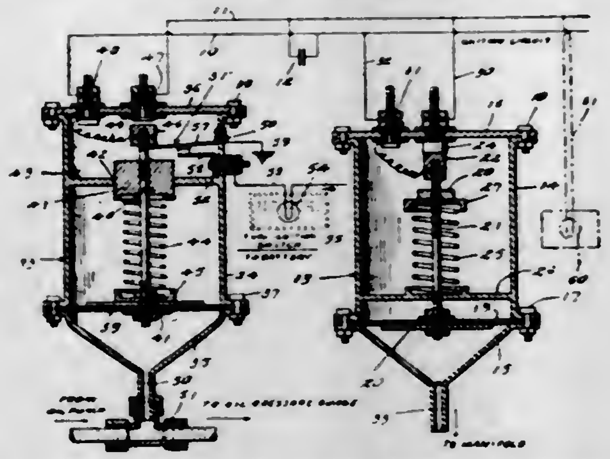
1. In a machine for grinding metal parts to fine finished tolerances, in combination, a support for the work, a grinding wheel having a resilient face, a mounting for the said wheel including complemental relatively movable cradle members disposed one within the other and pivotally connected together, one of which members supports the wheel, instrumentalities for adjusting said complemental members independently to adjust the wheel with its face in positions at a vertical angle and a horizontal angle to the work and for holding the wheel engaged with the work, and means to effect relative bodily movement of the work and wheel including a carriage supporting the other of the complemental members to cause passing of the wheel over the surface of the work to be finished.

2,418,536
AUTOMOTIVE OIL PRESSURE SAFETY SWITCH

Fremont E. Wood, Gabbs Valley, Nev.

Application May 6, 1943, Serial No. 485,918

1 Claim. (Cl. 200—83)



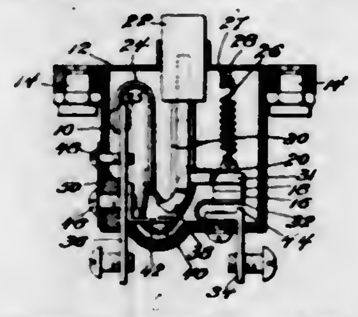
A switch of the character described comprising a casing provided with a removable endwall, said endwall being provided with an internal contact and a binding post, a cross partition in the casing having an opening therein, a rod slidable through the opening and provided with a contact at one end engageable with the first mentioned contact, a flexible connection between the rod contact and the binding post, an outwardly constricted closure for the other end of the casing and provided with a nipple, a flexible diaphragm interposed between the outwardly constricted closure in the adjacent end of the casing, clamp means between the last mentioned closure in the casing for clamping the diaphragm in place, a connection between the other end of the rod and the diaphragm, said partition having a well structure thereon, a coil compression spring on the rod having one end disposed in the well, a well cap on the rod for receiving the other end of the spring and being slideable on the rod and a nut adjustable on the rod and against the well cap for regulating the said spring.

2,418,537
ELECTRIC CIRCUIT BREAKER

Morris B. Wood, Newbury, Mass.

Application January 7, 1944, Serial No. 517,383

14 Claims. (Cl. 200—116)



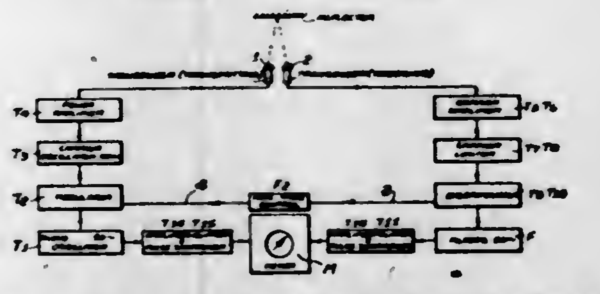
1. In an electric circuit breaker, a pair of contacts, the electrical conductivity of which is effective only above a predetermined contact pressure, the combination of contact actuating means comprising a rectangular shiftable flat metal slide for pressing the contacts together, a frame having guideways for the side edges of the slide, a first arm struck out of the center of the slide projecting transversely from the slide for supporting the pressure of the contacts, a second arm bent from one end of the slide in the opposite direction from the first arm, a bimetallic strip engaging the second arm of the slide to hold the slide against the pressure of the contacts and to release the slide upon excessive current flow and a resetting button at the other end of the slide.

2,418,538
MEASUREMENT OF DISTANCE BY FREQUENCY-MODULATED CARRIER WAVE

Edward W. Yetter, Philadelphia, Pa., assignor to Leeds and Northrup Company, Philadelphia, Pa., a corporation of Pennsylvania

Application June 30, 1944, Serial No. 542,921

1 Claim. (Cl. 177—352)



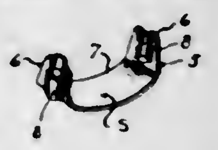
A system for measuring the distance to a reflecting surface comprising means for receiving signal energy reflected from the surface, means including a sharply tuned filter for providing a train of impulses from the received energy and for temporarily continuing to provide such impulses upon disappearance of received signal energy, and means utilizing said impulses to indicate the distance to said reflecting surface and upon disappearance of received signal energy temporarily to continue the preceding indication of distance.

2,418,539
ELECTRIC CABLE STRAP

John M. Anderson, Sawyer, Wis.

Application December 16, 1944, Serial No. 568,413

1 Claim. (Cl. 248—74)



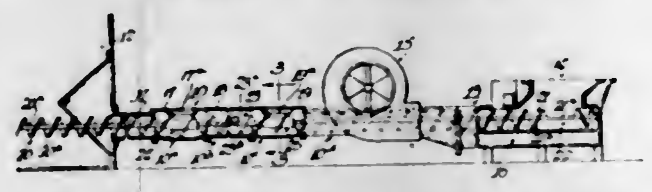
A device for securing electric cables to a wall or other surface comprising a U-shaped support including a body portion and spaced parallel legs, each of said legs being provided with spaced parallel transverse slits, outwardly extending barrels struck out from said legs between the slits, the uppermost slits in said legs being in close proximity to the ends of the body portion, whereby the outer ends of said barrels terminate adjacent to the ends of said body portion, and said legs beyond said barrels having bowed portions extending inwardly of the inner surfaces of the legs constituting substantial continuations of said barrels, said bowed portions being located at the forward end of said legs and defining gripping members for initially engaging the cable when the clip is placed on the cable.

2,418,540
SCREW CONVEYOR CONSTRUCTION

Robert E. Bressler, Oregon, Ill.

Application January 25, 1945, Serial No. 574,519

7 Claims. (Cl. 198—213)



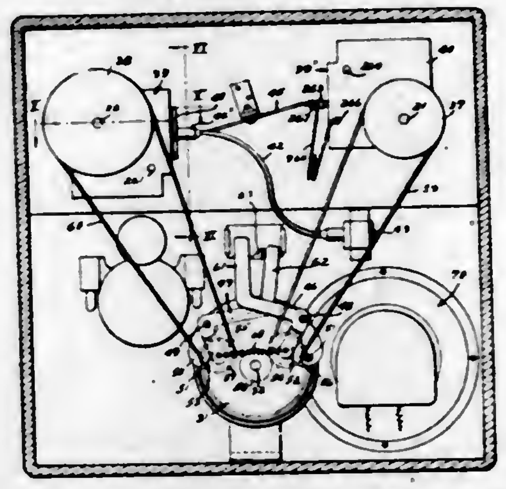
1. A screw conveyor construction embodying therein, longitudinally spaced conveyor sections, an open top trough-like coupling section between and operatively connected at its ends to adjacent ends of said conveyor sections, a shaft with a flight thereon in each conveyor section, each shaft having an end part with opposed flat sides extending into the associated end of the coupling section, a shaft with a flight thereon of such length as to be positioned in said coupling section through the open top thereof, said last named shaft being formed internally at one end with a part providing opposed flat faces for endwise application to the opposed flat sides of the end part of the shaft in one of said conveyor sections and providing a driving connection therewith and said shaft also being formed at the other end with opposed flat faces which open through one side and the extremity of said other end for lateral application to and removal from the opposed flat sides of the end part of the shaft in the other conveyor section and providing a driving connection therewith, and means for closing the open top of the coupling section and including a part that so engages the flight therein as to hold the shaft in said coupling section in operative driving relation with the shafts in the conveyor sections.

2,418,541
REVERSIBLE DRIVE FOR A MAGNETIC RECORDING MEDIUM

Marvin Camras, Chicago, Ill., assignor to Armour Research Foundation, Chicago, Ill., a corporation of Illinois

Application November 22, 1943, Serial No. 511,253

2 Claims. (Cl. 179—100.2)



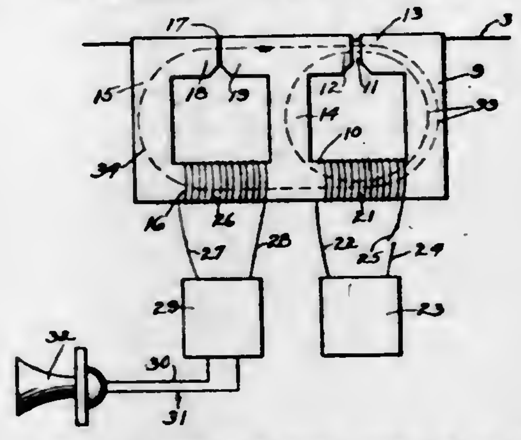
1. In a magnetic recording and reproducing unit, a support including a casing having a panel and a base, a recording and reproducing electromagnetic head mounted on said panel, a long paramagnetic wire or tape, a pair of reels rotatably mounted on said panel for rotation about axes extending substantially perpendicular to said panel and on which the ends of said wire or tape are disposed and around which the bulk of said wire or tape is wound, said head being disposed to have said wire or tape pass therethrough, a motor mounted on said support and having a friction driving drum, a pair of levers rockably mounted in proximity to said motor and each having a friction drum to be driven rotatably mounted thereon, said driven drums being disposed on opposite sides of said driving drum, spring means urging said driven drums into frictional engagement with said driving drum, control means for selectively moving one or the other of said members to move its associated driven drum out of engagement with said driving drum, whereby either of said driven drums may be selectively retained in driving engagement with said driving member, and means coupling said driven drums to said reels respectively for rotatably driving said reels.

2,418,542
MAGNETIZING AND ERASING HEAD ARRANGEMENT FOR MAGNETIC RECORDERS

Marvin Camras, Chicago, Ill., assignor to Armour Research Foundation, Chicago, Ill., a corporation of Illinois

Application January 20, 1944, Serial No. 518,922

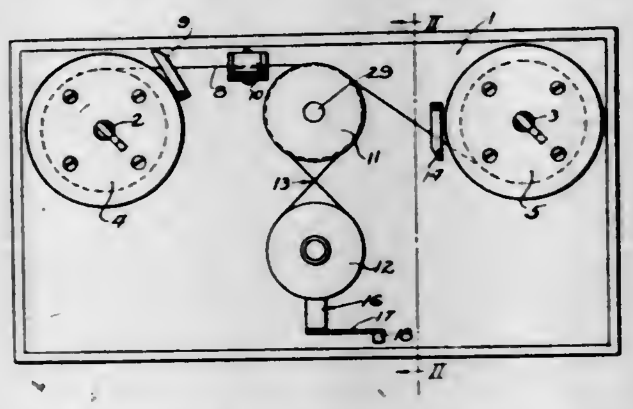
12 Claims. (Cl. 179—100.2)



1. In a magnetic recording device, a recording head to magnetize a recording medium in accord-

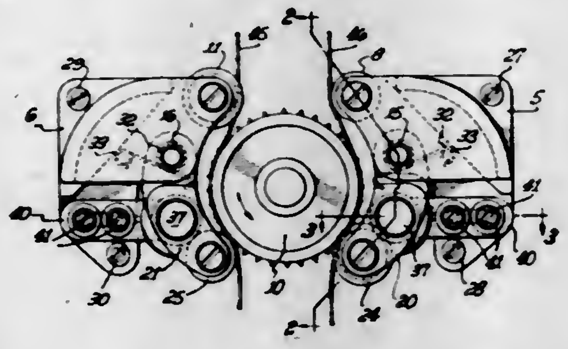
ance with impulses to be recorded, an erasing head on each side of said recording head each capable of demagnetizing the medium, and means to selectively de-energize said erasing heads, an integral magnetizable core serving all three heads.

2,418,543
MAGNETIC RECORDING OR REPRODUCING DEVICE
Marvin Camras, Chicago, Ill., assignor to Armour Research Foundation, Chicago, Ill., a corporation of Illinois
Application March 29, 1944, Serial No. 528,529
6 Claims. (Cl. 179—100.2)



1. In a device of the character described, a pair of spaced spools, a recording medium carried by said spools and windable upon either spool from the other, a rotary drive element intermediate said spools around which said medium is looped, and a recording head in operative association with a portion of said medium around and on said element.

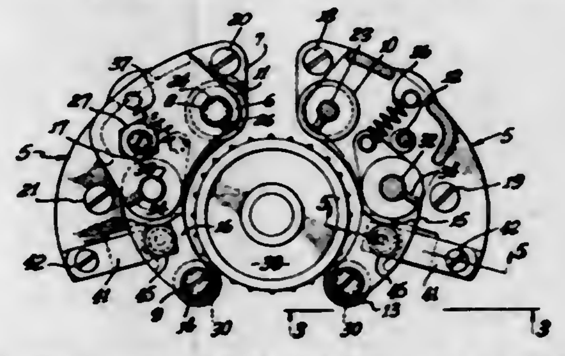
2,418,544
PAD ROLLER ASSEMBLY
Milford Edwin Collins, Los Angeles, Calif., assignor to Radio Corporation of America, a corporation of Delaware
Application May 20, 1944, Serial No. 536,461
7 Claims. (Cl. 271—2.3)



1. A double pad roller assembly for guiding film on and off of a sprocket, comprising a U-shaped frame, a fixed shaft mounted in one corner of said frame, a rotatable roller on said shaft, said roller being spatially disposed with respect to said sprocket, a second shaft mounted near the center of said frame, a curved H-shaped arm having one end thereof pivotally mounted on said second shaft, a roller mounted on the other end of said arm and adapted to be moved toward and away from said sprocket to wrap the film guided to said sprocket around said sprocket, resilient means urging said roller away from said sprocket, and means for positively locking said arm and last-mentioned roller in its operative position adjacent said sprocket and to release said roller for movement away from said sprocket under the action of said resilient means.

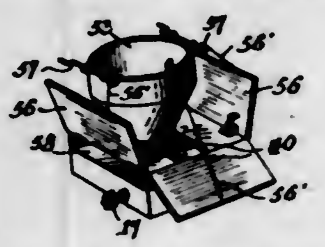
3. A pad roller assembly for guiding film on a sprocket, comprising a U-shaped frame, a shaft mounted between the sides of said frame, an H-shaped arm having one end thereof pivoted on said shaft, a roller mounted on the other end of said arm, a spring urging said arm and roller away from said sprocket, and a pin and stop combination for locking said arm in a predetermined operative position with respect to said sprocket.

2,418,545
PAD ROLLER ASSEMBLY
Arthur G. Zimmerman, Indianapolis, Ind., assignor to Radio Corporation of America, a corporation of Delaware
Application May 26, 1944, Serial No. 537,454
8 Claims. (Cl. 271—2.3)



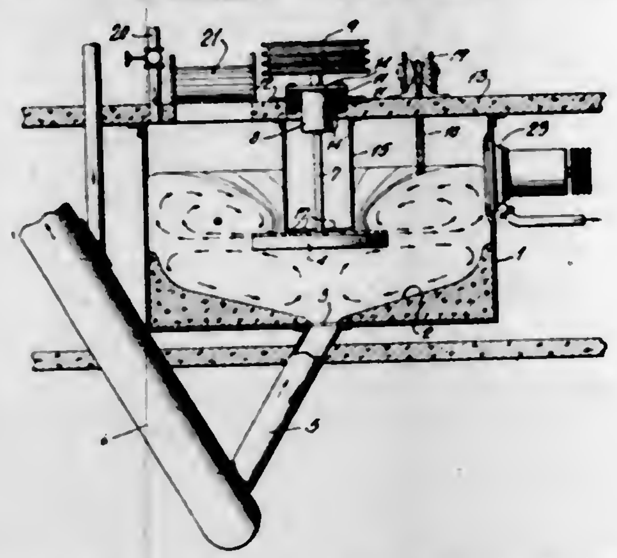
1. A pad roller construction for guiding film on and off of a sprocket, comprising a segmental U-shaped frame, shafts mounted on said frame, a roller on one of said shafts, an adjustable arm pivoted on another of said shafts, a shaft mounted on one end of said arm, a roller mounted on said last-mentioned shaft, resilient means attached to the other end of said arm to urge said other end of said arm away from said sprocket and said last mentioned roller on said first mentioned end of said arm toward said sprocket, a cam abutting said end of said arm being urged away from said sprocket for adjusting said arm to position said roller thereon with respect to said sprocket, and means for holding said arm to position said roller away from said sprocket.

2,418,546
SPREADING MACHINE
Rodolphe Comtois, Saint Hyacinthe, Quebec, Canada
Application March 16, 1943, Serial No. 479,346
In Canada March 16, 1942
1 Claim. (Cl. 275—8)



A spreader of the character described comprising a wheeled vehicle having a frame, said frame having two spaced horizontal plates, throwing means disposed between said plates, a funnel on the upper plate, said upper plate having an opening connecting said funnel to said throwing means, boards hinged to the lateral and rear edges of said plates and coextensive with said edges, cranks mounted on said funnel adjacent to the boards hinged to said lateral edges, and cables extending from the last named boards and adapted to be wound respectively on said cranks.

2,418,547
METHOD AND APPARATUS FOR DEFIBERING PAPER STOCK
Edwin Cowles, Cayuga, N. Y., assignor to The Cowles Company, Princeton, N. J., a corporation of New Jersey
Application March 17, 1943, Serial No. 479,450
8 Claims. (Cl. 92—26)



1. In an apparatus for defibering paper stock, in combination, a tank, an impeller mounted for rotation in said tank, said impeller comprising a disk having a multiplicity of vanes thereon adapted to discharge stock outwardly therefrom, said impeller being carried on a shaft suspended from above and rotating in a plane spaced from the bottom of the tank, the bottom surface of the impeller also being adapted to discharge stock outwardly therefrom, said tank having a discharge opening below said impeller but within the contour thereof, and said tank having a sloping bottom converging toward said opening, said impeller being spaced above said sloping bottom at a distance such that the stock discharged from the bottom of the impeller impinges against the side of the tank above said sloping bottom and returns along said sloping bottom thereby assisting heavy trash toward said discharge opening.

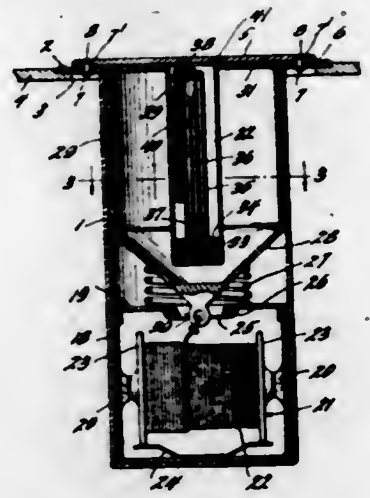
2,418,548
4-AMINO-5-ARYLPYRIMIDINE
William Harris Davies and Alan Woodworth Johnson, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application September 21, 1944, Serial No. 555,198. In Great Britain October 27, 1943
9 Claims. (Cl. 260—251)

4. Process for the preparation of 4-amino-5-phenylpyrimidine which comprises heating alpha-iminomethylbenzyl cyanide with formamide and recovering said 4-amino-5-phenylpyrimidine.

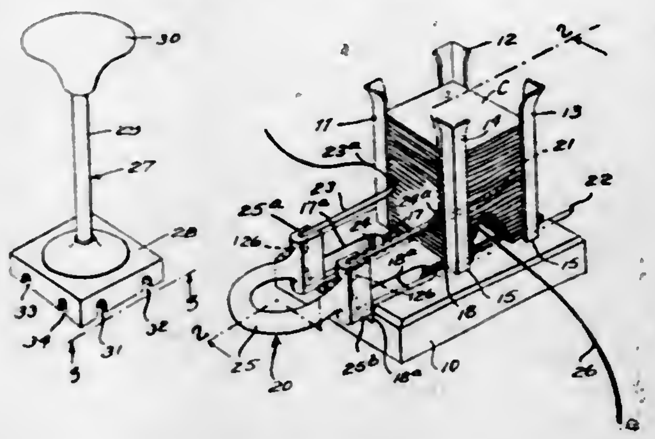
9. A 4-amino-5-arylpyrimidine wherein the amino is a primary amino, the aryl is selected from the group consisting of phenyl, alkylphenyl, halogenophenyl, hydroxyphenyl, alkoxyphenyl, and nitrophenyl and the amino and aryl are the only substituents, other than hydrogen, on the pyrimidine ring.

2,418,549
CRASH MARKER
John De Rugeris, Atlantic City, N. J., assignor of one-half to Jack Budnick, Pleasantville, N. J.
Application May 13, 1946, Serial No. 669,349
3 Claims. (Cl. 9—9)

1. In a crash marker, a container, a cover, means soluble in water for normally sealing the cover to said container, a float in said container, a cable connected to said float, spring means normally held under compression bearing against said float, said float provided with a central hollow chamber, a spring in said chamber, telescopic rods in said chamber and bearing against said spring, a further spring in one of said telescopic rods, a foldable flagstaff secured to one of said telescopic rods, said telescopic rods and flagstaff normally housed in a collapsed position in the chamber in said float, whereby when the said cover is liberated by being submerged, the float will be forced from said housing, and the telescopic rods and flagstaff will be forced from said chamber and assume an extended position.

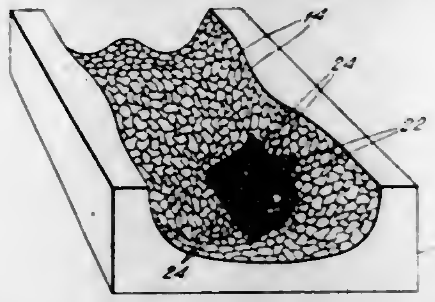


2,418,550
METHOD AND APPARATUS FOR STACKING AND TYING MEDICAL COMPRESSES OR THE LIKE
Robert S. Edwards, New Canaan, Conn., assignor to Edwards and Company, Inc., a corporation of New York
Application August 24, 1943, Serial No. 499,777
20 Claims. (Cl. 100—31)



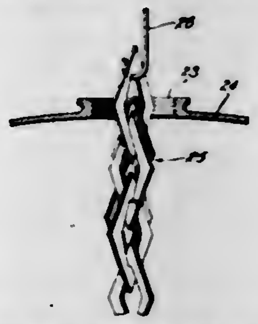
1. In apparatus of the character described, in combination, a base having a plurality of spaced grooves and having upstanding therefrom vertical guiding means for guiding and aligning the edges of superimposed stacked sheet material which as a stack is compressible, said grooves extending through that portion of said base upon which the stack rests so as to underlie the latter, a platen element receivable in said guiding means for compressing the stack therein, said platen having in its underface a plurality of grooves, and a device having upper and lower spaced elements enterable, respectively, in the grooves of said platen and the grooves of said base upon compression of the stack by said platen, to hold the compressed stack against expansion.

2,418,551
HOLLOW ARTICLE AND METHOD OF MAKING THE SAME
Lillian L. Greneker, New York, N. Y.
Application May 19, 1945, Serial No. 594,773
5 Claims. (Cl. 154—118)



1. A hollow article the shell of which comprises on its outside pieces of paper arranged in overlapping relation and pasted to one another, on its inside sandwiches of plaster enclosed between pieces of sheet material which sandwiches are in overlapping relation to one another, and plaster bonding the sandwiches together and to said paper.

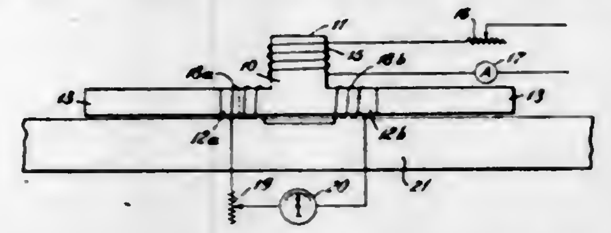
2,418,552
SCOURING CHAIN
Walter Hasendahl, Los Angeles, Calif.
Application November 5, 1940, Serial No. 364,427
13 Claims. (Cl. 15—104)



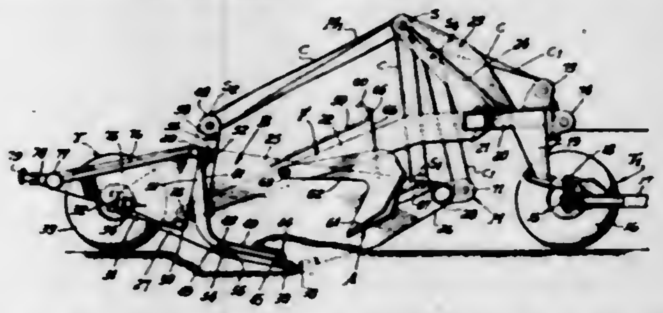
1. A scouring and cleaning device comprising a plurality of similar drum scouring elements linked together in seriatim and forming a chain, each of said elements comprising a flat strip of sheet metal punching of uniform thickness having substantially congruent, parallel flat top and bottom faces separated by the sheet metal thickness and having contours providing a plurality of scraping edges and a plurality of cutting points within the area defined by the top and bottom faces of said strip, each of said elements having an aperture in which the preceding and following ones of said elements are linked and may be moved into juxtaposition, whereby a double length of said chain may be formed by suspending an intermediate one of said elements, said double length of said chain having as its width, a dimension substantially the same as the width of a single chain, to facilitate insertion and removal of a double length chain through a bung hole only slightly larger in size than the width of a single length of said chain.

2,418,553
FLUX MEASURING SYSTEM
Emmett M. Irwin, San Marino, Calif.
Application August 3, 1943, Serial No. 497,183
3 Claims. (Cl. 177—380)

1. In a device for detecting magnetic fields, the combination of a core having a pair of similar extensions from opposite sides at one end forming a cross-bar providing a path for flux induced by an external field, a primary winding on the core, means for supplying alternating current to the primary winding to induce alternating flux in the core, such flux flowing in opposite directions through the extensions and being insufficient when added to the externally induced flux to saturate the path, secondary windings mounted on the extensions to be affected by the algebraic sums of the externally induced and alternating flux in the respective extensions, a pick-up arm mounted on each extension and projecting outwardly from the free end of its extension in alignment therewith, said arm being formed of a single thickness of thin sheet metal of high permeability, and means connecting the secondary windings in opposition, whereby the voltage across the remote terminals of the secondary windings is the unbalanced voltage only.

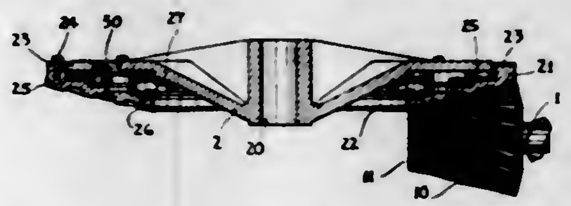


2,418,554
CARRYING SCRAPER
Harald D. Kadz, Glendale, Calif., assignor to Kay-Brunner Steel Products, Inc., a corporation of Delaware
Application February 14, 1944, Serial No. 522,235
4 Claims. (Cl. 37—126)



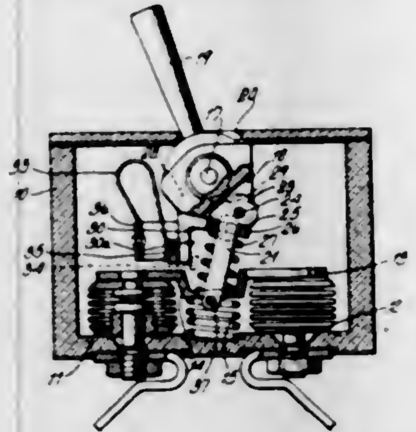
1. A carrying scraper, comprising: a bowl having a bottom hinged between the bowl sides to swing forwardly and upwardly in the bowl, and a back hinged to said bottom to swing forwardly in the bowl; means for pulling said back forwardly; members coacting with said means for lifting said back as it is moved forwardly to in turn swing said bottom upwardly and forwardly; and elements associated with said members for limiting forward and upward movements of said back and against which said back may strike to jar earth loose from the latter and the bottom.

2,418,555
MULTIPLEX BEVEL GEARING
Kurt F. J. Kirsten, Seattle, Wash.
Application April 7, 1945, Serial No. 587,093
13 Claims. (Cl. 74—410)



1. Multiplex bevel gearing comprising two members rotative about axes disposed angularly relative to each other, a plurality of bevel gears carried by each of said rotative members, said bevel gears carried by one of said rotative members meshing respectively with the bevel gears carried by the other of said rotative members, and self-shiftable, nonresilient means interposed between one of said rotative members and at least one of said bevel gears carried thereby, operable to enable shifting of such bevel gear relative to its rotative member to effect driving contact of such shiftable gear with its cooperating gear at the same time that other cooperating bevel gears carried by said two rotative members, respectively, are in driving contact, and said means further being operable to transmit between such shiftable gear and its rotative member force corresponding to the load on such adjustable gear produced by a unit pressure on the teeth thereof substantially equal to the average unit pressure on the teeth of all said gears.

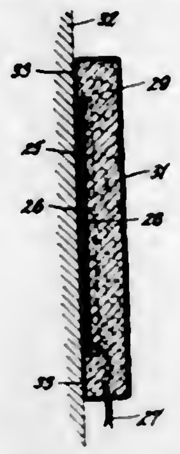
2,418,556
SWITCH
Edward G. Miller and Ralph E. Engberg, New York, N. Y., assignors, by mesne assignments, to Allied Control Company, Inc., New York, N. Y., a corporation of New York
Application August 22, 1944, Serial No. 550,502
2 Claims. (Cl. 200—78)



1. In a switch, a contact operator supported for rectilinear movement between two positions, resilient means biasing said contact operator toward one of said positions, an oscillatable member, a rod pivoted at one end to said member and having sliding engagement with said operator, said rod being caused to move bodily relative to said contact operator upon operation of said oscillatable member, a latch pivotally supported coaxial with said oscillatable member and having two intersecting straight surfaces, a stop to limit rotation of said latch in one direction, resilient means biasing said latch toward said stop, a sleeve slidable on said rod, an extension from said sleeve engageable with said surfaces and movable from engagement with one surface to engagement with the other surface upon operation of said oscillatable member, an abutment on said rod, and resilient means interposed between said sleeve and said contact operator biasing the former toward said abutment.

2,418,557
ELECTRICAL CONTACT HEATER
Alfred A. Reiser, Buffalo, N. Y., assignor, by mesne assignments, to Titan Manufacturing Co., Inc., Buffalo, N. Y., a corporation of New York
Application October 27, 1943, Serial No. 507,797
3 Claims. (Cl. 219—19)

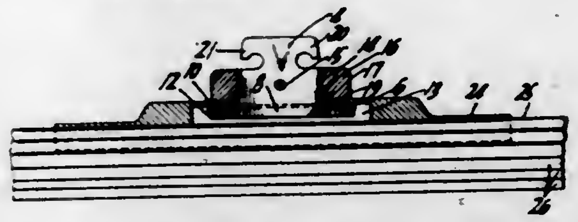
1. An electrical contact heater, comprising a cup-shaped heat conductive member having a face adapted to contact a face of the part to be heated and having its rim projecting in the opposite direction from the margin thereof, an electrical resistance heating element arranged in said cup-shaped member and along the opposite face thereof from that engaging the part to be heated, a pad of compressible material arranged in said cup-shaped member and projecting outwardly therefrom a substantial distance perpendicularly to said faces and also projecting generally parallel with said faces beyond said rim of said cup-shaped member, means for exerting pressure against the outwardly projecting part of said pad to hold said cup-shaped member embedded in said pad and the first face thereof in uniform yielding contact with the said face of the part to be heated, and a coating of a hardening plastic material applied over the exterior of said pad to form a case for the contact heater.



2,418,558
SIMULATED GLACÉ FRUIT AND PROCESS OF MAKING SAME
William Schloessinger and Alexander M. Zenzes, New York, N. Y.
No Drawing. Application February 25, 1944, Serial No. 523,910
4 Claims. (Cl. 99—134)

1. A candied fruit composition having less than 20% moisture, comprising sugar beet root substance and fruit substance combined so as to form a homogenous liquid phase containing the sucrose from the beet components and the invert sugars from the fruit components in such relative proportions as to prevent crystallization of the sucrose.

2,418,559
WINDSHIELD CLEANER
Anthony C. Scinta, Buffalo, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application June 19, 1943, Serial No. 491,483
14 Claims. (Cl. 15—250)

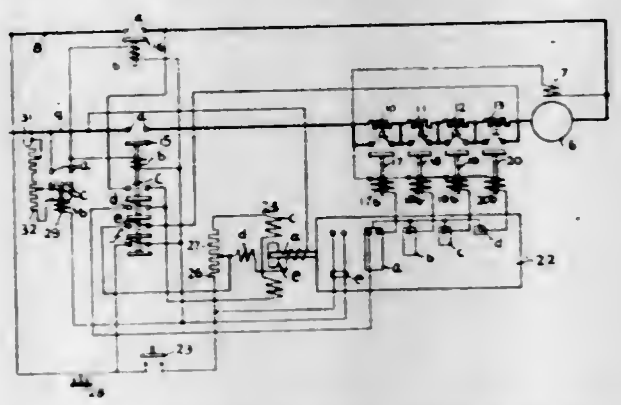


14. In a windshield cleaner, a wiper having a relatively fixed bearing on its back; a bearing part superimposed directly upon the wiper bearing and supporting the wiper for lateral rocking on the under surface of said bearing part, and wiper normalizing means resiliently acting to hold the wiper bearing in full engagement with the under surface of the bearing part, said normalizing means comprising a shank fixed to said bearing part and projecting from said under surface and through an opening in the wiper bearing into a

chamber formed in the wiper, and a spring in the chamber placing the shank under tension to so hold the wiper bearing in such full engagement with the under surface of the bearing part, said shank being housed and concealed within said bearing part and wiper.

2,418,560
MOTOR CONTROL SYSTEM

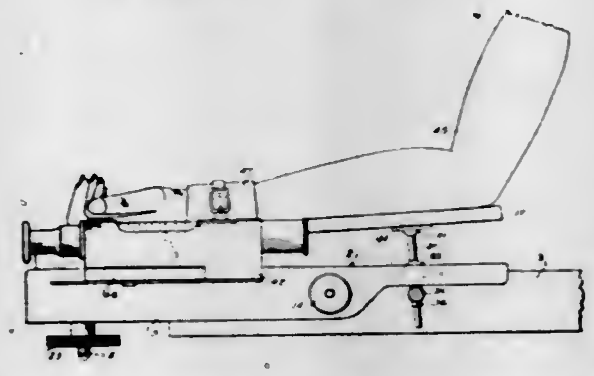
Daniel J. Sikorra, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application March 16, 1944, Serial No. 526,753
8 Claims. (Cl. 172—288)



1. A motor control system comprising an electric motor having a winding, resistor means serially connected with said winding, switch means for controlling said resistor means, and a rotary relay for controlling said switch means comprising a field winding connected in parallel with said motor winding, another field winding angularly displaced with respect to the first said field winding and connected in parallel with said resistor means, and a polar magnetic element rotatably disposed in the resultant magnetic field of said field windings, whereby said element is rendered operable by the joint action of said field windings into different stable positions in response to the flow of currents of intensities in different ratios through said field windings.

2,418,561
ARM REST

Lester B. Stallcup, Phoenix, Ariz.
Application April 1, 1946, Serial No. 658,659
3 Claims. (Cl. 128—133)



1. An adjustable arm rest for operating chairs comprising, in combination, a base having a hollow under side adapted to conform to the contour of an operating chair arm, a screw clamp operative on said chair arm to secure said base thereon, an arm board attached to said base near the forward end by a semi-ball and socket joint, a screw and nut operative in said joint adapted to secure said ball and socket joint by frictional engagement of its contacting surfaces, a vertical support on the rear of said arm board including a rod mounted by a ball joint on the rear of said arm board slidably mounted in a ball joint on the rear of said base and means for engaging said rod in said slidable mount.

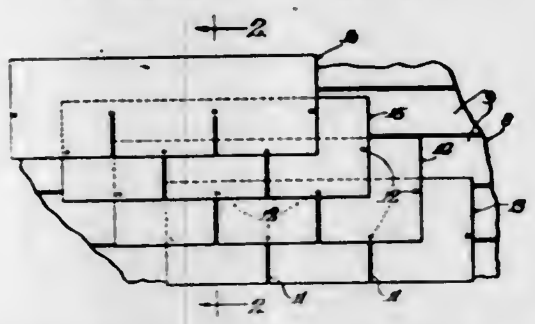
2,418,562
PRODUCTION OF NITRILES FROM PROPYLENE AND AMMONIA

John W. Teter, Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
Application May 22, 1942, Serial No. 444,094
7 Claims. (Cl. 260—464)

1. In the production of nitriles, the improvement which comprises reacting propylene with ammonia in the presence of a catalyst of the class consisting of cobalt and nickel at a temperature within the range from about 650 to about 800° F. and a pressure within the range from about 1000 to about 3000 pounds per square inch.

2,418,563
SHINGLE CONSTRUCTION

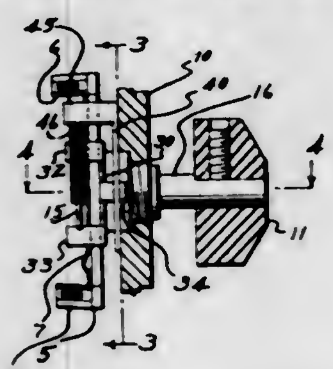
Charles M. Vibert, Oak Park, Ill.
Application September 29, 1945, Serial No. 619,297
8 Claims. (Cl. 108—9)



1. A shingled roof construction comprising sheathing boards extending horizontally of the roof, and overlapping horizontal rows of shingles laid on said sheathing boards, said horizontal rows being adhesively secured together in pairs, and each pair being nailed to the sheathing on a horizontal line located above the next lower row of shingles and under the next upper row, whereby each row of shingles is secured to the sheathing by only one row of nailing.

2,418,564
SWITCH

Frank C. Wallace, North Hollywood, Calif.
Application September 5, 1944, Serial No. 552,719
3 Claims. (Cl. 200—6)



1. In a switch having a body carrying a stationary contact element, a rotatable shaft carrying a movable contact element and a shaft-actuating arm presenting a spring mount, a plate carried by the body, said plate being mounted for separation from the body and having an angular portion presenting a lug and a compression spring having one of its ends fitting over said lug and its other end engaging said spring mount whereby to yieldably oppose movement of the arm towards said spring-anchoring member.

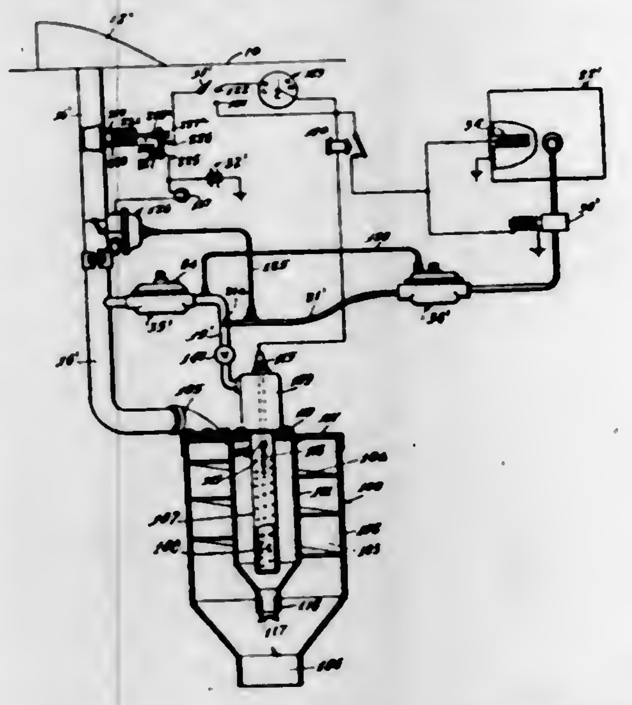
2,418,565
SHEAVE-CABLE CONNECTION

Stanley A. Wohler, Lansdale, Pa., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application September 17, 1943, Serial No. 502,809
4 Claims. (Cl. 24—135)

2. A cable clamp comprising in combination, a clamp backing member having a bolt hole and an adjacent finger hole therein, a clamping member secured to said backing member and adapted to press upon the cable, and means to secure the clamping member to the backing member, said clamping member having a center hole, a bent flat ended stop at one end, and a bent tapered finger stop at the other end entering the hole therefor in the backing member, the finger hole having a predetermined relative size relationship such that the finger sides stop against the hole sides.

2,418,566
FUEL-AIR MIXTURE CONTROL FOR AIRCRAFT HEATERS

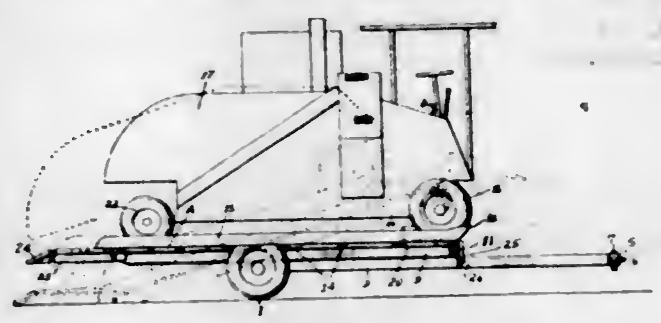
Albert A. Arnhym, Point Loma, Calif., assignor, by mesne assignments, to Solar Aircraft Company, San Diego, Calif., a corporation of California
Application May 11, 1942, Serial No. 442,442
2 Claims. (Cl. 158—28)



1. A combustion heater for aircraft comprising: means forming a combustion chamber having a discharge opening, means for delivering atmospheric air at a first variable positive gauge pressure, a pressure reducing valve for supplying air from said first means to said combustion chamber at an approximately constant, positive gauge pressure that is below said first pressure, means for delivering fluid fuel to said combustion chamber, and means directly responsive to the pressure of the air supplied to said combustion chamber for supplying fluid fuel to said fuel-delivery means at a pressure fixed relative to the pressure of the air supplied by said pressure reducing valve.

2,418,567
TRAILER FOR SELF-PROPELLED COMBINES

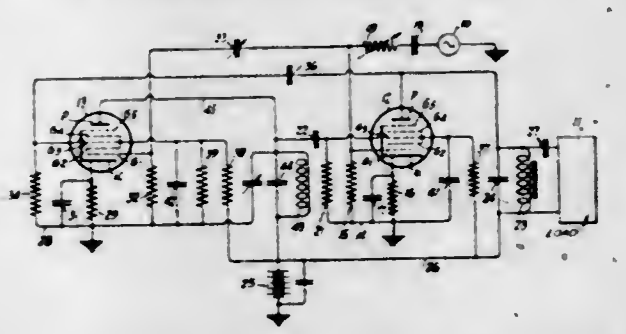
William S. Ausherman, Wichita, Kans.
Application February 9, 1946, Serial No. 646,673
3 Claims. (Cl. 214—85)



1. In a trailer for self-propelled combines comprising an axle, a pair of dual wheels journalled on each end of the axle, a platform comprised of a pair of longitudinal I-beams, said I-beams being adjacent the innerside of their respective pair of dual wheels, a bearing rockably mounted on the axle to carry each I-beam intermediate the ends of the I-beams, channel bars transversely crossing and secured to the I-beams in spaced relation longitudinally of the I-beams to carry a pair of semi-circular tracks adjacent their oppositely disposed ends and being secured thereto, said tracks being vertically aligned with the outer sides of said dual wheels, a tongue having one end secured to the axle and means to pivotedly secure the other end to a hitch of a truck, a pair of vertically positioned bars carried by one end of the platform to straddle the tongue, bolts to secure said bars to the tongue to avoid rocking movement of the platform, and an approach rockably secured to the other end of the platform in such a way as to maintain an alignment therewith and adapted to rock upward from the aligned position.

2,418,568
FREQUENCY DIVIDER

L. Brunton Bauer, Palo Alto, Calif., assignor to Hewlett-Packard Company, Palo Alto, Calif., a copartnership consisting of William R. Hewlett and David Packard
Application April 11, 1944, Serial No. 530,503
4 Claims. (Cl. 250—36)



1. In electrical apparatus for producing a desired fixed frequency, a pair of electronic devices, the first arranged to operate as a modulator with substantial amplification gain, and the second arranged to operate as a frequency multiplier, means for supplying current of fixed frequency f

to the modulator, means for supplying current of the frequency

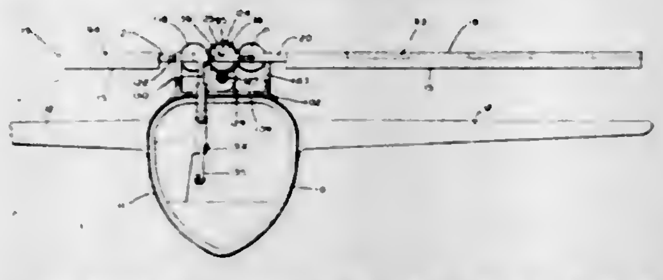
$$\frac{(n \pm 1)f}{n}$$

from the frequency multiplier to the modulator, means for supplying current of the frequency

$$\frac{f}{n}$$

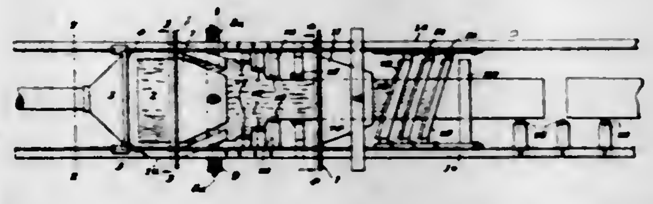
from the modulator to the frequency multiplier and also to an output load, and means for supplying current at the frequency f to the frequency multiplier.

2,418,569
BEATING WING AIRCRAFT
August Baumann, Brooklyn, N. Y.
Application October 13, 1943, Serial No. 506,022
7 Claims. (Cl. 244—22)



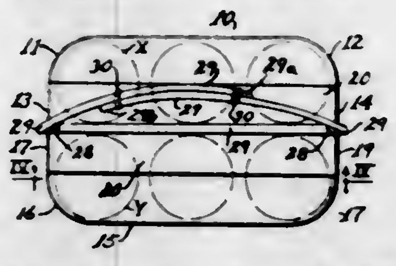
1. An aircraft comprising: a first driving wing which is reciprocatable having an active phase and an inactive phase; a second driving wing which is reciprocatable having an active phase and an inactive phase; said first and second wings in their active phase being wider than in their active phase; said wings being correlated so that only one of said wings is in the active phase at any point in time; said wings being located next to each other on centers which are separated from each other a distance less than the width of a wing in the active phase thereof, whereby the wings may pass each other without engaging, and whereby the area occupied by the wing in active phase is greater than one-half the total area which may be occupied by both wings, producing greater lift for a given area of total wing occupation.

2,418,570
RAILROAD TIE FORMING MACHINE
Nicholas Bernard, Crowley, La.; by decree of distribution, assignor of one-half to Frances Morgan Bernard and one-half to Anna Bernard Ducharme
Application July 9, 1943, Serial No. 494,061
5 Claims. (Cl. 144—159)



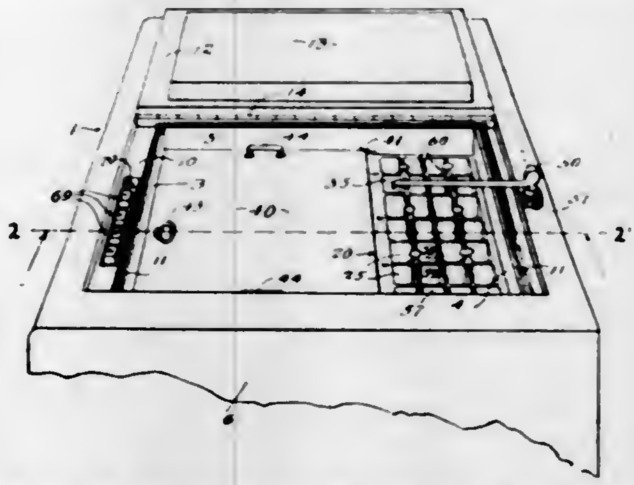
1. A railroad tie forming machine, including a relatively long material receiving frame forming structure, means for moving the material through the structure, two sets of knives, each set cooperating with one of two opposite surfaces of the material, the knives of each set operating successively in inwardly offset planes, the innermost knife of each set finishing one surface of the tie, means for guiding the material during the knife operation, spring pressed guides cooperating with all sides of the material in advance of the knives, and additional spring guides cooperating with the material in the rear of said knives, the additional spring guides cooperating only with those surfaces of the material not acted on by the knives.

2,418,571
BOTTLE HOLDER AND CARRIER
Marvin W. Bowersox, Wichita, Kans.
Application August 28, 1944, Serial No. 551,525
1 Claim. (Cl. 224—48)



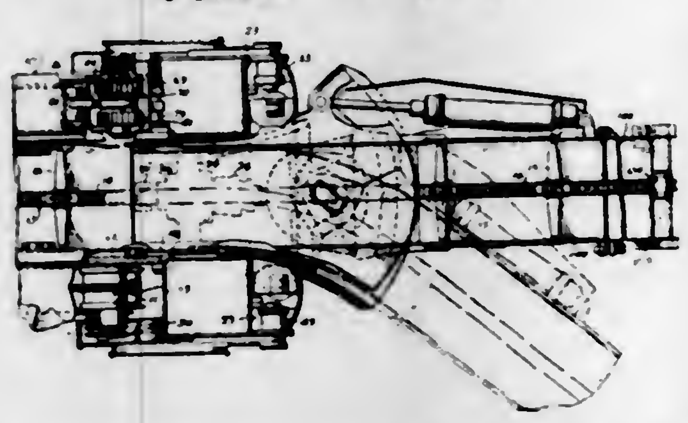
In a bottle holder of the kind described; said bottle holder comprising a pair of U-shaped pieces set with the ends of the legs of the U engaging each other to form a rectangular shaped side and end closure for receiving bottles, a third U-shaped element, said third U-shaped element being positioned at ninety degrees to the first said U-shaped elements, the legs of the third said U-shaped element overlapping the joint between the legs of the first said U-shaped elements and being rigidly attached to the legs of the first said U-shaped elements, a combination handle and bottle separator element, said handle and bottle separator element being a flexible piece of material, said flexible piece of material being passed through the upper edge of the end walls at the center thereof, and the ends of the flexible element being lapped past each other and rigidly attached to the adjacent portion of the flexible element to form a double portion for a hand hold of the handle, the central portion of the flexible element being spaced above the bottom and below the top edge of the holder to act as a separator for bottles positioned in the holder.

2,418,572
ICE CUBE DISPENSING REFRIGERATOR
James E. Brennan, Lakewood, Ohio
Application September 17, 1943, Serial No. 502,787
9 Claims. (Cl. 62—89)



7. In a mechanical refrigerator, an open top cabinet enclosing a cold compartment, an ice block forming receptacle permanently incorporated in the cabinet adjacent one side and near the top of said compartment, ice block extractors having parts depending into the receptacle adjacent the walls thereof, electrical heating means in the walls of said receptacle, a circuit for supplying electric current to said heating means, a switch included in the circuit and located adjacent a side of the compartment remote from said receptacle, and a door for closing the open top of the cabinet.

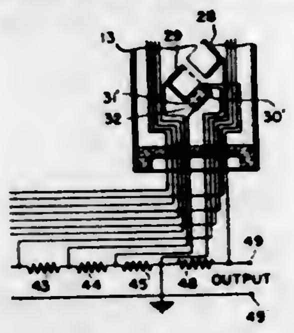
2,418,573
MATERIAL GATHERING AND LOADING MACHINE
Frank Cartlidge, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Original application August 2, 1943, Serial No. 497,004. Divided and this application February 23, 1945, Serial No. 579,396
6 Claims. (Cl. 198—8)



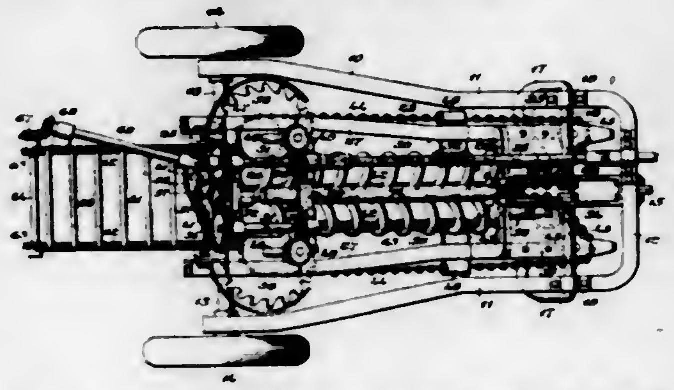
1. In a low type loading machine, a main frame, a pair of laterally spaced continuous tread devices for supporting and propelling said main frame along the ground, an inclined elevating conveyer extending from the ground in advance of said main frame, gathering devices projecting forwardly from opposite sides of the forward end of said conveyer, for picking up material from the ground and discharging it onto said conveyer, and means for independently driving said conveyer, gathering devices and continuous tread devices including two motors disposed on opposite sides of the machine, rearwardly of said continuous tread devices and having transversely disposed armature shafts, selective drive connections from the outer ends of said armature shafts to said continuous tread devices, drive gearing connecting the inner ends of said armature shafts together, to connect said motors to operate as a unit, a shaft extending longitudinally of said main frame, a drive connection to said longitudinal shaft from said drive gearing connecting said armature shafts together, and drive connections from said longitudinal shaft to said conveyer and said gathering devices, for driving said conveyer and said gathering devices from said motors independently of said continuous tread devices including another longitudinal shaft spaced adjacent the forward end of said main frame and at a lower level than said first mentioned longitudinal shaft, and coupling means connecting said shafts together.

2,418,574
ELECTRON MULTIPLIER
Madison Cawein, Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation, a corporation of Delaware
Application December 20, 1943, Serial No. 515,004
1 Claim. (Cl. 315—12)

In a multistage electron multiplier, a plurality of secondary electron emissive electrodes, a collector electrode disposed intermediate of the last two of said secondary emissive electrodes, means including an impedance device coupled to said collector for impressing upon said collector electrode a positive potential with respect to said last two secondary emissive electrodes, a screen grid electrode disposed intermediate of said collector electrode and the last of said secondary emissive electrodes, and means including a source of direct current energy coupled to said screen grid electrode for impressing upon said screen grid electrode a fixed positive potential with respect to said last two secondary emissive electrodes.



2,418,575
BEET HARVESTER
Christian Christiansen, St. Cloud, Minn.
Application July 6, 1944, Serial No. 543,687
17 Claims. (Cl. 55—108)

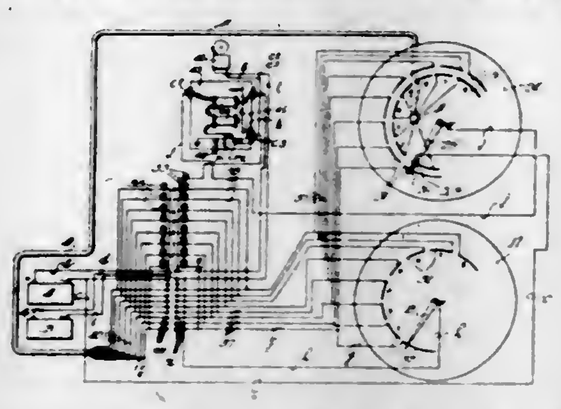


1. In a root harvesting machine of the type comprising a pair of upwardly and rearwardly inclined rotatable screw members disposed in side to side relationship to grip the root tops therebetween and to elevate the tops with the roots attached thereto, knife means mounted in the path of the beets while they are elevated by said screws for cutting the roots from the tops, and a bar disposed in the crotch between the screw members at the tops thereof to fold the root tops downwardly against and to maintain them engaged with the tops of said screw members to enhance the grip of the latter upon the tops.

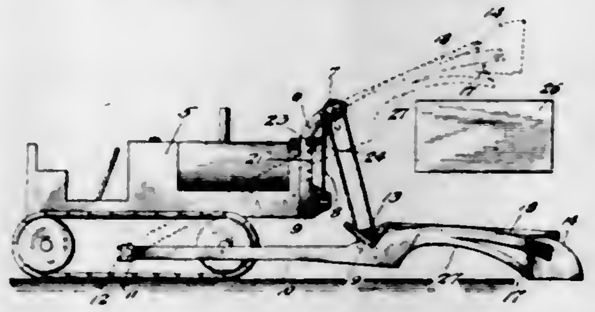
2,418,576
SIGNAL SYSTEM FOR CRANES
Harold L. Conrad, Oklahoma City, Okla., assignor by decree of distribution of one-half to Myrtle L. Conrad and one-half to Harold E. Conrad
Application June 24, 1944, Serial No. 541,930
3 Claims. (Cl. 177—311)

1. A signal system for boom equipped hoisting apparatus, including a signal panel carrying parallel columns of lamps, two sets of arcuately arranged and relatively spaced contacts, each set having a pointer movable thereover, one of said sets of contacts being indicative of various angular positions of the boom of said hoisting apparatus and whose pointer is gravity controlled, the other of said sets of contacts being indicative of the weight of a load hoisted by said boom, means connecting the contacts of one set to corresponding contacts of the companion set, means connecting the contacts of said angle indicating

set of contacts to one of said columns of lamps, means connecting said weight indicating contacts to the companion column of lamps, a current supply circuit, an audible signal circuit and means rendered operative through the connecting means upon contact of corresponding contacts of said sets by their respective pointers to close said audible circuit.

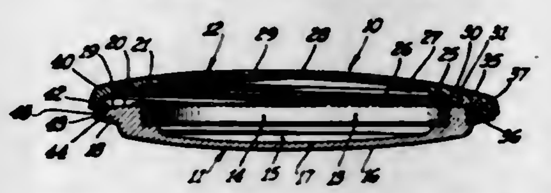


2,418,577
TRACTOR MOUNTED SHOVEL LOADER ATTACHMENT
Lauren J. Costelloe, Forest Grove, Oreg.
Application July 19, 1945, Serial No. 606,012
1 Claim. (Cl. 214—140)



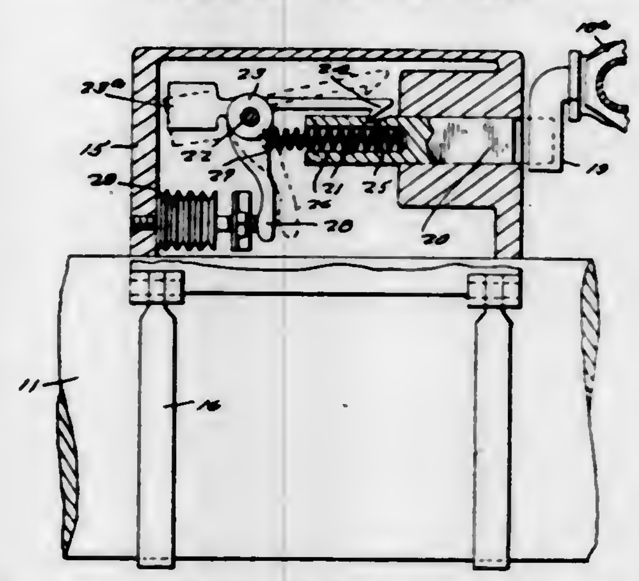
A loading attachment for tractors comprising a pair of arms pivoted at one end to the tractor and projecting forwardly therefrom, a scoop pivoted between the front ends of the arms, means carried by the tractor for raising the arms, a bell crank lever pivoted to the arms, a link connecting one end of the lever to an upper portion of the scoop, said scoop having open front and rear ends, a plate carried transversely of the arms behind the scoop to close the rear end thereof, and a stop carried by the tractor in the path of raising movement of the other end of said lever to actuate the lever in a manner to swing the front end of the scoop upwardly away from said plate to discharge the contents of the scoop from the rear end thereof.

2,418,578
CLASP FOR PLASTIC CASES
Walton B. Crane, West Los Angeles, Calif., assignor to Allied Plastics Company, Los Angeles, Calif., a copartnership composed of Dwight C. Hirsh and Harry G. Long
Application January 29, 1944, Serial No. 520,213
2 Claims. (Cl. 220—60)



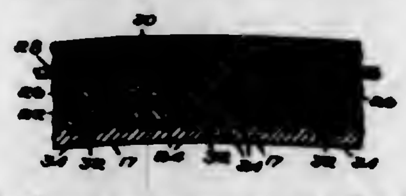
1. A compact comprising a concaved base and a concaved lid hinged thereto adapted to meet in a closing plane to define a compartment, said lid embodying a slightly bendable resilient wall, mutually abutting seating surfaces on said base and lid surrounding said compartment, a peripheral flange on said base projecting outwardly beyond the periphery of said lid, a clasp arm with a hooked end portion projecting from the periphery of said lid oppositely from the hinge, a notch in said flange adapted to receive the hooked portion of said clasp arm, a locking seat at the bottom of said notch over which said hooked portion of said clasp arm is engageable when said lid is moved to closed position, and a surface on said base flange immediately inwardly of said seat in said notch and facing toward said clasp arm, said clasp arm being so disposed that its hooked end normally slightly overlaps said last mentioned surface, but is adapted to clear said surface and engage said locking seat when said bendable resilient wall of said lid and its clasp arm are deflected inwardly.

2,418,579
AXLE ATTACHMENT FOR DETECTING HOT BOXES
Henry W. Cranwell, Seymour, Conn.
Application June 27, 1944, Serial No. 542,361
4 Claims. (Cl. 246—169)



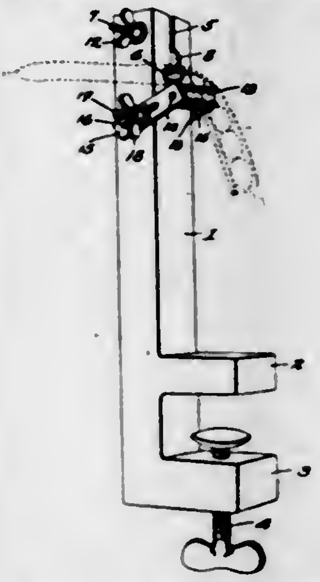
1. A safety device for vehicles having an axle, bearings journalling said axle and a brake control mechanism operatively associated with said axle; comprising, a housing detachably secured to said axle for rotation therewith, a lever actuator for said brake system disposed adjacent the plane of rotation of said housing and mounted upon the chassis of a vehicle, an operator for said lever carried by said housing, and means responsive to overheating of said bearing for moving said operator into operative relation to said lever for actuating said brake mechanism.

2,418,580
METHOD OF CONSTRUCTING TILE LINED TANKS
John M. Crom, Washington, D. C.
Application October 20, 1942, Serial No. 462,697
2 Claims. (Cl. 25—154)



1. A method of constructing a liquid-resisting tile lined tank, which consists in erecting a tank-like form having outwardly facing tile-receiving and supporting surfaces, mounting an annular layer of liquid-resisting tiles thereon in edge to edge relation wherein their combined inner faces provide the inner face of the tank wall, the tiles of said layer being spaced apart to provide a gap between horizontally adjacent tiles, projecting a layer of cementitious composition over and onto the combined outer faces of the tiles to a depth sealing the outer portions of the spaces between the tiles and providing a unitary wall extending about and in bonding engagement with the tiles, the gaps between the spaced tiles permitting free shrinkage of the wall, removing the form, packing the gaps between the tiles at and outwardly of their inner faces with liquid-resisting cement, and placing and holding the tiles tight and leakproof along the joints at said gaps by placing the tank under compression by the application of steel reinforcement circumferentially and under tension about the outer face of said wall.

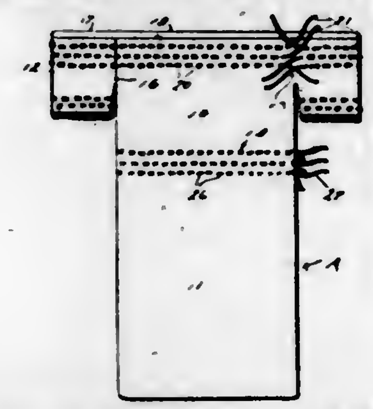
2,418,581
BEAN AND PEA POD SPLITTER
George D. Evernden, Dallas, Tex.
Application October 10, 1945, Serial No. 621,453
1 Claim. (Cl. 130—30)



A device of the class described, comprising a post having a central feed opening extending transversely therethrough, said post having a longitudinal slot therein above and opening at its lower end into the feed opening, a pair of parallel plates slidably and adjustably mounted on opposite sides of the post in a plane parallel to the axis of the feed opening, a roller outside of the post and journaled between the plates and extending transversely of the feed opening adjacent the lower edge of the same, a splitting blade having a cutting edge mounted in the slot of the post, and means for holding the blade in adjusted positions in the slot with its cutting edge extending into the upper portion of the feed opening at a point opposed to said roller, said blade operating to split an article as it passes from the feed opening and engages the roller.

2,418,582
GARMENT
Tedi Stumpf, Los Angeles, Calif., now by judicial change of name Tedi Barri Craig, assignor of one-half to James C. Stumpf, now by judicial change of name James Craig, Los Angeles, Calif.
Application June 12, 1944, Serial No. 539,922
3 Claims. (Cl. 2—74)

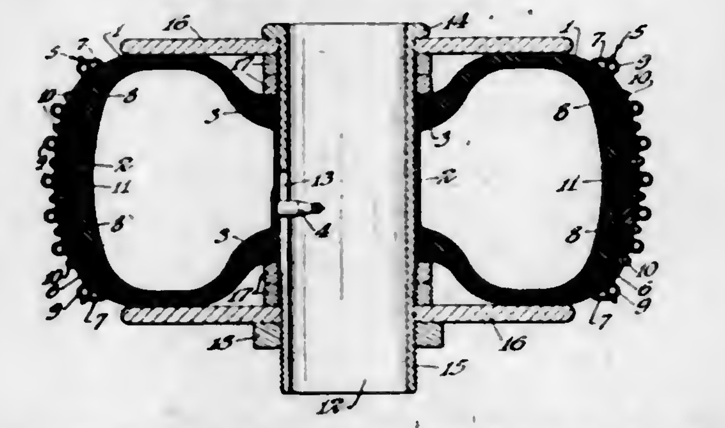
1. A flat garment of the character described including, a body having a blouse portion and a skirt portion, sleeves on the sides of the body at the blouse portion, means operable by the user for gathering the upper end of the blouse portion, and means operable by the user for gathering the skirt portion at the waist, the first mentioned means including a drawstring extending parallel with the upper end of the blouse and also along the upper portions of the sleeves.



2,418,583
ETHYL CELLULOSE GELS AND THE METHOD OF PREPARING SAME
Mortimer T. Harvey, South Orange, N. J., assignor to Harvel Research Corporation, a corporation of New Jersey
No Drawing. Application August 26, 1944, Serial No. 551,446
4 Claims. (Cl. 106—173)

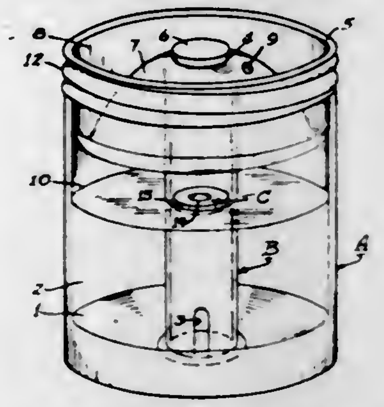
1. A gel comprising ethyl cellulose and a product obtained by heating between about 140° F. and 600° F. a mass of an alkyl ester of abietic acid having between 1 to 4 carbon atoms in the alkyl group and while in said heated condition agitating said mass in the presence of a free oxygen containing gas until the viscosity of said mass at 25° C. has increased at least 50%, the ethoxy content of said ethyl cellulose being between 44% and 50%.

2,418,584
TIRE RETREADING EQUIPMENT
Paul E. Hawkinson, Minneapolis, Minn., assignor to Paul E. Hawkinson Company, Minneapolis, Minn., a corporation of Minnesota
Continuation of application Serial No. 565,627, November 29, 1944. This application June 7, 1946, Serial No. 675,064
1 Claim. (Cl. 18—18)



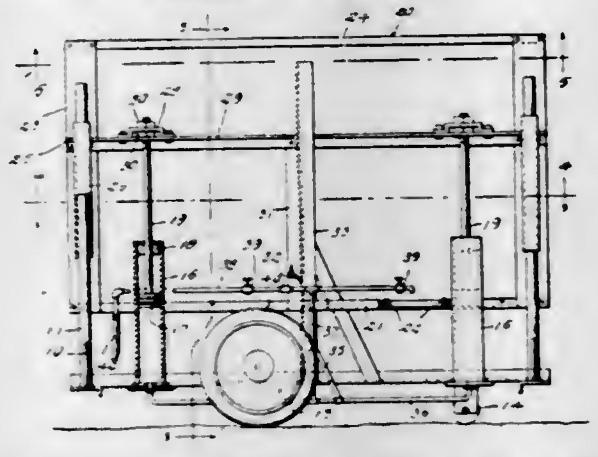
A device for use in conjunction with a full-circle tire retreading mold which comprises an elongated tubular rim member of slightly less diameter than the central opening of a given pneumatic tire casing, said tubular rim member having a radially projecting retaining flange on one end and external threads on the opposite end, a pair of spaced matched annular plates carried by said tubular member and adapted to engage the opposed side walls of a pneumatic tire, spacer rings carried by said tubular member and adapted to be inserted between said annular plates and the bead portions of said tire, said plates and spacer rings being removable from said tubular member only from the threaded end thereof, the threaded end of said tubular member having a slot which extends axially inwardly to a point more than half the length of said tubular member, and means engaging the threaded end of said rim member for forcing said plates together and exerting equal force upon the spaced side walls of said tire.

2,418,585
INK BOTTLE
Samuel W. Jaeger, San Francisco, Calif.
Application January 31, 1945, Serial No. 575,413
1 Claim. (Cl. 120—69)



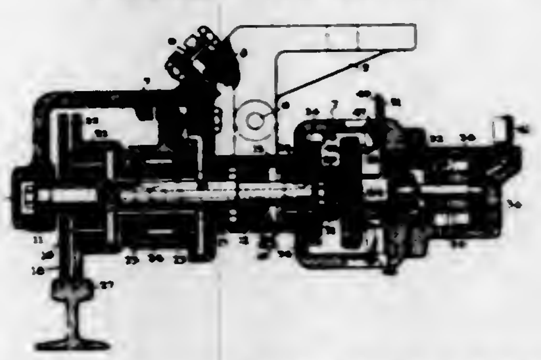
In an ink bottle, a receptacle for ink, a central supporting member disposed within the receptacle, a ring-shaped ink well surrounding and being supported by the support and extending from the support to the inner wall of the receptacle, the ink well being formed by a ring-shaped wall that is substantially U-shaped in transverse cross section between the support and receptacle wall, said ring-shaped wall having an opening therein for permitting ink to be poured from the receptacle into the ink well when the ink bottle is tilted, the opening being at a position on the wall to limit the highest level of the ink in the ink well.

2,418,586
CAR DOOR HANGING TRUCK
William Jenkins, Los Angeles, Calif.
Application October 6, 1944, Serial No. 557,464
3 Claims. (Cl. 214—1)



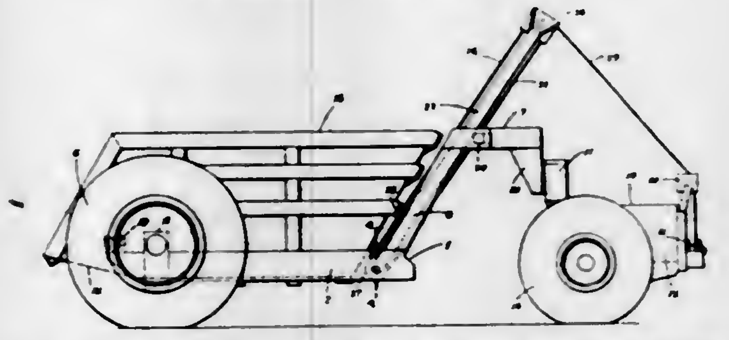
1. A box car door moving truck comprising a wheeled support, air cylinders on the support, a door receiving rack, guide means for the rack, said air cylinders being provided with pistons operative therein and rods extending from the pistons and connected to the said rack, a trough mounted on the support for receiving the lower portion of the rack and guide means on the trough for said rack.

2,418,587
SANDER
Alton W. Laird, Adams, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application July 24, 1943, Serial No. 496,092
7 Claims. (Cl. 291—2)



1. Means for sensing the degree of slipperiness of a traction surface, comprising in combination a pair of wheels each normally rolling freely on said surface in adhesive contact therewith, said wheels being so arranged as to trace distinct laterally offset paths on said surface, so that neither affects the condition of the portion of the surface engaged by the other; means operable to impose a retarding effect on the rotation of one of said wheels; and force developing means adapted to be rendered active by relative rotation of said wheels.

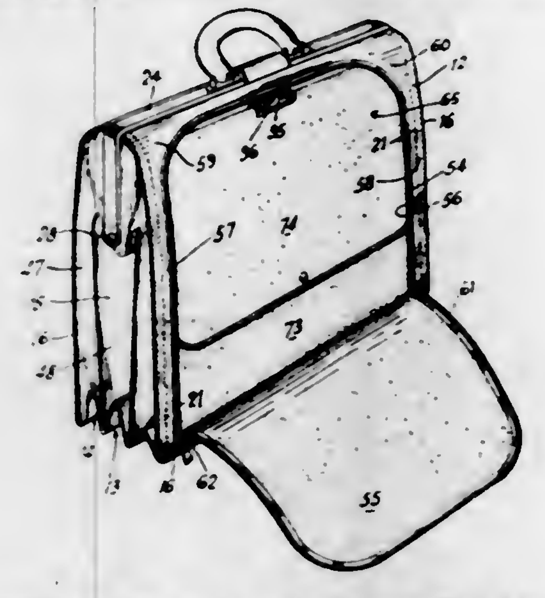
2,418,588
SELF-PROPELLED DUMP WAGON
Robert G. Le Tourneau, Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif., a corporation of California
Application July 17, 1944, Serial No. 545,374
3 Claims. (Cl. 298—19)



1. A self-propelled dump wagon comprising a wheel supported frame coupled in unitary but steerable relation to a tractor, a rear end discharge dump body pivoted adjacent its rear end on the frame for upward and rearward tilting movement, a mast upstanding from the frame adjacent but ahead of the body, said mast being swingable lengthwise of the frame, a block and tackle unit connected between the forward end of the body and an elevated point on the mast, said unit including a pull reach extending forwardly and downwardly and a power winch on the tractor, the pull reach being connected to said winch; the tractor being of two-wheel type, and the power winch being mounted on the forward end thereof.

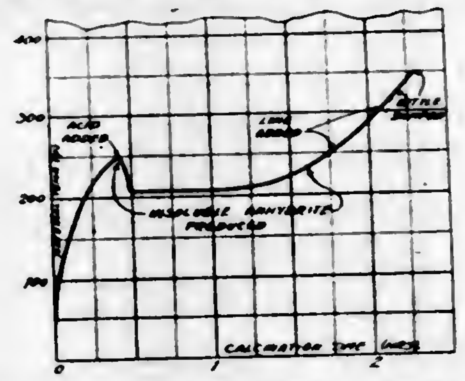
2,418,589
COMBINED BRIEF AND OVERNIGHT CASE
Samuel H. Lifton, New York, N. Y.
Application April 9, 1946, Serial No. 660,660
1 Claim. (Cl. 190—44)

In a carrying case wherein an envelope removably surrounds an article and is provided with a gap at a medial portion thereof and wherein hanger means in part projects through said gap and in part is removably disposed within said envelope for sustaining said article, an outside flexible panel, an inside wall spaced from said panel, expandible and contractible gusset means interconnecting said wall and panel and defining therewith a compartment to receive said envelope, said panel having spaced and vertically disposed marginal strips and upper and lower horizontally arranged marginal portions, said panel having spaced corner sections having lower curved margins merged with said upper marginal portion and with the upper parts of said strips; said upper and lower marginal portions, strips and curved margins defining a marginal rim having a relatively large opening with said vertically disposed strips being spaced apart a distance less than the length of said envelope, a flexible cover substantially complementary to said opening to provide access to said compartment and to said envelope therein and integral with said lower marginal portion and removably interposed between said strips and upper marginal portion, disconnectible fastening means secured to said strips and to said upper marginal portion and to the side and upper marginal parts of said cover, said marginal strips and said sections cooperating with side marginal portions of said envelope to retain the latter in said compartment even though said cover is swung downwardly and outwardly and about said lower marginal portion, flexible means bridging the top of said compartment and secured to said panel and wall, and holding means carried by said flexible means for removably supporting said hanger, said strips and marginal portions cooperating with said holding means to retain said envelope within said compartment.

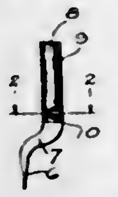


2,418,590
PROCESS OF MAKING ANHYDROUS CALCIUM SULPHATE
Harry K. Linzell, Long Lake, Ill., Harold E. Simpson, Pittsburgh, Pa., and Manvel C. Dailey, Elmhurst, Ill., assignors to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
Application May 4, 1944, Serial No. 534,034
18 Claims. (Cl. 23—122)

1. Process of making insoluble anhydrite which comprises heating substantially dry finely powdered gypsum to a temperature of about 250° F., then adding thereto from about 0.5% to 5.0% of its weight of concentrated sulfuric acid in excess of that required to neutralize impurities contained in said gypsum, and continuing the heating to about 300° F. until substantially all of the combined water of crystallization has been driven from the gypsum, thereupon neutralizing the sulfuric acid by an excess of lime, and cooling the resulting product.

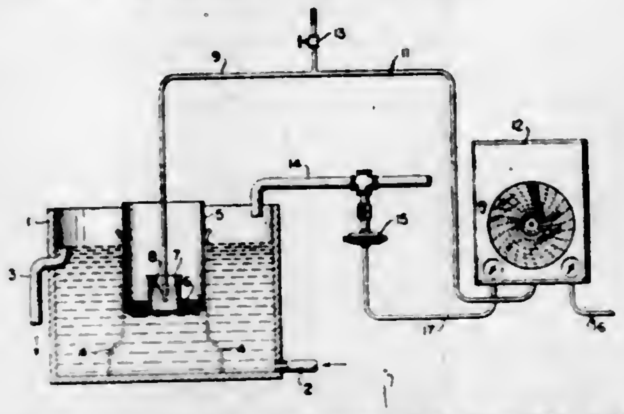


2,418,591
PHONOGRAPH STYLUS MOUNT
Richard A. MacDonald, Oshkosh, Wis., assignor to Flexograph, Inc.
Application July 24, 1943, Serial No. 495,976
6 Claims. (Cl. 274—38)



1. In a device for reproduction from a laterally cut record, the combination with a sleeve of such length and diameter as to be receivable in a stylus socket of a reproducer, of a carrier comprising a shank freely swiveled in the sleeve and provided with an offset portion comprising a stylus carrying member, means limiting the range of swiveling oscillation of the shank in the sleeve, said shank being freely oscillatable within said range whereby said offset portion may assume a trailing, swivelling position with respect to a record groove traversed by said socket.

2,418,592
LIQUID DENSITY MEASURING APPARATUS
John Frederick Maienshein, Parkville, Md., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 3, 1944, Serial No. 547,915
5 Claims. (Cl. 73—33)



3. In a system to measure the specific gravity of a liquid, the combination of a float to be submerged in a body of said liquid that is maintained at a constant level, the amount said float is submerged depending upon the specific gravity of said liquid, said float having in it a body of a second liquid having a specific gravity larger than that of the first mentioned liquid, means cooperating with said second liquid to pro-

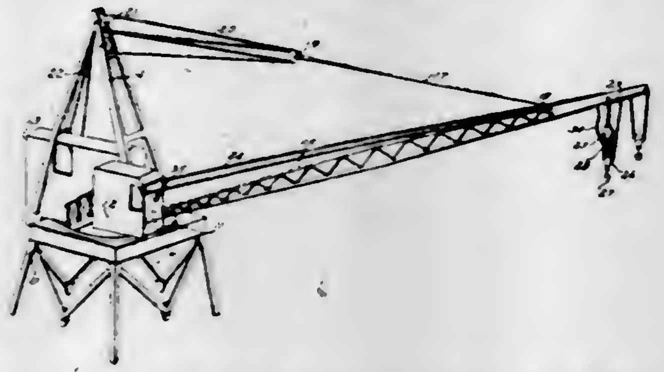
duce an air pressure varying in accordance with the amount said float is submerged in said first liquid, and exhibiting means responsive to said air pressure.

2,418,593
CRANE WEIGHT AND RADIUS INDICATOR

Walter R. Martin, Lowell Linder, and Harold J. Blythe, Long Beach, Calif., assignors, by mesne assignments, to said Martin

Application October 26, 1943, Serial No. 507,732

6 Claims. (Cl. 265—47)



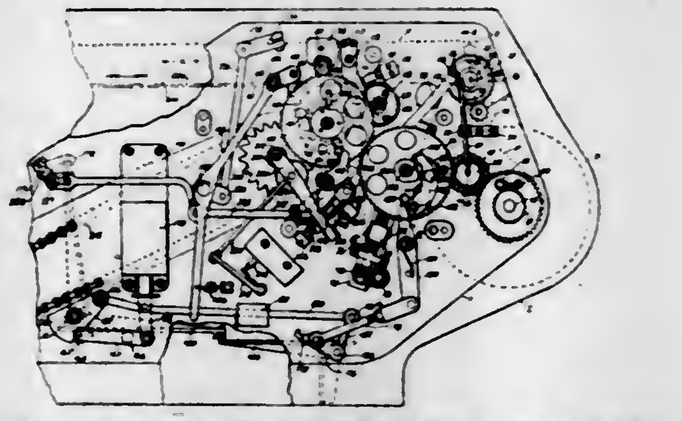
1. In combination with a crane including a boom having a hoisting block at the free end thereof and means by which the radius of the boom may be set adjustably, load responsive means associated with the hoisting block, an indicating structure including a fixed dial having thereon graduations indicating boom radii, a movable dial carrying graduations indicating the load imposed upon the boom and having a pointer moving with relation to the graduations on the fixed dial, a hand adapted to move over the face of the movable dial, hydrostatic means connected with the movable dial and acting in direct response to the set radius of the boom to rotate the dial with reference to the fixed dial and thus indicate the radius at which the boom is set, separate hydrostatic means connected with said load responsive means and said indicating hand, the movable dial and indicating hand moving in unison as the angle of the boom changes, said separate hydrostatic means being responsive to the load imposed upon the free end of the boom and said load responsive means for moving the indicating hand over the movable dial when the angle of the boom has been fixed and thereby indicating the magnitude of the load with relation to the movable dial.

2,418,594
SHUTTER AND FILM-WIND INTERLOCK

John F. Morse, Hudson, and Harry L. Hosterman, Akron, Ohio; said Hosterman assignor to said Morse

Application June 14, 1943, Serial No. 490,940

34 Claims. (Cl. 95—31)



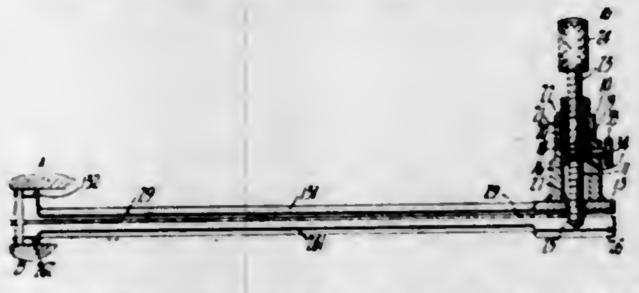
1. In a camera, the combination of a shutter which is resettable after exposure, a film wind-up spool, power means to drive the wind-up spool and reset the shutter, a measuring roll running in contact with the surface of the film, means controlled by the extent of revolution of the measuring roll to disconnect the spool from its driving means, a separable connection between the spool and said power means, and means to close said connection during the resetting of the shutter after exposure.

2,418,595
DISTANCE CALIPER

Bela Muller, New York, N. Y.

Application March 21, 1945, Serial No. 583,978

2 Claims. (Cl. 33—154)



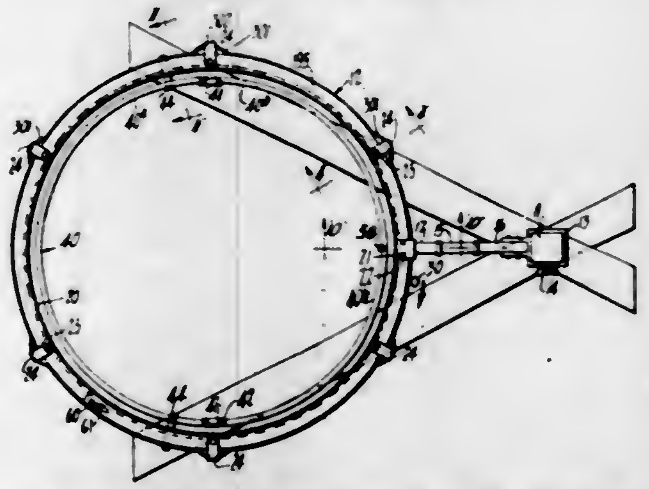
2. A measuring device of the class described comprising a lower and an upper elongated plate having left and right ends and back and front edges and being hinged together at the back edges, a tubular cylinder mounted on the upper plate and having an inner shoulder in the tube and a bore extending downward from the shoulder, a piston slideable in the bore and having side arms, slots in the side of the cylinder for slideable mount of the piston arms therein whereby the piston is held against rotation in the cylinder, a spring having one end against the shoulder and another end against the piston and normally forcing the piston downwards, a stud threaded thru the piston and having upper and lower ends, the upper end having a knob and extending upwards out of the cylinder, a bore in the upper plate for passage therethru of the lower end of the stud to contact the lower plate when the stud is turnably moved downwards to move the lower plate arcuately away from the upper plate, means to lock the piston in a selected position relative to the cylinder comprising a stud in the cylinder wall engageable with the piston.

2,418,596
CIRCULAR CLOTH CUTTER

Bela Muller, New York, N. Y.

Application May 7, 1945, Serial No. 592,348

2 Claims. (Cl. 164—71)



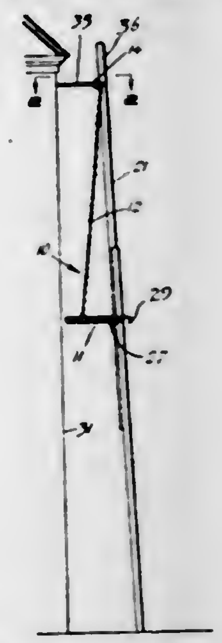
1. A cutting device having a base carrying an upright graduated rod on which the cutter mechanism is mounted, an arm having a strap around the rod having a screw for engaging the strap with the rod, said cutter being mounted on the strap-arm and comprising a knife, an inner circular clamp and a spaced apart outer circular knife ring removably engageable with each other, a number of resilient brackets each having two arms engaging and mounting the rings, a knife and a U-shaped knife holder connected with the strap-arm and also engaging the outer ring. means removably engaging the clamp ring with the knife ring to clamp cloth therebetween comprising a lever fixed on the clamp ring and slidably engaging the strap-arm, a circular segmental knife slidingly mounted on the outer ring and having a cutting edge engageable with the clamped cloth when the knife slides in the outer ring towards the inner clamp ring.

2,418,597
LADDER SUPPORTED SCAFFOLD

Carl Neff, Louisville, Ohio

Application October 25, 1945, Serial No. 624,528

2 Claims. (Cl. 304—10)



1. A scaffold attachment for a ladder which includes a header, clamp hooks on the header adapted to be clamped to a rung of a ladder, spacers adjacent opposite ends of the header to hold the upper end of the ladder in spaced relation to a wall, a scaffold, hooked brackets intermediate opposite ends of the scaffold to hook about a rung of the ladder below the header and suspension chains connecting opposite ends of the header with opposite ends of the scaffold.

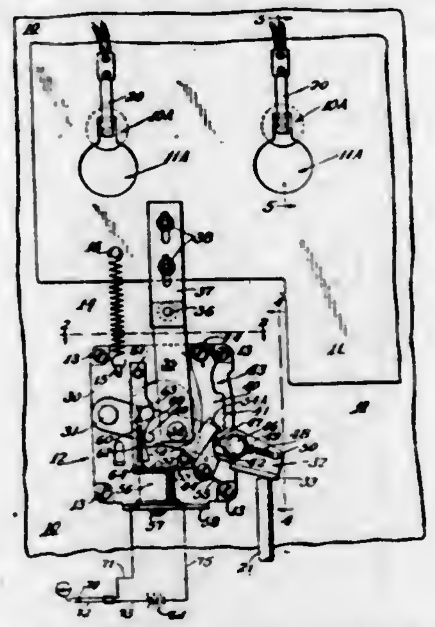
2,418,598
FULL STROKE LATCH FOR REMOTE CONTROL

Frank G. Nicolaus, Chicago, Ill., assignor to Raymond T. Moloney, Chicago, Ill.

Application July 2, 1945, Serial No. 602,889

11 Claims. (Cl. 74—17.5)

1. Mechanism of the class described comprising an operating lever mounted for oscillatory motion, a full-stroke dog on said lever, a rack for said dog and arcuately arranged to be traversed by said dog in motion of said lever back and forth, said rack being flanked at opposite ends by cut-outs serving to free said dog when said lever is fully moved to limits of travel determined by the length of said rack, whereby said lever must be moved to said limits of travel in either direction for full-stroke operation, lever means normally and yieldingly preventing movement of said dog into one of said cut-outs to latch said operating lever in a predetermined position, and electromagnetic means energizable to move said latching lever means from latching position.

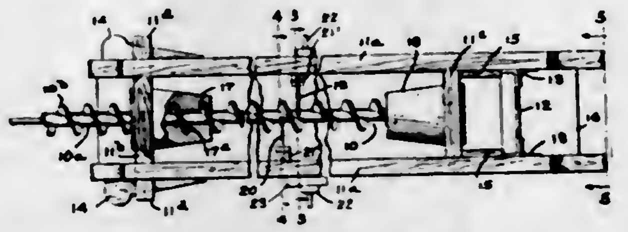


2,418,599
APPARATUS FOR MOLDING HELICAL SCREWS

Frank Wesley Ortman, Sandusky, Ohio, assignor to Farrell-Cheek Steel Company, Sandusky, Ohio, a corporation of Ohio

Application October 2, 1944, Serial No. 556,775

1 Claim. (Cl. 22—14)



Apparatus for integrally casting a long screw having a cylindrical shaft about which is disposed a helical flight extending radially away from said shaft, comprising an elongated flask, a screw pattern of the screw to be cast, two upright braces supported in said flask from opposite sides thereof and intermediate the ends of the flask, said braces extending above said shaft, there being recesses in said braces opening laterally inwardly and adapted to half embrace said shaft of said screw pattern respectively on opposite sides thereof, and said braces being spaced apart longitudinally of said screw pattern sufficiently to permit the flight thereof to pass between said braces after sand is rammed in said flask about said pattern and said pattern is screwed out of the sand by rotation about its axis.

2,418,600
METHOD AND MACHINE FOR FORMING PAPER

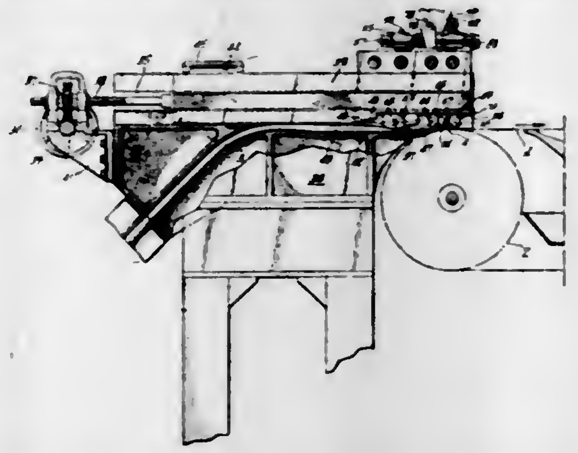
Harry M. Ostertag, Drexel Hill, and Francis O. Boylan, Norwood, Pa., assignors to Scott Paper Company, Chester, Pa., a corporation of Pennsylvania

Application February 1, 1944, Serial No. 520,664

16 Claims. (Cl. 92—44)

1. In a machine for forming paper webs, a rotary cylinder having an open cellular periphery, a traveling forming wire trained about the cylinder, means for flowing a stream of dilute

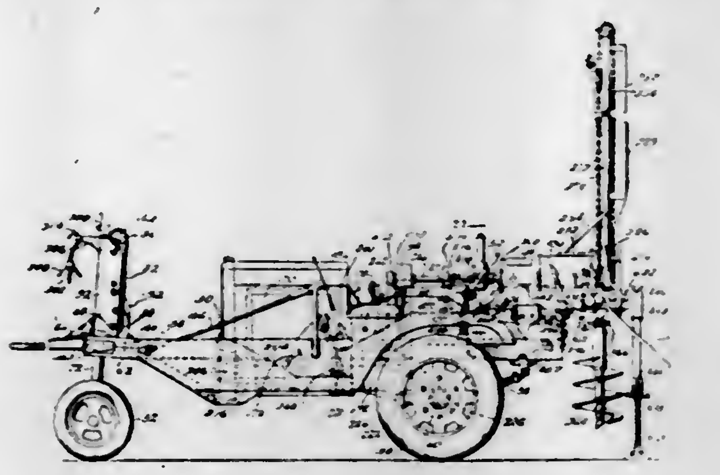
paper stock to the periphery of the cylinder within the confines of a limited circumferential area of the latter, wherein the wire is operative to separate the stock fibres from the water of said stream, means for draining substantially all of the water content of the stream into the said cellular periphery within the limits of said area, means to preclude outward discharge of any material part of the water from said periphery and to retain in said periphery a major part of the said drained water during a predetermined angular movement of the cylinder beyond the said area, and means for effecting discharge of the water thus retained outwardly from the periphery between the reaches of and remote to the wire.



2,418,601

EARTH DRILL

Dwight Richards, Harvey, Ill., assignor to The Buda Company, Harvey, Ill., a corporation of Illinois
Application January 19, 1944, Serial No. 518,845
9 Claims. (Cl. 255—19)



1. An earth drill of the class described comprising a vehicle frame, a subframe pivotally mounted thereon, a motor carried by said vehicle frame, drilling means carried by said subframe, driving connections carried by said subframe, a clutch for connecting said driving means with said motor, means for clamping said subframe in operative position, a lever for operating said clutch, a second lever for operating said clamping means, mutually engageable parts movable with said levers respectively, the part which moves with the clamp lever being positioned to block movement of the clutch lever into clutching position until the clamp lever is shifted to clamping position, and the part which moves with the clutch lever being positioned to block movement of the clamp lever to its release position until said clutch has been disengaged by movement of the clutch lever.

2,418,602

VARIABLE FIELD MICROSCOPE

Oscar W. Richards, Snyder, N. Y., assignor, by mesne assignments, to American Optical Company, Southbridge, Mass., a voluntary association
Application November 13, 1943, Serial No. 510,090
3 Claims. (Cl. 88—39)

1. In a microscope having a condenser with a predetermined aperture controlling the cross section of the beam of light illuminating the object to be observed and an objective for forming an image of said object, means for modifying the image thus formed so as to be seen selectively as light on a dark background or dark on a light background comprising a movable carrier, and a pair of mounts each swivelled on said carrier, one of said mounts being provided with a series of optical members for producing various amounts of contrast in said image with the object seen as light on a dark background, the other of said mounts being provided with a different series of optical members for producing various amounts of contrast in said image with the object seen as dark on a light background, movement of said carrier in one direction bringing one of said mounts into operative relation to said condenser and objective and movement thereof in the opposite direction bringing the other of said mounts into operative relation to said condenser and objective, each mount being adjustable by swivelling on said carrier to bring a selected optical member into alignment with the optic axis of said objective.

2,418,603

METHOD OF PREPARING ESTRADIOL FROM EQUILIN AND INTERMEDIATES OBTAINED THEREBY

Erwin Schwenk, Montclair, N. J., and Edith Bloch and Bradley Whitman, New York, N. Y., assignors to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey
No Drawing. Application February 5, 1941, Serial No. 377,482
15 Claims. (Cl. 260—397.4)

1. A process for converting a starting estratriene compound having a double bond in ring B into a compound saturated in ring B and having the nucleus and the steric configuration of estradiol, comprising saturating the double bond in ring B of the starting compound by adding thereto two hydroxyl groups at the olefinic double bond, dehydrating the product to produce the corresponding 7-keto compound, and replacing the ketonic oxygen in the 7-position with hydrogen.

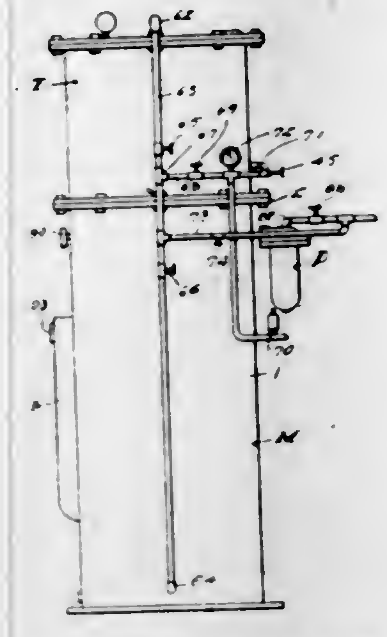
2,418,604

FILTERING APPARATUS

Frank B. Shepard, Texon, Tex.
Application November 1, 1943, Serial No. 508,556
3 Claims. (Cl. 210—122.3)

1. A filtering apparatus, comprising in combination, two tanks, a discharge pipe leading from one of the tanks and in communication with the second tank, a filtering means within the first tank through which the fluid passes before flowing out of the discharge pipe into the second tank, a filtering means within the second tank, a supply pipe line in connection with the discharge pipe, valves in the discharge pipe at opposite

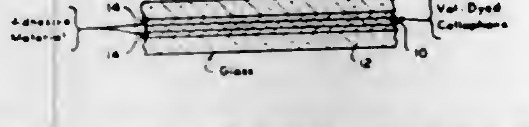
sides of the connection between the discharge pipe line and the supply pipe, a valved carry-off pipe line leading from the discharge pipe at one side of the connection between the supply pipe line and the discharge pipe, a valve in the discharge pipe at the opposite side of the connection between the supply pipe line and the discharge pipe from said valved carry-off pipe line, a valved pipe line leading from the supply pipe line and delivering into the first tank, the filtering means within the second tank comprising two filter elements directly connected one with the other, a cartridge of fuller's-earth surrounding said elements, and means interposed between the filtering elements for equalizing flow through the fuller's-earth relative to said elements.



2,418,605

FILTER TRANSPARENT TO INFRARED RADIATION AND OPAQUE TO VISIBLE LIGHT

Ridgley G. Shepherd, Jr., Needham Heights, and Cutler D. West, Cambridge, Mass., assignors to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application December 15, 1944, Serial No. 568,242
7 Claims. (Cl. 88—109)



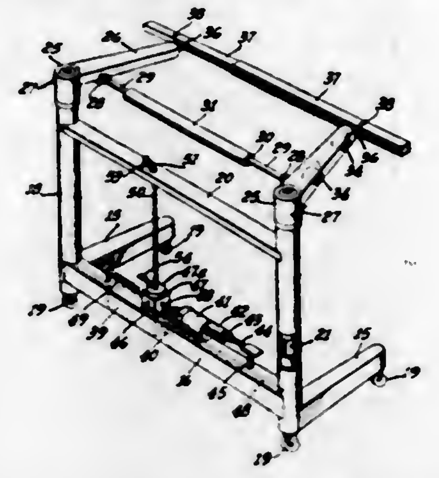
5. A filter cutting off visual light but showing high transmission in the near infrared comprising a transparent sheet of regenerated cellulose dyed with a mixture of light and heat stable vat dyes, the individual dyes having high transmission in the near infrared and having complementary regions of high absorption throughout the visual spectrum.

2,418,606

INVALID LIFT AND TRANSFER DEVICE

Ralph Nichol Smith, Los Angeles, Calif.
Application September 18, 1944, Serial No. 554,663
3 Claims. (Cl. 5—86)

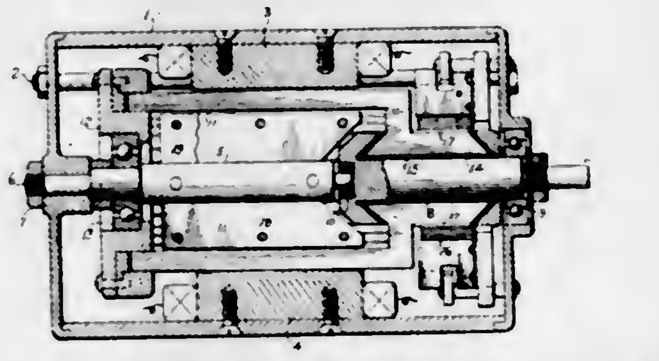
3. In a device of the character described, a base, a pair of tubular members supported on said base, a pair of rams, each respectively telescoped into one of said tubular members and rotatable with respect thereto, a pair of crane arms, each of said crane arms being rigidly attached to an upper end of one of said rams, means resiliently connecting said crane arms, and a body-supporting panel adapted to be supported on said crane arms.



2,418,607

ELECTRIC MOTOR

Joseph W. Suydam, Blue Point, N. Y.
Application August 2, 1944, Serial No. 547,704
4 Claims. (Cl. 171—252)



1. An electric motor construction, comprising an outer casing, field magnets located in the casing, electrical conductors and connections whereby said field magnets are energized, said casing having an axial shaft member comprising two aligned portions, one portion being secured at the end to said casing and held stationary, the second axial shaft portion being rotary, said casing having a bearing for the end of the said rotary axial portion, said stationary portion having an end provided with a bearing for the meeting end of said rotary portion, conductor bars arranged to move by and near the field magnet poles, each conductor bar having an L-shaped end extension arranged upon said rotary axial shaft portion, insulating material and clamping devices adapted to connect the said L-shaped ends of said bars and said rotary axial shaft portion, the said stationary axial shaft supporting a bearing located near its end and secured to the casing, a mounting conducting disk constructed to receive the ends of the said conductor bars in mutual electrical contact, said disk having rotary engagement with the said bearing on the stationary shaft portion, said L-shaped ends of the conductor bars arranged to form the commutator of the motor, brushes constructed and arranged to bear upon and supply electric current to the said commutator, said stationary axial shaft portion having a lengthwise and diametrical passage, magnetizable plate laminations placed flatwise together and secured whereby a body of laminated plates is formed, said body of plates passing through the passage in the said stationary axial shaft portion, and means for securing the laminated body in said passage.

2,418,608
CORROSION-RESISTANT METALLIC ARTICLE AND METHOD OF MAKING THE SAME

John S. Thompson and Robert R. Tanner, Detroit, Mich., assignors to Parker Rust Proof Company, Detroit, Mich.

No Drawing. Application June 3, 1940, Serial No. 338,582. In Canada May 22, 1939

12 Claims. (Cl. 148—6)

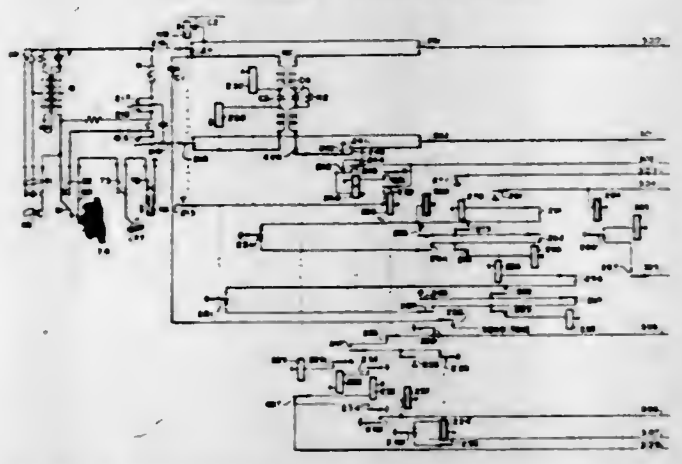
1. A process which comprises applying to an industrial metallic surface a film of an acidulous aqueous solution the chief compounds in the solution as applied containing the PO_4 radical, hexavalent chromium and a metal having a valence of at least two and acting as a cation, said film containing sufficient chemicals to form a corrosion-resistant paint-holding coat when dried, and drying the film on the metallic surface.

2,418,609
TELEPHONE SYSTEM

John H. Voss, Downers Grove, and Herbert F. Obergfell, deceased, late of River Forest, Ill., by Amanda Obergfell, executrix, River Forest, Ill., assignors to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application October 23, 1944, Serial No. 559,878

15 Claims. (Cl. 179—16)



4. In an automatic telephone system, a calling device for transmitting coded digits comprising one or a plurality of loop pulses and a ground pulse corresponding to certain digits, a pair of line relays both operated in response to each transmitted loop pulse and only one of said relays operated in response to each transmitted ground pulse, circuit means controlled by each of said line relays for translating said coded digits comprising loop and ground pulses into pulses corresponding in number to the actual value of the transmitted digit, and an impulse receiving and retransmitting means operated in response to said translated digits for storing said translated digits.

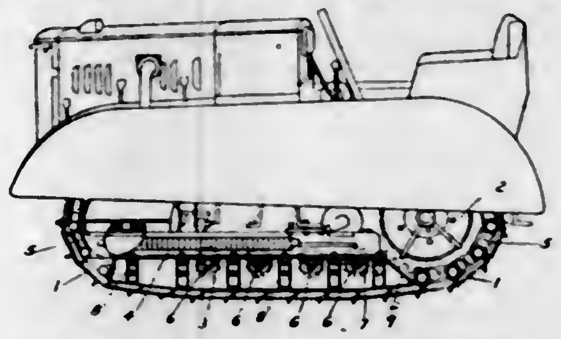
2,418,610
TRACTOR TRACK GUARD

Arden Eldon Webb, Heflin, Ala.

Application December 20, 1943, Serial No. 514,873

1 Claim. (Cl. 305—9)

A device of the class described for keeping the tread of a tractor in operating position on its rails comprising; a plurality of L shaped brackets removably attached by bolt means to both sides of the lower portion of the frame of each tread of the tractor, spacer bolts removably attached through holes in the said brackets and positioned to hold the said brackets spaced apart and in alignment, an oblong metal plate removably attached on each side of the tractor tread and held and supported on said spacer bolts, said plates having their lower edges extending downward close to the bottom of the roller rails of the tractor tread.

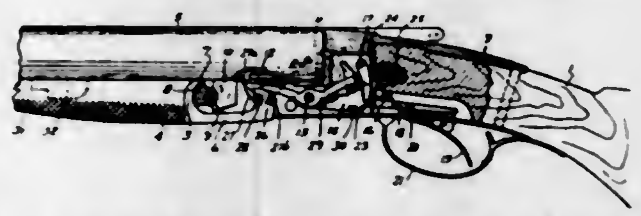


2,418,611
EJECTOR AND COCKING MECHANISM FOR FIREARMS

Charles A. Young, Springfield, Ohio

Application July 10, 1944, Serial No. 544,171

16 Claims. (Cl. 42—43)



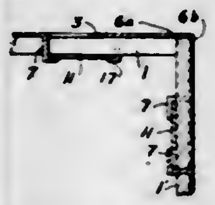
1. A breakdown firearm wherein a gun barrel attached to a forearm grip and equipped with a shell ejector is hinged to a gun frame for relative swinging motion, and having a spring actuated firing hammer mounted in said frame, including the combination of an arm carried by the forearm grip extending rearwardly of the hinge connection thereof into overlapping relation with the gun frame, an actuating member for the shell ejector carried by the forearm grip arm, a cocking lever mounted on the gun frame and engageable with the hammer to retract the latter to cocked position, an energizing spring common to the hammer and the ejector actuating member tensioned by the cocking lever, the shell ejector actuating member being engageable with the cocking lever to operate the shell ejector upon initial swinging motion of the forearm grip, the cocking lever being engageable by the forearm grip arm upon continued swinging adjustment of the forearm grip and gun barrel to retract the hammer to cocked position.

2,418,612
LAMINATED SHEET

Philip Zalkind, New York, N. Y.

Original application May 14, 1935, Serial No. 21,411, now Patent No. 2,274,765, dated March 3, 1942. Divided and this application February 28, 1942, Serial No. 432,769

1 Claim. (Cl. 20—92)



As an article of manufacture, a sheet of laminar material comprising sheets of non-metallic material securely joined to a layer of sheet metal, the said sheets of non-metallic material being spaced from each other and defining a bending area for the composite sheet, and means for predetermining the abutting arrangement of the margins and edges of said non-metallic sheet material with respect to each other and with respect to the layer of sheet metal when said composite sheet is folded about said predetermined bending area to a position where one of said non-metallic sheets is normal to the other, said means comprising the spacing of said edges by a distance substantially equal to the thickness of one edge, the other edge being thicker than said first edge and guiding said first edge during folding so that it engages the surface of the metallic layer when the fold is completed, while said other edge abuts the margin of the sheet which includes the first edge.

2,418,613
FOG INHIBITORS FOR PHOTOGRAPHIC EMULSIONS

Charles F. H. Allen and Jean E. Jones, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application July 30, 1945, Serial No. 607,919

8 Claims. (Cl. 95—7)

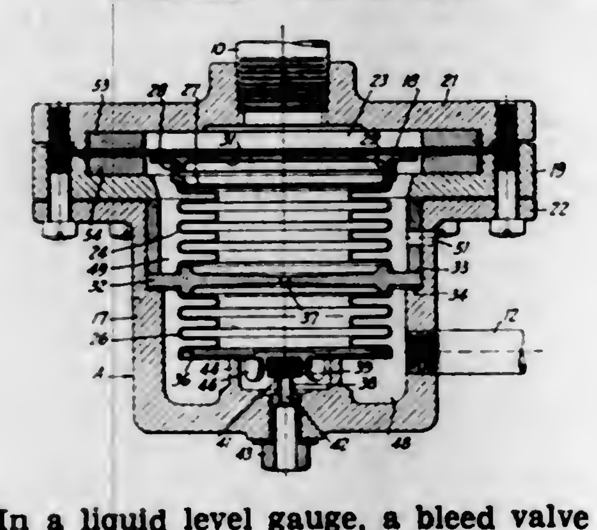
1. A gelatino silver halide emulsion containing a fog-inhibiting amount of an aryl-substituted hydroquinone, the aryl substituent being an aryl group of the benzene series and substituted in at least one of the 2, 3 and 5 positions of the hydroquinone.

2,418,614
LIQUID LEVEL GAUGE

Douglas H. Annin, Oakland, Calif., assignor, by mesne assignments, to Fluid Control Engineering Co., Emeryville, Calif., a copartnership consisting of M. H. Grove and J. E. Grove, both of Piedmont, Calif.

Application March 6, 1944, Serial No. 525,169

4 Claims. (Cl. 73—302)



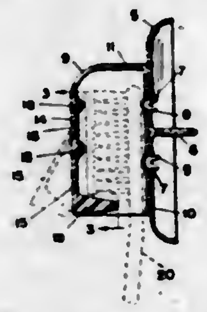
1. In a liquid level gauge, a bleed valve comprising stationary and movable valve members, a source of gas under pressure connected to the bleed valve through a restricted orifice, a pressure gauge also connected to the outflow side of the orifice, a diaphragm forming a fixed fluid pressure area, means for applying liquid pressure from the lower portion of the tank to one side of the diaphragm, a compressible cell operatively connected to the diaphragm and adapted to be compressed or expanded reponsive to flexing movements of the diaphragm, a second compressible cell affording a fixed fluid pressure area and connected to the movable member of the bleed valve, both said cells being filled with liquid and being connected together through a flow restricting orifice, and means for applying pneumatic pressure from the outflow side of the first mentioned orifice to the fluid pressure area of the last named cell.

2,418,615
TOOTHBRUSH HOLDER

Stephen L. Barna, Detroit, Mich.

Application August 24, 1945, Serial No. 612,410

2 Claims. (Cl. 206—15.1)



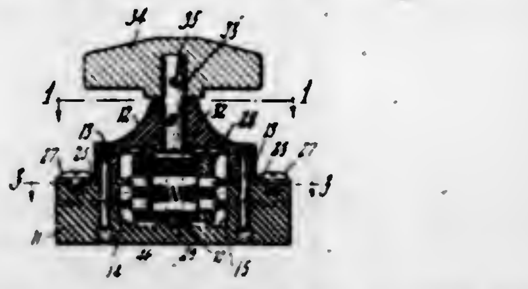
2. In a device of the character described, the combination of a base plate, means on said base plate for accommodating the fastening means of individual removable brush housings, and a plurality of brush housings secured to said plate, each housing comprising a closure for the head of a brush, and each housing having a hinged member with means thereon for supporting a brush, said last-named means including an inturned foot with inclined surfaces, which, upon forceful contact of a brush, causes the outward movement of said hinged member, there being spring means for normally holding said hinged member in closed position.

2,418,616
MULTIPLE PURPOSE ELECTRIC SWITCH

Hugh W. Batcheller, Newton, Mass., assignor to Standard Mfg. Co., Watertown, Mass., a corporation of Massachusetts

Application April 5, 1944, Serial No. 529,556

11 Claims. (Cl. 200—6)

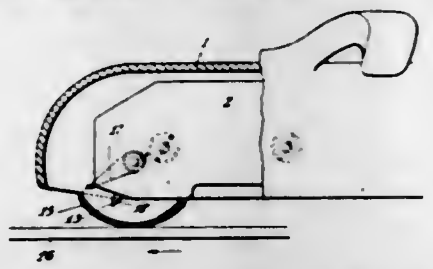


11. An electric switch comprising a base and a cover of insulating material forming a housing and having a cylindrical interior chamber, the walls of said chamber being provided with a number of relatively deep notches, the bottoms of which are in substantially the same plane transverse to the axis of the chamber, and also having a number of relatively shallow notches, the bottoms of which are in a different plane transverse to said axis, contact members having necks seated in the notches and against the bottoms thereof, and having inner boundaries extending in arcs substantially concentric with said axis, such arcs of all the contact members which are in one plane having the same radius and the walls of the chamber being formed with material substantially filling the arcuate spaces between adjacent contacts in each plane with concave surfaces of equal radius and substantially flush with the inner boundaries of the adjacent contact members, the base and cover being complementally formed to fill so much of the notches as are not filled by the contact members, a rotor contained within said chamber having an operating shaft extending through the cover, a movable contact carried by the rotor in position to make bridging engagement with contacts in different planes in the course of rotation, and means

acting on said movable contact to force it outward against the stationary contacts and the intermediate portions of the encircling chamber wall.

2,418,617
PICKUP DEVICE OF SOUND-REPRODUCING MACHINES

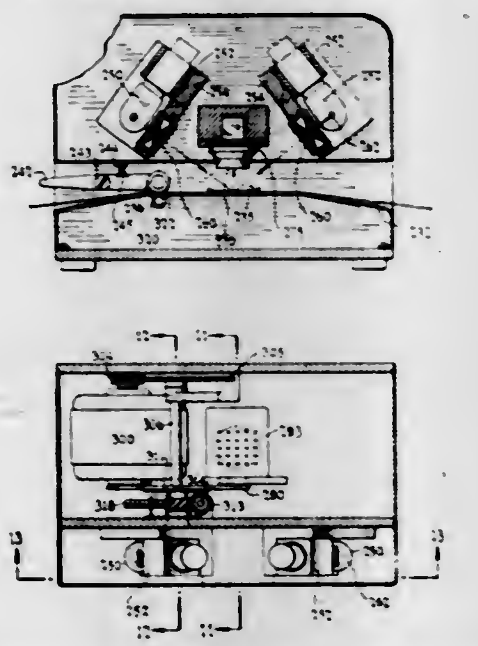
Jean-Jacques Bessire, Biel, Switzerland
Application December 15, 1945, Serial No. 635,204
5 Claims. (Cl. 179—100.41)



2. A pick-up for sound reproducing machines comprising in a casing in combination a piezoelectric crystal, a rotatable stylus holder in axial connexion with said crystal, a permanent stylus fixed to said holder and having a record engaging point of delicate material, an intermediate resilient means interposed in the vibratory system defined by said crystal, holder and stylus, a damping member mounted on said stylus and having a freely extending circumference, said damping member consisting of resilient material at least in the zone adjoining to said stylus and being adapted to damp the resonance peaks of the stylus vibrations, and a protective member movably mounted in said casing and adapted to occupy a closed position wherein said protective member covers said delicate stylus point and damping member against the record, and to be moved by the moving record into an open position, whereby said stylus point being uncovered and engaging the record.

2,418,618
HIGH-SPEED TAPE FACSIMILE SYSTEM

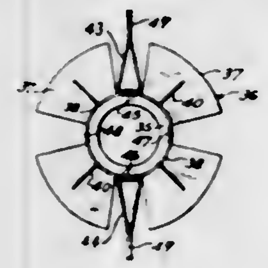
Frank R. Brick, Elizabeth, N. J., assignor to Finch Telecommunications, Inc., Passaic, N. J., a corporation of Delaware
Original application May 1, 1943, Serial No. 485,271. Divided and this application February 5, 1944, Serial No. 521,226
5 Claims. (Cl. 178—6.6)



1. A facsimile tape transmitter comprising a pair of light sources; a support for a tape; means for focussing the light from both sources in a single rectangular light bar of predetermined width on said tape; said rectangular bar of light extending transversely of said tape; means for moving said tape with respect to said bar of light; a light sensitive element; means for focussing and directing the light reflected from said tape on said light sensitive element; and a rotatable light chopper disk mounted between said last mentioned focussing means and said light sensitive element.

2,418,619
FINNED TUBE

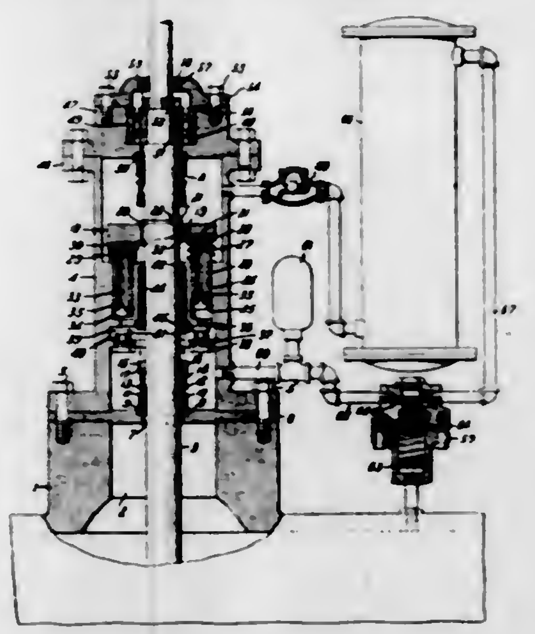
John W. Brown, Jr., Lakewood, Ohio, assignor to Brown Fintube Company, Elyria, Ohio, a corporation of Ohio
Application August 11, 1943, Serial No. 498,199
5 Claims. (Cl. 257—262)



5. A heat exchange element comprising a metallic tube; a plurality of transversely disposed metallic fin members projecting radially from the surface of said tube and formed with one or more alined radially extending slots; and one or more longitudinal fins extending axially of the tubes and disposed each in one of said slots.

2,418,620
ROTARY SHAFT SEAL

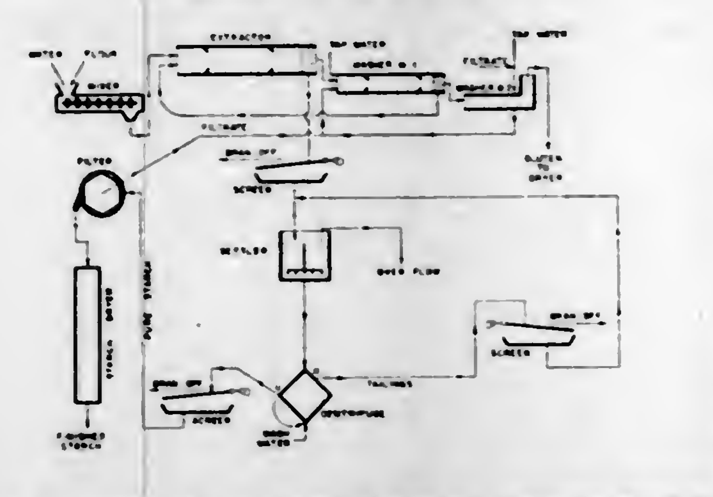
Ivan S. Brumagim, Warren, Pa.
Application November 13, 1945, Serial No. 628,262
9 Claims. (Cl. 286—19)



1. A shaft sealing device comprising a housing extending longitudinally of the shaft, a shaft seal at each end of said housing exposed to substantially different external pressures, and pumping means positioned within said housing and dividing the housing into chambers adjacent each of said shaft seals to provide differential fluid pressures in said chambers substantially equivalent to the pressures to which the respective shaft seals are externally exposed.

2,418,621
WHEAT STARCH PROCESS

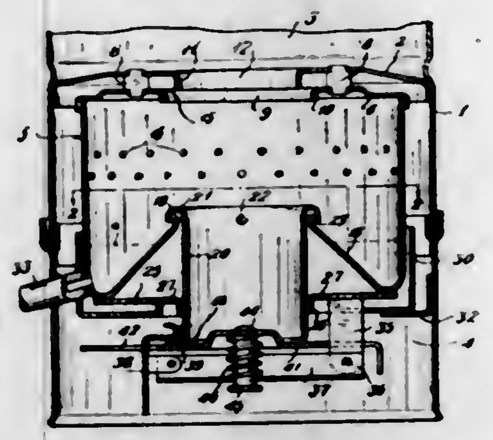
Robert W. Callaghan and Richard H. Schilling, Minneapolis, Minn., assignor to General Mills, Inc., a corporation of Delaware
Application August 4, 1943, Serial No. 497,408
13 Claims. (Cl. 127—67)



13. Process of preparing wheat starch which comprises forming a dough containing wheat starch and gluten, working the dough with water to convert said dough into a starch slurry and a gluten mass, separating the starch slurry from the gluten mass, subjecting the slurry to a gravity concentrating step to produce a first underflow and a first overflow, subjecting the first underflow to centrifugal separation to yield a second underflow and a second overflow, returning the second overflow to the gravity concentrating step, subjecting the first overflow to a gravity separation to yield a third underflow and a third overflow, washing the gluten mass with the third overflow, filtering the second underflow to recover starch therefrom, washing the preliminarily washed gluten with filtrate from the second underflow, returning the third overflow from the gluten washing step to the dough working step, and recovering solubles from the third overflow.

2,418,622
LIQUID FUEL BURNING APPARATUS

Lee S. Chadwick, Shaker Heights, Ohio, assignor to Perfection Stove Company, Cleveland, Ohio, a corporation of Ohio
Application June 5, 1943, Serial No. 489,741
8 Claims. (Cl. 158—91)



1. In liquid fuel burning apparatus, an upright burner bowl having a peripheral wall, a reentrant frusto-conical bottom wall joined to the lower end of said peripheral wall and terminating at its upper end in a lip, a lighting tube rising through the bottom of the bowl and surrounded adjacent its upper end by said lip and spaced from the lip to provide an annular space between the tube and lip, the top of the lighting tube being curled outwardly and over said lip in spaced relation thereto, means for supplying liquid fuel to the burner bowl, a closure for the lighting tube, and means for releasably retaining said closure in closed position for ready removal when it is desired to light the inflammable mixture of fuel vapor and air in the bowl.

2,418,623
STABLE DIAZO MATERIAL

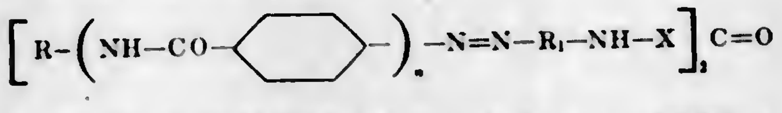
Jonas John Chechak, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application November 16, 1944, Serial No. 563,790
4 Claims. (Cl. 95—6)

1. The method of forming an azo dye image in a light-sensitive layer containing a stable diazobiguanide and a diazo coupler, which comprises exposing said layer to light rays in the form of an image to decompose the azo bond of the diazobiguanide in the exposed portions of the layer, and heating the layer in the presence of moisture to split the diazo biguanide in the residual portions of the layer and cause it to couple with the diazo coupler.

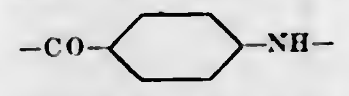
2,418,624
AZO DYES FOR COLOR PHOTOGRAPHY

Jonas John Chechak, and Burt H. Carroll, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application March 2, 1943, Serial No. 477,758
6 Claims. (Cl. 95—6)

1. A light-sensitive photographic element comprising a support having thereon a water-permeable colloid layer containing a pre-formed dye having the general formula:



in which R is selected from the group consisting of benzene and naphthalene nuclei and pyridine, X is selected from the group consisting of a chemical bond attached to the carbon atom of the carbonyl group outside the brackets and



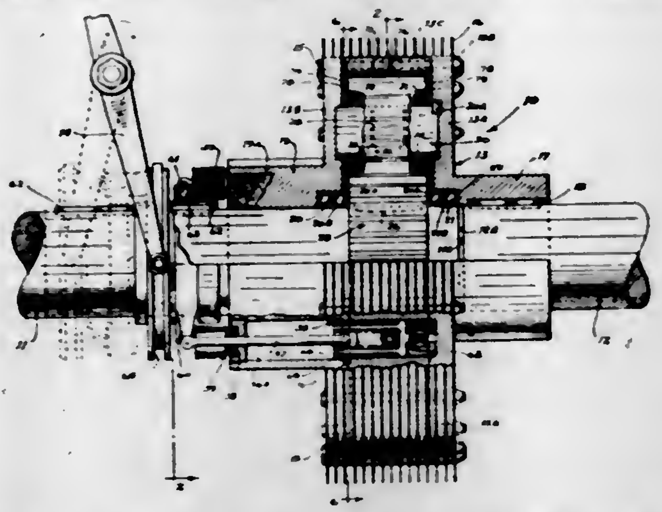
R_1 is an aryl nucleus, n is a positive integer from 1 to 3, and R and R_1 together contain at least two solubilizing sulfonic acid groups.

2,418,625
HYDRAULIC POWER TRANSMITTING MECHANISM

George W. Cornelius, Essex, Conn.
Application July 7, 1945, Serial No. 603,651
12 Claims. (Cl. 192—61)

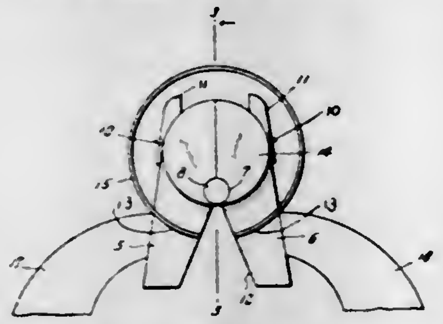
1. In a liquid power transmitting mechanism, a pair of relatively rotatable members, means affording a reversible liquid pump having relatively movable pumping elements operatively connected respectively to said members for pumping operation upon and in proportion to relative rotation of said members, said pump having means associated therewith affording a liquid supply reservoir and intake and discharge passages connected through said pump from said reservoir, shiftable main valves disposed in controlling re-

lation to said passages and each having an open position wherein liquid may be pumped freely through the related passage and each main valve having a closed position in which the related passage is closed against discharge of liquid through said passage by said pump, control means for opening or closing both of said main valves in unison, and check valve means carried by each of said main valves and disposed in such positions that when said main valves are in their closed positions, one of said check valves is held closed by the discharge pressure of the pump while the other of said check valves is opened by any suction action of the pump.



2,418,626
INSIDE-OUTSIDE PIPE GRIP

William T. Damrell, Mooresville, Mo.
Application April 6, 1945, Serial No. 586,875
3 Claims. (Cl. 81—39)

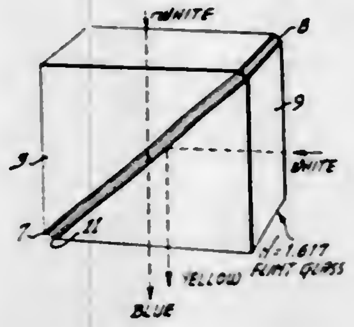


1. A holder for gripping a sleeve internally and externally comprising a pair of levers hinged together for relative swinging in a separative direction on one side of the pivot and toward each other on the other side of said pivot, a pair of opposed relatively separable internal gripping members on said levers on the first mentioned side of said pivot adapted to be inserted in the sleeve and to be separated by separation of said levers on the first mentioned side of the pivot, an external gripping contractile member on said levers surrounding the pair of members for receiving the sleeve therein and connected to said levers on the second mentioned side of the pivot for contraction by movement of said levers toward each other on the second mentioned side of said pivot.

2,418,627
COLOR SELECTIVE PRISM

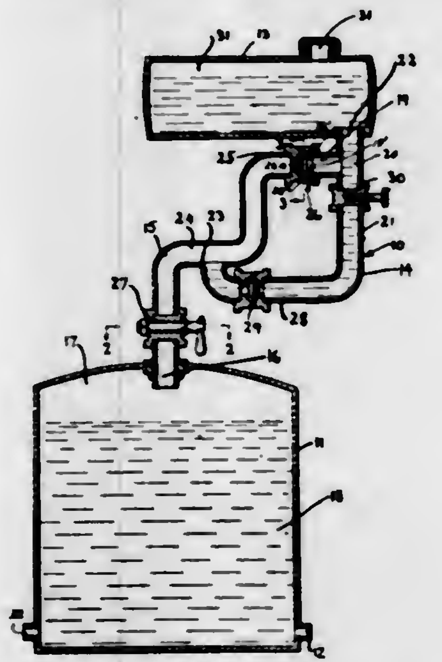
Glenn L. Dimmick, Indianapolis, Ind., assignor to Radio Corporation of America, a corporation of Delaware
Application September 30, 1943, Serial No. 504,365
10 Claims. (Cl. 88—1)

1. A color selective optical device for transmitting light of one color and reflecting light of a different color, comprising a pair of prisms having their hypotenuse surfaces adjacent and parallel, a plurality of thin transparent selectively reflecting coatings disposed upon each of said surfaces, said coatings each comprising alternate layers of zinc sulphide and thorium oxyfluoride having a thickness measured in terms of fractional wavelengths of the transmitted light, said layers of zinc sulphide having an index of refraction substantially higher than that of said prisms, and a layer of transparent optical cement separating said coated surfaces a distance within the range of several wavelengths of light as determined by maximum and minimum conditions such that objectionable double images occur beyond the maximum condition and color fringes occur below the minimum condition, said device being characterized by richness of color and negligible absorption of light.



2,418,628
CHLORINATING APPARATUS

Paul Raymond Dodd, Maryville, Tenn., assignor of fifty per cent to I. D. Kenner, Mooresburg, Tenn.
Application December 13, 1944, Serial No. 567,982
4 Claims. (Cl. 210—28)



1. A water purifying apparatus consisting of a water tank, a chlorine tank located above the water tank, a pipeline connecting said tanks, means whereby compressed air is directed from the water tank to the upper tank and chlorine from the upper tank to the water tank partially through the same pipeline and at the same time, said means including another pipeline connected to the first line at two diverging points, and check valves in said lines operating in opposite directions, and a needle valve in the second line and a cut-off valve in the first line.

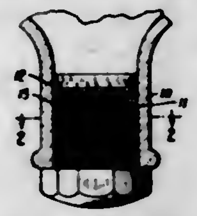
2,418,629
AROMATIC HYDROCARBONS AND THEIR HALOGEN DERIVATIVES AS ANTIFOGGANTS

George E. Fallesen, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application January 13, 1944, Serial No. 518,120
19 Claims. (Cl. 95—7)

1. A gelatino-silver halide emulsion containing a fog-inhibiting amount of a non-waxy aromatic hydrocarbon of the benzene series having a substituent selected from the class consisting of halogen atoms, an unsubstituted phenyl radical, unsubstituted lower alkyl radicals, and halogen substituted lower alkyl radicals, said hydrocarbon being free from other substituent groups.

2,418,630
BOTTLE CLOSURE

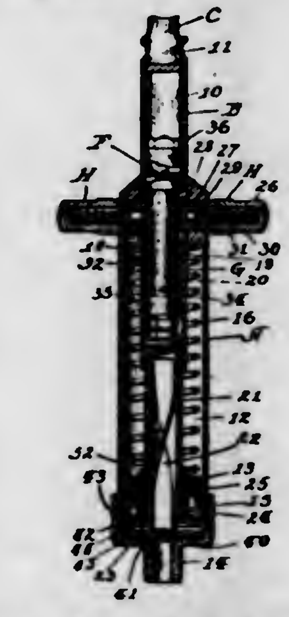
Mario Febbraro, Union City, N. J.
Application January 1, 1944, Serial No. 516,643
3 Claims. (Cl. 215—47)



2. The combination of a beverage container and a sediment-entrapping member therein, said member having a plurality of relatively restricted blind bores in communication with the inside of the container, the diameter of said bores being in the neighborhood of .075 of an inch whereby when the container is disposed with the openings of the bores facing upwardly, the bores receive and retain sediment settling out of beverage contained in said container.

2,418,631
UNDERWATER TORCH LIGHTER

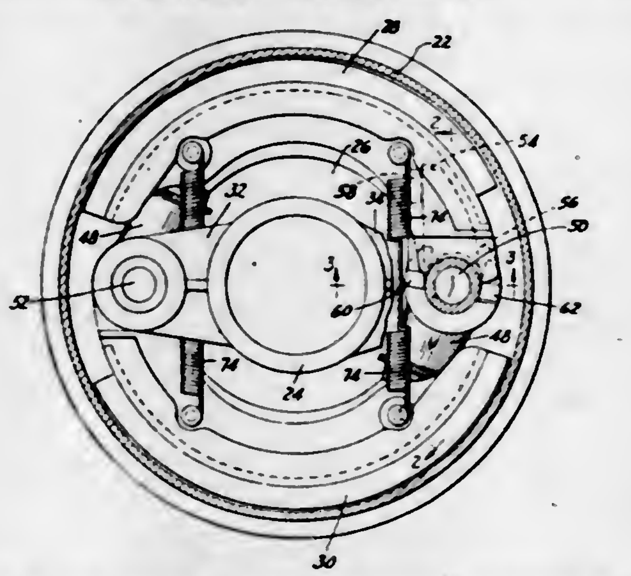
David F. Geiger, Los Angeles, Calif., assignor of one-half to Glenn C. True, Long Beach, Calif.
Application November 8, 1943, Serial No. 509,532
4 Claims. (Cl. 67—20.1)



2. A subaqueous torch lighter, comprising, a normally closed cylindrical casing having an ingress duct for propelling fluid under pressure exceeding the pressure of the water in which said cylindrical casing is submerged and a valved egress duct, torch lighting spark generating means in said cylindrical casing to be actuated by the release of pressure of said fluid through the opening of said valved egress duct, said cylindrical casing having an orifice in proximity to said spark generating means and entering the water in which said cylindrical casing is submerged, and said spark generating means having a valve normally closing said orifice and opened automatically by the actuated movement of the spark generating means to simultaneously release a stream of said fluid accompanied by said igniting sparks into the water in which said cylindrical casing is submerged.

2,418,632
BRAKE

Rudolph A. Goepfrich, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application December 1, 1943, Serial No. 512,429
12 Claims. (Cl. 188—78)



1. For use in a brake assembly having a rotatable drum, in combination, a non-rotatable support member having a pair of aligned substantially radially extending projections spaced axially from one another, an axially extending anchor supported between said projections, a shoe contacting said anchor between said projections and adapted to transmit braking torque to the anchor while in frictional contact with the drum, and mechanical applying means for moving said shoe into contact with the drum including an axially extending shaft supported by said projections and means for transmitting force from the shaft to the shoe in a plane passing through the axial center of the shoe.

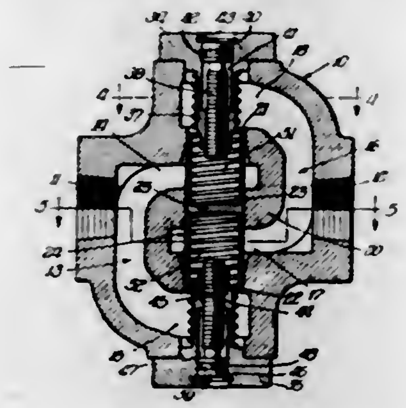
2,418,633
TREATMENT OF UNSATURATED ALKYD RESINS WITH A MONOHYDRIC ALCOHOL

Charles Gould, Plainfield, N. J., assignor to Marco Chemicals Inc., Sewaren, N. J., a corporation of New Jersey
No Drawing. Application January 29, 1944, Serial No. 520,319
23 Claims. (Cl. 260—22)

1. A method of treating a polymerizable unsaturated alkyd resin having an acid number below about 150 which comprises heating such resin with normal propyl alcohol in an amount and for a time sufficient to effect a reaction between the resin and the alcohol and to introduce into the resin in excess of 0.02 but not more than about 0.75 mol of alcohol per mol of unsaturated dibasic acid used in forming the alkyd, and reacting the propylized alkyd with acetic anhydride to esterify free hydroxyl groups.

2,418,634
SPEED CONTROL VALVE

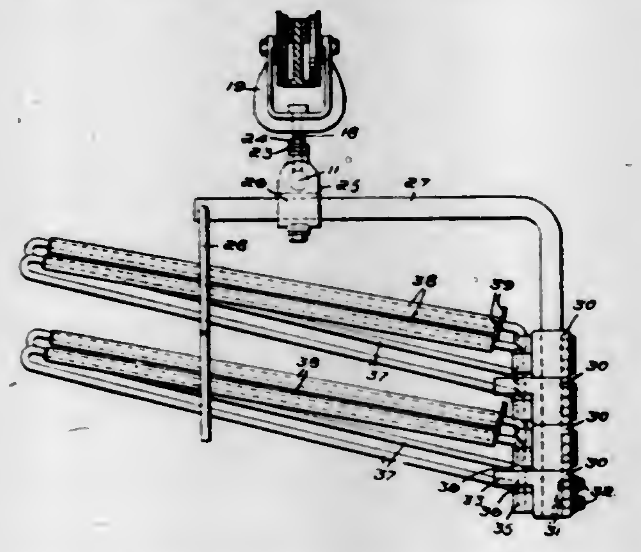
Harold C. Hallerstrom, Evanston, Ill., assignor to Hanna Engineering Works, Chicago, Ill., a corporation of Illinois
Application November 8, 1943, Serial No. 509,349
4 Claims. (Cl. 251—118)



1. A speed control valve including a housing having an opening in each end thereof, an internal partition in the housing forming a chamber on each side communicating with the end openings respectively, said partition having a plurality of aligned openings therein, a movable valve element having a sliding fit in one of said aligned openings and being supported thereby for reciprocating movement, each end of the valve element being adapted to extend into one of the other of the aligned openings to close the same, resilient means yieldingly maintaining said valve element in neutral position with said other openings closed, and a stop member at each end of the valve element for limiting axial movement of the valve element in either direction.

2,418,635
MULTIPLE HANGER RACK

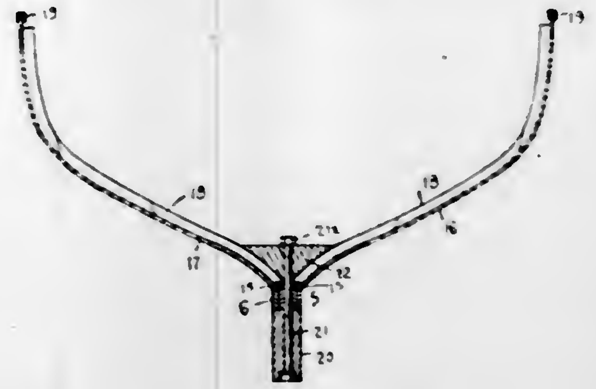
J. Herbert Hamilton, Auburn, Maine
Application January 24, 1946, Serial No. 643,086
5 Claims. (Cl. 211—46)



1. An improved multiple hanger rack, comprising a support, means secured thereto for mounting the same on an overhead monorail system, a pair of angle supports secured to the support and having arms spaced apart from each other, a pair of hanger supports arranged parallel to each other and secured to the lower ends of the arms of the angle supports, a plurality of parallelly arranged hanger elements pivotally mounted at their inner ends on the hanger supports, and binder rods mounted on the angle supports at each side of the plurality of hanger elements.

2,418,636
SMALL BOAT CONSTRUCTION

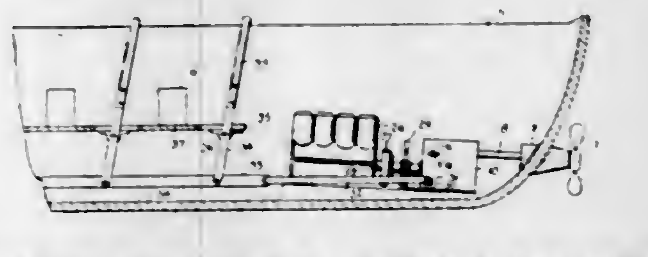
Viktor Harasty, Whitestone, N. Y.
Application December 7, 1944, Serial No. 567,023
1 Claim. (Cl. 9—6)



A boat consisting of a laminated wood keel, the keel being composed of parallel linear wood strips bonded together by cold setting waterproof glue, the wood strips being arranged in multiple sections with biased end meeting joints, said sections having varying end angular relation to each other with each section composed of parallel wood strips, the direction of the grain in each wood strip running with its length, the bias cut meeting ends of one strip or lamina being arranged in staggered relation to the bias cut meeting ends of an adjacent strip, said keel having parallelly extending rabbet grooves on each side of and adjacent the top thereof, right and left hull sections having their inner and lower edges disposed in said grooves and bonded therein by cold setting waterproof glue, and a keel weight connected to the bottom side of the laminated keel.

2,418,637
STARTING AND MANUAL PROPELLING SYSTEM FOR LIFEBOATS

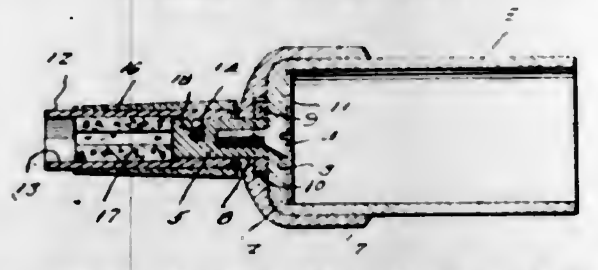
Viktor Harasty, Whitestone, N. Y.
Application December 7, 1944, Serial No. 567,024
1 Claim. (Cl. 115—24)



A life boat comprising a hull having a propeller shaft mounted for rotation thereon, a screw propeller fastened to the end of said shaft, an internal combustion engine in said hull, driving mechanism including shiftable transmission gears on said propeller shaft and a second shaft having gears for selective meshing with said shiftable transmission gears connecting the engine and propeller shaft, a clutch for controlling engagement of said second shaft with said engine, a starting pinion having driving engagement with said second shaft, an overrunning clutch having driving connection with said pinion, an eccentric pin having driving connection with the overrunning clutch, a pitman pivotally connected with said eccentric pin, a beam pivotally connected with said pitman, and a series of manually operable levers pivotally mounted within the hull and having pivotal engagement with said beam, whereby the engine may be started or the propeller shaft may be manually rotated to propel the life boat.

2,418,638
FINGER OPERATED ROTATABLE TOOL

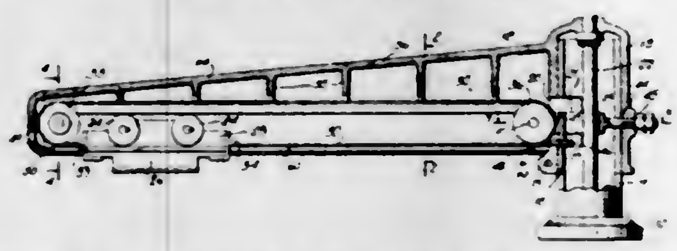
Daniel B. Hoover, Meadville, Pa.
Application June 22, 1944, Serial No. 541,496
1 Claim. (Cl. 81—121)



In a device of the class described, a hollow casing having a closed front end and adapted to be sleeved onto the forefinger of one hand of the user, a cap rotatable on said closed front end for manipulation rotatably by the thumb and second finger of the hand while the casing is sleeved onto the forefinger, a shaft passing through the center of the cap and connected thereto for rotation therewith, means for rotatably connecting the shaft and cap with the closed end of the casing, and a rotatable tool on one end of the shaft, said means comprising a screw threaded into the other end of said shaft with a head rotatable in said closed front end of the casing, and a knurled disk-like member fast on said shaft and recessed into said cap in interlocking engagement therewith to prevent said shaft from working loose on said screw.

2,418,639
ARM FOR WOODWORKING MACHINES

Alfred E. Horman, New York, N. Y.
Continuation of application Serial No. 505,107, October 6, 1943. This application June 20, 1946, Serial No. 677,953
12 Claims. (Cl. 143—6)

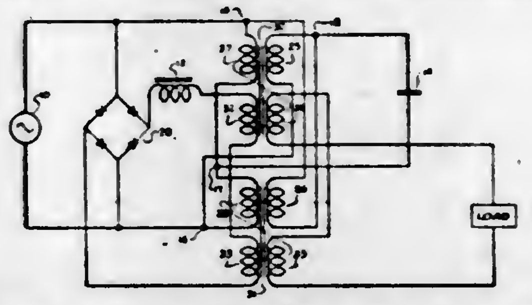


10. In a woodworking machine, the combination of a substantially horizontal hollow support having closed ends and provided in its lower wall with a slot opening therethrough, said slot having a length less than said hollow support, tool supporting means adjustable along the length of the slot and having an element thereof extending through the slot and closure means contacting the lower wall at the ends and sides of the slot and movable with said element for closing all parts of the slot not occupied by said element.

2,418,640
FREQUENCY CHANGER

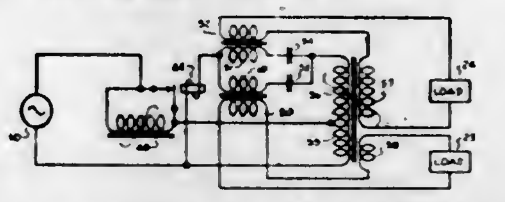
Henry M. Huge, Lorain, Ohio, assignor of one-half to Closman P. Stocker and one-half to E. M. Heavens
Application May 6, 1943, Serial No. 485,832
14 Claims. (Cl. 172—281)

5. A frequency changer comprising in combination, first and second substantially equal magnetic core means, first, second, third, and fourth substantially equal winding means, said first and third winding means being on said first core means, said second and fourth winding means being on said second core means, said winding means being connected in series with each other in numerical order in a closed loop, the first winding means being connected to the fourth and the second, the third winding means being connected to the second and the fourth, a capacitor, said capacitor being connected from the junction between the first and second winding means to the junction between the third and fourth winding means, circuit means adapted to supply both alternating current and direct current to said winding means, said circuit means being connected on one side to the junction between the fourth and the first winding means, and on the other side to the junction between the second and the third winding means, said frequency changer being adapted to supply a load substantially in parallel with said capacitor with voltage of a frequency which is an even subharmonic of the frequency of the alternating current supplied to said winding means.



2,418,641
FREQUENCY CHANGER

Henry M. Huge, Lorain, Ohio, assignor of one-half to Closman P. Stocker and one-half to E. M. Heavens
Application May 6, 1943, Serial No. 485,833
22 Claims. (Cl. 172—281)



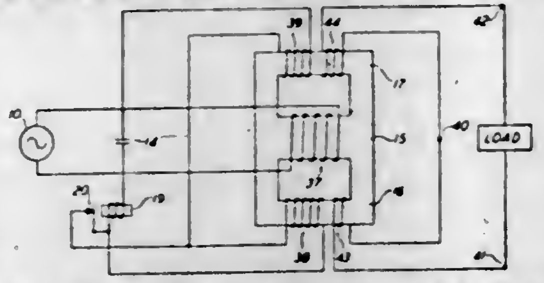
1. A frequency changer adapted to be energized by a source of alternating current, comprising in combination, a plurality of saturable inductances connected in a substantially balanced combination having a pair of input terminals and a pair of output terminals, coupling between said input terminals and said output terminals varying in response to instantaneous differences in saturation between different members of said plurality of saturable inductances, primary circuit means, including a first capacitor, connected to said input terminals, secondary circuit means, including a second capacitor, connected to said output terminals, and a source of direct current connected in said secondary circuit means, said frequency changer being adapted to produce across said input terminals voltage of the frequency of said source of alternating current and of an odd subharmonic of that frequency and to produce across said output terminals voltage of a frequency which is an even harmonic of said odd subharmonic.

2,418,642
FREQUENCY REDUCER

Henry Martin Huge, Lorain, Ohio, assignor of one-half to Closman P. Stocker and one-half to E. M. Heavens
Application June 5, 1944, Serial No. 538,839
7 Claims. (Cl. 172—281)

1. A frequency reducer comprising in combination a magnetic core having first, second, and third core members, the first and second core members having substantially the same magnetic characteristics, first and second substantially

equal windings respectively on said first and second core members adapted to be energized from a source of alternating current and to produce opposing fluxes in the third core member, a third winding on the third core member, a capacitor adapted to be energized from said third winding, at least a portion of the third winding being adapted to be energized from the source in series with the first winding, and starting means adapted to connect said third winding to said source of alternating current to initiate oscillations of the reduced frequency in the third winding.



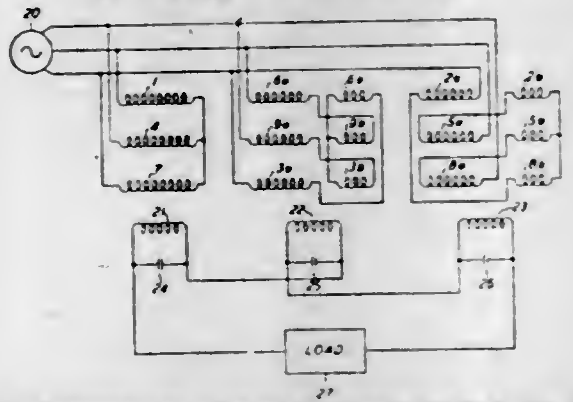
2,418,643

MAGNETIC FREQUENCY CHANGER

Henry Martin Huge, Lorain, Ohio, assignor of one-half to Closman P. Stocker and one-half to E. M. Heavens

Application June 5, 1944, Serial No. 538,840

22 Claims. (Cl. 172—281)



1. A frequency changer comprising in combination, saturable magnetic core means comprising three magnetic core sections, each section having three primary core members and one secondary core member arranged in a parallel magnetic circuit, star-connected primary winding means on the primary core members adapted to be energized by a polyphase alternating current source, the primary winding means on at least one of said core sections comprising a plurality of windings on each primary core member with each winding being connected in series with a winding on a different primary core member to magnetize the member in a displaced phase, secondary winding means on the secondary core members including an output winding on each of the three sections, said output windings being connected in series, with voltages of nine times the frequency of the source added substantially in phase, and a plurality of capacitors adapted to be energized with voltage of three times the source frequency.

2,418,644

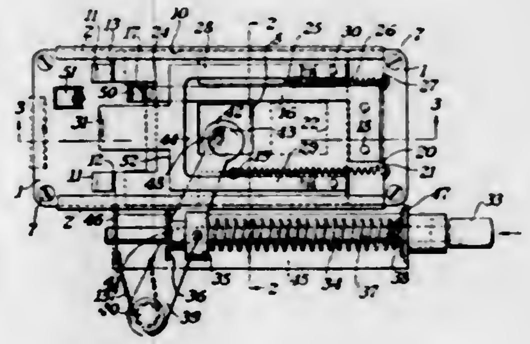
SLIDING SHUTTER FOR CAMERAS

Miller R. Hutchison, Jr., and Herbert H. Harmon, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application December 8, 1944, Serial No. 567,146

6 Claims. (Cl. 95—55)

1. A camera shutter comprising, in combination, a support, a slideway carried by the support, an exposure aperture therein, two shutter plates slidably carried by the slideway, spring means for normally holding the plates at one end of the slideway and in a normal position of rest and resisting movements of the plates toward the other end of the slideway wherein the plates are in a set position, a spring latch comprising elements carried by the shutter plates for normally holding the shutter plates together, cutout portions in each shutter plate adapted to pass the exposure aperture and normally lying out of registration when said plates are latched together, the cut out portion of one plate lying over the exposure aperture when the shutter plates are in their normal position of rest, and the cut out portion of the other plate lying over the exposure aperture when the shutter plates are in a set position prior to exposure; a shutter latch trip in the path of movement of the spring latch for holding the shutter plates together, positioned to engage and release said latch when the shutter plates are moved into a set position, a shutter trigger including a swingable lever for moving the latched shutter plates into their set position, a second latch having elements, one on a shutter plate and the other on the swingable lever through which second latch said shutter plates may be moved to their set position, and means for releasing the second latch after the first latch has been released and a shutter plate has moved to its position of rest in the slideway comprising a latch-releasing member carried by the first moving shutter plate for releasing the latch element of the swingable lever whereby the second shutter plate may move to its position of rest in said guideway in which the two shutter plates may be again latched together.



2,418,645

DEHYDRATED BUTTER

Jakob L. Jakobsen, Minneapolis, Minn., assignor to General Mills, Inc., a corporation of Delaware

No Drawing. Application December 14, 1942, Serial No. 468,981

6 Claims. (Cl. 99—121)

6. A dehydrated butter product containing the normal constituents of butter in their normal relative proportions, with the exception of water, the water content being not in excess of about 5 per cent.

2,418,646

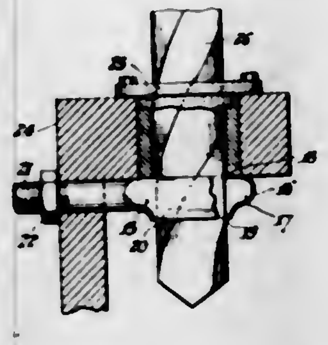
LUBRICANT-COOLANT COLLAR OR RING

Leo Paul Janson, Sharon Hill, Pa.

Application February 29, 1944, Serial No. 524,469

9 Claims. (Cl. 77—55)

1. A lubricant-coolant collar or ring comprising a circlet having a channel about the inner circumference thereof as the only liquid passageway, an annular lip protruding from the lower end of the circlet, and a nipple on the circlet and communicating directly with the channel.



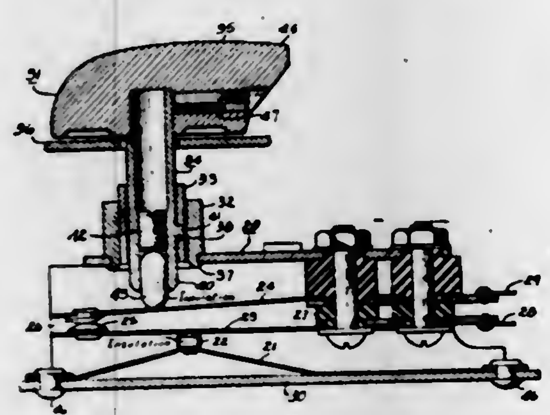
2,418,647

THERMOSTATIC SWITCH

Richard H. Jordan, Mansfield, Ohio, assignor to Dominion Electrical Manufacturing, Inc., a corporation of Ohio

Application May 19, 1944, Serial No. 536,287

4 Claims. (Cl. 200—137)



1. A thermostatic switch comprising, first and second relatively movable contact parts normally resiliently disposed to separate from each other, temperature responsive means to urge said first contact part against said second contact part, substantially annular cam means supported relative to said contact parts, a control stem manually rotatable and axially movable within said cam means to position said second contact part in contactable relation with said first contact part, said cam means having a regulating "on" portion disposed at a slight angle with reference to a line normal to the longitudinal axis of the stem, said cam means having a relieved "off" portion disposed at a steep angle with reference to a line normal to othe axis of the stem, projecting means carried by said stem to cooperate with said cam means, said second contact part urging said stem axially of said cam means and holding said projecting means against said regulating "on" portion of the cam means when the stem is rotated to bring the said projecting means in alignment with the regulating "on" portion whereby turning of the stem regulates the position of the second contact part with respect to the first contact part, said stem thereby holding said second contact part in contactable relation with said first contact part, said second contact part suddenly urging said stem axially of the cam means when the stem is rotated to bring the projecting means in alignment with the relieved "off" portion of the cam means, said second contact part thereby resiliently moving away from contactable relation with said first contact part.

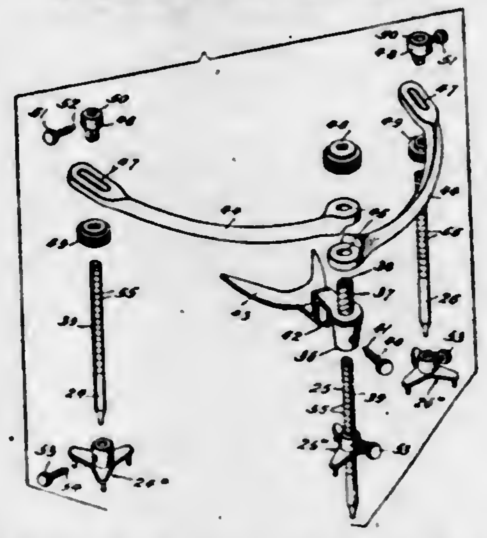
2,418,648

METHOD AND APPARATUS FOR PRODUCING ARTIFICIAL DENTURES

Clifford S. Kile, Hutchinson, Kans.

Application October 13, 1943, Serial No. 506,099

9 Claims. (Cl. 32—19)



3. An apparatus for recording human jaw movements, comprising a record-forming member, a recording pin cooperable with said record-forming member to convert the same into a record, means for rigidly connecting said record-forming member with one bite plate and disposing said member externally of the patient's mouth, means for rigidly connecting said pin with a complementary bite plate and disposing said pin externally of the mouth, a shiftably mounted record-marking device slidably but nonrotatably mounted on said pin and shiftable from a normally idle position to a predetermined operative position for marking the record to record the relation of said record with the bite plates, and means for securing said record-marking device against sliding movement on said pin when in an adjusted position.

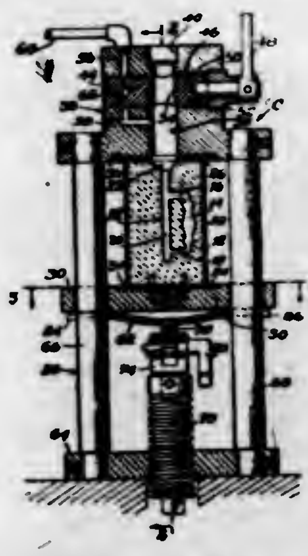
2,418,649

PRESSURE CASTING MACHINE

Benjamin L. Levinson, Great Neck, N. Y., assignor, by mesne assignments, to Solar Aircraft Company, San Diego, Calif., a corporation of California

Application February 21, 1944, Serial No. 523,234

1 Claim. (Cl. 22—57)

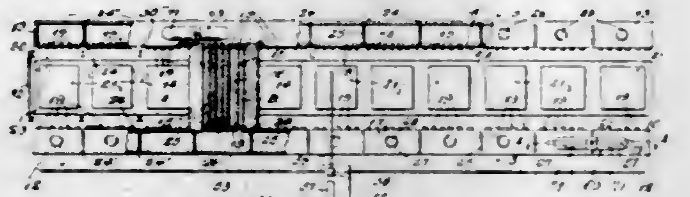


A pressure casting machine comprising a support for receiving and sealing a mold, said support including a stand, a seat for the mold bottom movable vertically in said stand, and a head for the mold top fixed to said stand, means for moving said seat for removably receiving said mold, the means for moving said seat comprising a threaded post vertically adjustable in said stand, a cam holder rotatably adjustable in said post, an operating cam in said holder, a spring member between said seat and said cam and means for operating the cam.

2,418,650

METHOD OF DRYING, PREHEATING, BURNING, AND COOLING CERAMICWARE

Frank C. Mackey, Laurel, Md.
Application July 23, 1945, Serial No. 606,589
6 Claims. (Cl. 25—157)

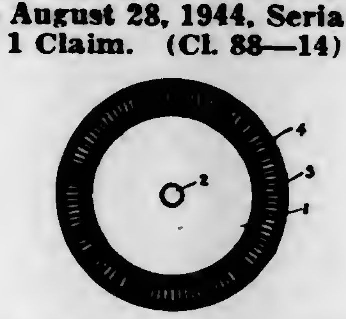


1. The method of drying, preheating, burning and cooling ceramic ware wherein a plurality of kilns are provided comprising the steps of stacking green ware on the pallet of one of said kilns, placing a hood over said ware and a similar hood over an empty pallet of another kiln, developing heat in said last named hood, withdrawing said heat and discharging it into said first named kiln, for drying of said ware over a period of time, increasing the heat in said second named hood for preheating said ware, placing green ware on the pallet of a third kiln and positioning a hood thereover, discontinuing the supply of heat to said first named kiln, reducing the heat of the second named burner hood and diverting the heat to said third named kiln for drying of ware within the hood of the third kiln, igniting the burners of the first named hood for burning of the ware and thereafter extinguishing said burners, withdrawing the heat from said first named kiln for discharge into the third named kiln for pre-heating of the ware and cooling of ware in the first named kiln, and thereafter removing said burner hood for disposition over ware of a further kiln, igniting the burner of said third named hood for burning of the ware, and removing the burner hood of the third kiln for disposition over green ware disposed upon a still further kiln, said steps being repeated throughout the plurality of kilns.

2,418,651

OPTICAL DEVICE FOR INDICATING CORRECT OPERATING SPEED OF PHONOGRAPH TURNTABLES

Milton R. Mausshardt, Piedmont, Calif.
Application August 28, 1944, Serial No. 551,565
1 Claim. (Cl. 88—14)

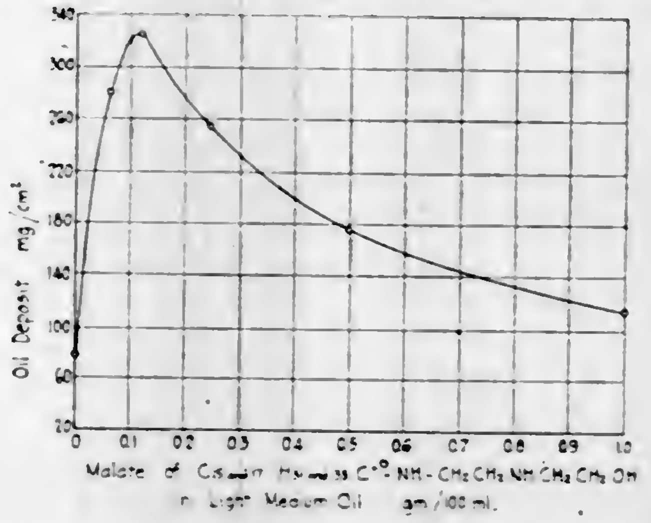


A speed indicator of the character described comprising a circular disk-like body having a central opening therein so positioned to coincide with the central opening of a disk containing a sound track, and an adhesive on the underside of said body, the top surface of said body having a circular band of dark color thereon concentric with said opening, said band being interrupted by a circular series of radially disposed bars of a lighter contrasting color, the length of the respective bars being less than the width of said band, so that during rotation of said disk at a predetermined minimum speed, said bars will assume the appearance of a lighter colored band superimposed upon and contrasting with said darker band.

2,418,652

INSECTICIDAL COMPOSITIONS

Kenneth E. Maxwell, Martinez, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application May 28, 1942, Serial No. 445,106
6 Claims. (Cl. 167—43)

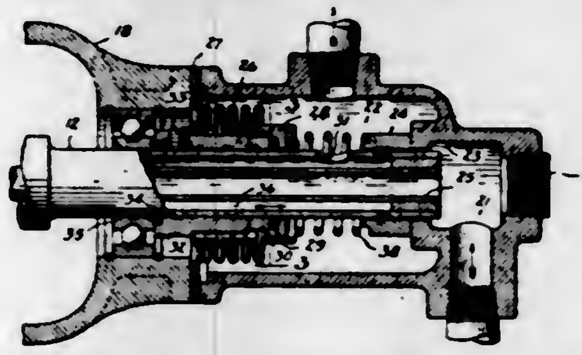


4. An insecticidal composition essentially comprising a mineral oil, and insecticidal toxicant, and between about 0.01% and about 1.0% (by weight of the oil) of the malate of the condensation product of ethanol ethylene diamine and a mixture of stearic and palmitic acids, said composition being capable of forming an unstable emulsion with water.

2,418,653

FLUID SUPPLY AND REMOVAL CONNECTION FOR THREAD-ADVANCING REELS

Alex A. McCormack, Fairview, Ohio, assignor to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware
Application August 28, 1944, Serial No. 551,463
9 Claims. (Cl. 34—153)

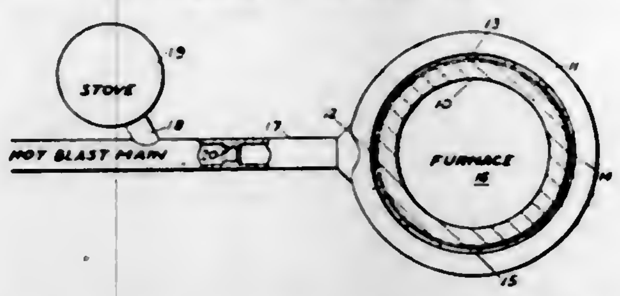


1. In combination with a thread-processing apparatus having a reel adapted to advance thread over its periphery in a helical manner, a stationary supporting frame member for said reel, a seal housing having a heating fluid inlet and an outlet chamber attached to one end of said frame member, a sealing flange in said housing separating said inlet from said outlet chamber, a rotating shaft journaled in said frame member and projecting therethrough and into said seal housing, said shaft having heating fluid inlet and outlet means within said seal housing communicating with said inlet and outlet chambers, a fixed seal about said shaft and within said seal housing for preventing the escape of heating fluid from said housing, and a collar around said shaft, said fixed seal having one end secured to said collar.

2,418,654

METALLURGICAL APPARATUS

Harry E. McDonnell, Steubenville, Ohio
Application December 7, 1943, Serial No. 513,271
5 Claims. (Cl. 263—19)



1. In a blast furnace having a plurality of tuyères, a horizontally disposed bustle pipe connected therewith, a stove for supplying a stream of hot gas, and a source for supplying a stream of cold gas, the combination comprising a hot blast main adjacent the stove connected at one end with the bustle pipe and connected at a point removed therefrom with the source of cold gas, a stove connection on the side of the hot blast main at a point between the cold gas connection and the bustle pipe connection, a conduit between the stove and the stove connection on the hot blast main for conducting the stream of hot gas from the stove into the hot blast main, internal wall surfaces of refractory material in the hot blast main and the conduit, and a restriction formed by said surfaces in the hot blast main between the bustle pipe connection and the stove connection for mixing the streams of hot and cold gas in the hot blast main.

2,418,655

RECOVERING VALUES FROM VEGETABLE TANNED LEATHER

Joseph Michelman, Portsmouth, Ohio
No Drawing. Application June 20, 1945,
Serial No. 600,652
8 Claims. (Cl. 260—210)

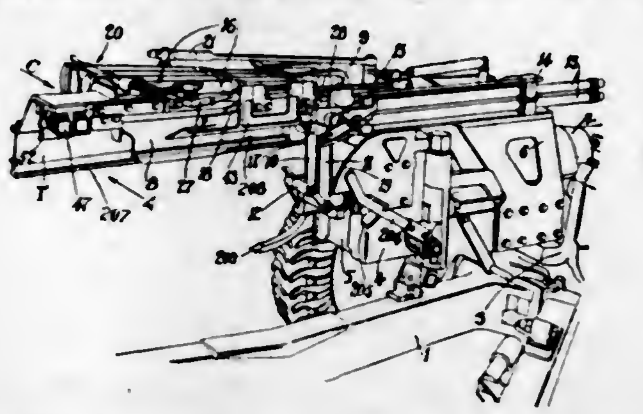
1. The method of obtaining useful values from vegetable tanned leather, which method comprises subjecting said leather when it is in a comminuted form to differential hydrolysis in alkaline solution with exclusion of air to substantially completely hydrolyze the hide substance of the leather with a minimum effect on the tanning agents in the leather, and then, by means of a lower alcohol selectively extracting the products resulting from hydrolysis of the hide substance from the tanning matter and its derivatives.

2,418,656

GUN RECOIL-OPERATED AMMUNITION FEEDING MECHANISM

Desmond Walter Molins and Félix Frédéric Ruau, London, England, assignors to Molins Machine Company Limited, Deptford, London, England
Application May 25, 1943, Serial No. 488,454
In Great Britain April 13, 1942
16 Claims. (Cl. 89—33)

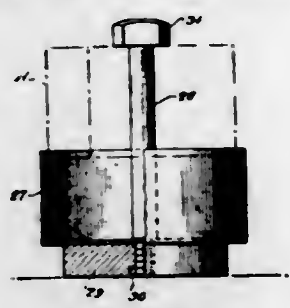
1. A gun of the kind described having a chamber-face and comprising an ammunition feeding station which is located aside the gun and behind the chamber-face and beside which feeding station the gun moves during recoil and counterrecoil, said station comprising means for holding the base of a round while the round is swung about its base to present its nose to the breech of the gun, a rammer having a position for the start of the ramming stroke behind the base of a round located in said station, means carried by said rammer to engage said base and convey it from said station toward the gun, said rammer being mounted for nonrectilinear movement in the first part of its ramming stroke to bring said base into alignment with the gun axis and for rectilinear movement thereafter to complete its ramming stroke, resilient means for operating the rammer on its ramming stroke, said rammer being returned to the position for the start of the ramming stroke by the recoil of the gun.



2,418,657

APPARATUS FOR COVERING RAYON PACKAGES

Adrian J. L. Moritz, Enka, N. C., assignor to American Enka Corporation, Enka, N. C., a corporation of Delaware
Application June 5, 1944, Serial No. 538,841
1 Claim. (Cl. 226—56)

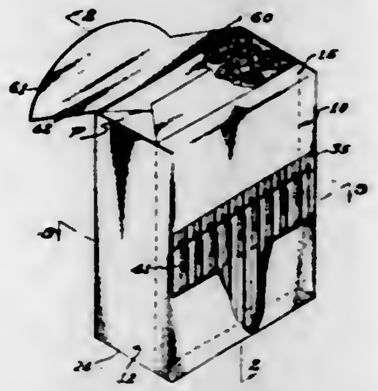


An apparatus for covering a rayon cake with a tubular sleeve which comprises a stationary pan provided with a flat bottom and a cylindrical side wall having a circumference slightly greater than a cake of rayon, said side-wall being free of obstructions to thereby receive a tubular sleeve thereover and a rayon cake therein, a base member for supporting the pan, a rigid pedestal fixedly mounted concentrically of the pan and anchored in the base member, said pedestal extending vertically a distance greater than the height of said wall, means on the upper end of the pedestal for loosely retaining one end of the sleeve in a gathered condition whereby when the other end of the sleeve is expanded over the wall of the pan and a cake is deposited over the pedestal retaining the gathered portion and inserted in the pan, the expanded portion of the sleeve is caused to cover a substantial part of the outer surface of the cake and the gathered end is simultaneously permitted to unfold and move downwardly whereupon the remainder of the cake surface can be covered by spreading the upper portion outwardly over the wall of the pan.

2,418,658

COMBINED CIGARETTE PACKAGE HOLDER AND MATCH RECEPTACLE

Jack B. Nethercutt, Santa Monica, Calif.
Application August 5, 1944, Serial No. 548,283
4 Claims. (Cl. 206—48)

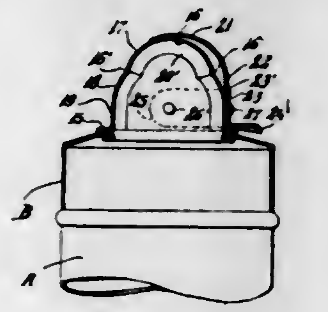


2. A case of the character described including, an open top container for a package of cigarettes, the length of the container being limited to receive only one package of cigarettes, a receptacle for matches having an access opening intermediate its ends, the receptacle and container being of the same width and of the same length and being divided by a single longitudinally disposed sheet of material forming a partition, and a closure for the container entirely independent of the receptacle, the access opening being located substantially midway between the ends of the case and being disposed transversely of the case so matches are removable only from the side of the case, cigarettes when in the case being removable only from the top of the case.

2,418,659

TWO-PIECE SELF-CLOSING CLOSURE DEVICE

Robert Nyden, Manhasset, N. Y.
Continuation of application Serial No. 308,900, December 13, 1939. This application July 21, 1942, Serial No. 451,740
14 Claims. (Cl. 222—498)



1. A container closure comprising a head shell provided with an outlet orifice and an outer arcuate surface extending above said orifice, a closure member of resilient material and having a portion conforming to said arcuate surface, arms extending radially inward from opposite side edges of said member and pivotally engaging on opposite sides of said shell, said pivotal engagement of the arms with the shell being positioned relative to said arcuate surface to tend to move the closure member during opening movement in an arc having a longer radius than said arcuate surface whereby the closure member is caused to cooperate with said arcuate surface and subject said closure member to a tensioning stress reacting to impart return movement to the closure member to its normal closed position.

2,418,660

MANUFACTURE OF REGENERATED CELLULOSE STRUCTURES

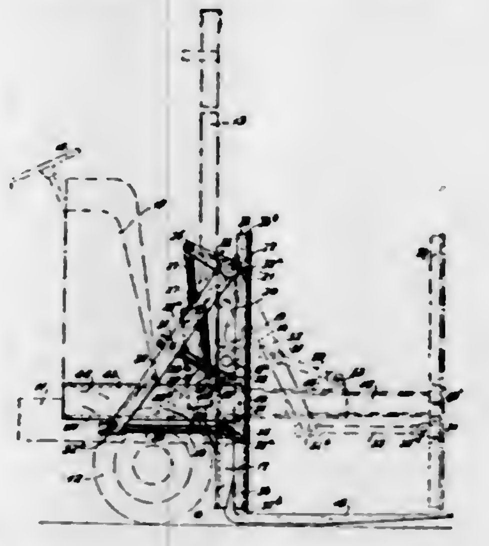
Marion Thomas O'Shaughnessy, Jr., Bethesda, Md., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 24, 1943, Serial No. 484,491
6 Claims. (Cl. 18—57)

1. In the manufacture of regenerated cellulose structures by the viscose process wherein the regenerated cellulose structure while in the gel state is desulfured with a desulfuring agent selected from the class which consists of sodium sulfide, potassium sulfide, ammonium sulfide, alkaline earth metal sulfide, sodium sulfite, potassium sulfite, sodium thiosulfate and potassium thiosulfate and thereafter washed and bleached, the step which comprises treating the regenerated cellulose structure subsequent to the washing after desulfuring and prior to bleaching with a mineral acid of a concentration of from 0.05% to 1.0% and at a temperature of from 80° C. to 100° C. to remove a substantial amount of the sulfide sulfur from the structure.

2,418,661

INDUSTRIAL TRUCK

Dwight M. Palm, Cleveland Heights, Ohio, assignor to Towmotor Corporation, Cleveland, Ohio, a corporation of Ohio
Application January 19, 1946, Serial No. 642,223
16 Claims. (Cl. 214—113)



1. In an industrial truck having a frame, a mast and a carriage supported for vertical movements by and along said mast; a load pushing member supported by and movable with said carriage and means for moving the same forwardly and rearwardly with respect to said carriage, said means comprising pusher bars pivotally connected at their front ends to opposite side portions of said load-pushing member, power operated means also supported by said carriage and pivotally connected to the rear ends of said pusher bars, for moving the latter simultaneously forwardly and rearwardly, supporting members connected to opposite side portions of said load pushing member and movable therewith, means mounted on the carriage and slidably restraining the said supporting members against vertical movement during the movements of the load pushing member toward and from the carriage by said pusher bars, and a load support secured to and extending forwardly from said carriage beneath the bottom of said load pushing member.

2,418,662

WITHDRAWN

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WITHDRAWN

2,418,664

HAIR TREATING CREAM

Harry R. Ramsey, St. Louis, Mo.
No Drawing. Application June 10, 1946, Serial No. 675,839
3 Claims. (Cl. 167—87.1)

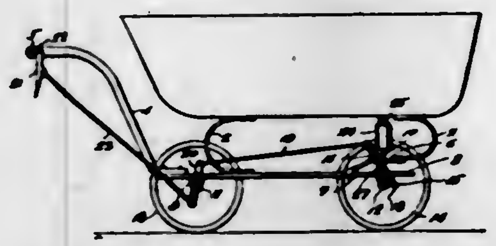
1. A hair treating paste adapted for operation at room temperature and comprising:

	Per cent by weight
Emulsifier containing approximately 90% polyglycol monostearate and approximately 10% stearyl amide	21.34
Sodium hydroxide	.88
Thioglycolic acid (38% aq. soln.)	13.04
Ammonia (26% aq. soln.)	1.85
Ammonium sulphite	1.00
Sodium lauryl sulphate	.03
Water	61.86

2,418,665

BABY CARRIAGE

Charles Rizzuto, Brooklyn, N. Y.
Application November 5, 1945, Serial No. 626,670
2 Claims. (Cl. 280—29)



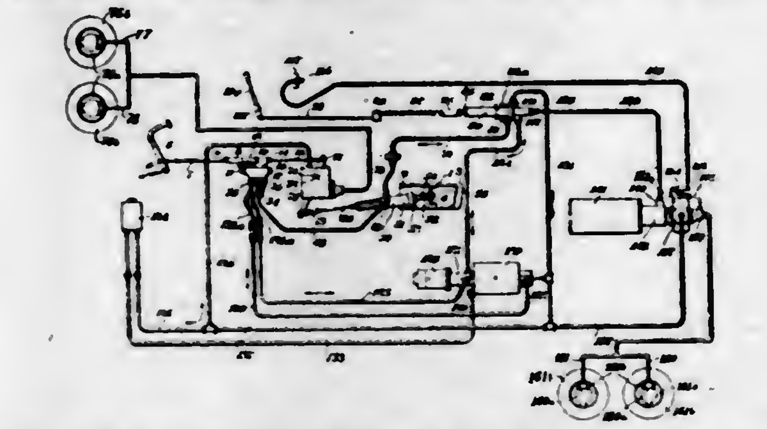
2. In a baby carriage, a frame having side bars, auxiliary bars pivoted to the side bars for vertical swinging movement, a rear axle carried by said side bars, a front axle carried by said auxiliary bars, wheels carried by the front and rear axles, a rod over the front axle carried by the side bars, a latch pivotally suspended from said rod for engaging under the front axle and supporting the front axle in its normal position, means for moving said latch to a position for releasing the front axle and allowing downward movement of the front wheels, and a dash pot for yieldably resisting return of the front axle and wheels thereon to the normal position.

2,418,666

POWER UNIT SYSTEM FOR APPLYING BRAKES

Edward A. Rockwell, West Hartford, Conn.
Original application November 25, 1938, Serial No. 242,255, now Patent No. 2,244,317, dated June 3, 1941. Divided and this application May 7, 1941, Serial No. 392,216
32 Claims. (Cl. 188—152)

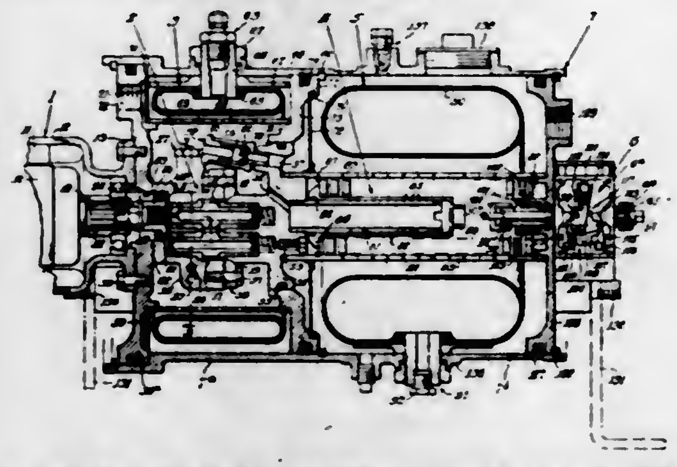
1. In combination, a spring device, an accessory operating connection adapted to be brought into action thereby, hydraulic means for retracting said spring, fluid means interposed between the spring device and the accessory operating connection for conveying the spring action to said accessory operating connection, and a manually actuated by-pass for relieving the fluid conveyed to the accessory operating connection upon the failure of said hydraulic means.



2,418,667

PACKAGED POWER ACCUMULATOR

Edward A. Rockwell, Cleveland, Ohio, assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application April 7, 1944, Serial No. 530,079
19 Claims. (Cl. 103—25)



1. In a hydraulic pressure fluid accumulator, means defining a housing including a generally tubular shaped elongated main body and closure means for the terminals of said tubular body, an endless tube of anchor-ring shape having a closed internal annular surface and a continuous exterior surface, said tube received within said housing with the radial outer periphery thereof adapted to engage the inner circumference of said tubular main body, valve means extending through said tubular wall for introducing super-atmospheric pressure into said tube, means for introducing hydraulic fluid under super-atmospheric pressure into contact with the outer periphery of said toroidal tube within said housing, and a cylindrical perforate wall extending axially through said toroidal tube for limiting radially inward flexing of the tube.

2,418,668

IMPROVEMENT IN WINTER VEGETABLE OILS

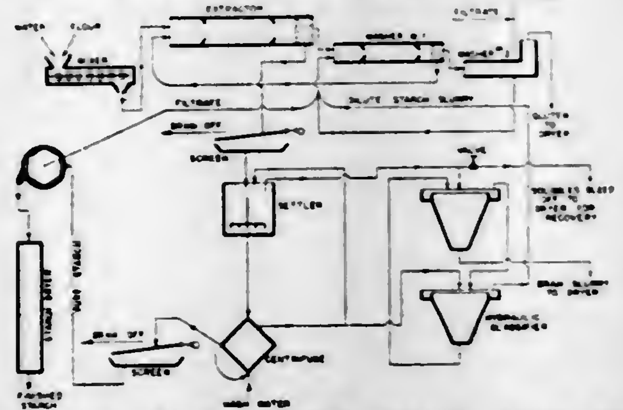
Harvey D. Royce, Savannah, Ga., assignor to The Southern Cotton Oil Company, Savannah, Ga., a corporation of New Jersey
No Drawing. Application March 30, 1943, Serial No. 481,135
3 Claims. (Cl. 99—123)

1. A winter vegetable oil, characterized by substantial stability against resistance to clouding and stearin separation, having colloidally dispersed therein a small percentage of aluminum tristearate adequate to enable the oil to withstand a cold test of at least 24 hours.

2,418,669
WHEAT STARCH PROCESS

Richard H. Schilling, Minneapolis, Minn., assignor to General Mills, Inc., a corporation of Delaware

Application August 4, 1943, Serial No. 497,407
3 Claims. (Cl. 127—67)

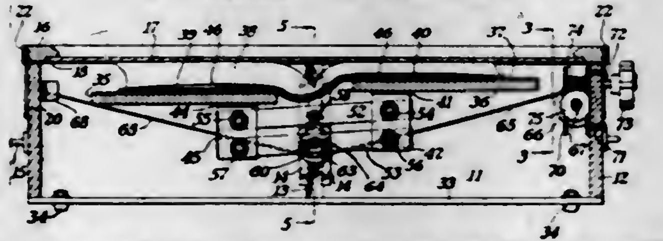


3. Process of separating starch from gluten in a wheat product which comprises forming a dough containing starch, gluten and water, working the dough with water to form a mixture of gluten and a starch slurry, separating the starch slurry from the gluten, adding to the starch slurry a water soluble metal nitrite in an amount of from 0.25 to 3.0 percent based on the combined weight of the starch and gluten from which the slurry is derived, and removing water from the starch slurry to recover starch therefrom.

2,418,670
COPYHOLDER

Alvin E. Schubert and John C. Haelen, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application February 3, 1944, Serial No. 520,892
10 Claims. (Cl. 45—86)



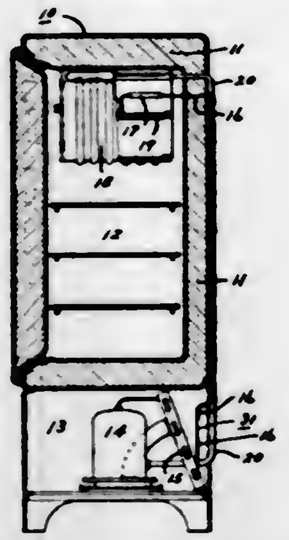
2. A copy holder comprising a casing providing a pair of opposed guideways, a platen member mounted on the top of said casing, a copy receiving assembly including a pair of copy supports, a supporting linkage operatively connected to said supports and a pair of rotatable members each attached to said linkage, a mounting means between said guideways and said supporting linkage and for guiding said copy receiving assembly within said casing, a rope member connected to said casing at opposite points higher than the bottoms of said rotatable members frictionally engaging said rotatable members, supporting said copy receiving assembly and frictionally restraining movement of said linkage and relative movement of said copy supports, and an adjustable means connected to and for varying the position of said rope member to change the position of said assembly with respect to said casing.

2,418,671
RESTRICTOR DEVICE FOR REFRIGERATING APPARATUS

Sylvester M. Schweller, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application December 26, 1944, Serial No. 569,682
2 Claims. (Cl. 62—8)

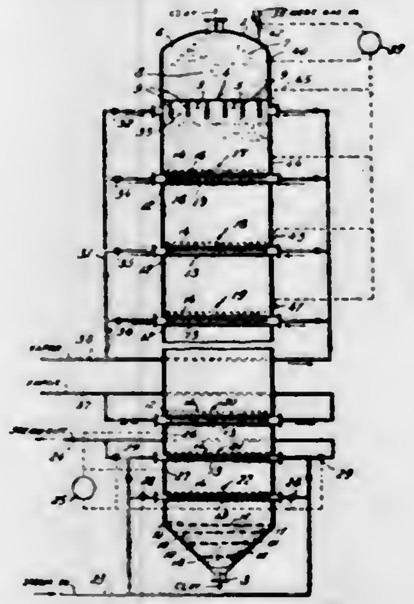
1. A refrigerating apparatus comprising, a temperature responsive refrigerant flow compensating device, a compressor unit having a condenser connected to one end of said device, a fixed restrictor connected to the other end of said device and an evaporator between said fixed restrictor and said unit, said compensating device including a metal tube member and a metal rod member secured therein, said rod member normally being slightly smaller in diameter than the inside diameter of said tube member to form a capillary passageway throughout the length of said device, the exterior of said device being in contact with air in the vicinity of said condenser and the interior of said device being in contact with high side refrigerant leaving said condenser, and one of said members of said device having a greater coefficient of expansion and contraction than the other thereof for varying the cross-sectional area of said passageway to control the amount of high side refrigerant admitted to said fixed restrictor.



2,418,672
METHOD AND APPARATUS FOR HYDROCARBON CONVERSION

Edward L. Sinclair, Philadelphia, and William A. Hagerbaumer, Brookline, Pa., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

Application May 27, 1943, Serial No. 488,780
6 Claims. (Cl. 196—52)

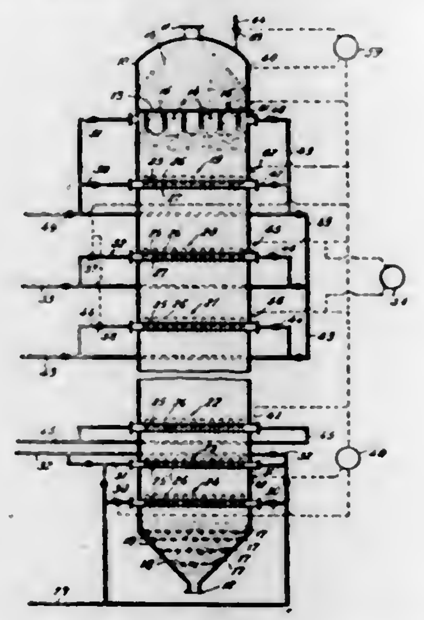


2. In a process for catalytic conversion of hydrocarbons wherein hydrocarbon reactants in the gaseous form are passed at a constant, fixed volumetric velocity through a confined reaction zone to contact a substantially continuously moving, particle-form catalyst passed through said zone in the form of a substantially compact moving column having a fixed and constant length, the method of changing the reactant space velocity without variation of the length of said column of catalyst within said reaction zone which method comprises: selectively conducting the reactant charge as a single stream through varying fractional portions of the total column length of substantially active catalyst within said zone and maintaining an inert gas atmosphere in the remaining varying unused portion of said column.

2,418,673
METHOD FOR CATALYTIC CONVERSION OF HYDROCARBONS

Edward L. Sinclair, Philadelphia, and William A. Hagerbaumer, Brookline, Pa., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

Application May 27, 1943, Serial No. 488,781
6 Claims. (Cl. 196—52)



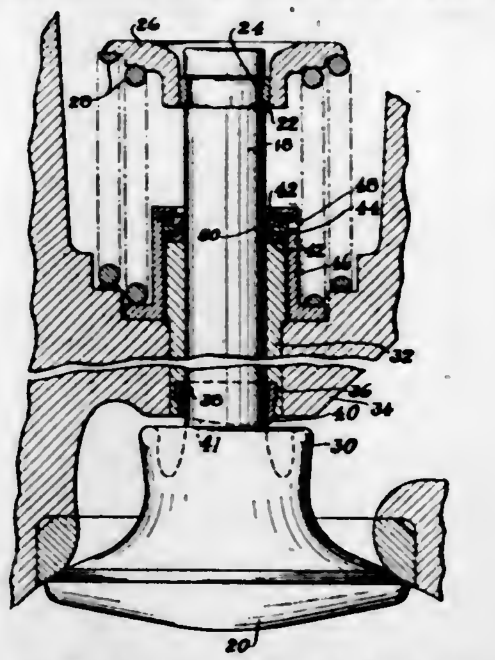
1. That method of effecting simultaneously two or more related conversions of hydrocarbons in the presence of the same moving column of particle form solid contact mass material which comprises the steps: flowing the contact mass material as a substantially compact and substantially uninterrupted downwardly moving column of substantially constant cross-section through a confined reaction zone, introducing one hydrocarbon reactant to flow through only a portion of the length of the contact mass column, introducing a second hydrocarbon reactant of different nature to flow through another portion of the column spaced apart from the portion first so used, and substantially preventing passage of either reactant into the portion utilized for the other reaction by so controlling the pressure relationship in the two portions of the contact mass column as to prevent the existence between the two portions of a pressure differential sufficient to cause flow of either reactant through the portion of the contact mass column lying between the two.

2,418,674
VALVE STEM CONSTRUCTION

Edward C. Steiner, Oklahoma City, Okla., assignor to Wright Aeronautical Corporation, a corporation of New York

Application November 6, 1943, Serial No. 509,321
6 Claims. (Cl. 123—188)

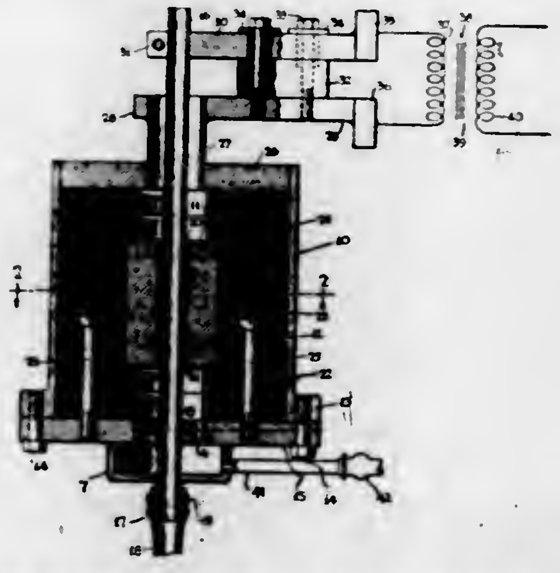
4. In combination with the cylinder head of an internal combustion engine, a valve gear rocker box carried thereby, a valve guide structure carried by said head and having a valve guide bore communicating at one end with said rocker box, an engine exhaust valve having a stem portion mounted for reciprocation within said bore with one end extending therethrough into said rocker box, a valve head at the other end of said stem portion, said valve having an annular shroud structure concentrically disposed about the valve stem and extending from the valve head toward the valve guide structure for deflecting the engine exhaust gases away from the valve stem and valve guide structure, oil seal ring means mounted for cooperation with said one end of said valve stem portion for controlling the flow of oil between said valve stem and valve guide, and an annular scraper member supported by said valve guide structure adjacent its valve head end for engagement with said valve stem.



2,418,675
INDUCTIVE HEATING UNIT COMPRISING COAXIALLY ARRANGED CONDUCTORS

Harold A. Strickland, Jr., Detroit, Mich., assignor, by mesne assignments, to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania

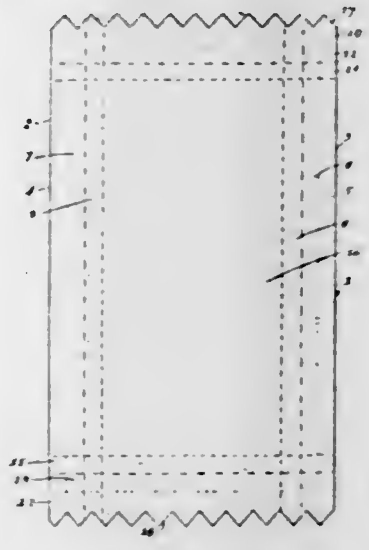
Application June 28, 1943, Serial No. 492,527
1 Claim. (Cl. 219—13)



An inductive heating unit comprising a tubular electrically conducting shell, a heating conductor extending axially through the shell to a point of attachment on the shell adjacent an end thereof forming a series connection, means for insulatingly supporting a tubular metal workpiece adjacent to, concentric with, but electrically disconnected from said conductor and shell, and terminal connectors secured to the shell and heating conductor at ends thereof opposite to the series connection.

2,418,676
TOWELLING FABRIC

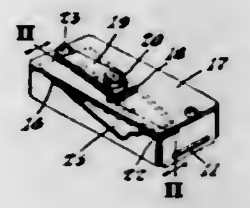
Thomas Sumner, Salt Lake City, Utah
Application June 30, 1945, Serial No. 602,479
5 Claims. (Cl. 139—383)



1. A woven towelling fabric consisting of warp and weft forming yarns, the threads adjacent the respective ends and sides being arranged to provide graduated increased strength in the towelling, the the greatest strength being adjacent all of the margins of the towelling.

2,418,677
RAZOR BLADE DISPENSING CONTAINER

Nicholas Testi, Boston, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application January 13, 1944, Serial No. 518,111
6 Claims. (Cl. 206—16)

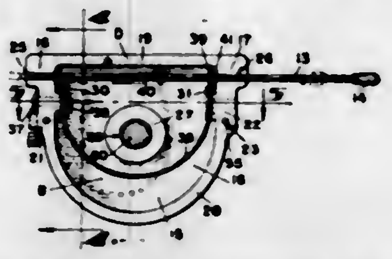


1. A blade container including walls forming an elongated enclosure having an outlet slot bounded by a fulcrum shoulder in one of its side walls, means for locating a stack of blades in superposed relation within the enclosure, and means movable into engagement with the uppermost blade in the stack for swinging that single blade about said fulcrum shoulder and into angular position projecting outwardly through said outlet slot.

2,418,678
DOUBLE UNIT ELECTRIC WEFT DETECTOR FOR LOOMS

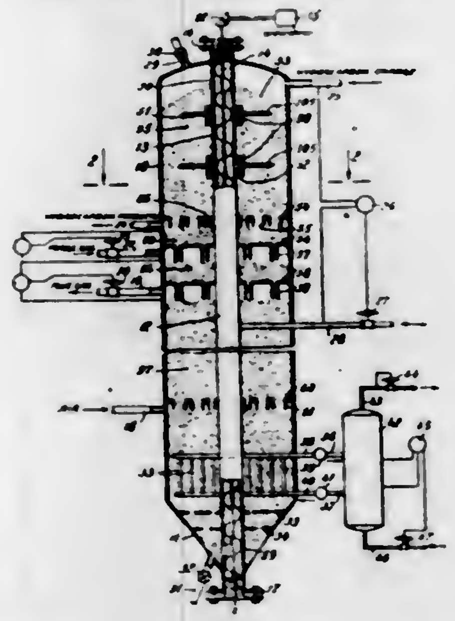
Richard G. Turner, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application March 1, 1946, Serial No. 651,072
13 Claims. (Cl. 139—273)

1. In an electric weft detector for looms, a pair of detector units each including a casing made of insulating material and having a detector finger slidable thereon and having a spring secured at one end thereof to the casing and engaging the finger at the other end thereof, said casings being identical and each being symmetrical about a central vertical plane perpendicular to the associated finger, each casing having a front bearing for the finger thereof aligned with a similar back bearing for the finger, and means securing said casings together with the bearings of each casing horizontally aligned with the corresponding bearings of the other casing and with the fingers projecting rearwardly from the detector.



2,418,679
METHOD AND APPARATUS FOR HYDROCARBON CONVERSION

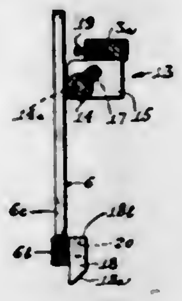
Ernest Utterback, Upper Darby, Pa., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application May 2, 1944, Serial No. 533,674
12 Claims. (Cl. 196—52)



12. A method for conversion of hydrocarbon vapors in the presence of a moving particle form solid contact mass material comprising: maintaining a substantially compact column of particle form solid contact material within an elongated vertical vessel, conducting said solid material from the lower end of said vessel as a substantially compact, continuous, confined stream upwardly through said column within said vessel to the surface of said column, maintaining an inert gaseous pressure at an intermediate point in said stream above that at either end thereof, passing properly preheated hydrocarbon vapors through a section of said column within the upper end of said vessel, passing combustion supporting gas through a section of said column within the lower end of said vessel at a rate sufficient to substantially remove all the contaminant deposited upon said solid material in said section for hydrocarbon flow, maintaining an inert gas pressure within a section of said column intermediate said above-named sections, and cooling said solid material at a location below said section for combustion gas flow.

2,418,680
CRIB

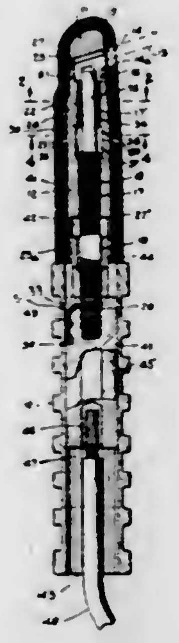
Charles E. Webb, New London, Wis., assignor to Edison Wood Products, Incorporated, West Orange, N. J., a corporation of New Jersey
Application June 16, 1943, Serial No. 491,262
2 Claims. (Cl. 5—100)



1. In a children's crib including end sections, a mattress-frame structure carried by said end sections, a side panel, and means connecting said side panel to said end sections for vertical movement of the panel between upper and lower positions: the combination of a pair of holding members secured to and depending below said mattress frame structure in positions adjacent said vertically-movable side panel, said holding members being spaced from one another lengthwise of the crib and having grooves which incline downwardly towards said side panel; a latch bar having end portions slidably engaging said grooves, said latch bar being biased by gravity into a lower position adjacent said panel; and an inwardly-projecting catch member on said side panel so spaced and adapted to abut against the top side of said latch bar to latch said panel in said upper position, said slots extending inwardly of said crib a distance sufficient to give said latch bar a range of movement from its said latching position adapted to permit the latch bar to be released from said catch members to unlatch said panel from said upper position.

2,418,681
ELECTRODE HOLDER

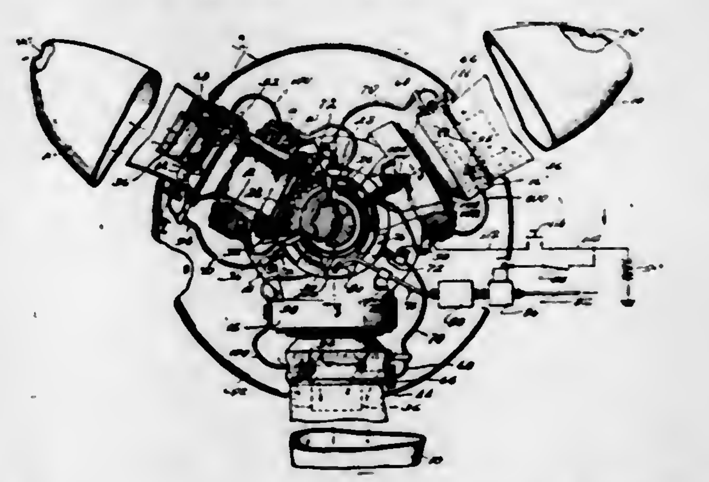
Martin Wells, Los Angeles, Calif.
Application February 5, 1945, Serial No. 576,174
12 Claims. (Cl. 219—8)



1. In an electrode holder of the character described, the combination of: a body having a lateral opening to receive a welding rod and an axial opening to receive a clamping screw member, there being internal screw threads in said axial opening spaced from said lateral opening, and an annular guard wall between said internal threads and said lateral opening; and a clamping screw member disposed in said axial opening, said member having an externally threaded portion engaging said internal threads and a pin portion projecting through said guard wall to engage a welding rod which has been placed in said lateral opening, said annular guard wall fitting around said pin relatively closely so as to serve as a barrier to the passage of particles from said lateral opening to the internal threads of said body.

2,418,682
PROPELLER DEICER

Lynn A. Williams, Jr., Northfield, and Henry J. De N. McCollum, Chicago, Ill.; said Williams assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia; Thelma McCollum, executrix of said Henry J. De N. McCollum, deceased, assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application March 20, 1943, Serial No. 479,896
12 Claims. (Cl. 244—134)



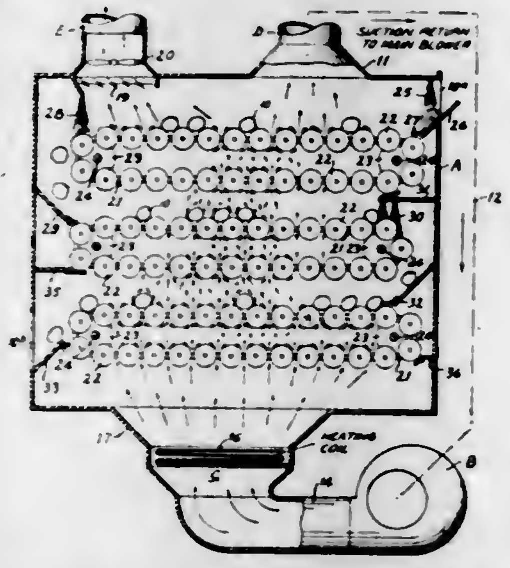
1. A propeller de-icer, comprising a propeller having a hollow blade, a combustion chamber rotatable with said propeller and supplying hot products of combustion to the interior of said blade, a stationary source of fuel for said combustion chamber, a rotating U-shaped ring movable with said propeller, a connection for conducting fuel from said source to said ring, a carburetor for said combustion chamber, a connection between said ring and said carburetor, and means for igniting combustible mixture supplied to said combustion chamber by said carburetor.

2,418,683
CLOSED CHAMBER DRIER INCLUDING VERTICALLY SPACED, HORIZONTAL ROLLER CONVEYORS AND MEANS FOR POSITIVELY CIRCULATING DRYING GASES UPWARDLY THROUGH THE CONVEYORS AND ABOUT THE MATERIAL SUPPORTED ON THE CONVEYORS

Broadus Wilson, Raleigh, N. C.
Application January 13, 1945, Serial No. 572,648
5 Claims. (Cl. 34—207)

1. In a drier for fruits, vegetables, and other articles, means forming a chamber having a top, bottom and side walls, said top wall having an exhaust opening therein, said bottom having a central entrance opening for drying medium, an odd number of endless conveyors mounted in superposed relation within said chamber, each conveyor having an upper pass adapted to re-

ceive and convey articles to be dried from one side of said chamber to the other, said conveyors being driven so that each moves in a direction opposite to the conveyor immediately below, there being an opening in said chamber through the top portion of a first said side wall and through which said articles are introduced onto the upper pass of the upper conveyor, a brush-like element closing said opening against the egress of drying medium, there also being a second opening in the base of a second said side wall opposite said first wall and through which dried articles emerge after leaving the upper pass of the lowermost conveyor, combined baffle and deflector plates carried by said chamber to deflect articles being dried from the upper pass of each conveyor onto the upper pass of the next succeeding lower conveyor and to direct the drying medium upwardly through said conveyors, there being an exit opening for drying medium extending through said top wall of said chamber, a recirculating duct connecting said exit and entrance openings, said duct having a fresh air inlet therein, power-driven impeller means in said duct between said fresh air inlet and entrance opening, and heater coils within said duct between said impeller means and said entrance opening, each said conveyor comprising a pair of spaced belts mounted in side by side relation and mounting a series of spaced rollers therebetween, there being a space between the peripheries of successive rollers through which drying medium may pass upwardly about fruits and vegetables to be dried resting therebetween.



2,418,684
SELENIUM RUBY GLASS

John M. Youel, Baton Rouge, La., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 23, 1945, Serial No. 595,481

8 Claims. (Cl. 106—52)

1. A selenium ruby glass batch composition containing, as an essential ingredient, sodium peroxide.

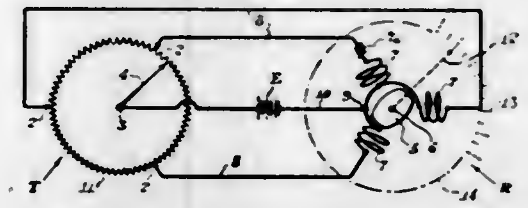
2,418,685
TELEMETER

Jacob L. Zar, Orange, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey

Application April 19, 1944, Serial No. 532,024

13 Claims. (Cl. 177—351)

1. In a telemetric system including three like transmitter resistances serially connected in closed circuit arrangement, and a single contact for traversing said resistances and a D.-C. source of potential: a receiver comprising a pivoted permanent magnet and a plurality of field coils spaced at intervals around the pivot axis of said magnet and connected as an electrical Y, the outer terminals of said Y being connected to the respective junctions between said transmitter resistances, means connecting said source of potential between said contact and the center of said Y for causing said field coils to be energized to produce a torque-directing influence on said magnet according to the positioning of said contact, said magnet and said coils being shaped to produce a restoring torque on said magnet which varies, upon said contact being held at a given fixed position and the magnet being deflected from an equilibrium position, according to a Fourier series comprising a fundamental and a fraction of third harmonic equal substantially to



$$-\frac{.13r/l}{3+r/l}$$

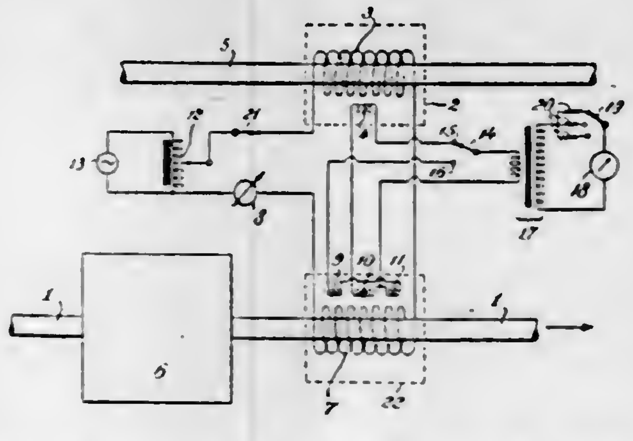
where r/l is the ratio of the value of each of said transmitter resistances to the resistance between the center and outer terminals respectively of said Y.

2,418,686
TESTING OF MAGNETIC MATERIALS

Theodore Zuschlag, West Englewood, N. J., assignor to Magnetic Analysis Corporation, Long Island City, N. Y., a corporation of New York

Application January 13, 1944, Serial No. 518,094

9 Claims. (Cl. 29—148)



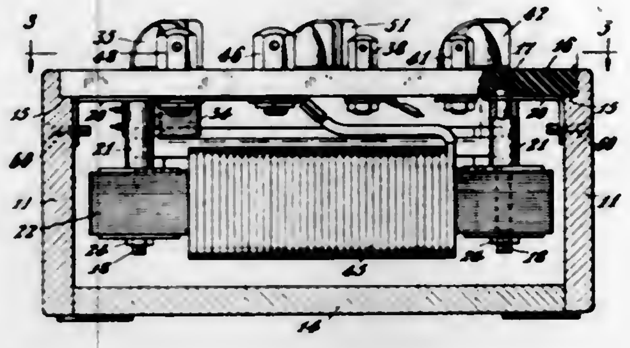
1. In a method of preconditioning magnetic material for magnetic analysis, the steps which comprise selecting a test specimen from the material to be preconditioned which has detectable flaws or defects, establishing in said test specimen a magnetic permeability background of a selected low response level, measuring the magnetic permeability background of the remainder of said material to ascertain whether the response levels thereof at least equal said selected low level, and separating those portions of said remainder which have a magnetic permeability background less than said selected low response level from those portions thereof which have a magnetic permeability background at least equal to said selected low response level.

2,418,687
CAUTERY TRANSFORMER

Walter A. Arnesen, Flushing, N. Y.

Application February 29, 1944, Serial No. 524,377

3 Claims. (Cl. 174—52)



1. A transformer construction comprising an open-top casing having an internal ledge continuous around the open top thereof, a cover plate of frangible material adapted to be seated on said ledge, studs imbedded in said cover plate and depending therefrom, spacers on said studs, a transformer, said studs passing through parts of said transformer, means for securing said transformer on said studs against said spacers, angle members on said studs confined between said spacers and the bottom surface of said cover plate and secured to walls of said casing for securing said cover plate and transformer in assembly with said casing and for substantially preventing lateral shifting of said transformer in said casing.

2,418,688
METHOD OF MAKING AN ELASTIC POLYMER BY MILLING AND HEATING GLYCOL WITH A COPOLYMER OF AN ALKYL ACRYLATE AND MALEIC ANHYDRIDE

Francis Clarke Atwood, Newton, Mass., assignor, by mesne assignments, to National Dairy Products Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application August 11, 1942, Serial No. 454,431

1 Claim. (Cl. 260—75)

The method of making an elastic substance having properties similar to those of vulcanized natural rubber, which comprises, milling the copolymer of 95 parts of methyl acrylate and 5 parts of maleic anhydride and admixing therewith during the milling about ½ mole of ethylene glycol for each mole of maleic anhydride, molding the product and heating the same to a temperature of about 130° C., the amount of said ethylene glycol admixed with the polymer during milling and the extent of the heating at said temperature being such as to eliminate plastic flow characteristics from the composition and to provide the above mentioned elastic properties.

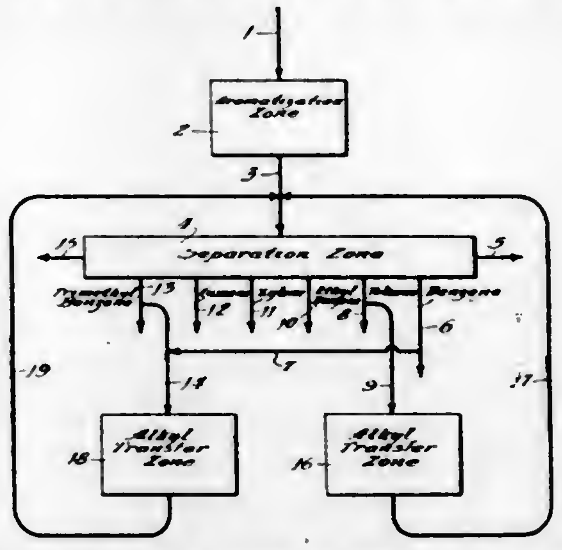
2,418,689
PRODUCTION OF ALKYLATED AROMATIC HYDROCARBONS

Wayne L. Benedict, Chicago, and William J. Mattox, Riverside, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application November 10, 1943, Serial No. 509,680

11 Claims. (Cl. 260—671)

1. A process for producing a di-alkyl aromatic hydrocarbon which comprises reacting a mono-alkyl aromatic hydrocarbon in the presence of a catalyst comprising a composite of silica and alumina at a temperature of from about 200° to about 700° C. and an hourly weight space velocity of from about 0.1 to about 10.

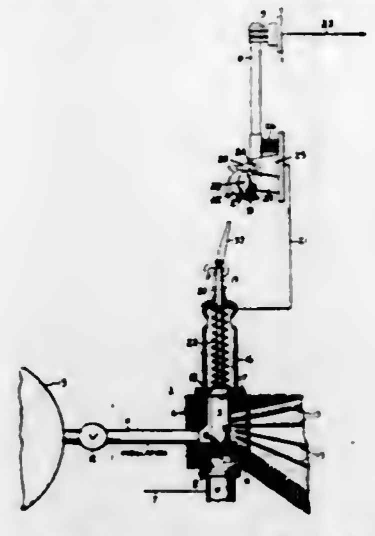


2,418,690
ELECTRIC CIRCUIT INTERRUPTER

Robert M. Bennett, Ithan, Pa., assignor to General Electric Company, a corporation of New York

Application July 13, 1944, Serial No. 544,705

5 Claims. (Cl. 200—82)



1. In an electric circuit breaker, a pair of relatively movable interrupting contacts, a pair of relatively movable disconnecting contacts serially arranged with said interrupting contacts, means for causing relative separation of said interrupting contacts and for simultaneously producing a blast of arc extinguishing fluid adjacent said interrupting contacts to extinguish the arc drawn therebetween, and means operative in response to every other operation of said interrupting contacts for closing said disconnecting contacts.

2,418,691
MACHINE FOR EMPTYING AND WASHING CONTAINERS

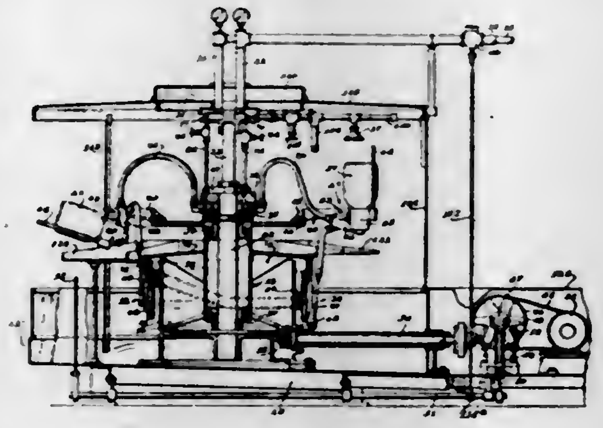
Olav Bjering and Robert K. Belnap, Jr., Toledo, Ohio, assignors to Owens-Illinois Glass Company, a corporation of Ohio

Application March 14, 1944, Serial No. 526,427

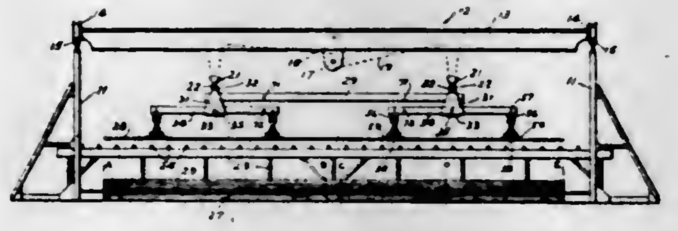
5 Claims. (Cl. 134—81)

1. The combination of a turret mounted to rotate about a vertical axis, means for rotating the turret, cradles pivotally mounted on the turret for swinging movement about horizontal axes, nozzles carried by said cradles in position to project fluids against the interior wall surfaces of

containers supported on the cradles, a water pipe line, means for distributing water supplied through said pipe line to the said nozzles, a valve in said pipe line, means for starting and stopping the turret, and automatic means actuated by said starting and stopping means for opening and closing said valve.



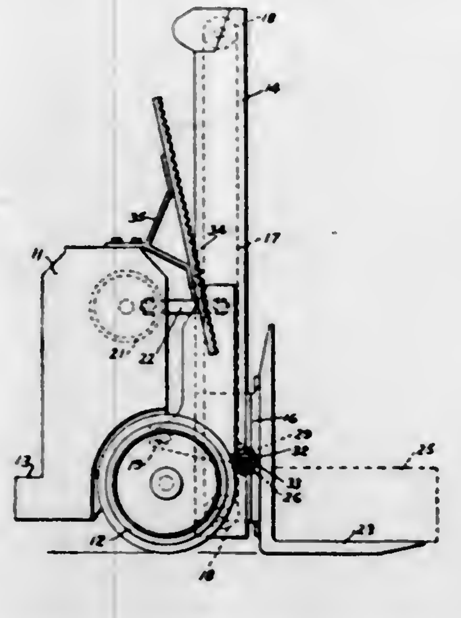
2,418,692
MEANS FOR GRIPPING AND LIFTING STRIP MATERIAL
Jack Breslav, New Haven, Conn.
Application October 18, 1944, Serial No. 559,320
7 Claims. (Cl. 294—81)



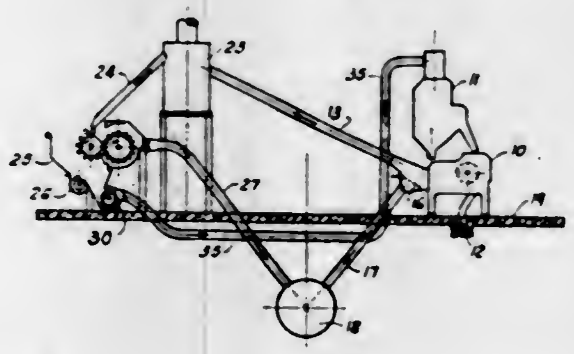
7. In mechanism for gripping and raising thin strip material, an elongated bar adapted to extend lengthwise along the strip of material, a plurality of grabs spaced apart along said bar, each of said grabs having oppositely movable strip-side-edge engaging jaws and being movable only crosswise of the strip, means to pivot said bar at its middle portion to load raising means, each grab being pivoted to said bar and movable vertically in respect thereto, stop means to engage the upper surface of the strip of material at each grab to limit the amount the jaws of the grab extend over the strip side edges, and means to adjust said stop means for different thicknesses of strips.

2,418,693
INDUSTRIAL TRUCK
Jack Breslav, New Haven, Conn.
Application October 10, 1945, Serial No. 621,411
12 Claims. (Cl. 214—113)

1. In a truck having a stationary portion, a tiltable load carrying frame, and load engaging members movable lengthwise of the frame and movable laterally of the frame toward and away from each other, mechanism to laterally move the members including a rotatable part connected to the members to move them laterally upon being rotated and being carried thereby for lengthwise movement therewith, a second part secured to and rotatable with said rotatable part, and a third part connected to the stationary portion of the truck in position to be engaged by the second part, when the frame is tilted, to rotate the second part and by it the rotatable part upon lengthwise movement of the load engaging members in respect to the frame.



2,418,694
LINT COTTON CLEANER
Eugene H. Brooks, Dallas, Tex., assignor to Continental Gin Company, a corporation of Delaware
Application June 7, 1945, Serial No. 598,095
2 Claims. (Cl. 19—39)



1. In combination, a battery of gins, a corresponding number of lint cotton cleaners, a separate condenser associated with each gin and adapted to receive lint cotton therefrom and deliver it to the associated cleaner, a lint flue common to all the gins and the cleaners, means to divert cotton from the gins to the lint flue or to the separate condensers, a press, and a battery condenser disposed to receive lint cotton from the lint flue and deliver it to the press.

2,418,695
ULTRAVIOLET LIGHT FILTER COMPOSITION
Robert Brown, Brooklyn, N. Y.
No Drawing. Application March 10, 1944, Serial No. 525,941
2 Claims. (Cl. 167—90)

1. A filter for ultra-violet rays having wave lengths between approximately 289 and 405 millimicrons containing a film comprising a colloidal system containing pulverized roasted coffee and a greasy vehicle.

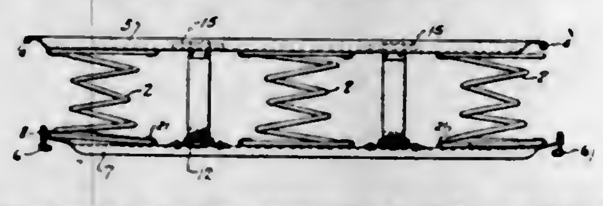
2,418,696
MODIFYING THE DYEING PROPERTIES OF CELLULOSE OR CELLULOSE DERIVATIVE TEXTILE MATERIALS
Walter Glen Cameron and Thomas Henry Morton, Braintree, England, assignors to Courtaulds Limited, London, England, a British company
No Drawing. Application February 9, 1943, Serial No. 475,283. In Great Britain March 9, 1942
1 Claim. (Cl. 8—100)

The process of improving the dyeing properties of cellulosic material by treating the material before dyeing with an aqueous solution containing an aliphatic aldehyde and a compound represented by the formula

$$NH_2\text{—}C(NH)\text{—}NH\text{—}C(NH)\text{—}NYZ$$

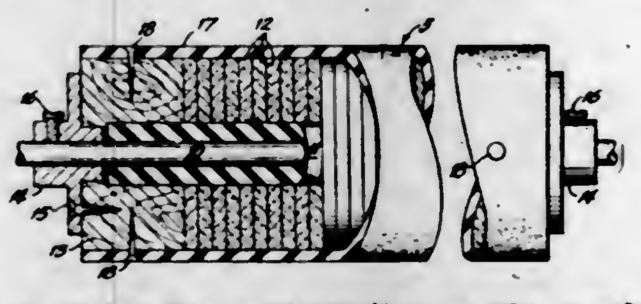
where Y is an organic radicle of the group consisting of hydroxy ethyl, biguanide ethyl, ethylamino, triethylene triamino, and cyclic radicles joined with Z, while Z is a member of the group consisting of hydrogen, hydroxyethyl and cyclic radicles joined with Y, drying the treated material and heating to complete the reaction between the said aldehyde and the said compound.

2,418,697
SEAT SPRING
John M. Caughey, Adrian, Mich., assignor to Stubnitz-Greene Spring Corporation, Adrian, Mich., a corporation of Michigan
Application September 2, 1944, Serial No. 552,409
4 Claims. (Cl. 155—179)



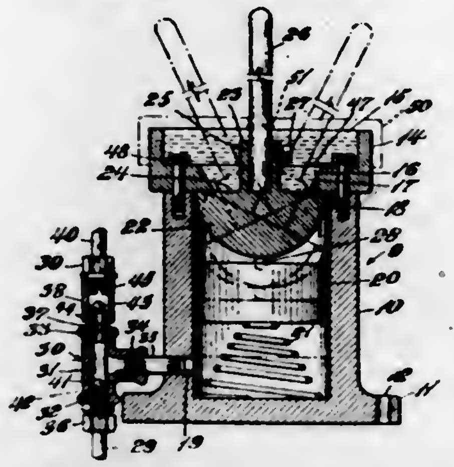
3. In a seat spring assembly, the combination of upper and lower frames with springs spacing and connected to the frames, a flexible strap at one end anchored to the upper frame member, a clip secured to one of the frames and provided with a loop and an arched lug or brake member, said strap being engaged around the arched lug and through the loop of the clip and a tensile spring secured at one end to the other end of the strap and at the other end secured to the lower frame for putting tension on the strap, said last mentioned assembly serving to dampen the rebound of the springs when the spring seat is subjected to a jolt.

2,418,698
NOISELESS PLATEN FOR TYPEWRITING MACHINES
Frederick U. Conard, West Hartford, Conn., assignor to Underwood Corporation, a corporation of Delaware
Application May 22, 1944, Serial No. 536,829
3 Claims. (Cl. 197—147)



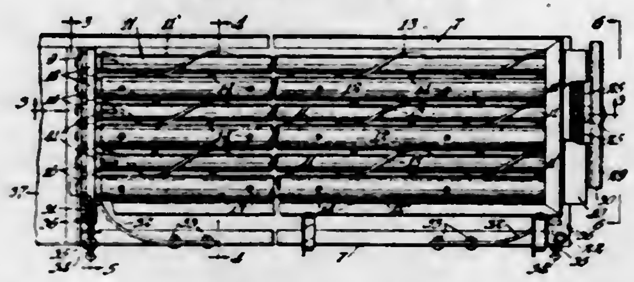
3. A platen for a typewriter or like machine, comprising an elongate shaft, a sleeve of resilient material on said shaft, a series of apertured disks of substantially uniform letter-space thickness arranged side by side on said sleeve, the series of disks extending over the effective length of the platen, collars, one at each platen end, secured to said shaft and holding said disks in sliding contact with each other, and an outer, resilient cylinder over said disks and secured at its ends to said collars.

2,418,699
PUMP
Edward F. Cox and James S. Domingos, New Bedford, Mass.
Application May 21, 1945, Serial No. 594,840
14 Claims. (Cl. 103—71)



1. A pump comprising a cylinder, a piston reciprocally mounted therein, an annular shoulder within said cylinder, a rockable member fulcrumed about said shoulder and extending into said cylinder in sliding engagement with said piston for moving the same upon rocking of said member about said shoulder and means for rocking said member.

2,418,700
CORNHUSKING MACHINE
Walter R. Davies, Shakopee, Minn., assignor to Northrup, King & Co., Minneapolis, Minn., a corporation of Minnesota
Application July 5, 1943, Serial No. 493,533
2 Claims. (Cl. 130—5)

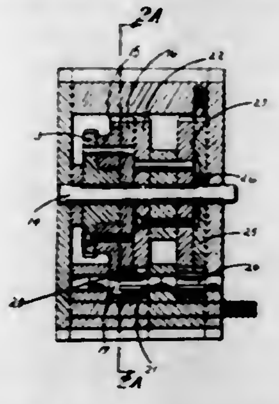


1. In a corn husking machine, a frame, a pair of elongated roller elements journalled to the frame in laterally spaced parallel relation, the periphery of one of said roller elements being provided with a spiral vane extending substantially from end to end thereof, the periphery of said spiral vane being substantially in contact with the periphery of the adjacent roller element, mechanism for imparting like speed opposite rotation to the adjacent rollers in directions producing downward movement therebetween, spaced projections on the other of said rollers positioned to work between the adjacent rollers and out of contact with the spiral vane of the other roller, and one of said pair of roller elements being provided adjacent the end thereof at the out-feed end of the machine with a longitudinally extended shearing blade that runs substantially in contact with the adjacent roller element, whereby to shear off the stub end portions of husks which tend to retard longitudinal feeding movements of a corn ear at the out-feed end of the machine.

2,418,701
MUTILATED GEARING

Archibald H. Davis, Jr., University Heights, Ohio, assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application February 11, 1944, Serial No. 521,914
3 Claims. (Cl. 74—435)

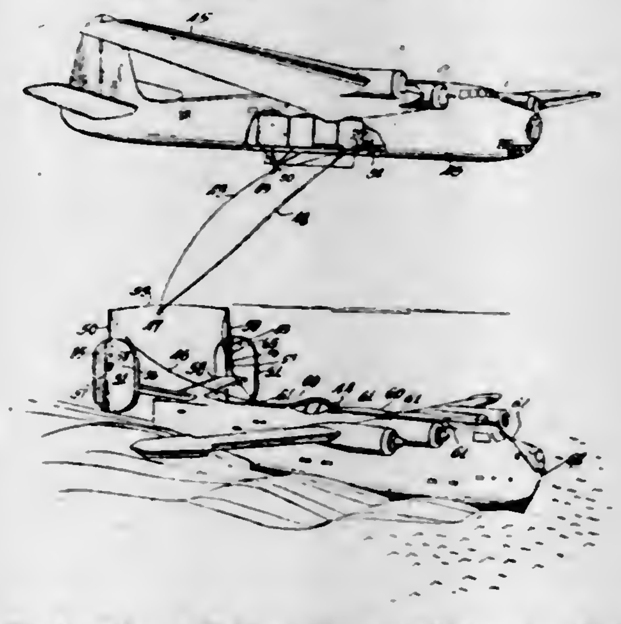


1. A mechanism for interconnecting a drive gear having a substantially constant speed with a cam shaft adapted to be intermittently advanced and wherein during advancing movement of the cam shaft the rate of advance substantially corresponds to the rate of the drive gear, said mechanism comprising a mutilated gear fixed to the drive gear and having teeth only at a minor peripheral area, a pinion having teeth adapted to engage the teeth of the mutilated gear, means preventing rotation of the pinion when out of engagement with the mutilated gear teeth, a full gear engaging the pinion, a second mutilated gear fixed to the full gear, a second pinion adapted to be intermittently driven by the second mutilated gear, a second full gear engaging the second pinion and operatively associated with the cam shaft, the gears being of substantially the same diameter, and the pinions being of substantially the same diameter whereby during advancing movement of the cam shaft the R.P.M. of the cam shaft will substantially correspond to the R. P. M. of the drive gear.

2,418,702
METHOD AND APPARATUS FOR LAUNCHING AIRCRAFT

Richard C. du Pont, Granogue, Del., assignor to All American Aviation, Inc., Wilmington, Del., a corporation of Delaware

Application March 9, 1943, Serial No. 478,517
26 Claims. (Cl. 244—63)

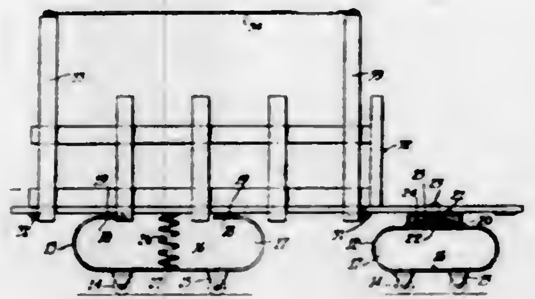


1. In an aircraft launching system, an aircraft intended to be launched, releasing supports for a line mounted upon the upper surface of the aircraft, and a towing line supported from said supports and extending free from interfering aircraft structure in a direction transverse of the aircraft's direction of travel.

2,418,703
BALL BEARING ROLLER BOBSLED TYPE VEHICLE

Michael Ferrara, Brooklyn, N. Y.

Application November 7, 1945, Serial No. 627,250
3 Claims. (Cl. 280—87.03)

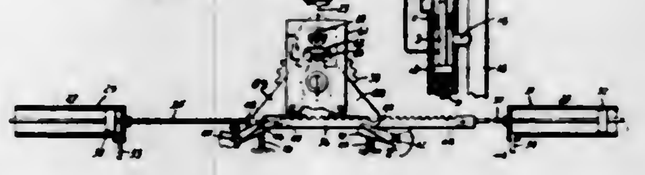


2. In a vehicle of the character described, the combination with a body structure thereof, of wheel mountings comprising a plurality of front and a plurality of rear flexible band members each arranged in an elliptical shape to present an oblong portion and rounded end portions, means for attaching the band to and longitudinally of the body adjacent opposite ends of the latter, wheels on said band members for ground engaging contact, a bar extending across the top of said front band members for pivotally turning the same in steering operation, and a resilient cushion disk intermediate the said bar and the body structure for yieldably resisting steering movement of said bar.

2,418,704
MANUAL OPERATING DEVICE FOR ELECTRIC CIRCUIT BREAKERS

John D. Gayer, Springfield, Pa., assignor to General Electric Company, a corporation of New York

Application November 30, 1944, Serial No. 565,836
6 Claims. (Cl. 200—82)

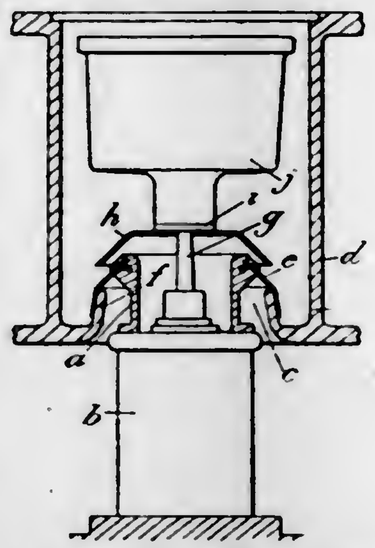


1. In combination with an electric switch comprising relatively movable contacts, motive means for causing relative movement of said contacts, a latch for holding said contacts in a predetermined position and releasable prior to operation of said motive means, manual means for causing relative movement of said contacts adapted to be removably associated with said switch, and means associated with said manual means for first releasing said latch upon initial operation of said manual means followed by movement of said contacts with continued operation of said manual means.

2,418,705
DRIVE OF RAYON SPINNING BOXES

Leslie Charles Goodwin and Charles Tinsley, Parkside Mills, Golborne, near Warrington, England, assignors to Harben's (Viscose Silk Manufacturers) Limited, Golborne, near Warrington, Lancashire, England, a company of Great Britain

Application September 24, 1945, Serial No. 618,214
In Great Britain October 12, 1944
1 Claim. (Cl. 57—77)

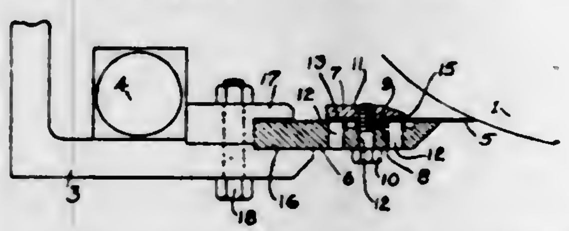


A driving arrangement for a rayon spinning box, comprising a motor unit, a spindle driven by said unit, a spinning box upon and driven by said spindle, a spinning box chamber around said box, an imperforate annular frame upon the top of the motor unit, the base of the spinning box chamber being apertured to allow the spindle and the annular frame surrounding the spindle to pass through, an upwardly projecting lip around the aperture in the base of the chamber, a flexible ring attached to said annular frame and extending over the top of said lip, and a thrower upon the spindle beneath the spinning box, projecting over the top of the annular frame and spaced from the flexible ring, to prevent liquor passing into the frame and on to the motor unit.

2,418,706
DOCTOR MECHANISM FOR PAPERMAKING ROLLS AND CYLINDERS

Francis H. Goyette, Worcester, Mass., assignor to Lodding Engineering Corporation, Worcester, Mass., a corporation of Massachusetts

Application December 3, 1943, Serial No. 512,763
2 Claims. (Cl. 92—74)

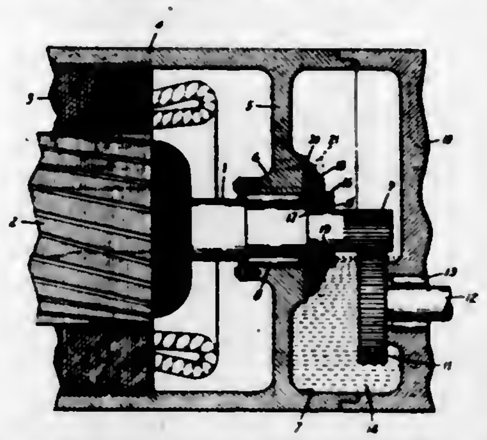


1. A doctor mechanism for paper-making rolls and cylinders comprising in combination, a pivotally mounted holder providing an open slot for receiving one edge of a doctor blade having its other edge bearing on a rotating surface by application of a turning movement to said holder, with said holder consisting of a base member providing a number of spaced grooves extending parallel to the axis of the surface being doctored, a cooperating clamping member providing a tongue for reception in one of said grooves, with one side of said tongue determining the depth of the blade receiving slot of said holder, and means for maintaining said holder members together to mount blades of different widths, in accordance with the selected location of said tongue in one of said grooves of the base member.

2,418,707
LUBRICANT SEAL

Robert W. Groot, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York

Application May 27, 1944, Serial No. 537,605
3 Claims. (Cl. 286—7)



1. A fluid seal for a rotatable shaft extending through a wall having one surface exposed to a fluid, said seal including a member secured to said shaft on the fluid side of said wall and having an annular flange adjacent and overlapping said wall, said flange having the base of its surface remote from said wall spaced axially therefrom, said flange surface being curved toward said wall, and an annular flexible sealing member secured to said member on the side of said flange remote from said wall and conforming to the curved surface of said flange so that its outer edge extends into sealing engagement with said wall when said shaft is at a standstill whereby passage of fluid from the fluid side of said wall along said shaft through said wall is prohibited, said sealing member being of such flexibility as to be deflected by centrifugal force out of engagement with said wall and away from said flange in response to rotation of said shaft whereby said sealing member in its deflected position acts directly as a fluid slinger to throw centrifugally away from said wall the fluid that passes along said shaft from the fluid side of said wall and said flange is enabled to serve as a supplemental fluid slinger to throw centrifugally any fluid which passes around said sealing member.

2,418,708
2-ACETOXY-4-METHYL-1,3-PENTADIENE

Bernard H. Gwynn, Oakmont, Pa., and Edward F. Degering, West Lafayette, Ind., assignors to Purdue Research Foundation, La Fayette, Ind., a corporation of Indiana

No Drawing. Original application September 23, 1942, Serial No. 459,448. Divided and this application August 23, 1945, Serial No. 612,314
1 Claim. (Cl. 260—488)

2-acetoxy-4-methyl-1,3-pentadiene.

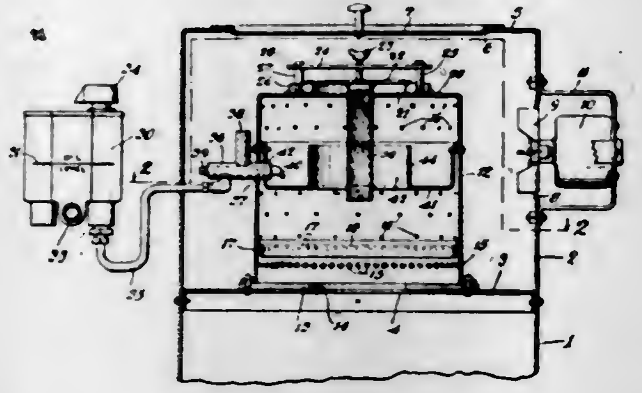
2,418,709
INVERTED POT TYPE BURNER

Bruce Hayter, Santa Fe, N. Mex., assignor to Oil Devices, Santa Fe, N. Mex., a limited partnership of Illinois

Application March 18, 1944, Serial No. 527,023
7 Claims. (Cl. 158—91)

1. In a liquid fuel burner, means for defining a combustion chamber, including a top wall and

side walls, an inverted burner pot positioned above said top wall said top wall having a flame aperture, the interior of the burner pot being in direct communication with the interior of the combustion chamber through said flame aperture, a vaporizing member in the burner pot, and means for delivering a liquid fuel thereto, said pot including a normally closed top wall, and a circumferential side wall having a plurality of air inlet apertures spaced circumferentially thereabout, and located at various distances from the ends of the pot.



2,418,710
ELECTRIC CONTACT AND BRUSH

Franz R. Hensel, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware

No Drawing. Application November 10, 1944, Serial No. 562,917

5 Claims. (Cl. 171—325)

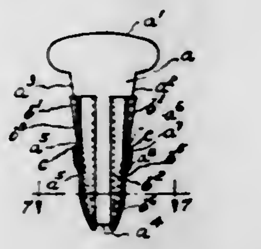
1. An electric contact formed of an alloy of 60 to 99% of metal selected from the group consisting of platinum and palladium, balance substantially all lead.

2,418,711
PIPE CLEANER

William Ernest Heron, Detroit, Mich.

Application December 21, 1944, Serial No. 569,129

3 Claims. (Cl. 131—246)



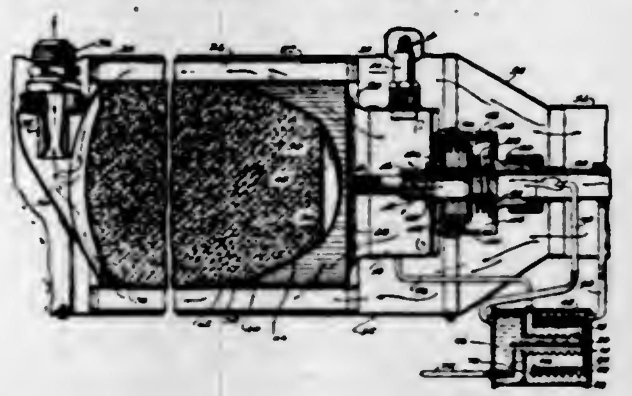
1. A cleaner for smoking pipes comprising a pair of reamer brackets, each embodying a central U-shaped portion opening on the inner side of the bracket, a wing projecting outwardly from each of the opposite sides of the U-shaped portion adjacent the open end thereof and provided on its outer edge with a cutting edge, said cutting edges being curved to conform to the curvature of the bowl of a pipe in which the cleaner is to be used and a tapered spreader plate slidably engaging in the opposed U-shaped portions and slidable inwardly thereof for spreading said cutting edges into engagement with the inner surface of a pipe bowl.

2,418,712
ALTITUDE COMPENSATED INTERNAL-COMBUSTION AIR HEATER

Seymour E. Heymann, Chicago, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia

Application March 1, 1943, Serial No. 477,523

14 Claims. (Cl. 126—116)



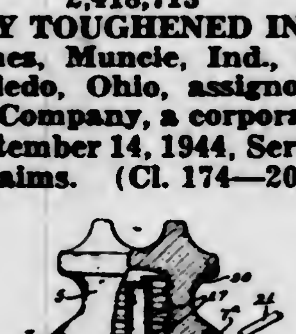
9. An altitude compensated heater comprising walls forming a combustion chamber, means including a burner tube slidable relative to said combustion chamber to vary the area of communication between said burner tube and the chamber, a casing slidably receiving one end of said burner tube, said end having a radial flange, a bellows connecting said flange to a wall of said casing to form a chamber in free communication with said combustion chamber, said casing having an evacuated chamber of which said flange forms a wall, a spring for urging said burner tube in a direction to expand said evacuated chamber, an induction pipe connected to said burner tube and having an expansible and contractable section, a fuel jet in said induction pipe, a pressure multiplying means for supplying fuel to said jet and having a fuel chamber communicating therewith, said fuel chamber being adapted for connection to a pump or other source of fuel under pressure, a valve for controlling admission of fuel to said fuel chamber, said fuel chamber having an expansible and contractable portion, a movable member for expanding and contracting said portion and for opening said valve upon contraction of said portion, means connecting one side of said movable member with said induction pipe, means for connecting the other side of said movable member with said combustion chamber, a heat exchanger receiving the products of combustion from said combustion chamber, and means for directing ventilating air over said heat exchanger.

2,418,713
THERMALLY TOUGHENED INSULATOR

Minot K. Holmes, Muncie, Ind., and Jesse H. Plummer, Toledo, Ohio, assignors to Owens-Illinois Glass Company, a corporation of Ohio

Application September 14, 1944, Serial No. 554,036

5 Claims. (Cl. 174—209)



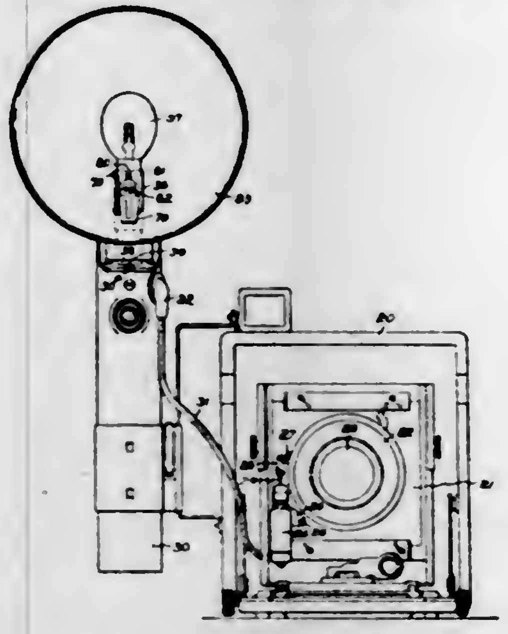
1. An insulator comprising a body and an annular skirt integral therewith, said body and skirt having surface layers hardened and under compression and interior portions under tension, the neck portion of glass forming the juncture between the skirt and body being hardened throughout and thereby separating said tensioned glass into separate bodies.

2,418,714
PHOTOGRAPHIC SYNCHRONIZING EQUIPMENT

Irving Jacobson, Hollywood, Calif., and Harold E. Smith, Rochester, N. Y., assignors to Graflex, Inc., Rochester, N. Y., a corporation of Delaware

Application June 22, 1944, Serial No. 541,626

15 Claims. (Cl. 67—29)



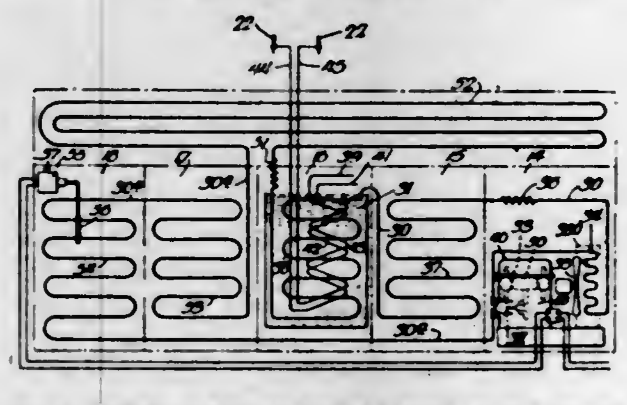
13. As a new article of manufacture and sale, a unit assembly for use in a photographic flashlamp equipment said unit assembly comprising a photoflash lamp socket tube to receive at its upper end a flashlamp of short time delay, a bracket-like support member attached to said tube, a reflector attached to the upper portion of said support member, the lower end of the said tube having a time-delay relay provided with a housing telescopically attached directly to said tube, said relay having contact points at its upper and lower ends for making contact respectively with the flashlamp and with the battery in the usual battery case of the equipment, to place the said relay in series with the said flashlamp.

2,418,715
REFRIGERATED SODA FOUNTAIN CABINET

Herman K. Johnson, Grand Haven, Mich., assignor to The Bastian Blessing Company, Chicago, Ill., a corporation of Illinois

Application February 25, 1942, Serial No. 432,311

12 Claims. (Cl. 62—7)



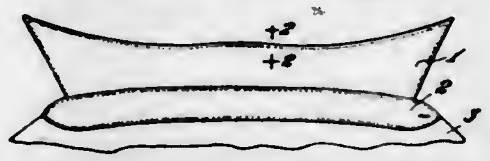
1. In a refrigerating apparatus, a hermetically sealed refrigerating unit comprising a plurality of evaporating containers, conduit means connecting said containers, means for circulating a volatile refrigerant in a closed circuit through said containers and said conduit means in series, a plurality of restrictions within said conduits each having a permanently open passage therethrough and functioning as expansion valves for maintaining said evaporating containers at different temperatures, a separate cooling compartment for each evaporating container, a thermo-sensitive device within one of said compartments for controlling the operation of said second-named means, one of said compartments having a pair of coils for carbonated and sweet water extending therethrough and a heat exchange liquid surrounding said coils and in contact with the evaporating container within said one compartment for constituting a heat exchange medium, said evaporating containers constituting the sole metallic heat exchange elements within said apparatus.

2,418,716
SHIRT COLLAR

Richard Oakley Kennedy, New York, N. Y.

Application June 14, 1944, Serial No. 540,230

6 Claims. (Cl. 2—131)



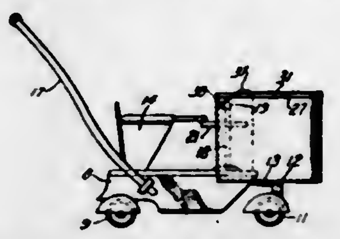
1. A foldable shirt collar comprising a top which, in use, has a longitudinally extending fold line, said top including a facing consisting of multiple ply interwoven fabric of substantially uniform thickness and texture throughout and whose outer ply is of fine cotton yarns interwoven in a broadcloth weave appropriate to constitute the exposed surface of the collar top, the inner ply only of the facing comprising yarns, some at least of which are of fusible material, the top also including a backing of material relatively thinner than the facing, the inner surfaces of the facing and backing being directly opposed without any intervening liner, and means uniting the facing and backing.

2,418,717
RECEPTACLE ATTACHMENT FOR CHILDREN'S VEHICLES

John J. Machado, San Leandro, Calif.

Application September 4, 1945, Serial No. 614,391

4 Claims. (Cl. 224—29)

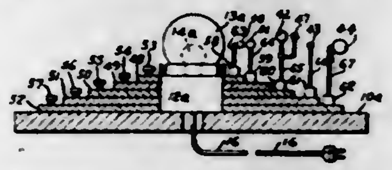


1. A package carrier for attachment to a perambulator-type vehicle having a front wheel supporting structure and a post rising from the vehicle and carrying a grip element, comprising a basket having a main portion thereof situated in front of said post and integral portions thereof extending on each side of said post whereby the volumetric content of said basket is increased by said extended portions, said basket having a portion thereof to be engaged with said wheel supporting structure, and means carried by and extending from said basket for releasably engaging said grip element.

2,418,718

EDUCATIONAL APPLIANCE

Clare J. Maginley, Danbury, Conn.
Application May 6, 1944, Serial No. 534,402
4 Claims. (Cl. 35—45)

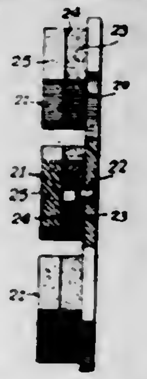


1. In an educational appliance of the class described, a base, a central element on the upper side of said base and comprising a representation of the sun, a series of holders on the upper side of said base and radially spaced from the center thereof and from one another, means mounting said holders for movement about said central element in radially spaced circular paths concentric with one another and said central element, each of said holders having a socket opening through its upper side, a support on each of said holders and comprising a length of wire having its lower end received in said socket of the holder, a globular representation of a planet on the upper end of each of said supports and rotatable relative thereto, and hand means on each of said holders circumferentially-removed from the planet to move the holder.

2,418,719

BRAKE ELEMENT

William Mann, Grosse Pointe, Mich., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 31, 1944, Serial No. 552,131
4 Claims. (Cl. 188—251)



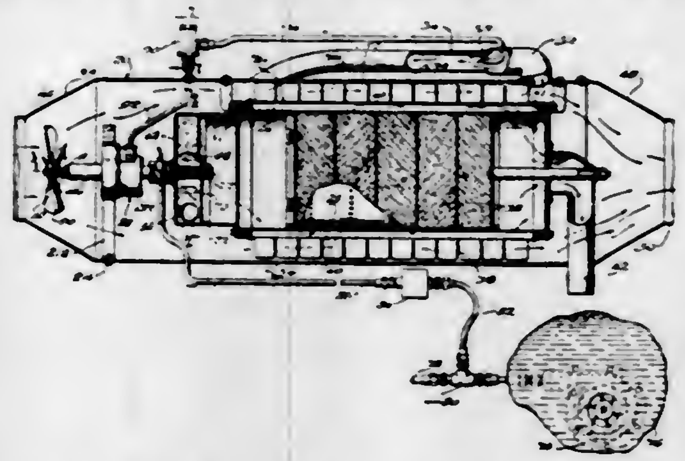
1. A brake element having a rigid metal backing, a composition brake lining secured to said backing and having braking effectiveness for substantially its entire thickness, and means securing said lining to the backing, said lining having varying characteristics in the direction of its thickness, the portion of the lining adjacent the backing having the characteristic of being relatively soft and yielding and the portion of the lining adjacent the braking face having the characteristic of being relatively hard and unyielding, and said means securing the lining to the backing terminating short of the outer face of said portion of the lining adjacent the backing.

2,418,720

AIRCRAFT HEATER WITH AIR-DRIVEN FUEL PUMP

Henry J. De N. McCollum, Chicago, Ill.; Thelma McCollum, executrix of said Henry J. De N. McCollum, deceased, assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application May 10, 1943, Serial No. 486,361
5 Claims. (Cl. 126—116)

1. An aircraft heater of the class described, comprising means forming a combustion chamber, an induction tube for supplying combustible mixture to said chamber, a jet for supplying fuel to said combustion chamber, a heat exchanger receiving hot products of combustion from said combustion chamber, a casing enclosing said combustion chamber and heat exchanger, said casing having a tapered end adapted to be connected with a ram, said casing also having an outlet through which at least most of the air supplied by said ram is discharged as heated air for ventilating purposes, piping means for connecting said jet with a booster pump for supplying fuel to an airplane engine, a pressure regulator in said piping means for limiting the pressure created by said booster pump to an absolute maximum, a check valve interposed between said pressure regulator and said jet and openable only under a pressure greater than said absolute maximum pressure, a pump in said casing interposed between said pressure regulator and said valve and operable to force fuel past said valve to said jet, and an impeller responsive to air flowing through said casing for driving said pump at different speeds varying with the rate of air flow.



2,418,721

RESINOUS REACTION PRODUCT OF ETHYLENE GLYCOL, GLYCEROL, AND SUCCINIC ANHYDRIDE

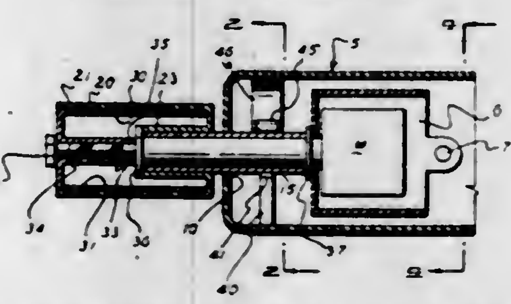
Carl Opp, Cincinnati, Ohio, assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio
No Drawing. Application July 27, 1943, Serial No. 496.312
4 Claims. (Cl. 260—16)

1. A resin consisting of the reaction product of about 2 parts by weight of succinic anhydride, 1 part by weight of glycerol, and 1 part by weight of ethylene glycol, having an acid number of 10 to 30, and characterized by its inertness to high octane gasoline, and its plasticizing effect on cellulose acetate.

2,418,722

DRY SHAVER

Herbert E. Page, Alhambra, Calif.
Application May 14, 1945, Serial No. 593,677
7 Claims. (Cl. 30—43)

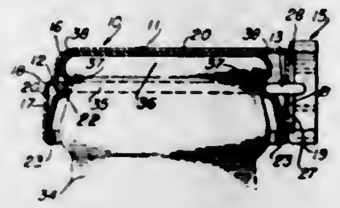


1. In a dry shaver having a body, a perforated, cylindrical outer cutter head rotatably carried by the body, a rotatably driven inner cutter head mounted in and concentric with the outer head, the inner cutter head having frictional contact with the outer head, brake means normally opposing rotation of the outer head and brake release means operable in response to pressure of the peripheral surface of the outer head against the skin of the user to free the outer head for rotation in either direction relative to the inner head.

2,418,723

BOTTLE CLOSURE

Charles E. Paine, Woonsocket, R. I.
Application June 14, 1946, Serial No. 676,623
7 Claims. (Cl. 215—45)



1. A bottle closure comprising a cap having a top and a depending skirt having an opening therein, a resilient liner mounted within said cap and having its lower peripheral edge fastened to the lower peripheral edge of said skirt, a split ring provided with hooked ends mounted within said cap and interposed between said skirt and said liner with its hooked ends projecting through said opening; and a lever having an elongated opening therein receiving and engaging said hooked ends and adapted, when operated in a plane tangential to the skirt of the cap, to force the hooked ends toward each other by the camming action of the edges of the elongated opening on said ends, thereby contracting said ring.

2,418,724

ISOMERIZATION OF SATURATED HYDROCARBONS

Herman Pines and Richard C. Wackher, Riverside, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application November 19, 1943, Serial No. 510,913
12 Claims. (Cl. 260—683.5)

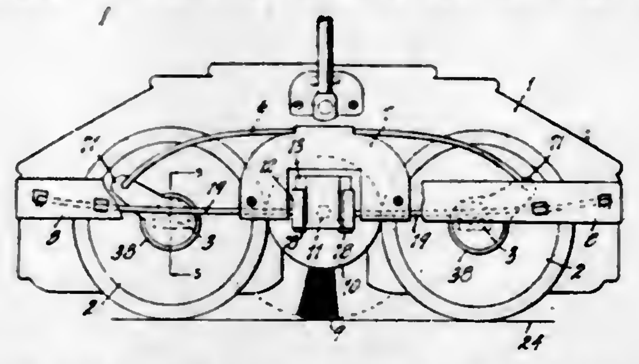
1. An isomerization process which comprises contacting a normally liquid paraffin hydrocarbon and a phenolic compound containing a hydrocarbon substituent with a Friedel-Crafts type isomerizing catalyst under isomerizing conditions.

2,418,725

SPRING BRUSH CONTROL FOR CARPET SWEEPERS

Fred W. Pullen, Grand Rapids, Mich., assignor to Bissell Carpet Sweeper Company, Grand Rapids, Mich., a corporation of Michigan
Substituted for forfeited application Serial No. 475,509, February 11, 1943. This application October 4, 1946, Serial No. 701,257
6 Claims. (Cl. 15—41)

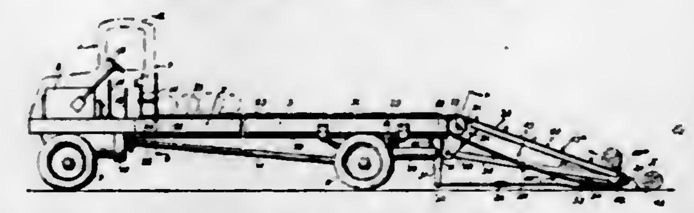
1. In a carpet sweeper, the combination with a casing and floor wheels, of a brush provided with a pulley associated with said floor wheels to be driven thereby, an end bar extending substantially the entire width of the sweeper and disposed at the outer side of said floor wheels and pulley, a slideway plate having inwardly offset vertical edges mounted on the inner side of said bar to coact therewith in providing oppositely facing vertical slideways, a journal for said brush provided with a slide having flanges embracing the edges of said slideway plate, said journal being fixedly secured to said slide substantially equidistant from said edges of said slideway to eliminate binding action of said slide on said slideway, said flanges having inturned edges coacting with said slideways, and elongated rod springs disposed horizontally on the inner side of said end bar and having their outer ends secured to said end bar adjacent the ends thereof, said journal slide having opposed holes in its flanges with which the inner ends of said springs are slidably engaged, the springs being of such length that the biasing stress thereof on the brush is not greatly varied throughout the range of vertical movement of the brush.



2,418,726

LOG HANDLING APPARATUS

Robert S. Rogers, Jr., Cheraw, S. C.
Application January 16, 1945, Serial No. 573,080
15 Claims. (Cl. 214—83)

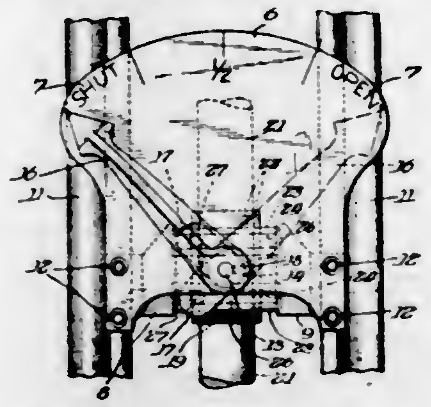


1. Apparatus for handling logs and the like, comprising: a vehicle having a chassis; a ramp pivotally moumted on the rear end of said chassis; means including a hydraulic cylinder operatively connected with said ramp for effecting angular movement thereof relative to said chassis; means at the rear end of said ramp for lifting a log off the ground and depositing the same upon said ramp; and a conveyor on said chassis arranged to receive logs from said ramp and to convey the same toward the forward end of said chassis.

2,418,727

INDICATOR

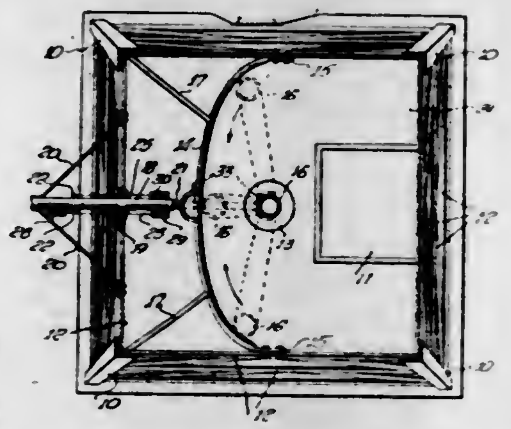
David Rosenston, Chicago, and Chester W. Yant, Westchester, Ill., assignors to Crane Co., Chicago, Ill., a corporation of Illinois
Application March 27, 1944, Serial No. 528,320
4 Claims. (Cl. 116—125)



1. In an indicator, the combination with a stem journaled for rotational movement, of an actuator

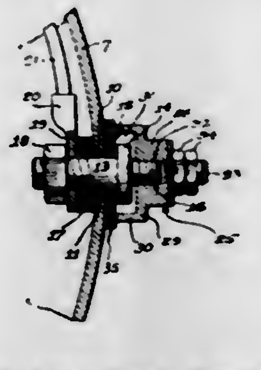
movable axially upon rotational movement of said stem, a face plate stationary with respect to said actuator, a pivot member mounted in said face plate, a relatively long indicator hand pivotally mounted on said face plate and a relatively short lever arm both connected to said pivot member, the said lever arm being operatively connected to said indicator hand, a pin therebetween and cam surfaces provided on said actuator for sliding engagement with said pin for pivotally moving the said indicator hand, the said pin being predeterminedly positioned relative to the number of turns of the said stem whereby the angular travel of the indicator hand remains constant.

2,418,728
DRILL PIPE RETRIEVER FOR WELL DERRICKS
Odell Sanders, Kermit, Tex.
Application February 5, 1945, Serial No. 576,262
10 Claims. (Cl. 214—1)



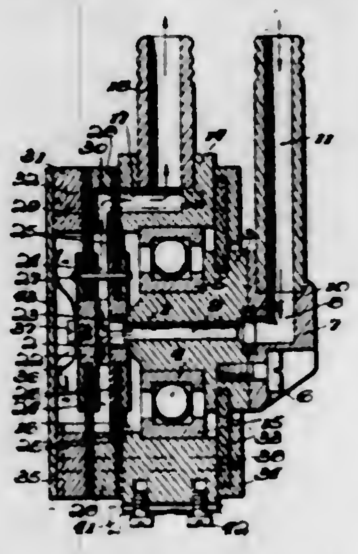
1. The method of handling sections of pipe in a well derrick, which includes the steps of orienting the upper end of the pipe to a point on the opposite side of the well bore from the monkey board and on a line operably extending through the monkey board and the vertical axis of the well bore, then moving the upper end of the pipe along said line by means positioned on the opposite side of the well bore from the monkey board for engagement with or disengagement from elevating devices.

2,418,729
AUXILIARY TERMINAL FOR SEALED-IN MOTOR COMPRESSOR UNITS
William J. Schemers, Detroit, Mich.
Application October 1, 1945, Serial No. 619,574
8 Claims. (Cl. 174—153)



1. An auxiliary terminal for attachment to the threaded male portion of a main binding post terminal with an enlargement externally abutting a housing structure, said auxiliary terminal comprising a body portion having a socket therein for receiving said enlargement and a threaded recess extending inward from said socket for receiving said threaded male portion of said binding post terminal, the rim of said socket forming an annular flange on the body portion surrounding said enlargement and concentric with the threaded recess, and a threaded stud on said body portion for receiving a cable connection.

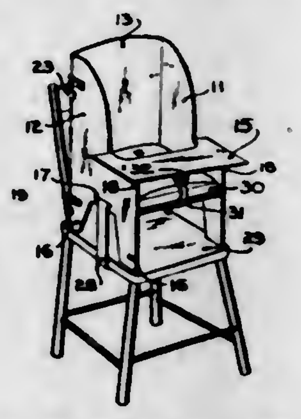
2,418,730
DEVICE FOR SUPPLYING AIR TO VEHICLE TIRES
Georges Charles Schüle, Buenos Aires, Argentina
Application January 13, 1944, Serial No. 518,133
4 Claims. (Cl. 152—417)



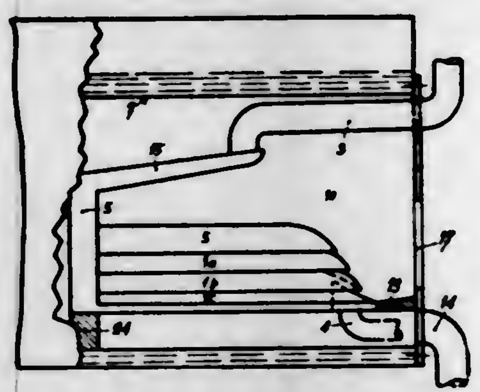
1. A device for supplying compressed air to the pneumatic tires of vehicle wheels, comprising, a source of compressed air supply, a stator including a body having a central bore, a spherical boss at one end of the bore, a compressed air inlet at the other end of the bore communicating with said source of compressed air, a ball race mounted on the body concentrically with said bore; and rotor means for conducting air from the bore of said stator and to the tire of the vehicle, said means comprising a primary ring mounted on the ball race, an air distributing member, having radial openings and a central opening, and also having a concave seat, said central opening communicating with the bore of the body, means for yieldingly urging said seat against the spherical boss of the stator body, flexible membranes mounted in spaced apart relation on said air distributing member to form a chamber communicating with the said radial openings, outlet means on the primary ring in communication with the said chamber, and cover plates secured to the opposite sides of the rotor and sealing the rotor relative to the stator.

2,418,731
KNOCKDOWN BABY CHAIR
John H. Seitz, Astoria, Long Island, N. Y.
Application April 27, 1945, Serial No. 590,546
6 Claims. (Cl. 155—127)

1. A sectional slide together baby chair comprising two sides each having a tray supporting shoulder, a back, a seat, and a tray adapted to be supported upon said shoulders, means secured to said back having forwardly extending legs spaced from the side edges thereof forming grooves for the rear edges of said sides, means secured to the rear edges of said sides having inwardly extending legs engaging the rear face of said back, means on the inner faces of said sides and back and on the bottom of said seat for supporting said seat from said sides and back, and shoulder means including sockets on the outer top sides of said sides and on the bottom of said tray, substantially all of said means being adapted for assemblage of said parts together by sliding fits without the use of tools.



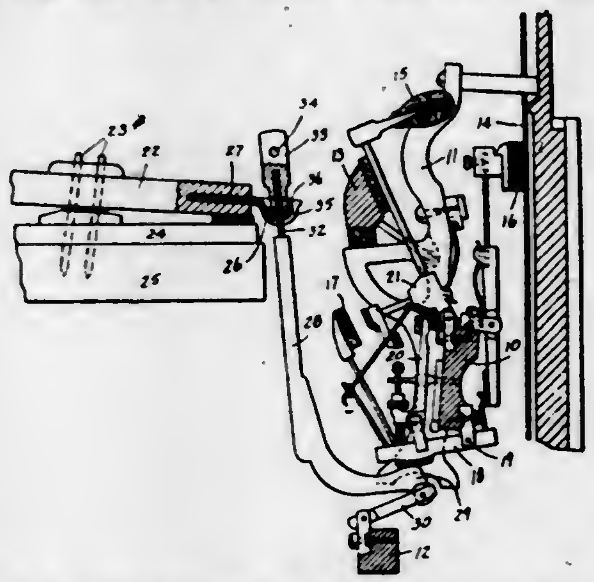
2,418,732
GRATE WITH WATER COOLED BARS
Ernest Singy, Geneva, Switzerland, assignor to Ygnis S. A., a corporation of Switzerland
Application May 19, 1945, Serial No. 594,665
In Switzerland May 31, 1944
10 Claims. (Cl. 122—374)



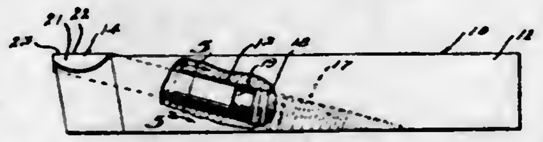
1. A furnace grate with water cooled bars, said grate having a double row of steps formed by the hollow bars superposed one above the other, said bars being curved in the shape of a U, the lateral branches of said U having a spread growing progressively from the upper bar, said upper bar being topped by a hollow element shutting off in the upward direction the internal space of the grate which is located below and between the branches of said bars, passages being provided for the air required for the combustion, said passages connecting said internal space of said grate to the space external thereto, with the result that the surface presented by said steps is much greater than that embraced by the U of the lower bar and which would correspond to the surface of an ordinary horizontal grate for the same furnace.

2,418,733
PIANO ACTION
Ralph W. E. Sperry, De Kalb, Ill., assignor to The Rudolph Wurlitzer Company, Chicago, Ill., a corporation
Application August 13, 1943, Serial No. 498,461
2 Claims. (Cl. 84—240)

1. In an upright piano having a keyboard and a string, a hammer action mounted in front of said string with a wippen disposed below the level of the keyboard, a key fulcrumed on said keyboard, a rigid drop lever sticker extending downwardly from adjacent the operative end of said key with its lower end positioned to impart movement to said wippen, a supporting head for said sticker having a rounded bearing end, a shank member extending between and in adjustable threaded engagement with the upper end of said sticker and the lower end of said head for adjustably securing them in spaced relation, and a bearing cup secured to the end of said key having a rounded bearing support for and conforming to the rounded bearing end of said head and a receiving slot therein for receiving said shank, said cup having a depth greater than the exposed portion of said shank for preventing said head from becoming unseated therefrom when said key and sticker are in substantially normal position.



2,418,734
TOOL HOLDER
Milton J. Steffes, Dearborn, Mich., assignor to Super Tool Company, Macomb County, Mich., a partnership
Application August 2, 1945, Serial No. 608,522
5 Claims. (Cl. 29—96)

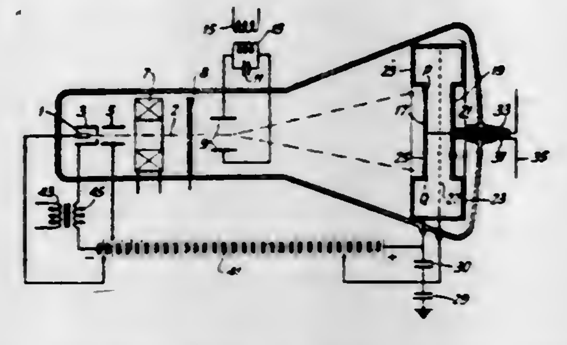


1. A bit holder comprising an elongated body member having a top, bottom and side faces and a forward and rear end, and having an aperture therein extending along the lonigtudinal dimension from the junction of a side and top face downwardly toward the bottom face and transversely toward the other side face and breaking out through said body member rearwardly of the forward end, and a thread in said aperture adjacent to the point where said aperture breaks out through said body member, said body member having a slot in its forward end communicating with said aperture, said body member also having a threaded aperture extending through said slot for receiving a screw by which a bit is clamped in said first aperture when disposed therein.

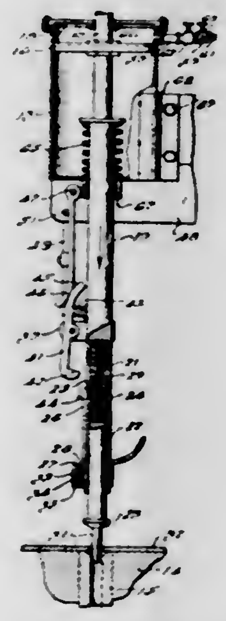
2,418,735
OSCILLATION GENERATOR INCLUDING A CATHODE-RAY TUBE
Maximiliaan Julius Otto Strutt and Aldert van der Ziel, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application March 23, 1943, Serial No. 480,195
In the Netherlands July 11, 1940
7 Claims. (Cl. 315—5)

1. An electronic device comprising an evacuated envelope containing an electron gun for

emitting a focused electron beam, deflecting means along the trajectory of said gun for periodically deflecting said beam, a metallic shell constituting a cavity resonator and having two opposed walls which are spaced apart in accordance with a functional requirement concerning the transit time of electrons passable therebetween, a suppressor grid electrode substantially midway between and lying in a plane parallel to said opposed walls of said cavity resonator, said shell having a peripheral wall constituting a metallic connection between said two opposed walls, one of said opposed walls having apertures in registry with said trajectory for the intermittent entry into said cavity resonator of electrons emitted by said gun, and an output circuit comprising two conductors individually connected to each of said opposed walls.

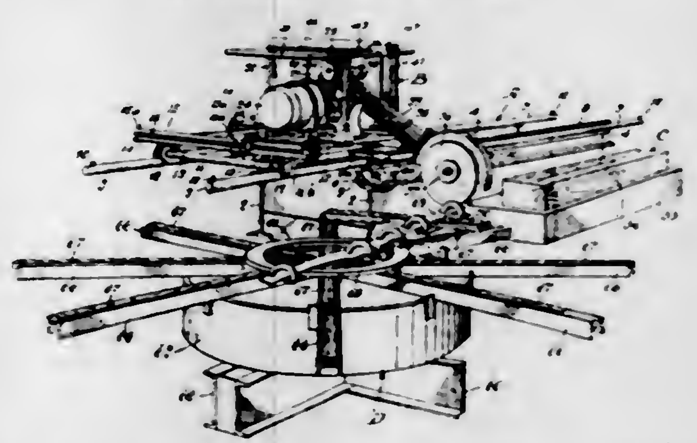


2,418,736
DIMPLING MACHINE
Fred J. Styes, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey
Application September 30, 1943, Serial No. 504,368
3 Claims. (Cl. 153—21)



1. In a device for dimpling the metal about apertures in a sheet of material, a stationary base for supporting the sheet at a fixed level during the entire cycle of operation, a dimpling die element rigidly supported by said base, a standard above said base, a cylinder on said standard, a piston in said cylinder, a rod on said piston, a mating die element movable on said rod and disposed in alignment with said first die element, a pilot carried by, and rigid with, said movable die element above the sheet to be worked upon, releasable retaining means for retaining said movable die element and pilot out of contact with the sheet, the base and both die elements exclusively making contact with said sheet during operation, means for releasing said retaining means to permit the end of the pilot to engage the surface of the sheet, a valve for controlling the flow of fluid to and from the cylinder, a timing element for controlling the duration of the operation of the dies when relatively moved toward each other and while remaining in contact during the dimpling operation, means for returning said valve to its initial position when the timing device is de-energized for procuring the movement of the piston and rod to their initial position, means for securing said movable die element and pilot to the piston rod for moving the pilot out of the dimpled aperture, means for releasing the die and pilot near the end of the upward movement of the piston rod for permitting the end of the pilot to again drop into engagement with the surface of the sheet, and means for rendering said releasing means ineffective for interrupting the operation of the device after the pilot has been withdrawn from the sheet.

2,418,737
FOUNDRY CUTOFF MACHINE
Henry H. Talboys, Milwaukee, Wis., assignor to Nordberg Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin
Original application January 28, 1943, Serial No. 473,812, now Patent No. 2,405,468, dated August 6, 1946. Divided and this application February 5, 1945, Serial No. 576,186
8 Claims. (Cl. 51—98)

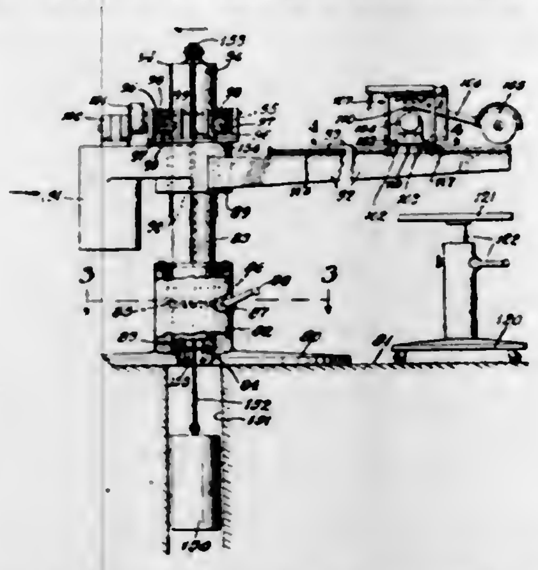


1. In a castings trimmer, a base, a carriage, means for guiding it for generally horizontal movement along said base, a turn table on said carriage rotatable about a generally vertical axis, an arm on said turntable rotatable about a generally horizontal axis, a rotary cutter mounted adjacent the outer end of the arm and means for rotating it, and castings supporting means positioned adjacent the base, located laterally out of line with the path of movement of the carriage, but within the radius of movement of the arm, said supporting means including a turntable upon which castings may be positioned, said turntable having radially extending radially adjustable supporting elements.

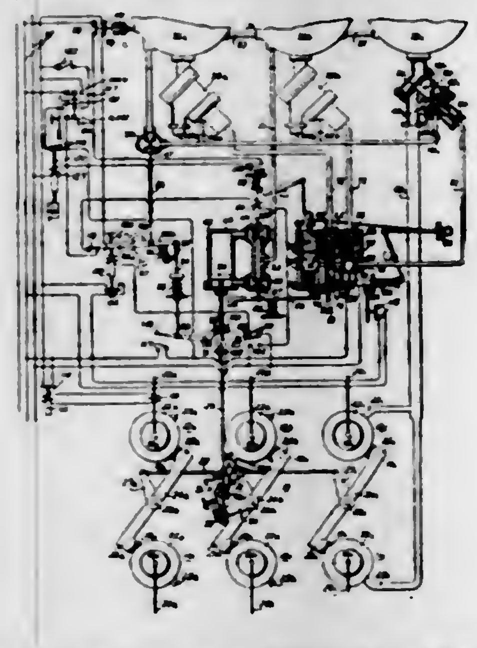
2,418,738
FOUNDRY CUTOFF MACHINE
Henry H. Talboys, Milwaukee, Wis., assignor to Nordberg Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin
Application April 13, 1945, Serial No. 588,181
9 Claims. (Cl. 51—98)

2. In a castings trimmer, a base, a pair of parallel generally horizontal rails on said base, a carriage longitudinally movable on said rails, a turntable rotatably mounted on said carriage, an arm mounted on said turntable for rotation about a

horizontal axis, a horizontally axised cutter, rotatably mounted on said arm and means for actuating it and means for supporting the castings to be trimmed.



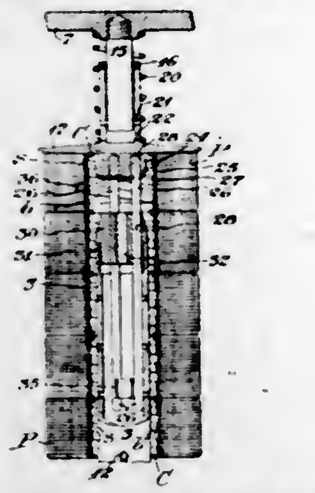
2,418,739
CIRCUIT BREAKER OPERATING SYSTEM
Carl Thumim, Yeadon, and Alexander C. Boisseau, Lansdowne, Pa., assignors to General Electric Company, a corporation of New York
Application November 29, 1940, Serial No. 367,789
20 Claims. (Cl. 175—294)



1. In combination, a polyphase power circuit, a polyphase electric circuit breaker for controlling said circuit comprising cooperating interrupting contacts and cooperating isolating contacts serially connected with said interrupting contacts in each phase of said circuit breaker, said interrupting contacts for each phase of said polyphase electric circuit breaker being operable independently of the interrupting contacts for the other phases of said electric circuit breaker, means for controlling the isolating contacts for all of the phases as a unit for gang operation, means for opening said interrupting contacts, means for opening said isolating contacts subsequent to the opening of said interrupting contacts, and means for preventing the opening of said isolating contacts until all of said interrupting contacts have opened.

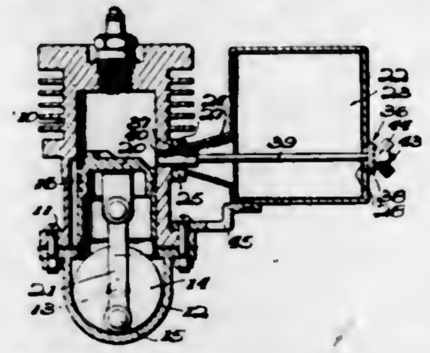
19. An electric circuit breaker comprising a pair of cooperating arcing contacts, a pair of cooperating disconnecting contacts serially connected with said arcing contacts, means for opening said arcing contacts, means for closing said disconnecting contacts, means for reclosing said arcing contacts, and means for causing sequential operation of the first, second and third said means in the order recited.

2,418,740
DEVICE FOR HOLDING PACKAGES OF YARN OR THE LIKE IN DYEING OR SIMILAR PROCESSES
William Allen Traver, Barrington, R. I., assignor to Franklin Process Company, Providence, R. I., a corporation of Rhode Island
Application April 27, 1945, Serial No. 590,606
6 Claims. (Cl. 68—198)



1. In a dyeing or similar apparatus, the combination of a perforated standpipe, an extension member slidably mounted at the end of the standpipe to adapt it to be extended longitudinally therefrom or to be telescoped within the standpipe, and friction means for retaining said extension member in any position to which it is adjusted on the standpipe.

2,418,741
EXHAUST PORT ASSEMBLY
Judson Williams, Philadelphia, Pa.
Application June 2, 1944, Serial No. 538,459
9 Claims. (Cl. 60—29)



1. An exhaust port assembly for internal combustion engines including an exhaust port tube formed to frictionally fit in the exhaust opening of an engine cylinder engaged with the cylinder solely by the friction fit between the parts, and means connected with said tube and adapted to project externally of the engine in a position to be manually grasped for withdrawing the tube while the engine is in operation

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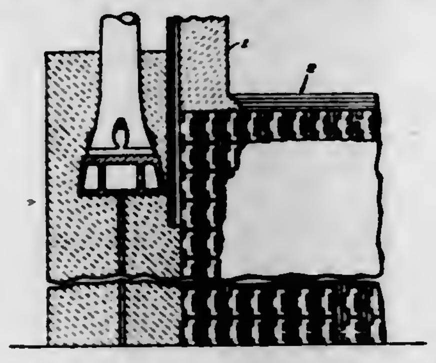
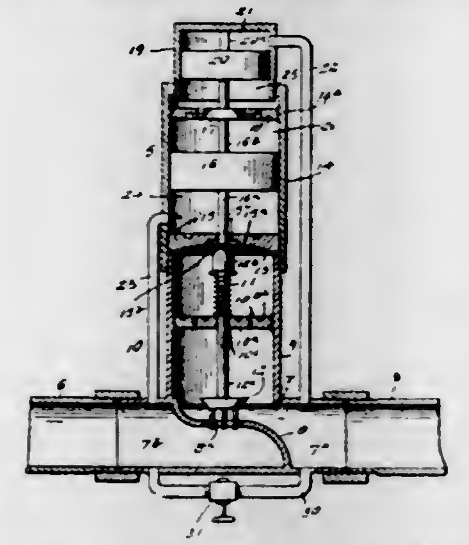
2,418,742
BLAST FURNACE BOTTOM
Albert B. Agnew, Indiana, Pa., and Frank J. Rief, Chicago, Ill.
Application January 5, 1944, Serial No. 517,044
1 Claim. (Cl. 266—43)

A blast furnace bottom formed of a deep mass of vertically disposed bricks superposed in broken horizontal courses and each brick having a rectangular parallelepiped body with a pair of its opposite vertical faces divided into two adjacent vertically disposed bands of like width, one band on each face being provided medially with a flat faced rib of parallelepiped form which extends substantially half the vertical depth of the brick and with vertically adjacent recesses of like form each extending substantially one-quarter of the vertical depth of the brick, the other band on the same face being provided medially with a coextensive and correspondingly shaped recess horizontally opposite to said rib and with coextensive and correspondingly shaped ribs horizontally opposite to said first-mentioned recesses, each of said ribs and recesses on one face being opposite to a corresponding recess and rib, respectively, on the other face, adjacently disposed bricks constituting said mass medially overlapping each other both vertically and horizontally, and the ribs of each brick interlocking with recesses of adjacent bricks, whereby each whole brick throughout the main body of the mass is engaged on each of its said faces by four horizontally adjacent bricks and is thereby restrained from floating upwardly into molten metal and paths of downward flow of molten metal are interrupted by horizontal adjacent faces of the inter-engaging ribs.

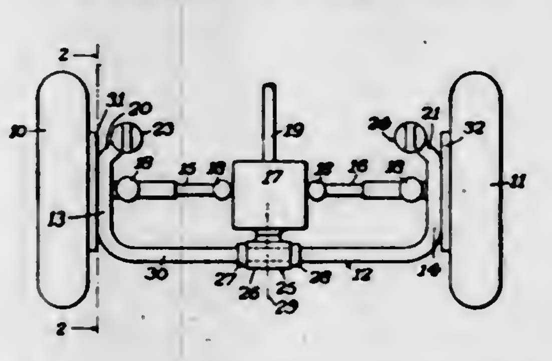


2,418,743
PROTECTIVE UNIT FOR FLUID LINES
Ora D. Baker, Tacoma, Wash.
Application October 15, 1943, Serial No. 506,435
11 Claims. (Cl. 137—153)



1. A protective control unit for supply mains of fluid supply systems, wherein the system normally provides fluid delivery from a supply tank to service points of the main at will with the unit inactive to disturb such fluid delivery, and wherein the unit is rendered active by abnormal or disruptive action of or on the main in the vicinity of the unit to thereby cause the unit to automatically close the main to fluid delivery from the tank to the affected point of the main, such unit comprising a sectional casing having a base zone forming a flow path for the flow of fluid therethrough, said zone having a valve seat located within such flow path of predetermined dimensions, a normally-open reciprocatory valve for said seat provided with a stem, said valve having a configuration to permit valve movements in a seating direction within a service range without materially affecting delivery flow of fluid through such seat, and means carried by the unit and subject to fluid pressure conditions on opposite sides of such seat for providing and controlling movements of the valve in the direction of its seat, said means including a pair of unconnected but co-operative axially alined pistons differing in areal dimensions, the piston of lesser areal dimension being subject to the pressure conditions of the inlet side of the seat and the piston of larger areal dimensions being subject to the pressure conditions of the outlet side of the seat to thereby place the pressure conditions of such outer side as dominant in control of the valve movements in its seating direction, said means also including a pair of resilient elements co-operative as a combined resistance to valve movements in the direction of valve closure and active in determining and establishing a service range for the valve within which the valve movements are ineffective in materially disturbing the delivery flow of fluid through the seat, said elements being additionally co-operative to reduce resistance values during valve movements in the valve-closing direction beyond such range to thereby provide rapid closing action of the valve in presence of abnormal rate of flow through said unit.

2,418,744
SUSPENSION SYSTEM FOR ROAD VEHICLES AND THE LIKE
Leslie Mark Ballamy, Caterham, and Richard Hasell Sheepshanks, Eyke, Woodbridge, England
Application October 18, 1943, Serial No. 506,740
In Great Britain October 23, 1942
11 Claims. (Cl. 180—73)



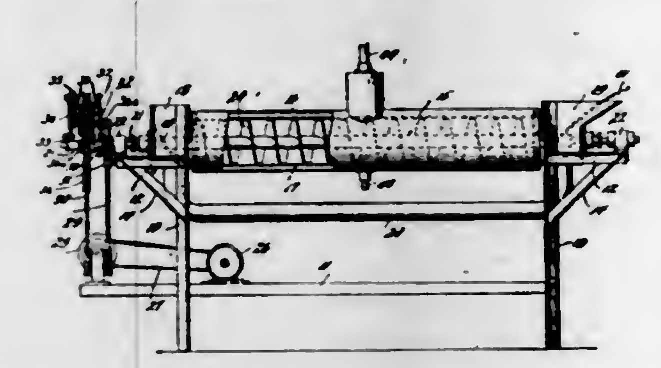
3. A mounting for the rear wheels of a motor vehicle, including a transverse member having at an intermediate point an attachment to the vehicle body to prevent vertical movement of the transverse member relative to the vehicle body at the point of attachment, while allowing said transverse member to rock in a vertical plane about its middle, and to revolve about a transverse axis, a pair of arms extending forwardly from the transverse member and carrying the said driving wheels, brakes upon the wheels having their non-rotating parts anchored to the arms so that said arms provide the brake reaction, and resilient suspension means between the vehicle body and the arms forward of the transverse member, to urge the arms downwards about said transverse axis of mounting of the transverse member and thus apply the body load to the wheels.

4. A mounting according to claim 3, including a differential gear box by which the wheels are driven, the pivotal mounting of the transverse member being attached to the said differential gear box, at the rear thereof.

2,418,745
QUICK FREEZING OF FOODSTUFFS
Luis H. Bartlett, Austin, Tex., assignor to Texas Research Corporation, Austin, Tex., a corporation of Texas
No Drawing. Application March 24, 1941, Serial No. 385,012
22 Claims. (Cl. 99—192)

1. The process of quick freezing food articles which consists in bringing the articles into direct contact with a metastable polyphase refrigerating medium containing a sugary freezing point lowering solute and finely divided particles of the solid phase of the solvent, separating from the articles the major portion of the adhering solution, and refrigerating the medium to remove the heat taken up by the medium during the quick freezing of the articles at such rate as to form further finely divided particles of the solid phase of the solvent.

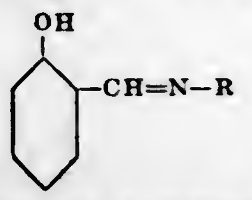
2,418,746
FOOD FREEZING MACHINE
Luis H. Bartlett, Willis R. Woolrich, and Howard E. Brown, Austin, Tex., assignors to Texas Research Corporation, Austin, Tex., a corporation of Texas
Application September 27, 1941, Serial No. 412,648
25 Claims. (Cl. 62—114)



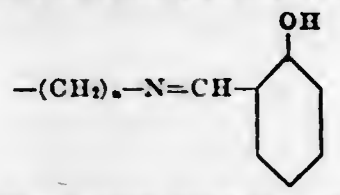
1. In a quick freezing machine of the type employing a heat transfer medium in contact with the articles to be frozen, a member having therein a passageway, means for chilling the surface of the passageway below the initial freezing point of the heat transfer medium, an agitator for freeing the wall of the passageway from adhering frozen particles and for moving the heat transfer medium and the refrigerated articles thru the passageway, and power means for imparting to the agitator an irregular motion, including a constant series of short forward movements alternating with periods of dwell, whereby the particles are advanced in a series of impulses.

2,418,747
NONDIFFUSING PHENOLIC COLOR COUPLERS
Abraham Bavley, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application May 20, 1944, Serial No. 536,602
4 Claims. (Cl. 95—6)

1. A photographic silver halide emulsion layer having incorporated therein a color forming development component having the following formula:



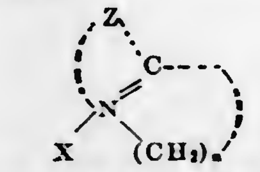
in which R stands for a member of the group consisting of the residues of monohydroxy primary alkylamines containing at least 8 carbon atoms and esters thereof and the group



in which n is an integer greater than seven.

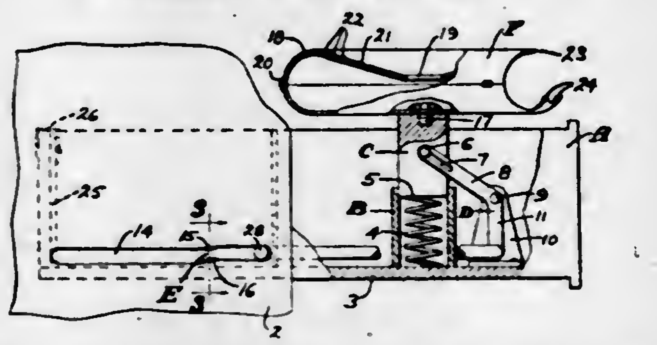
2,418,748
HETEROCYCLIC COLOR COUPLERS
Abraham Bavley, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application June 7, 1944, Serial No. 539,177
6 Claims. (Cl. 95—6)

1. A photographic silver halide emulsion having incorporated therein, as a color forming development component, a compound having the following formula:



wherein Z represents the necessary atoms to make up a radical selected from the group consisting of 5 and 6-membered N-hetero rings, and n is a whole number of from 2 to 4, and X represents halogen.

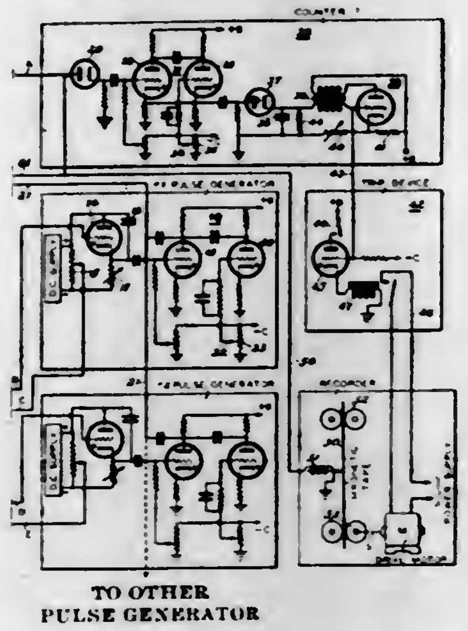
2,418,749
VEHICLE MOUNTED ASH TRAY
Frank Rhodes Berry, Jr., Clarks Green, Pa.
Application August 23, 1946, Serial No. 692,651
4 Claims. (Cl. 206—19.5)



1. In a device of the character described comprising, an automobile dashboard or the like having an opening defined by spaced vertical side walls interconnected by a top, a receptacle having an open top and adapted to slide horizontally into and out of the opening, an ash tray in said receptacle mounted for vertical movement therein, a resilient means normally urging said ash tray to its elevated position, and means engaging the side walls of the opening and operating to retract the ash tray to its lowered position when the receptacle and ash tray are in or being moved into the dashboard opening.

2,418,750
SIGNAL DETECTION SYSTEM

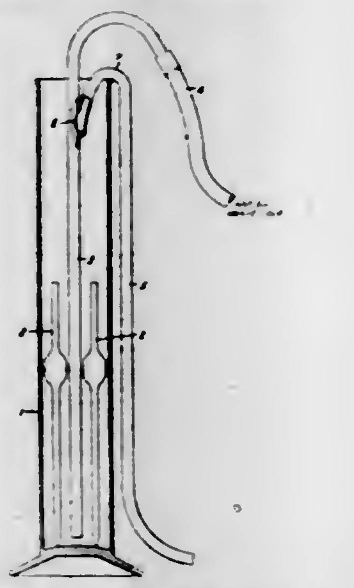
Warren H. Bliss, Oreno, Maine, and J. Ernest Smith, Jackson Heights, N. Y., assignors to Radio Corporation of America, a corporation of Delaware
Application September 4, 1942, Serial No. 457,282
20 Claims. (Cl. 250—20)



12. In a signal receiving circuit, a tunable receiver, means for periodically tuning said receiver over a selected band of frequencies, a recording system, and means for rendering said system operative comprising a signal persistence circuit coupled to said receiver and responsive solely to the presence of signals to be detected which appear over a predetermined number of successive cycles of tuning.

2,418,751
PIPETTE WASHER

John H. Brewer, Baltimore, Md., assignor to Hynson, Westcott & Dunning, Incorporated, a corporation of Maryland
Application May 3, 1944, Serial No. 533,872
2 Claims. (Cl. 137—20)



1. A washer comprising a siphon device having a main tube adapted to be connected at one end to a source of washing liquid and to be positioned with its other end extending downwardly into a container and a branch tube connected to said main tube intermediate the ends thereof, said branch tube being adapted to extend over the edge of the container and downwardly outside the container when said main tube is positioned within said container, the opening through the main tube being restricted at a point between its connection to the branch tube and said other end thereof to a size which is smaller than the passageway through said branch tube including its connection to said main tube.

2,418,752
YARN HAVING THE TWIST SET THEREIN WITH AN UNCTUOUS SOLID

Kenneth R. Brown, West Chester, Pa., assignor, by mesne assignments, to American Viscose Corporation, a corporation of Delaware
No Drawing. Application April 24, 1943, Serial No. 484,493
16 Claims. (Cl. 57—140)

1. Twisted textile filamentary material having the twist therein set with an unctuous solid having a melting point between about 30° C. and 70° C. comprising a higher fatty acid ester of an ether condensation product of a polyol having at least three hydroxyl groups with an olefine oxide, the hydroxyl groups in the ether condensation product being substantially completely esterified, at least two thirds of the acid radicals in the ester being saturated, and the acid radicals therein having at least 16 carbon atoms in a straight chain.

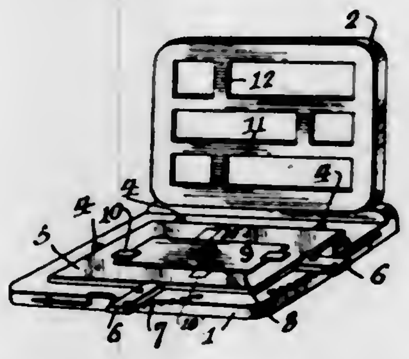
2,418,753
EXPLOSIVE PURIFICATION

Jerome G. Burtle, Alton, Ill., assignor to Olin Industries, Inc., a corporation of Delaware
No Drawing. Application October 2, 1944, Serial No. 556,909
14 Claims. (Cl. 260—248)

1. The method of purifying cyclonite by subjecting crude cyclonite to a bath containing a perborate.

2,418,754
METHOD FOR REGISTERING NEGATIVES

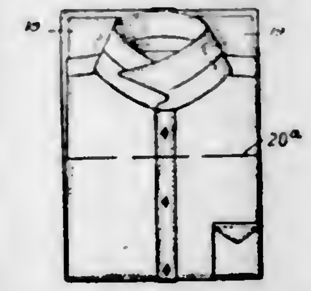
Laurent Brunet, Montreal, Quebec, Canada
Application April 13, 1944, Serial No. 530,781
1 Claim. (Cl. 95—74)



The method of mounting negatives in a registering relation on transparent plates, consisting in locating a plate in a frame, taping separately negatives one over the other on said plate in registered relation, laying a transfer cover on said frame, said cover having a lattice structure, transferring the upper negative to said cover by taping it to the edges of openings formed in said cover and untaping it from said plate, lifting the cover and removing said plate, locating another plate in said frame, again laying the cover upon said frame in its former position, and taping said upper negative to said second plate and then untaping it from said openings, the second plate being removed and placed with first plate on a printing frame ready for printing in registering relation.

2,418,755
METHOD OF FOLDING SHIRTS

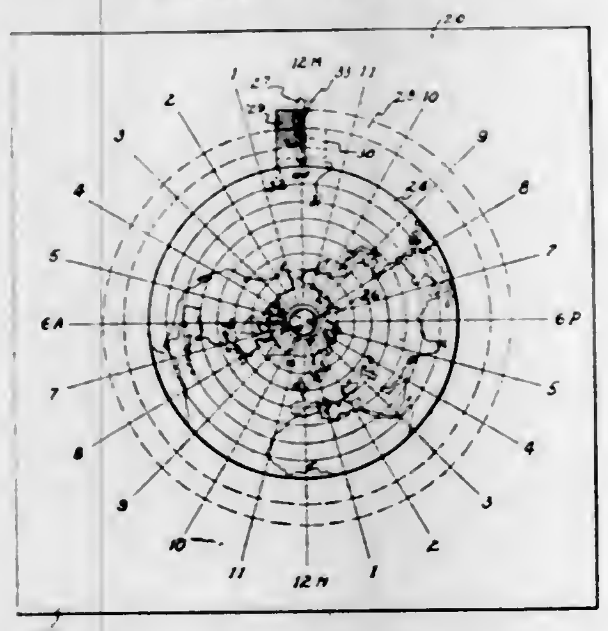
Richard C. Campbell, North Plainfield, N. J.
Application April 1, 1944, Serial No. 529,076
2 Claims. (Cl. 223—37)



1. A method of folding shirts of the attached collar type in which the collar is folded upon itself on a folding line which extends the length of the collar, said method consisting of opening the collar, folding the collar flat on a pair of spaced folding lines which extend transversely of the first-mentioned folding line, folding the sleeves backwardly against the back of the shirt, with the outer cuffs flat against the back of the collar, folding the shirt backwardly upon the sleeves and then folding it frontwardly upon itself on a folding line parallel to the folding line of the last-mentioned folding operation and in overlying relation to the collar.

2,418,756
EDUCATIONAL DEVICE

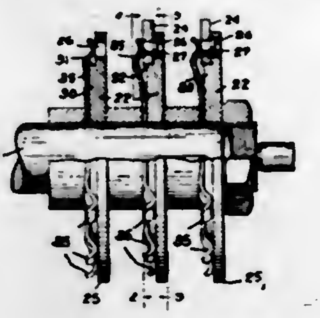
William C. Christy, Danville, Ill.
Application October 10, 1945, Serial No. 621,549
7 Claims. (Cl. 35—44)



1. An educational device comprising a plane surface base having therein journaling means for a bearing, a radial slot spaced therefrom, dials mounted for rotation in unison on opposite sides of the base, each dial having thereon a polar projected map of one hemisphere, the Northern Hemisphere being on one and the Southern Hemisphere on the other dial, said maps including lines of longitude, the perimeter of said dials corresponding to the equator, a bearing journaled in the said journaling means and attached to each dial, identifying numbers on said base corresponding to the hours of the day or lines of longitude, said slot lying radially on one of said lines, means associated with the dials for rotating them in unison, an ear attached to each of said dials and extending radially therefrom along a line corresponding to the 180th meridian, a member distinguishable in appearance from said base forming a loop of a spiral passing through said slot spaced from said map dials, one end being attached to the ear of one dial and the other end to the other ear.

2,418,757
CAM STRUCTURE

John E. Collins, Akron, Ohio, assignor to The Sinclair-Collins Valve Company, Akron, Ohio, a corporation of Ohio
Application September 15, 1944, Serial No. 554,195
1 Claim. (Cl. 74—568)

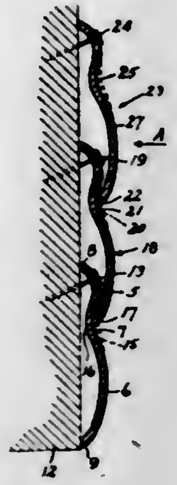


A cam structure comprising a pair of supporting discs superposed and axially aligned, one of said discs being of larger diameter than the other so as to provide an annular face portion on the larger disc extending radially beyond the peripheral edge of the smaller disc, and said peripheral edge of said smaller disc providing an annular shoulder spaced radially inwardly from the peripheral edge of the larger disc, a plurality of cam segments removably seated around said annular face portion of said larger disc each such segment having an inner edge portion in abutment with said annular shoulder and having a portion projecting radially outwardly beyond the peripheral edge of said larger disc, spring means for retaining said segments in predisposed position around the periphery of said larger disc comprising a spider element disposed adjacent said smaller disc, and having a central hub coaxial with both said discs, and a plurality of spring fingers radiating from said hub, each such spring finger being adapted to operatively engage a respective segment, whereby such engaged segment is maintained in said predisposed position, and complementary interfitting means on said larger disc and on each of said segments said complementary means consisting of a series of bored apertures peripherally disposed adjacent the outer edge of said larger disc, but spaced inwardly from said outer edge, each said segment having a projection extending laterally therefrom, and seatable in a respective aperture for establishing the position of each said segment with respect to said larger disc.

2,418,758
STRIP MATERIAL

Joseph T. Cooper, Alhambra, Calif.
Application March 17, 1945, Serial No. 583,197
1 Claim. (Cl. 189—86)

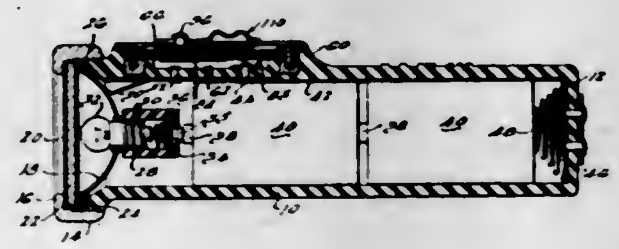
In building material, a plurality of flexible strips having relatively smaller convex portions and relatively larger convex portions connected laterally by concave portions, the longitudinal edges of the strip extending beyond the plane of the inner face of the concave portion, the lateral edges of the strip being unflanged and positioned in the same curved plane as the body portion of the strip, with the edge of the larger convex portion in the concave portion of an adjacent strip, fastening means to secure the smaller convex portion of the material to a supporting structure arranged to tend to flatten the material by the securing operation, the next successive strip covering said smaller convex portion and its fastening means.



2,418,759
FLASHLIGHT

William C. Crimmins, Marion, Ind., assignor to Delta Electric Company, Marion, Ind., a corporation of Indiana

Application September 21, 1944, Serial No. 555,062
4 Claims. (Cl. 200—60)



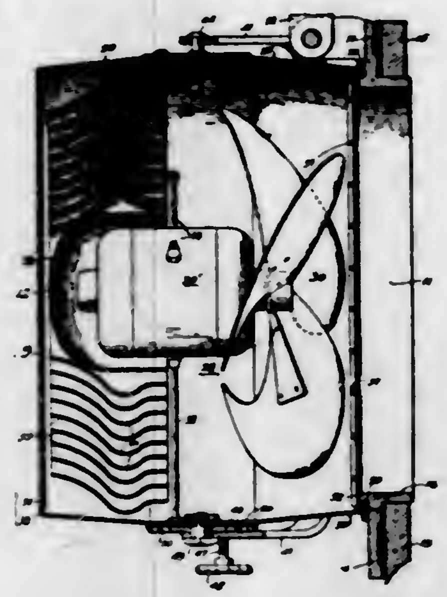
1. In a flashlight, in combination, a casing, a contact element carried by and exposed on said casing, a flexible diaphragm disposed over said contact in spaced relation thereto and supported and sealed to said casing around its margins, the first-mentioned contact being located adjacent one margin of said diaphragm, a second contact member secured to said diaphragm adjacent the opposite side thereof and extending from its point of securement to said diaphragm to a position over but normally spaced from the first-mentioned contact, and means for flexing said diaphragm whereby to cause said contacts to engage one another.

2,418,760
PIVOTALLY MOUNTED PORTHOLE BLACK-OUT VENTILATOR INCLUDING A MOTOR-DRIVEN FAN

Victor J. Cucci, Brooklyn, N. Y., assignor to Ilg Electric Ventilating Company, a corporation of Delaware

Application May 3, 1943, Serial No. 485,468
9 Claims. (Cl. 98—121)

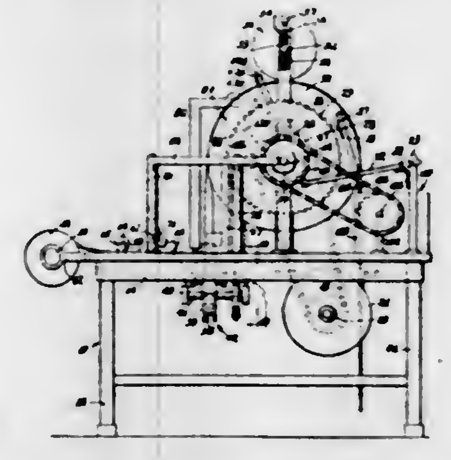
1. A ventilator for use with a standard ship porthole comprising, a cylindrical housing open at its ends, a motor-driven fan mounted within said housing, a plurality of louvers each formed with a portion offset between its lateral edges and so arranged in nested relationship in the annular space between said fan motor and housing as to form a plurality of axially-disposed sinuous passages with the boundary walls thereof so adjacent that they obstruct the transmission of direct light rays axially through said housing but permit the flow of air with negligible turbulence, and means for clamping either end of said housing in air- and light-tight engagement with said porthole frame when the normal closures for said porthole are retracted.



2,418,761
MACHINE FOR MAKING SLIDE FASTENER STRINGERS

Norman Dasher, New York, N. Y.

Application October 7, 1943, Serial No. 505,406
3 Claims. (Cl. 153—1)

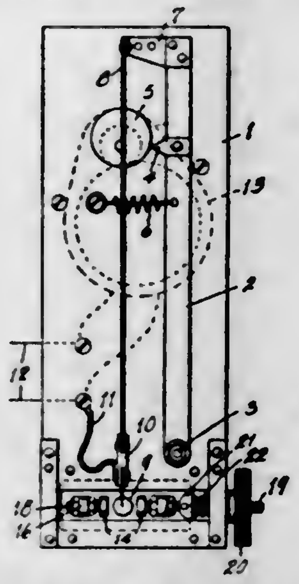


1. A machine for making slide fasteners having a tubular shaft and a concentric continuously driven inner shaft with a drum mounted on said tubular shaft and over which the completed slide fastener stringer is adapted to pass and means driven by said inner shaft for driving said tubular shaft in steps representing the distance between the scoops of slide fastener stringers, means for advancing a metal strip having spaced upwardly extending projections to a position adjacent said drum to have scoops stamped therefrom and clamped in position on the tape of said slide fastener, comprising a shoe engaging said strip and formed with spaced recesses engaging said projections, a pivotally mounted lever, a cam on said inner shaft engaging one end of said lever to pivot said lever to move said shoe to advance said strip, a spring for returning said lever to its starting position, and means pivotally connecting said shoe to the other end of said lever to be operated thereby.

2,418,762
THERMOSTAT

William A. Dehn and Adam E. Armstrong, Three Rivers, Mich., assignors to Armstrong Machine Works, Three Rivers, Mich., a corporation of Michigan

Application October 27, 1943. Serial No. 507,777
12 Claims. (Cl. 200—139)

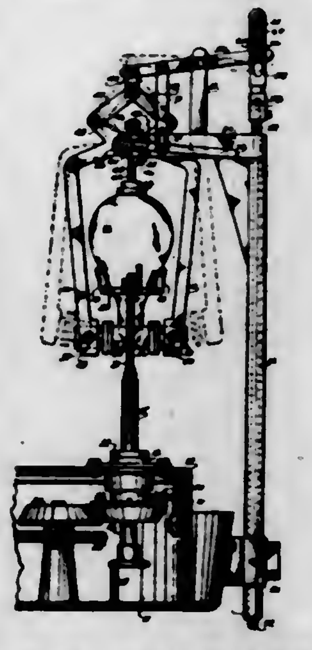


1. In a thermostat, the combination with a base plate, of an arm pivotally mounted on one side of said base plate and provided with a laterally projecting forwardly offset bracket at its swinging end, a bimetallic blade-like thermal element mounted on said bracket in substantially parallel relation to said arm, said thermal element being provided with a contact element at its free end, a cam, a follower on said arm coacting with said cam, a spring acting to urge said follower to said cam, a synchronous motor on the opposite side of said base plate having driving connection to said cam, a contact member supporting slide mounted on said base plate for adjustment transversely of said thermal element, threaded adjusting means for said slide, and a pair of contact members mounted on said slide for coaction with said contact on said thermal element.

2,418,763
MACHINE FOR SEALING AND MOLDING GLASS BULBS

Charles Eisler, South Orange, N. J.

Application February 18, 1944, Serial No. 522,942
1 Claim. (Cl. 49—2)

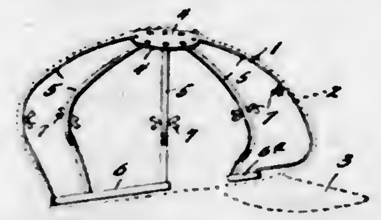


In a machine for molding glass bulbs, comprising a bulb support, a molding mechanism comprising a standard, bell crank arms pivoted on the standard, a lift rod, a pivoted arm and links connecting the lift rod and the bell crank arms, molds at the ends of the bell crank arms, spring means in said machine selectively compressed and expanded responsive to movement of said lift rod for softening the approach and the pressure of the molds on the bulb, a disc for engaging the top of the bulb and slidable in the molding mechanism standard, a rack for moving the disc, a pinion in engagement with the rack, an arm for moving the pinion, and a link connecting the pivoted arm for operating the mold bell crank arms and the arm for moving the pinion whereby the disc is caused to engage the top of the bulb when the molds engage the bottom of the bulb.

2,418,764
CAP FRAME

Martin J. Ford, Scranton, Pa.

Application September 10, 1945, Serial No. 615,391
3 Claims. (Cl. 2—199)

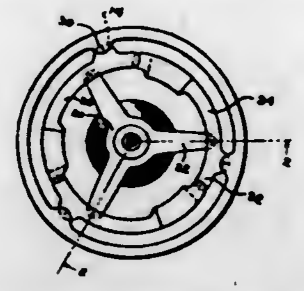


1. A skeleton frame adapted to be inserted into caps made of flexible material for holding the material of the caps largely out of contact with the hair of the head, said frame comprising a series of radially-disposed ribs made of springy material, said ribs being bowed and corresponding in curvature generally to the curvature of the inside of the cap, and contour strips connecting the ribs overlying the rear and fore parts of the head, said contour strips together constituting an interrupted ring extending adjacent the rim of the opening of the cap.

2,418,765
SPRINKLER UNIT

Howard G. Freeman, Worcester, Mass., assignor to Rockwood Sprinkler Company of Massachusetts, Worcester, Mass., a corporation of Massachusetts

Application January 4, 1945, Serial No. 571,219
6 Claims. (Cl. 169—39)

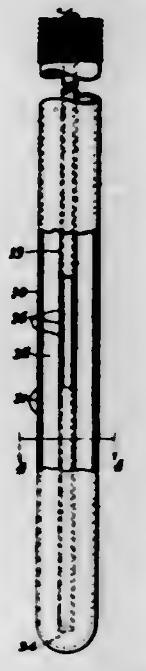


1. A sprinkler head having a closure, a supporting base, a plurality of struts arranged about the closure in successive overlying and mutually supporting relationship, supporting means on the base overlying and engaging the individual struts, and a pressure member engaging the closure and having legs underlying and engaging the individual struts, said supporting means retaining the struts in assembled relationship against the pressure exerted thereon by the pressure member, each strut having a fusible portion.

2,418,766

GASEOUS FLUID-LIQUID SPRAY NOZZLE FOR TEMPERING GLASSWARE

Thomas D. Green, West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware
Application June 5, 1942, Serial No. 445,913
2 Claims. (Cl. 299—142)

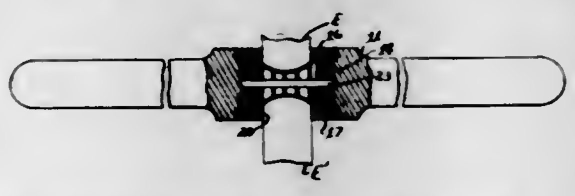


2. A nozzle of the character described for use in tempering hollow glass articles, said nozzle comprising an elongate hollow body closed at one end and adapted at its opposite end for connection with a source of supply of a cooling fluid under pressure, said elongate hollow body having spaced jet holes in the wall thereof, and an inner tubular conduit for fluid extending within said elongate hollow body longitudinally thereof and provided with jet holes opening toward and approximately in radial alignment with said first named jet holes.

2,418,767

ELECTRODE TRIMMER

Preston M. Hall, Worcester, Mass.
Application November 4, 1944, Serial No. 562,005
3 Claims. (Cl. 90—12)



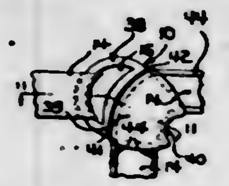
1. An electrode trimmer comprising a frame member, a pair of trimmer plates mounted in opposed and spaced relation in said frame member and having recessed and contoured outer faces, said plates being perforated to provide openings parallel with the electrodes to be trimmed and said openings providing cutting edges in said contoured faces, and means to rotate said frame member and plates in contact with a pair of aligned electrodes to be trimmed, said frame member being formed of electrically insulating material, separate fastening devices being provided in said frame member for each opposed plate, and all parts of said fastening devices for one plate being spaced and insulated from all parts of said fastening devices for the other plate, whereby said trimmer plates are electrically insulated from each other and any short circuit between the plates or the fastening devices or the aligned electrodes to be trimmed is avoided.

3. In an electrode trimmer, a rotatable trimmer plate of substantial thickness and having flat upper and lower surfaces and having a contoured concave recess of revolution in one surface, with the axis of said recess perpendicular to the flat surfaces of said plates, and said plate having a plurality of closely adjacent and relatively small cylindrical passages extending through said plate in said recessed portion and parallel to the axis of said plate, said cylindrical passages providing cutting edges in the contoured concave surface of the recess, every cylindrical passage having its longitudinal axis out of alignment with the axis of the plate, and said cylindrical passages collectively providing cutting edges effectively redressing the whole surface of an electrode which is engaged by said contoured portion of said trimmer plate as said plate is rotated.

2,418,768

SELF-ADJUSTING MAN'S GARTER

Maurice M. Halliss, Kew Gardens, N. Y.
Application February 14, 1945, Serial No. 577,775
3 Claims. (Cl. 2—316)

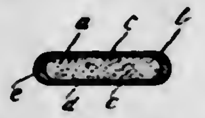


1. A self-adjusting man's garter, comprising a detachable and adjustable hose gripping device, a flat hook-like ring clip having a flat base continuing into a short arcuate neck continuing into a flat top hook portion, said clip being flanged to form a groove, a garter strap attached to said flat base for extending about one's leg and then through said clip and then down for connection with the top of a piece of hose by said detachable and adjustable gripping device, and an outer edge of said strap extending through said clip and having a flexible bead engaging in said groove.

2,418,769

FUZE FOR BOMBS, PROJECTILES, AND THE LIKE

Hugh Charles Hebard, Northwood, England
Application March 20, 1943, Serial No. 479,938
In Great Britain June 13, 1941
3 Claims. (Cl. 102—85)



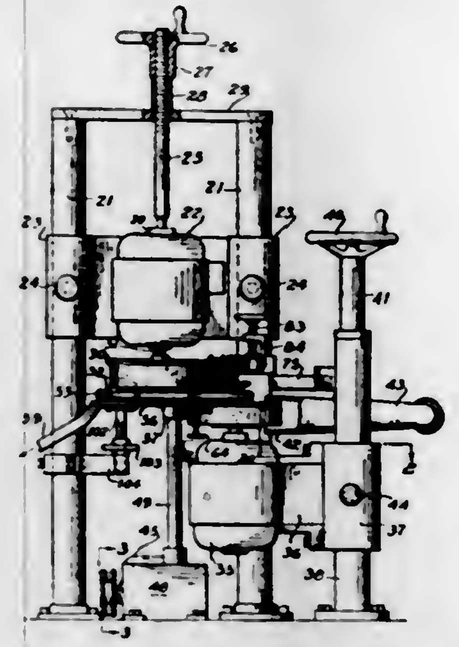
1. A fuse comprising an elongated core composed of combustible material, and a flat tubular sheath of low fusing point metal surrounding and extending longitudinally of the core, the thickness of the sheath along at least one side thereof being less than its thickness along its edges.

2,418,770

GRINDING MACHINE FOR COIL SPRINGS

Arthur T. Holister and Frank O. Holister, Los Angeles, Calif.
Application November 15, 1943, Serial No. 510,272
11 Claims. (Cl. 51—118)

6. In a grinding machine for coil springs, a rotary grinding element having a grinding surface, an abutment plate spaced opposite the grinding surface at a dimension to maintain springs under tension against such surface, the abutment plate being bent away from said grinding surface near the end of such surface, considering the direction of travel of springs across said surface, to relieve tension of the springs at least partially before they leave the grinding surface, and carrier means mounted to slide coil springs between the grinding surface and the abutment plate.



2,418,771

THREAD, YARN, FILAMENT, AND THE LIKE

John Irwin, Jr., New York, N. Y.
Application December 15, 1943, Serial No. 514,326
1 Claim. (Cl. 2—275)

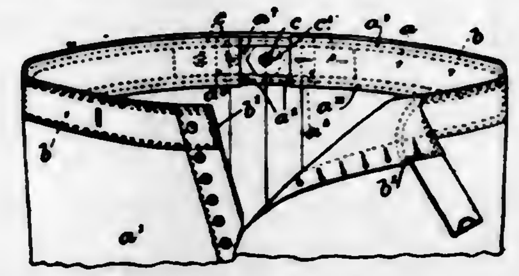
An article of cloth or natural textile fabric of any color, sewed or stitched with thread comprising a strand or filament passed through interstices or openings therethrough composed of substantially transparent material of plastic adapted to blend with the color of the cloth or fabric and to simulate color thereof, whereby there will be no contrast between the cloth or fabric and the thread or strand or filament of such plastic material and to blend with and appear of the same color or shade as the cloth or fabric.

2,418,772

MEANS FOR SUPPORTING TROUSERS AND SUCH LIKE

Ernest Arthur Jackson, Manchester, England, assignor to Kay & Lee Limited, Manchester, England, a British company
Application September 30, 1944, Serial No. 556,501
In Great Britain October 19, 1943
3 Claims. (Cl. 2—235)

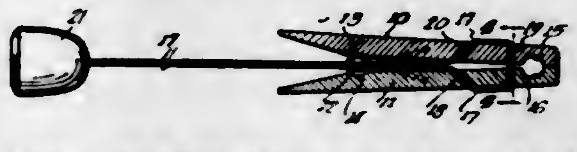
1. Means for supporting a garment about the waist of a wearer, comprising a tunnel-like passageway formed in the waist band of said garment, an elastic belt disposed within said passageway, the said belt being attached by its ends to the front portion of the waist-fitting part of the garment, spaced vertical pleats in the material constituting the said passageway, the underlying folds of said pleats being provided with slits for the passage of the belt, and length adjusting means carried by said belt and disposed within the space formed between the said pleats.



2,418,773

FUSE CHANGER

Henry J. Kahanek, Dallas, Tex.
Application September 9, 1944, Serial No. 553,444
3 Claims. (Cl. 81—3.8)

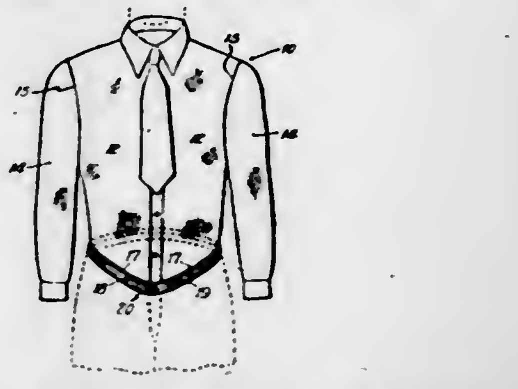


1. A fuse changing device including a pair of pivoted jaws, normally closed under spring tension and having complementary fuse engaging recesses at one end, a cord passing from one jaw to the other through spaced apart openings in each jaw and extending between said apertures on the outside of said jaws, defining a loop interconnecting said jaws thence extending rearwardly between said jaws and adapted, when pulled, to exert a closing force on said jaws.

2,418,774

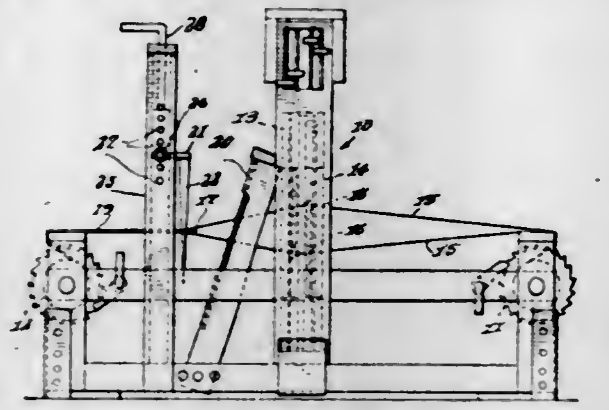
STAY-DOWN SHIRT

Sam Kats, Key West, Fla.
Application November 10, 1944, Serial No. 562,776
1 Claim. (Cl. 2—115)



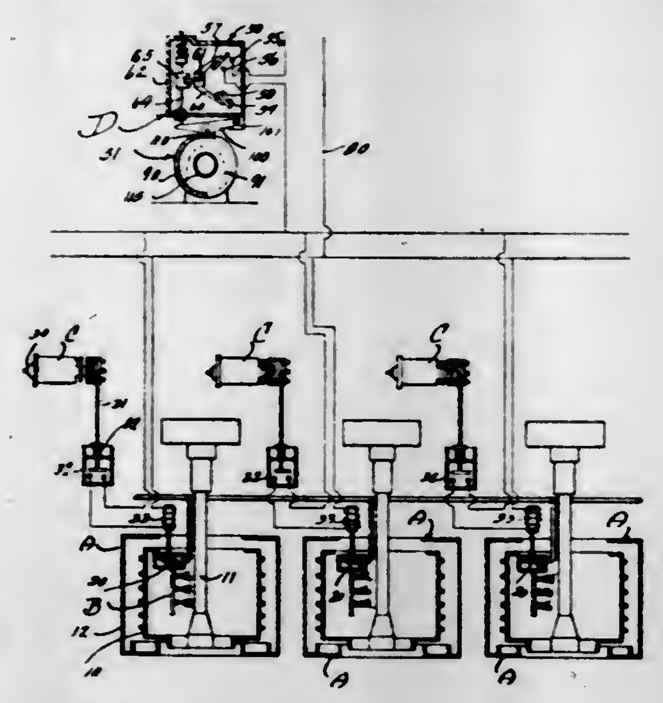
A stay-down shirt comprising a form-fitting body portion having a rear section, and front sections placed side by side and secured each along one vertical edge to the rear section, means to secure the front sections detachably together, the lower edges of said front sections being arranged to terminate adjacent the waist line of an intended wearer, said shirt being cut on the rear section to provide a substantially inverted flattened V-shaped lower rear edge beginning at a point at the middle of the rear section and extending to the sides of the rear sections and a more inclined lower edge on each front section to form a substantially V-shaped lower edge at front and rear when the front sections are secured together, the said edges on the front section extending below the natural abdominal bulge of the wearer, and a belt comprising elastic material attached to the lower edges of the front and rear sections over the whole length thereof, said belt of elastic material being stretchable in the direction of its length and serving to hold the lower edges of the body portion about the body of a wearer with the inclined front edges of the front sections disposed beneath the natural level of the stomach of the wearer's abdomen.

2,418,775
ART OF WEAVING WIDE MESH FABRIC
Harry Kittner, New York, N. Y.
Application May 15, 1946, Serial No. 669,744
6 Claims. (Cl. 139—29)



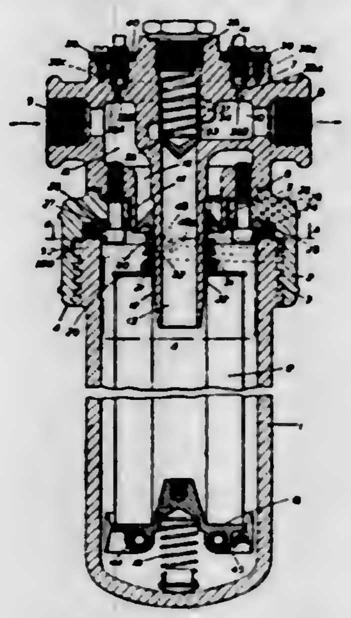
1. The method of producing an open mesh fabric by weaving comprising moving two groups of warp threads to form an open shed, inserting teeth between certain of the adjacent warp threads at the base of the shed, inserting a weft thread through said shed at the rear of said teeth, beating-up said weft thread against said teeth, closing said shed and removing the teeth from between said warp threads.

2,418,776
METHOD AND APPARATUS FOR CENTRIFUGALLY WASHING SUGAR, CHEMICALS, ETC.
Frederick W. Kopplin, Hardin, Mont.
Application May 25, 1942, Serial No. 444,416
3 Claims. (Cl. 210—67)



1. The improvement in the method of centrifugal purification of sugar and like solids wherein there is a purging treatment followed by a centrifugal washing step of predetermined length, which consists in the intermittent washing of the sugar or like solids being centrifugally treated for the entire washing step.

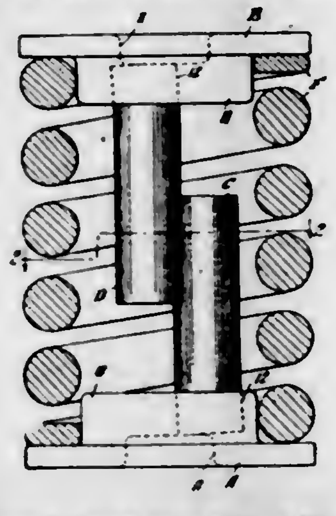
2,418,777
OIL OR OTHER LIQUID FILTER OR CLEANER
Camille Clare Sprankling Le Clair, Acton, London, England
Application August 5, 1943, Serial No. 497,444
In Great Britain June 5, 1942
13 Claims. (Cl. 210—166)



1. A high pressure oil cleaner, comprising a tubular container, a head having an inlet passage and an outlet passage, a filter element enclosed in said container and positioned between said inlet and outlet passages, said head being detachably mounted upon the open end of said container by a detachable connection formed by an internal screw thread which is formed in a skirt part of said head and is adapted to cooperate with a screw thread formed on the outside of said container adjacent to the open end thereof, a gland ring for preventing leakage of oil from the interior to the exterior of the cleaner along the over-lapping parts of said container and said head, means retaining said gland ring in the interior of the cleaner in an annular space between said container and said head, said gland ring being so shaped in cross section and so mounted in said annular space that the pressure of the oil being circulated through the cleaner forces the gland ring into sealing contact with said container and said head so as to form an effective oil seal between them, and circumferential stop means comprising a stop member positioned in said head near the inner end of the thread in said head and arranged to contact the inner end of the thread on said container when said container and said head have been screwed together to a predetermined extent to prevent clamping said gland ring between said container and said head.

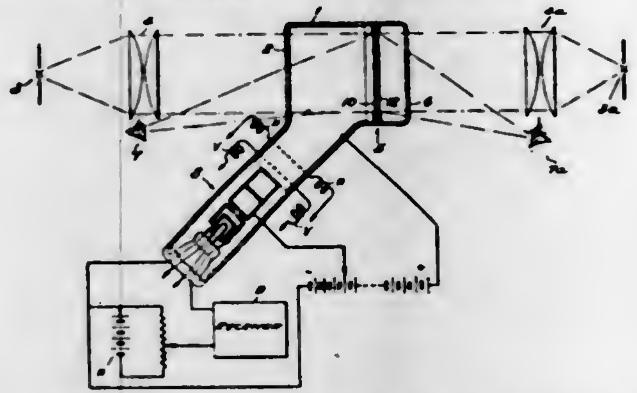
2,418,778
FRICTION SHOCK ABSORBER
Edward H. Lehman, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application March 13, 1944, Serial No. 526,203
3 Claims. (Cl. 267—9)

1. In a friction shock absorber, the combination with a pair of end followers relatively movable toward and away from each other; of a spring bar projecting from one of said followers, said spring bar being on one side of the central longitudinal axis of the mechanism; a pair of spaced spring bars projecting from the other follower, said pair of bars being on the other side of said axis and having sliding engagement with said first named spring bar; and a coil spring surrounding said bars and opposing relative approach of said followers, said coil spring



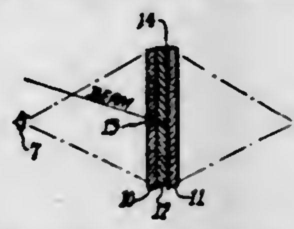
having shouldered engagement with said followers to hold the same against lateral displacement with respect to each other.

2,418,779
ALKALI METAL HALIDE AND LUMINESCENT SCREENS OF SUBSTANTIALLY COINCIDENT SPECTRAL ABSORPTION
Humboldt W. Leverenz, South Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 22, 1942, Serial No. 451,870
5 Claims. (Cl. 250—164)



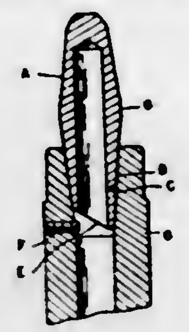
1. The combination comprising an alkali metal halide target and a luminescent screen in light receiving relation with said target, the spectral absorption band of said halide target and the spectral emission band of said luminescent screen being substantially coincident.

2,418,780
ALKALI HALIDE TARGET WITH CONTRASTING COLORS
Humboldt W. Leverenz, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 28, 1942, Serial No. 467,173
17 Claims. (Cl. 250—164)



1. Cathode ray apparatus comprising an evacuated envelope, means to develop an electron beam, a target capable of developing color centers when impinged by said electron beam, a luminescent screen of material having a luminescence emission band substantially without the light absorption of said halide target when impinged by said beam in a position to be excited by a portion of said beam following impingement on said target, and a second luminescent screen of material having a luminescence emission band overlapping the light absorption band of said target positioned to develop light incident on said target.

2,418,781
WELDING ELECTRODE
George E. Lewis, Detroit, Mich.
Application July 17, 1944, Serial No. 545,276
2 Claims. (Cl. 219—4)



2. In a welding electrode the combination with a holder having a socket therein of a replaceable tip having a portion engaging said socket, a cam and a bearing within said socket, one on said tip and the other on said socket, adapted to cooperate when said tip is rotated to force it axially outward from said socket.

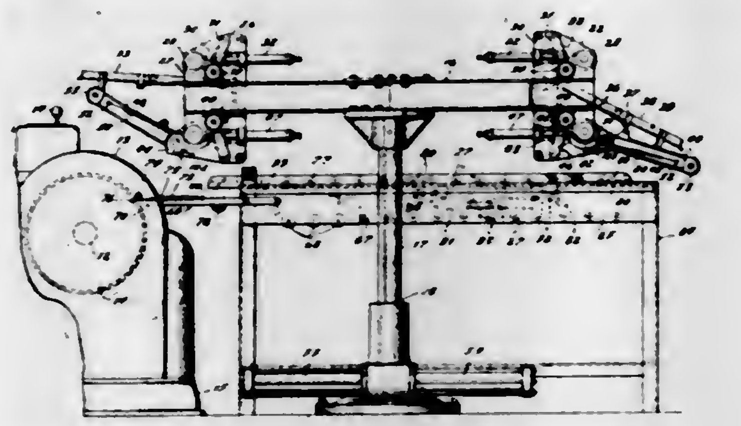
2,418,782
METHOD OF PRODUCING A FREE-FLOWING HIGH SOLIDS AQUEOUS DISPERSION OF A BUTADIENE-STYRENE COPOLYMER
Jacob G. Mark and David Rubinstein, Brookline, Mass., assignors to Dewey and Almy Chemical Company, North Cambridge, Mass., a corporation of Massachusetts
No Drawing. Application April 7, 1944, Serial No. 530,036
1 Claim. (Cl. 260—86.5)

The process which comprises emulsifying a mixture of butadiene-1,3 and styrene in proportions to produce a rubbery copolymer in water in the presence of 5% of an emulsifying agent based on the weight of the monomers, said emulsifying agent consisting of a water-soluble salt selected from the group consisting of sodium, potassium and ammonium salts of a water-soluble condensation product of naphthalene sulfonic acid, and polymerizing with a polymerization catalyst until there is produced a stable, free-flowing dispersion having about 57% solids by weight, and having a viscosity of 27 centipoises measured on a Stormer type viscosimeter at 25° C.

2,418,783
TIRE ELEMENTS SUPPLY MECHANISM
Cuyler S. McChesney, Kenmore, N. Y., assignor to Dunlop Tire and Rubber Corporation, Buffalo, N. Y., a corporation of New York
Original application October 3, 1942, Serial No. 460,705. Divided and this application November 18, 1944, Serial No. 564,160
6 Claims. (Cl. 154—10)

1. Apparatus for supplying tire elements to a forming drum which comprises means for supplying tire fabric to said drum, said means comprising a supply roll to hold a supply of tire fabric and liner fabric, a liner roll to receive liner fabric from said supply roll, a friction surface having a pressure contact with said liner

roll to rotate therewith and a clutch to hold said friction surface stationary when said liner rotates in a direction to draw liner fabric therefrom and to release said friction surface when rotating in the opposite direction.



2,418,784

PROCESS OF ACID REFINING VISCOUS HYDROCARBON OIL

Darwin M. McCormick, Springfield, Carroll B. Barbour, Yeadon, and William K. Griesinger, Drexel Hill, Pa., assignors to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania

No Drawing. Application August 6, 1943, Serial No. 497.642

16 Claims. (Cl. 196—40)

1. The process of acid refining viscous hydrocarbon oil with the production of acid sludge characterized by its ready pumpability, which comprises contacting said oil with sulfuric acid in the presence of an added small amount of a surface tension reducing agent sufficient to render the sludge readily pumpable, settling the resultant acid sludge, and separating the settled sludge from the oil.

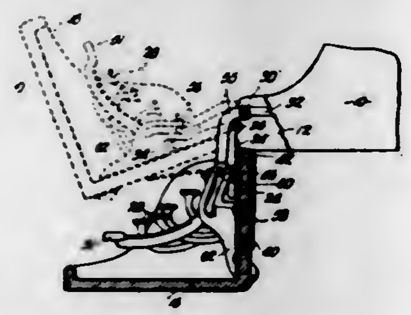
2,418.785

FOLDING TYPEWRITER CONSTRUCTION

George I. Mills, Springfield. Mo.

Application April 9, 1945, Serial No. 587,288

2 Claims. (Cl. 197—186)



1. A combination folding typewriter and case construction comprising, in combination with the main body portion of the machine, a drop key assembly and a folding case section enclosing said assembly mounted on said main body portion for folding movement upon hinge means above the bottom supporting level of the machine, key-guiding means supported on said main body portion independently of said folding section and providing individual guideways for the key arms of said assembly, and connections actuated by the movement of said folding case section for controlling the position of said key-guiding means during the folding and unfolding movements of said drop key assembly.

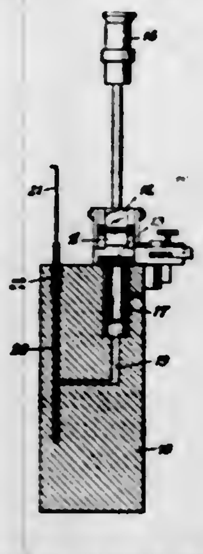
2,418,786

HYDRAULIC INTERFEROMETER

Francis H. Nadig, Philadelphia, and Jacob L. Bohn, Glenside, Pa.

Application October 16, 1943, Serial No. 506,514

5 Claims. (Cl. 88—14)



1. An interferometer comprising a light source, an eye-piece and means for reflecting the light from said source to said eye-piece in the form of interfering light beams, said reflecting means including a vertically movable horizontal mirror, a hydraulic system comprising connected cylinders of substantially different cross section, a piston in one cylinder carrying said movable mirror and a plunger adjustable in the other cylinder for effecting the movement of the piston.

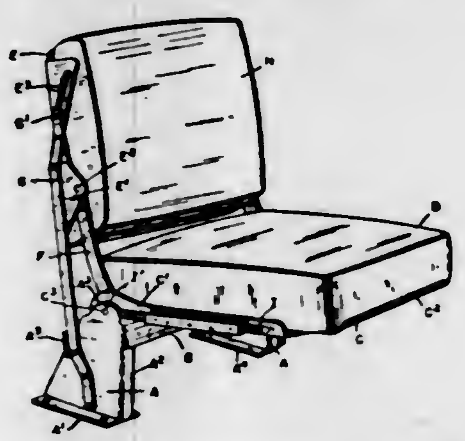
2,418,787

CONVERTIBLE SEAT STRUCTURE

Augie L. Nelson, Grand Rapids, Mich., assignor to Hayes Manufacturing Corporation, Grand Rapids, Mich., a corporation of Michigan

Application May 1, 1944, Serial No. 533,559

4 Claims. (Cl. 155—41)



4. A structure for alternatively forming a seat and a rigid standing platform comprising a frame, a seat member pivotally connected at its rear end to said frame to swing from a normal substantially horizontal position to an upright position, a back member, and a linkage between said frame, back member and seat including a pair of links pivotally connected at their lower ends to said seat member and having stop portions for limiting the free angular movement thereof, the upper ends of said links being pivotally connected to the lower portion of said back member, a pair of brace members pivotally connected at their lower ends to said frame at points below the pivotal connection with said seat member and at their upper ends having a limited sliding pivotal connection with the upper portion of said back member, stops on said frame for limiting the rearward swinging movement of said brace members; whereby in the downturned position of said seat member said back is held in normal relation thereto while the forward swinging movement of said links and brace members will arrange said back member in superposed relation to said seat member and will rigidly support the same for a standing platform and whereby the turning of said seat member into its upright position will lower said back member into parallelism therewith, and means for locking said seat member in its upright position.

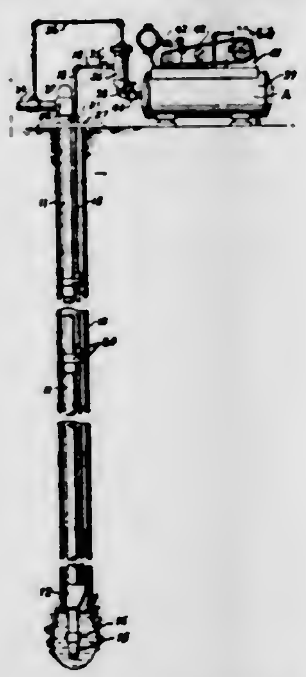
2,418,788

APPARATUS FOR LIFTING FLUIDS

Jeddy D. Nixon, New Braunfels, Tex.

Application June 30, 1945, Serial No. 602,561

15 Claims. (Cl. 103—234)



1. A liquid lifting apparatus including, an eduction tubing adapted to be disposed in a well with its lower end below the liquid level in said well and having an inlet valve below said liquid level, means for supplying compressed air to the tubing above the inlet valve and below the liquid level in the tubing to cut off a slug of liquid above the point of admission and elevate said plug to the top of the tubing and discharge it therefrom, and control means connected in said pressure fluid supply connected with the top of the tubing and having pressure-responsive means for cutting off the supply of pressure fluid responsive to a low pressure, and means adjacent the control means for trapping pressure fluid between the supply means and the point of admission to the tubing.

2,418,789

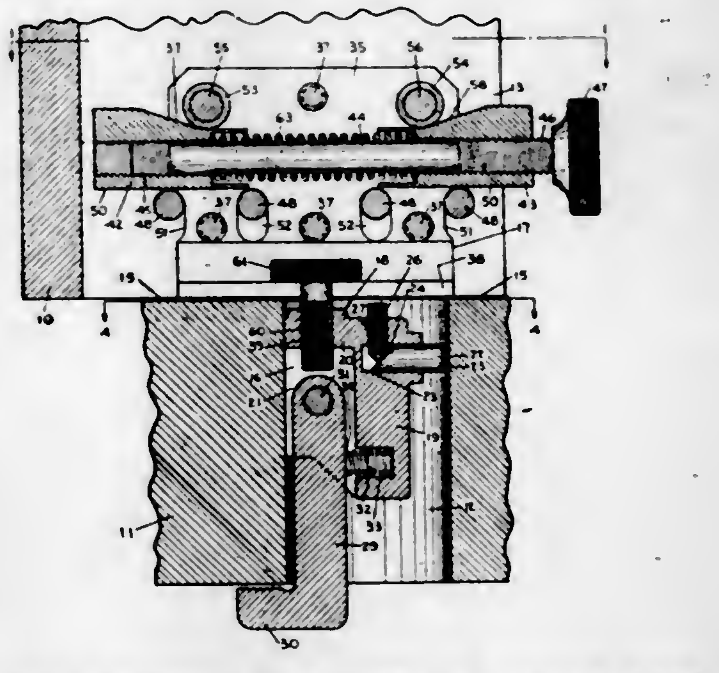
ATTACHMENT DEVICE FOR CYLINDER BORING MACHINES

Olov J. E. Olsson, Minneapolis, Minn., assignor to Storm Manufacturing Co., Inc., Minneapolis, Minn., a corporation of Minnesota

Application December 14, 1944, Serial No. 568,155

9 Claims. (Cl. 77—2)

1. In an attachment device for fastening a machine base upon and against a surface of a block, a member adapted to be anchored to said block, spaced apart supporting elements upon said machine base adapted to be engaged against a surface of said block, a clamp frame adapted to be connected to said member, spaced apart camming elements upon said clamp frame, and spaced apart actuating cams upon said supporting elements adapted to be actuated to cause said camming elements to be moved in direction away from said block.



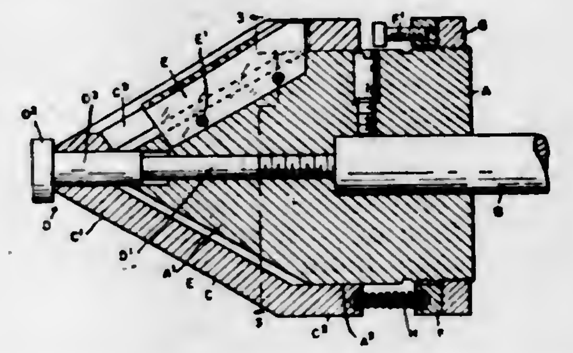
2,418,790

CUTTING TOOL

Ralph P. Peckham, Jr., Detroit, Mich.

Application May 15, 1944, Serial No. 535,701

5 Claims. (Cl. 77—73.5)



1. A cutting tool of the class described comprising a member having a conical portion concentric with the axis of said member, a blade mounted in said member to have its cutting edge portion parallel to the angle of the cone and projecting beyond the surface thereof, a shield having a conical portion parallel to the conical portion of said member with a slot therethrough into which said blade extends, means for guiding said shield for axial movement relative to said member in concentric relation thereto, resilient means for normally holding said shield in an axial position where the cutting edge of the blade is sheathed within the slot but permitting movement when the work is pressed against the shield to project said cutting edge into operative engagement therewith, and adjustable means for limiting the axial movement of said shield and the distance of projection of said cutting edge.

2,418,791

EXPULSION LIGHTNING ARRESTER

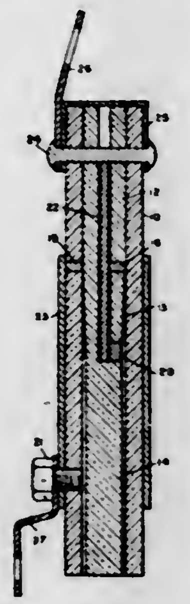
Ralph R. Pittman, Pine Bluff, Ark.

Application September 28, 1943, Serial No. 504,201

8 Claims. (Cl. 175—30)

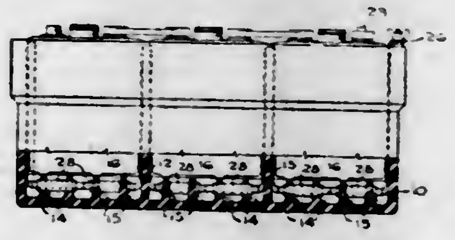
1. A voltage limiting and arc extinguishing device comprising a hollow tubular insulator open at the lower end thereof, an element of insulating

material extending coaxially within said tubular insulator, said element of insulating material being formed with an upper portion which closes the upper end of said insulator, a lower portion which partly fills the lower portion of said insulator and which longitudinally abuts at circumferentially spaced points the inner surface thereof so as to support said element in coaxial relationship with said insulator and to provide a plurality of circumferentially spaced passageways between the lower end of said upper portion of said element and the open end of said insulator, a tapered intermediate portion of said element the upper end of which abuts along a curved line the inner surface of said tubular insulator, said tapered portion extending longitudinally within said insulator and joining the upper and lower portions of said element, and structural means for causing sparkover to occur transversely along the curved line of abutment of the upper end of said tapered portion with the inner surface of said tubular insulator, said structural means including normally insulated conducting electrodes so related that the weakest electrical path through the device is therebetween, said electrodes being mounted in spaced relationship at the elevation of said line of abutment.



2,418,792
STORAGE BATTERY ELECTRIC HEATER

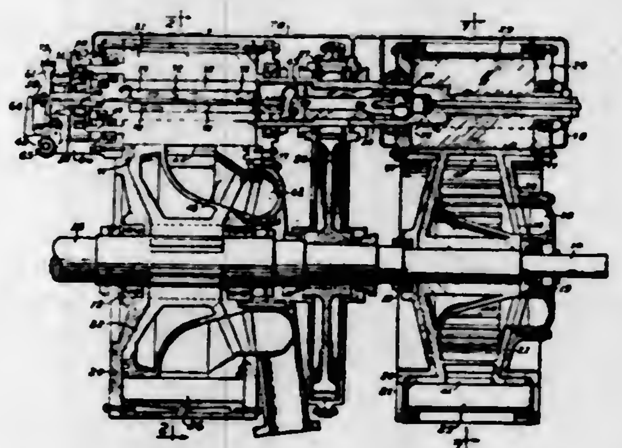
Harold Coleman Riggs, Langhorne Manor, Pa., assignor to The Electric Storage Battery Company, a corporation of New Jersey
Application March 24, 1945, Serial No. 584,635
5 Claims. (Cl. 136—161)



1. In a temperature-control device for a storage battery cell provided with upstanding plate supporting ribs on the bottom, an electrical heating member comprising horizontally disposed strips in the form of comparatively thin ribbon of resistance metal lying longitudinally in the spaces between the ribs and having transverse connecting portions located in said ribs, the ribbon arranged with its wide faces in vertical planes.

2,418,793
ROTARY ABUTMENT INTERNAL-COMBUSTION ENGINE WITH INDEPENDENTLY ROTATING VALVE IN THE ABUTMENT

Irving H. Selden, Tacoma, Wash.
Application March 16, 1943, Serial No. 479,302
9 Claims. (Cl. 123—13)

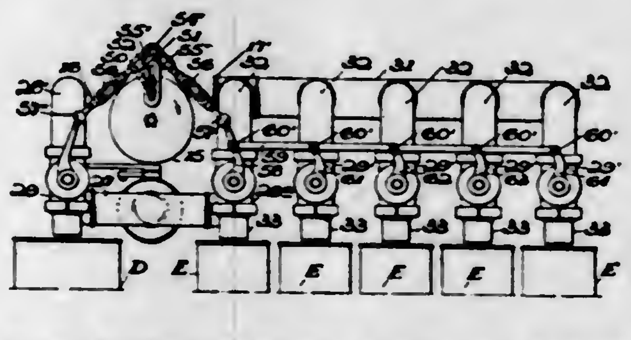


1. In an internal combustion engine having an expansion channel, a rotor closing said channel, and pistons on the rotor and traveling in said channel, the combination of a rotating abutment in said channel; a slot therein adapted to mesh with each said piston as it passes said abutment; an independently rotating body within said abutment and coaxial therewith and having an inner chamber containing burnt out gases at high pressure; a port in the side of inner chamber and normally closed by said abutment but adapted to register with said slot, whereby said gases are released from said chamber as each said piston passes said abutment.

4. In a rotary compression unit having an enclosing frame; a hollow rotor mounted therein; means for rotating said rotor; an intake manifold on one end wall of said frame and having an annular opening therethrough concentric with said rotor; intake ports in the adjacent end wall of said rotor, adapted to admit fresh charges into the interior of said rotor from said intake manifold; fan blades in the interior of said hollow rotor and adapted to draw fresh charges into said rotor and to compress them therein; and openings in the periphery of said rotor adapted to deliver such fresh charges to means for further compressing said charges.

2,418,794
AUTOMATIC CAN FILLING APPARATUS

Iver Wilfred Severson, Chalmette, La., assignor of one-half to Horatio Le Gros, New Orleans, La.
Application July 15, 1943, Serial No. 494,871
18 Claims. (Cl. 226—108)



1. In a gravity flow dispensing apparatus for filling cans of various sizes with a liquid and utilizing the force of flow of liquid to be dispensed to control and operate the same, including a manifold to receive the liquid, spaced dispensing outlet valves communicating with the manifold, means to operate said outlet valves, and means to operate said valve operating means including a change speed transmission gearing mechanism whereby cans of various sizes may be filled with the liquid.

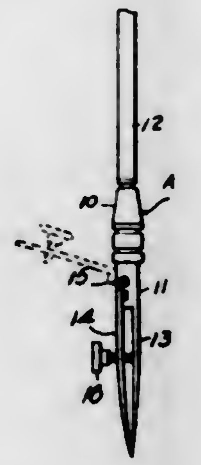
2,418,795
HARDENABLE PLASTIC COMPOSITION

Max Skolnik, Chicago, Ill.
No Drawing. Application July 9, 1943, Serial No. 494,117
3 Claims. (Cl. 106—107)

1. A dry pulverulent composition comprising an intimate mixture of magnesium oxide and discrete particles consisting of a finely divided normally solid bitumen having a melting point of at least 250° F., said bitumen being present at least in an amount of 1 part by weight for each 2 parts by weight of said magnesium oxide, said composition after mixing with a magnesium chloride solution of 25° to 30° Baumé, in amounts to produce a creamy consistency, being characterized by setting to a hard water-resistant and fire-resistant state.

2,418,796
DRAFTING PEN

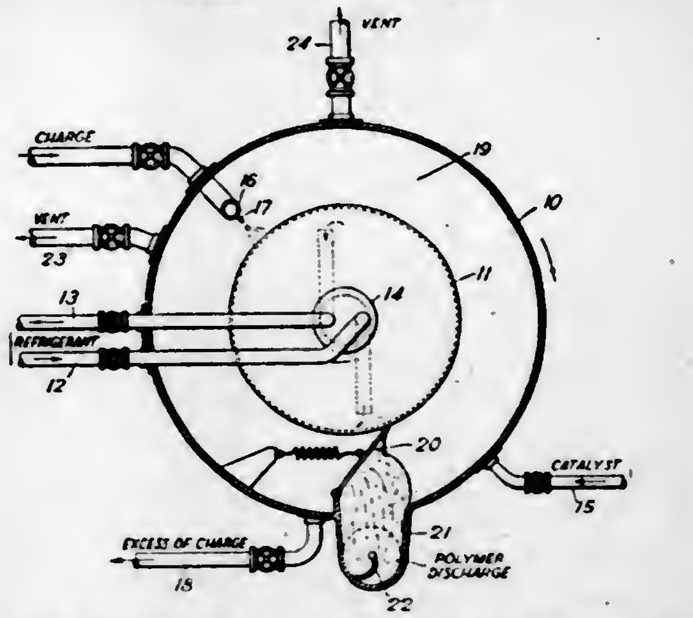
Andrew Szerenyi, Toronto, Ontario, Canada
Application November 8, 1944, Serial No. 562,413
4 Claims. (Cl. 120—110)



1. A drafting pen comprising a pen unit having a shank portion slotted at its inner end, a stationary blade integral with said shank portion of said pen unit, and a movable blade pivotally mounted to said shank portion so that a portion of said movable blade above said pivot point is swingable within said slot, said pen unit being normally carried by a handle, means for detachably connecting said unit to the handle, including a sleeve-like shank having internal screw threading to receive said handle at one end, said pen unit having a pair of externally screw-threaded but spaced apart arms projecting therefrom designed to enter the opposite end of said shank, the spacing between said arms forming a continuation of said slot, spring means housed within said shank and extending into said slot, said means engaging a portion of said movable blade and normally urging the latter towards the stationary blade and an adjusting screw carried by one of said blades movable into bearing engagement with the other of said blades for separating the blades one from the other against the pressure of said spring means.

2,418,797
CONTINUOUS PROCESS FOR POLYMERIZING OLEFINS

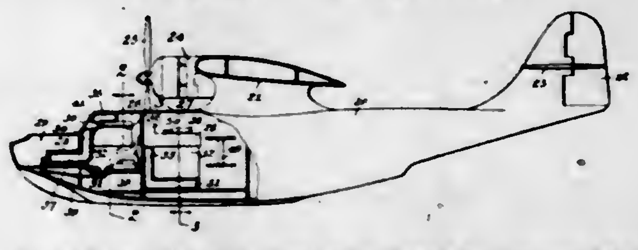
Vanderveer Voorhees, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application April 1, 1939, Serial No. 265,453
7 Claims. (Cl. 260—94)



1. The process of catalytically polymerizing an unsaturated hydrocarbon liquid under controlled low temperature conditions which comprises continuously moving a film of said unsaturated hydrocarbon liquid on a moving surface within a catalytic polymerization zone, maintaining an atmosphere of a polymerization catalyst within said polymerization zone, simultaneously maintaining said film at said low temperature by indirectly refrigerating that part of the area of said film where said polymerization occurs, with sufficient refrigerating fluid to absorb the heat of polymerization, thereby preventing substantial increase in the temperature of said unsaturated hydrocarbons from the heat evolved by said polymerization reaction and producing a film of high molecular weight polymers and thereafter continuously removing said polymers from said polymerization zone.

2,418,798
INFLATABLE CRASH LANDING DEVICE FOR AIRPLANES

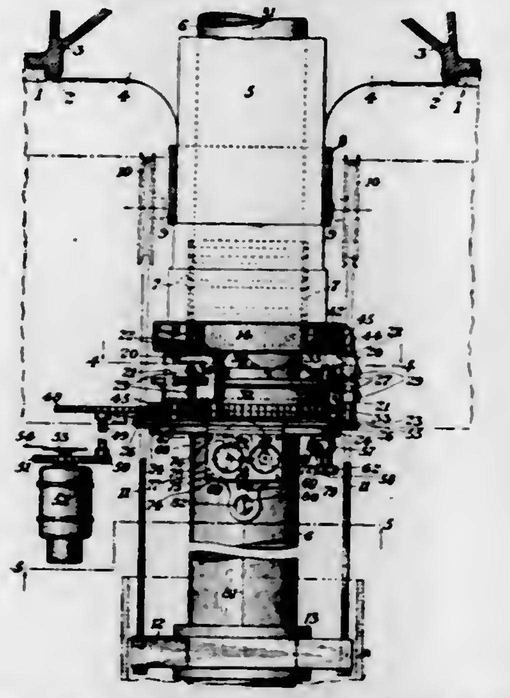
Arnold Whitmer, Buffalo, N. Y., assignor to Arthur G. Evans, Springville, N. Y.
Application June 23, 1944, Serial No. 541,685
19 Claims. (Cl. 244—121)



1. A safety device for airplanes, comprising a housing, a protecting unit deflated within said housing and adapted to be inflated and propelled therefrom to assume a position in front of an occupant of the plane to receive the impact of the occupant under uncontrolled forward movement; means under the control of an occupant of the plane to introduce compressed fluid into said deflated unit within said housing and cause said unit to be propelled from said housing and be inflated to receive the impact of an occupant of the plane when under uncontrolled forward movement.

2,418,799
MECHANISM FOR INDICATING AZIMUTHAL MOVEMENT OF A PERISCOPE

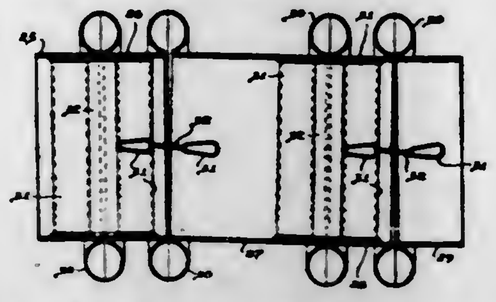
Waldo W. Willard, deceased, late of Schenectady, N. Y., by Cora Buck Willard, executrix, Schenectady, N. Y., assignor to Ford Instrument Company, Inc., Long Island City, N. Y., a corporation of New York
Application June 29, 1935, Serial No. 29,080
13 Claims. (Cl. 88—69)



1. In a periscope having a stationary member within which a tube is mounted for linear displacement along a central longitudinal axis and rotary displacement about said longitudinal axis, the combination of a member mounted on the stationary member for movement about said longitudinal axis of the tube, a rotatable element mounted on the second member and so disposed that said longitudinal axis of the tube lies in the plane of rotation of the element, means for holding the element in engagement with the tube with sufficient friction to cause the element and the second member on which it is mounted to partake of the rotary displacement imparted to the tube, and mechanism responsive to the resultant movement of the second member to indicate the rotary displacement of the tube with respect to the stationary member within which it is mounted.

2,418,800
FLEXIBLE JOINT FOR CONDUITS

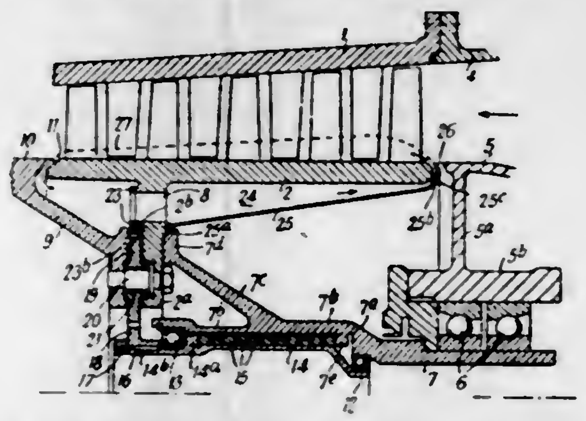
William A. Wilson, Greensburg, Pa., assignor to Elliott Company, Jeannette, Pa., a corporation of Pennsylvania
Application November 21, 1944, Serial No. 564,432
5 Claims. (Cl. 285—90)



1. The combination with a pair of high pressure fluid conduits disposed end to end with a small space between them, of a transversely flexible web extending diametrically across the conduits with its opposite ends straddling said space, means connecting the web to both conduits, and a toroidal connecting member encircling the adjacent ends of the conduits and secured thereto to seal said space, the wall of said member between said conduits being split circumferentially and said member being flexible to permit angular movement of the conduits relative to each other, and said member being substantially circular in cross section whereby its wall is subject substantially only to tension stresses from high pressure fluid inside said conduits.

2,418,801
INTERNAL-COMBUSTION TURBINE PLANT

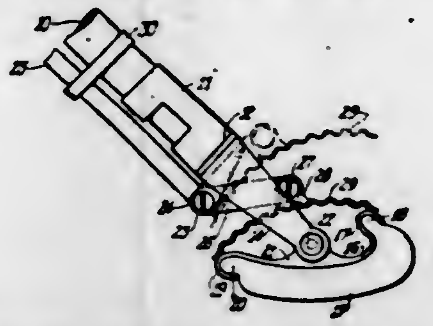
Karl Baumann, Knutsford, England, assignor to Metropolitan-Vickers Electrical Company Limited, London, England, a company of Great Britain
Application January 13, 1944, Serial No. 518,175
In Great Britain March 25, 1942
14 Claims. (Cl. 230—114)



3. A gas turbine plant including a multi-stage axial flow compressor having an inner rotating casing, means associated with said inner casing through which air may be withdrawn from an intermediate stage of the compressor, said last named means including a member within said casing and having at least one normally open valve port, and valve means for gradually closing said port as the speed of said casing increases above a predetermined minimum speed and fully closing said port at a predetermined higher speed.

2,418,802
COMPRESSIBLE MOP AND WRINGER

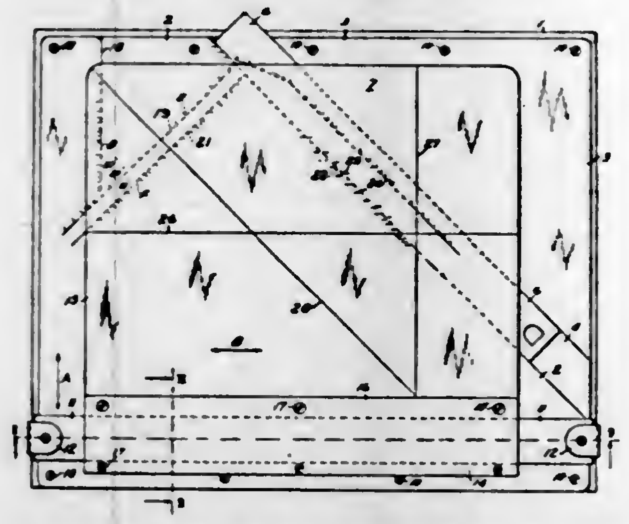
Arthur Z. Bendar, Quincy, Mich.
Substituted for application Serial No. 338,855, June 5, 1940. This application October 2, 1944, Serial No. 556.727
7 Claims. (Cl. 15—119)



2. A cleaning device comprising a handle, a cleaning element, a carrier for said cleaning element pivoted to said handle, an element-compressing member normally engaging the back of said carrier to operatively position the same, and means carried by said handle for mounting said member, said means being shiftable to a position clear of said carrier to accommodate pivotal movement of said carrier to a position with said cleaning element facing said member.

2,418,803
CALCULATOR

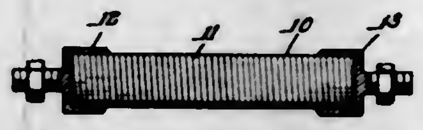
Harold Etherington, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application November 19, 1945, Serial No. 629,575
8 Claims. (Cl: 235—61)



5. A computing device comprising a plurality of elements combined and correlated for relative movement with respect to each other and including two elements positioned to provide a continuous plain surface and a third element disposed in superposed relation with respect to the plain surface presented by said two elements, said two elements when considered as a unit and said third element being relatively movable along lines constituting the coordinates of any line connecting two points on said plain surface representing selected initial and final relative positions of said third element, said two elements being relatively movable and each having a plurality of different scales thereon with each scale bearing a definite predetermined functional relation with respect to at least one of the other scales, and a plurality of angularly displaced index lines on said third element, said scales and index lines being so arranged and of such length that a selected relative shifting of said elements will in effect move one of a pair of said index lines over the entire effective range of a first scale, will in effect move the other of said pair of index lines over the entire effective range of a second scale while maintaining said one index line positioned to indicate a selected reading on said first scale, and will in effect move still another index line over the entire effective range of a third scale while maintaining said one index line positioned to indicate a computed reading on a fourth scale.

2,418,804
ELECTRICAL RESISTOR AND METHOD OF MAKING SAME

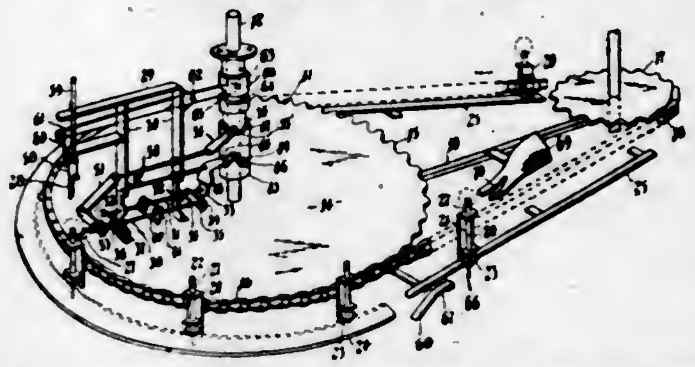
Stanley R. Hood, Birmingham, Mich., assignor to Modern Metals and Materials, Chicago, Ill.
Application October 8, 1945, Serial No. 620,988
18 Claims. (Cl. 201—76)



1. In a method of making an electrical resistor, the steps which comprise drawing at least one line on a non-conductive surface with a relatively sharp-edged or pointed member selected from the group consisting of titanium and titanium-base alloys, and connecting the resulting line or lines to terminal members.

2,418,805
APPLE PARING AND CORING MACHINE

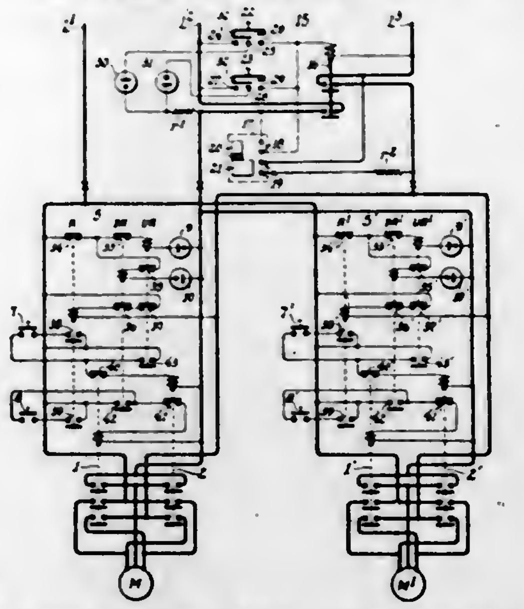
John F. Lindner, Norval, Ontario, Canada
Application December 16, 1944, Serial No. 568,409
17 Claims. (Cl. 146—38)



1. In an apparatus of the kind described having a holder adapted to have an apple impaled thereon and rotated, means for peeling the apple while it is rotating, said means including a knife, a rod rigidly extending therefrom, an actuating device for the rod adapted to swing the rod in an arc to cause the knife to travel along a side of the apple from its top to peel the same and to swing the rod back to its initial position at the end of the peeling operation, said actuating device including a guideway in which the rod is supported for movement radially of the centre of said arc, resilient means urging the rod inwardly of the guideway to cause the knife to bear on the apple, and means for causing the rod to move outwardly of the guideway as it is swung back to its initial position so that the knife will clear the apple during such return swing of the rod, said last mentioned means comprising a swingable arm arranged transversely of the rod and having a slotted distal end engaged therewith, a member pivotally carrying the arm to enable it to swing, and means for shifting this member to positionally advance the swingable arm at the end of the peeling operation whereby it is operative to cause the rod to describe an arc wide of the apple as it swings back to initial position.

2,418,806
GROUP CONTROL OF PLURAL ALTERNATING CURRENT MOTORS

James B. Reeves, Whitefish Bay, and Edwin W. Seeger, Wauwatosa, Wis., assignors to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application September 22, 1945, Serial No. 617,994
15 Claims. (Cl. 172—179)



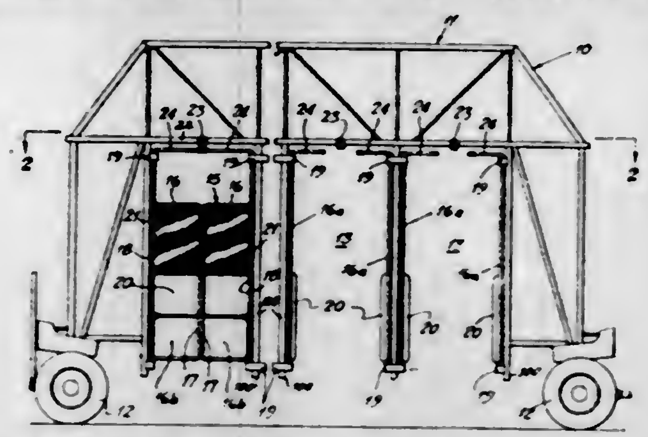
1. The combination with an alternating current supply circuit comprising at least three lines,

alternating current motors to be connected to said circuit, controllers individualized to said motors and each comprising reversing means having control windings to be energized selectively, a master controller, and connections between said individualized controllers and said circuit which extend at least in part through said master controller, said connections comprising a number of conductors not in excess of the number of lines of said circuit, through the medium of which said windings of said individualized controllers are energizable selectively by said master switch for direction control of said motors and through the medium of which said motors are energizable for operation.

2,418,807
RACE STARTING GATE

Jesse P. Whann and Norman C. Harris, Los Angeles, Calif., assignors to Puett Electrical Starting Gate Corporation, Beverly Hills, Calif., a corporation of California
Application September 9, 1941, Serial No. 410,142
11 Claims. (Cl. 119—15.5)

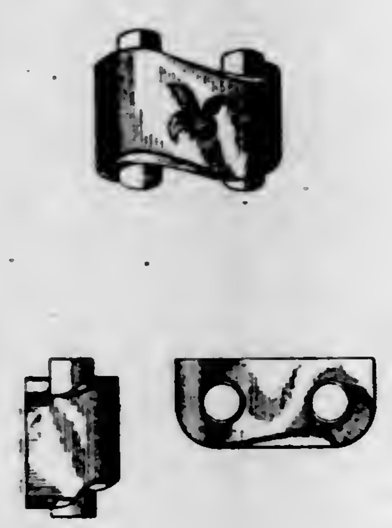
1. In a race starting gate, the combination of: a pair of gates pivotally supported at the forward part of said starting gate, said gates being swingable from a closed position in which said gates are angularly positioned with respect to each other and with their outer ends adjacent to each other to an open position in which said gates are in substantial parallelism; latch means for releasably latching said gates in closed position, said latch means including a latch element on one gate, a latch lever engageable with said latch element but movable to release said latch element, said latch lever and latch element comprising a pair of latching members including a plurality of pivoted parts, one of said members being provided with yieldable means whereby upon contact of one member with the other member during movement of said gates to closed position, said yieldable means permits movement of one of said members relative to the other to allow said members to move past each other, magnetic means for holding said latch lever in latching engagement with said latch element, whereby upon deenergization of said magnetic means said magnetic means will allow said latch lever to release said latch element for permitting said gates to open, and means for moving said gates to open position.



DESIGNS
APRIL 8, 1947

146,550
DESIGN FOR A CHIME SIGNAL

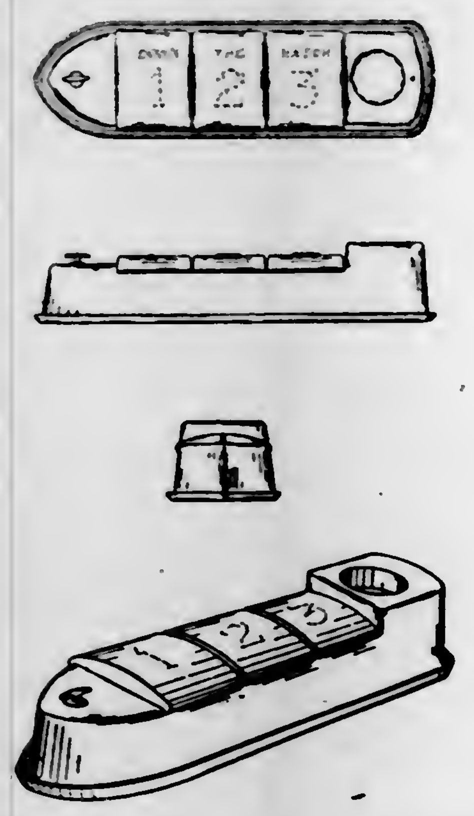
Nathan Abramson, New York, N. Y., assignor to Presto Electric Co., Union City, N. J., a partnership
Application October 6, 1944, Serial No. 115,645
Term of patent 7 years
(Cl. D72—1)



The ornamental design for a chime signal, as shown.

146,551
DESIGN FOR A FOOD DISPENSER

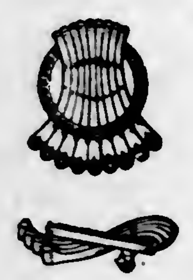
Wilbur Henry Adams, Millcreek Township, Erie County, Pa.
Application November 13, 1945, Serial No. 123,667
Term of patent 3½ years
(Cl. D44—24)



The ornamental design for a food dispenser, as shown and described.

146,552
DESIGN FOR A BROOCH

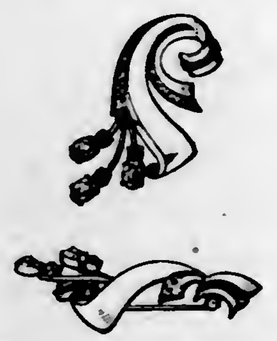
Antonio Aquilino, Providence, R. I.
Application May 13, 1946, Serial No. 129,645
Term of patent 3½ years
(Cl. D45—19)



The ornamental design for a brooch, as shown.

146,553
DESIGN FOR A BROOCH

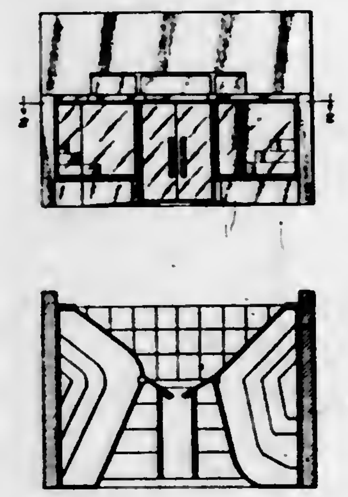
Antonio Aquilino, Providence, R. I.
Application May 13, 1946, Serial No. 129,647
Term of patent 3½ years
(Cl. D45—19)



The ornamental design for a brooch, as shown.

146,554
DESIGN FOR A STORE FRONT

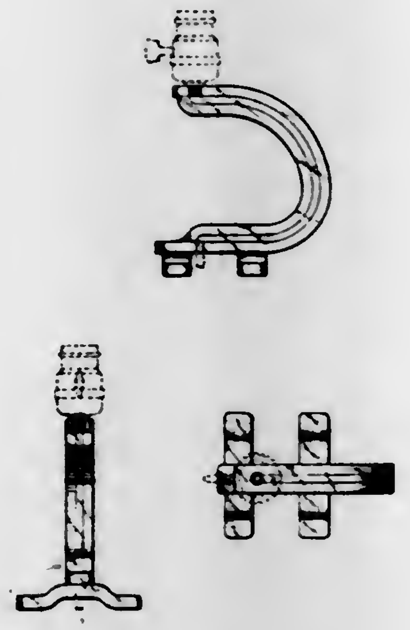
Frank Butterworth, Belmont, Mass., assignor to Spencer Shoe Corporation, Boston, Mass., a corporation of Massachusetts
Application December 13, 1945, Serial No. 124,672
Term of patent 14 years
(Cl. D13—1)



The ornamental design for a store front, as shown.

146,555
DESIGN FOR AN ELECTRIC LAMP STAND OR THE LIKE

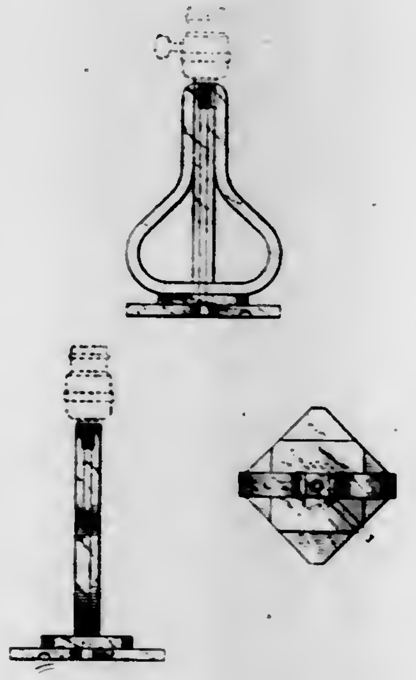
James F. Chamness, Dwight, Ill.
Application October 19, 1945, Serial No. 123,011
Term of patent 3½ years
(Cl. D48—20)



The ornamental design for an electric lamp stand or the like, as shown and described.

146,556
DESIGN FOR AN ELECTRIC LAMP STAND OR THE LIKE

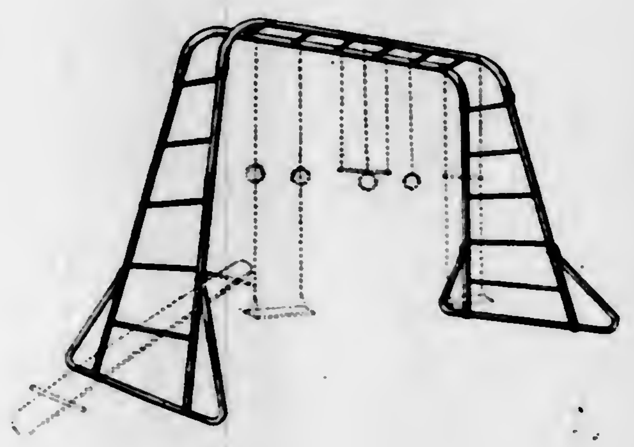
James F. Chamness, Dwight, Ill.
Application October 19, 1945, Serial No. 123,012
Term of patent 3½ years
(Cl. D48—20)



The ornamental design for an electric lamp stand or the like, as shown and described.

146,557
DESIGN FOR A PLAYGROUND APPARATUS

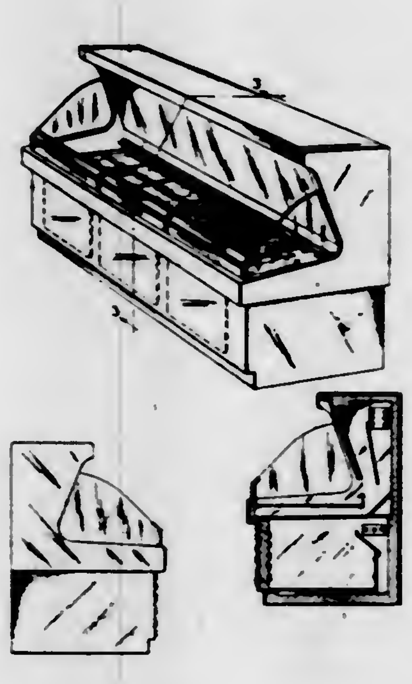
Peter A. Cosme, Chicago, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application July 11, 1945, Serial No. 120,644
Term of patent 7 years
(Cl. D34—5)



The ornamental design for a playground apparatus, substantially as shown and described.

146,558
DESIGN FOR A REFRIGERATED DISPLAY CASE

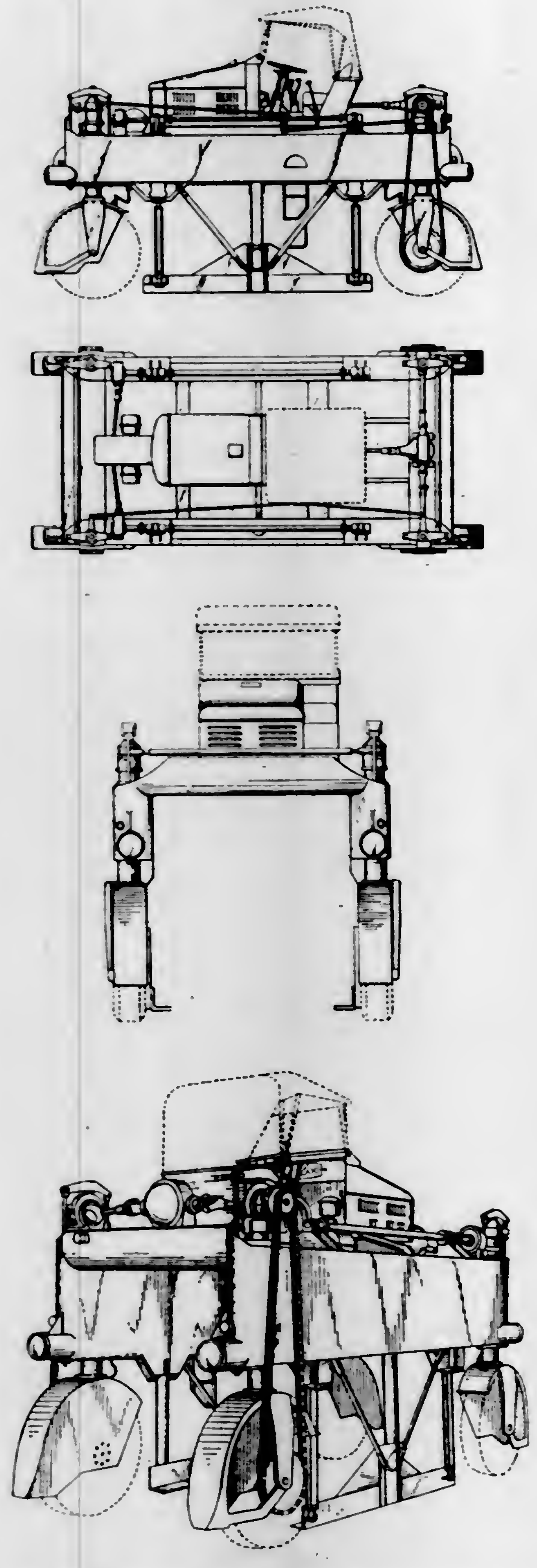
Russell E. Davis, St. Louis, Mo., assignor to Hussmann-Ligonier Company, St. Louis, Mo., a corporation of Delaware
Application February 7, 1946, Serial No. 126,358
Term of patent 14 years
(Cl. D80—11)



The ornamental design for a refrigerated display case, as shown.

146,559
DESIGN FOR A STRADDLE TRUCK

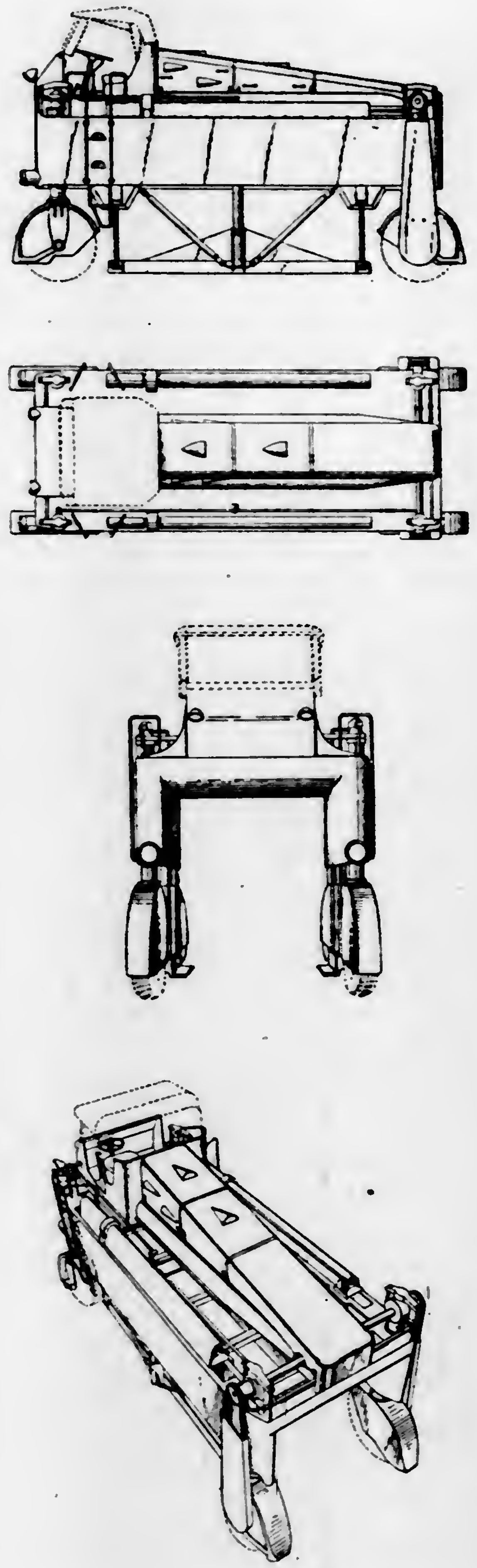
Henry N. Dimick, Portland, Oreg., assignor to Hyster Company, Portland, Oreg., a corporation of Oregon
Application October 9, 1944, Serial No. 115,688
Term of patent 14 years
(Cl. D14—3)



The ornamental design for a straddle truck, as shown and described.

146,560
DESIGN FOR A HIGHWAY STRADDLE TRUCK

Henry N. Dimick, Portland, Oreg., assignor to Hyster Company, Portland, Oreg., a corporation of Oregon
Application October 9, 1944, Serial No. 115,689
Term of patent 14 years
(Cl. D14—3)

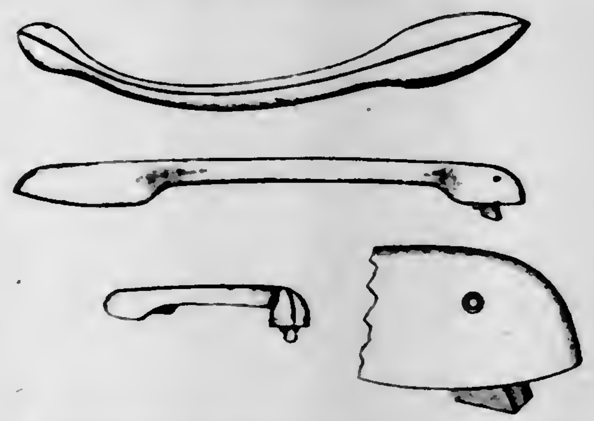


The ornamental design for a highway straddle truck, as shown and described.

146,561
DESIGN FOR A LACE
David Edelstein, New York, N. Y.
Application March 29, 1946, Serial No. 128,468
Term of patent 3½ years
(Cl. D47—6)

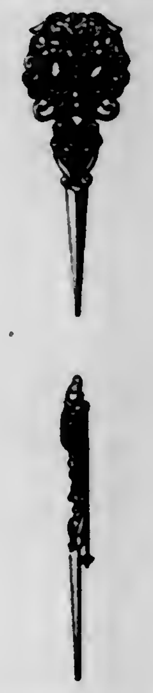
The ornamental design for a lace, as shown.

146,562
DESIGN FOR A PHONOGRAPH PICKUP ARM
Kurt Emde, Itasca, and George B. Vernier, Chicago, Ill., assignors to Zenith Radio Corporation, Chicago, Ill., a corporation of Illinois
Application May 23, 1945, Serial No. 119,692
Term of patent 14 years
(Cl. D26—14)



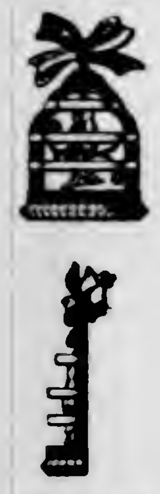
The ornamental design for a phonograph pickup arm or similar article, substantially as shown.

146,563
DESIGN FOR A BROOCH
Frank J. Gargano, Providence, R. I.
Application May 13, 1946, Serial No. 129,654
Term of patent 3½ years
(Cl. D45—19)



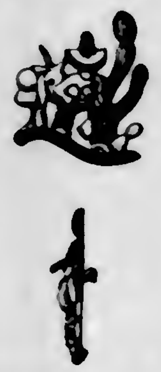
The ornamental design for a brooch, as shown.

146,564
DESIGN FOR A BROOCH
Frank J. Gargano, Providence, R. I.
Application May 13, 1946, Serial No. 129,655
Term of patent 3½ years
(Cl. D45—19)



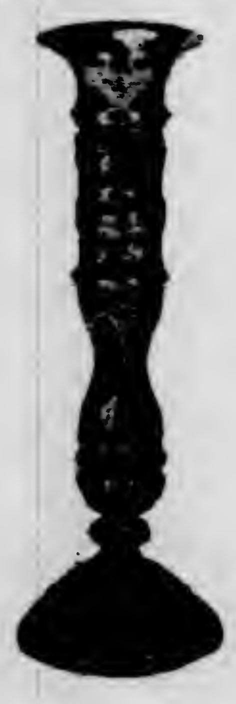
The ornamental design for a brooch, as shown.

146,565
DESIGN FOR A BROOCH
Frank J. Gargano, Providence, R. I.
Application May 13, 1946, Serial No. 129,657
Term of patent 3½ years
(Cl. D45—19)

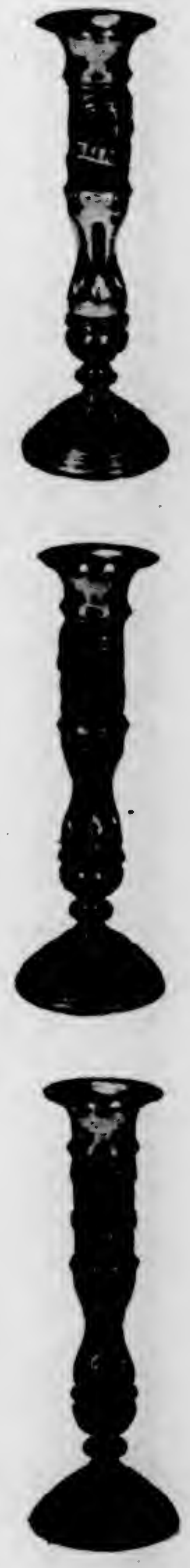


The ornamental design for a brooch, as shown.

146,566
DESIGN FOR A VASE
Joseph Gmeindl, Milwaukee, Wis.
Application January 16, 1946, Serial No. 125,591
Term of patent 14 years
(Cl. D29—28)

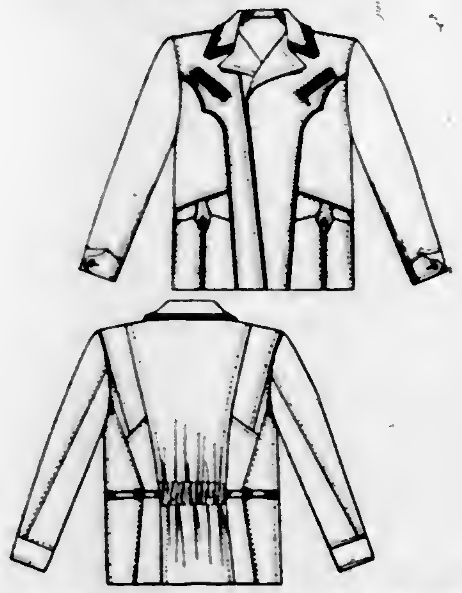


146,566—Continued



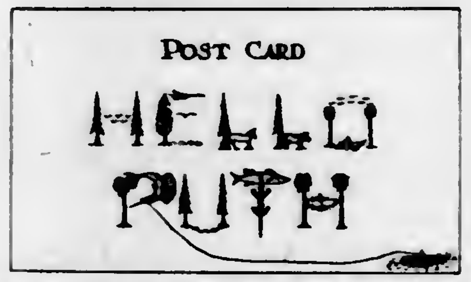
The ornamental design for a vase, substantially as shown.

146,567
DESIGN FOR A LEATHER JACKET
Jack Greenberg and Benjamin Fortgang, New York, N. Y.
Application October 19, 1946, Serial No. 134,093
Term of patent 14 years
(Cl. D3—4)



The ornamental design for a leather jacket, substantially as shown.

146,568
DESIGN FOR A POST CARD
Sidney N. Hassan, New York, N. Y.
Application September 27, 1945, Serial No. 122,370
Term of patent 14 years
(Cl. D59—13)



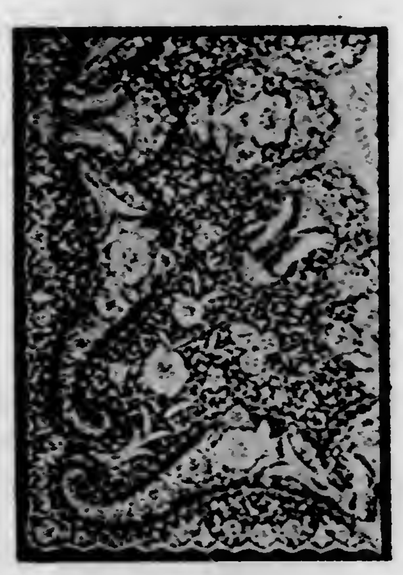
The ornamental design for a post card, substantially as shown and described.

146,569
DESIGN FOR A LACE TABLECLOTH
Howard Hooven, Doylestown, Pa., assignor to Quaker Lace Company, Philadelphia, Pa.
Application November 2, 1946, Serial No. 134,491
Term of patent 14 years
(Cl. D92—26)

The ornamental design for a lace tablecloth, substantially as shown and described.

146,570
DESIGN FOR A LACE TABLECLOTH

Howard Hooven, Doylestown, Pa., assignor to Quaker Lace Company, Philadelphia, Pa.
Application November 2, 1946, Serial No. 134,492
Term of patent 14 years
(Cl. D92—26)



The ornamental design for a lace tablecloth, substantially as shown and described.

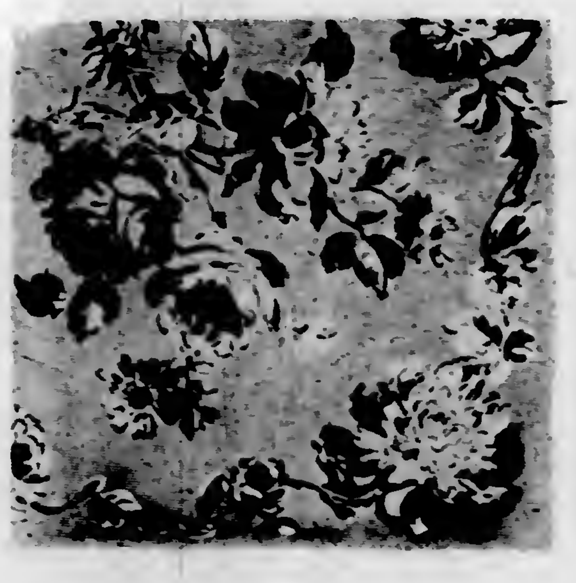
146,571
DESIGN FOR A LACE TABLECLOTH

Howard Hooven, Doylestown, Pa., assignor to Quaker Lace Company, Philadelphia, Pa.
Application December 20, 1946, Serial No. 135,658
Term of patent 14 years
(Cl. D92—26)

The ornamental design for a lace tablecloth, substantially as shown and described.

146,572
DESIGN FOR A TABLECLOTH OR SIMILAR ARTICLE

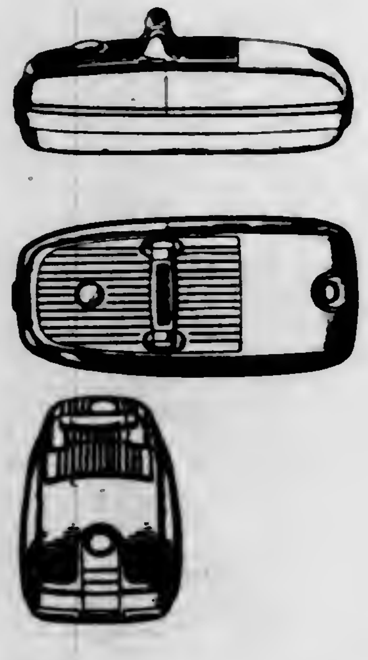
Roberta H. Hubner, New York, N. Y.
Application February 11, 1947, Serial No. 136,842
Term of patent 3½ years
(Cl. D92—26)



The ornamental design for a tablecloth or similar article, substantially as shown and described.

146,573
DESIGN FOR A TANK TYPE SUCTION CLEANER CASING

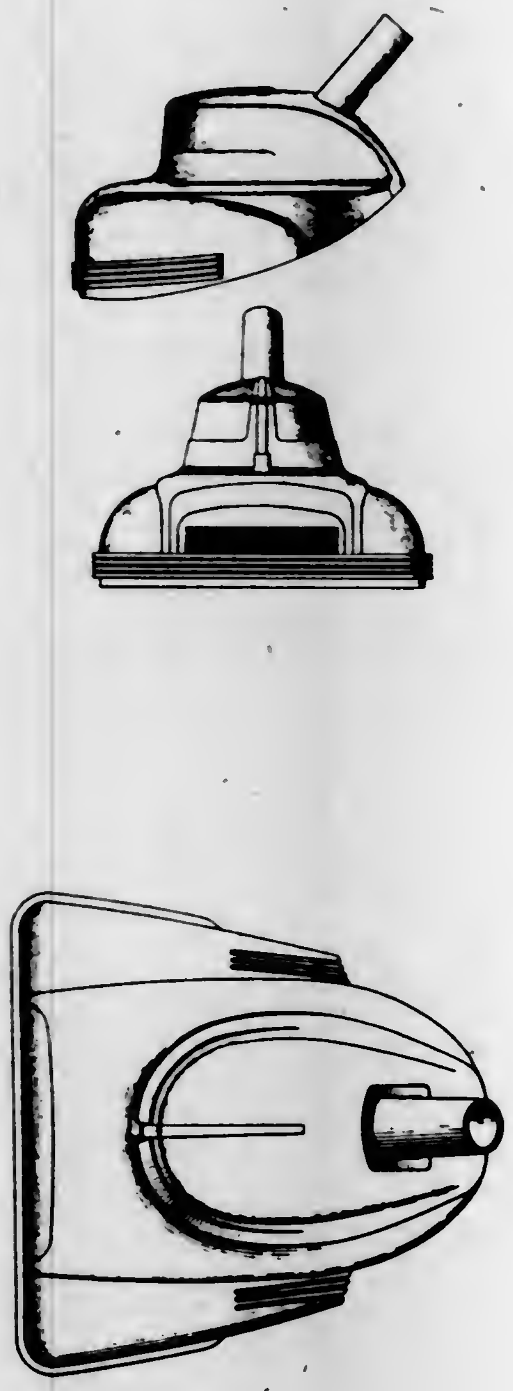
Clarence Karstadt, Glen Ellyn, Ill., assignor to Birtman Electric Company, a corporation of Illinois
Continuation of design application Serial No. 120,376, June 28, 1945, which is a continuation of design application 116,569, November 27, 1944. This application March 8, 1946, Serial No. 127,232
Term of patent 14 years
(Cl. D9—2)



The ornamental design for a tank type suction cleaner casing, as shown and described.

146,574
DESIGN FOR A SUCTION CLEANER CASING

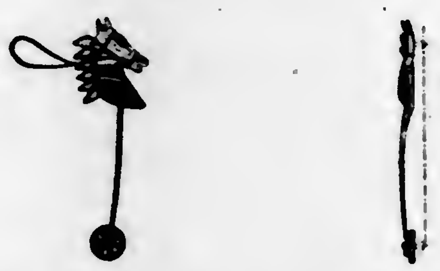
Clarence Karstadt, Glen Ellyn, Ill., assignor to Birtman Electric Company, a corporation of Illinois
Continuation of design application Serial No. 120,377, June 28, 1945, which is a continuation of design application Serial No. 116,295, November 11, 1944. This application March 11, 1946, Serial No. 127,372
Term of patent 14 years
(Cl. D9—2)



The ornamental design for a suction cleaner casing, substantially as shown and described.

146,575
DESIGN FOR A BROOCH OR SIMILAR ARTICLE

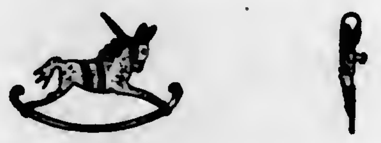
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application February 2, 1946, Serial No. 126,205
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

146,576
DESIGN FOR A BROOCH OR SIMILAR ARTICLE

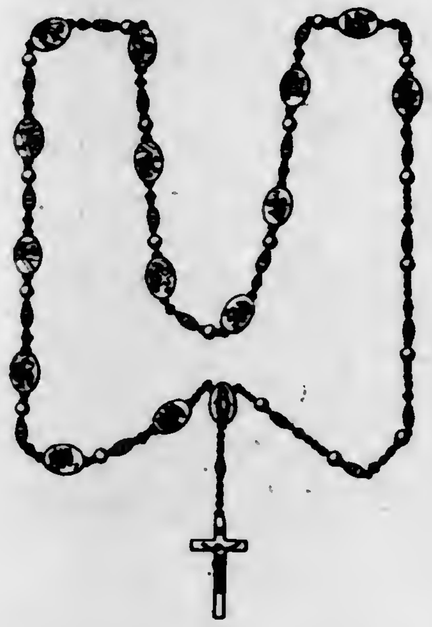
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application February 2, 1946, Serial No. 126,206
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

146,577
DESIGN FOR A ROSARY OF THE STATIONS OF THE CROSS

John C. Kelley, New Haven, Conn.
Application December 27, 1945, Serial No. 125,056
Term of patent 14 years
(Cl. D45—16)

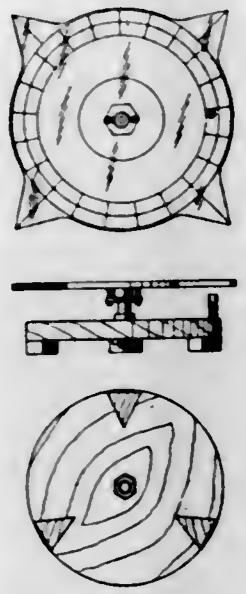


The ornamental design for a Rosary of the Stations of the Cross, as shown and described.

146,578

DESIGN FOR A GAME DEVICE OR SIMILAR ARTICLE

Ted Kirk, New York, N. Y.
Application January 12, 1946, Serial No. 125,504
Term of patent 14 years
(Cl. D34—5)

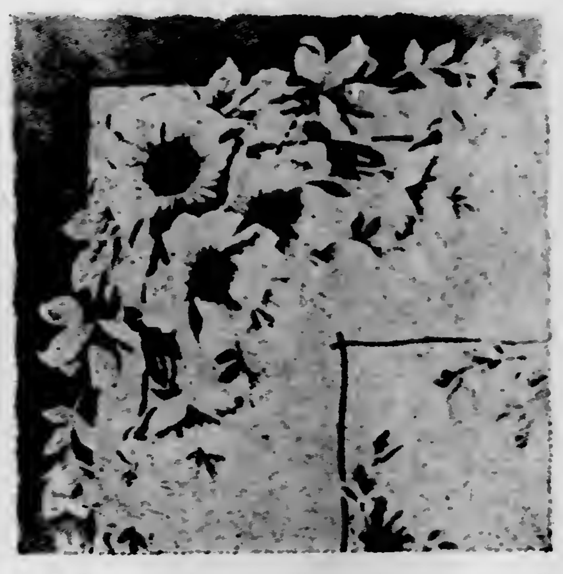


The ornamental design for a game device or similar article, as shown.

146,579

DESIGN FOR A TABLECLOTH OR SIMILAR ARTICLE

Robert Laessig, New York, N. Y.
Application November 13, 1946, Serial No. 134,735
Term of patent 3½ years
(Cl. D92—26)

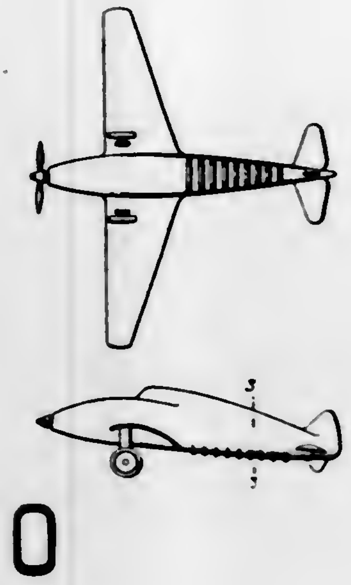


The ornamental design for a tablecloth or similar article, substantially as shown and described.

146,580

DESIGN FOR A TOY AIRPLANE

Jerome J. Miller, Ottoville, Ohio
Application July 31, 1945, Serial No. 121,104
Term of patent 14 years
(Cl. D34—15)

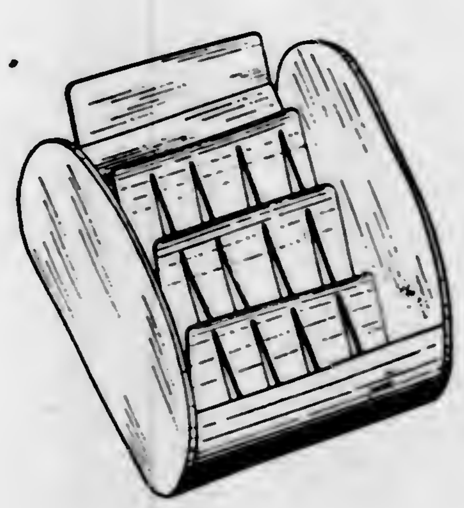


The ornamental design for a toy airplane, as shown and described.

146,581

DESIGN FOR A DISPLAY CABINET

William L. Nehrenz, New York, N. Y., assignor to David Traum Company, Incorporated, New York, N. Y., a corporation of New York
Application January 21, 1946, Serial No. 125,814
Term of patent 7 years
(Cl. D80—9)

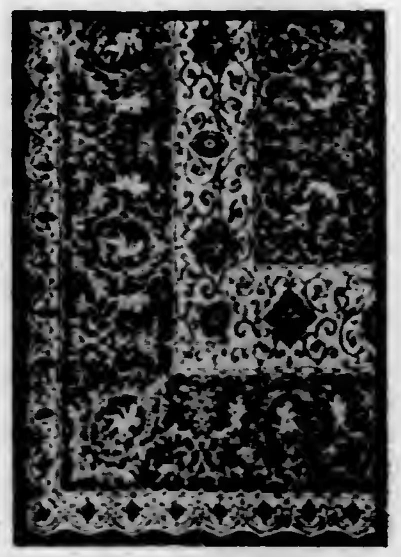


The ornamental design for a display cabinet, substantially as shown.

146,582

DESIGN FOR A LACE TABLECLOTH

Ferdinand P. Otto, Philadelphia, Pa., assignor to Quaker Lace Company, Philadelphia, Pa.
Application November 2, 1946, Serial No. 134,489
Term of patent 14 years
(Cl. D92—26)

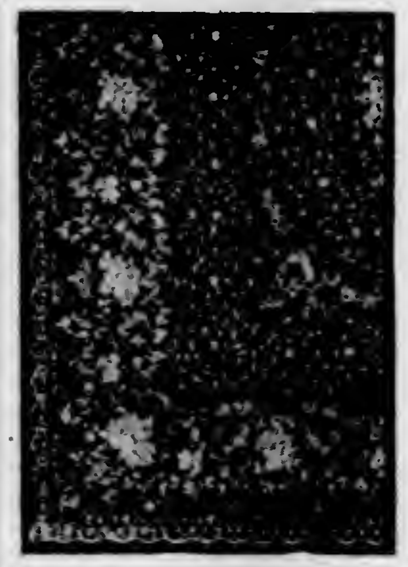


The ornamental design for a lace tablecloth, substantially as shown and described.

146,583

DESIGN FOR A LACE TABLECLOTH

Ferdinand P. Otto, Philadelphia, Pa., assignor to Quaker Lace Company, Philadelphia, Pa.
Application November 2, 1946, Serial No. 134,490
Term of patent 14 years
(Cl. D92—26)

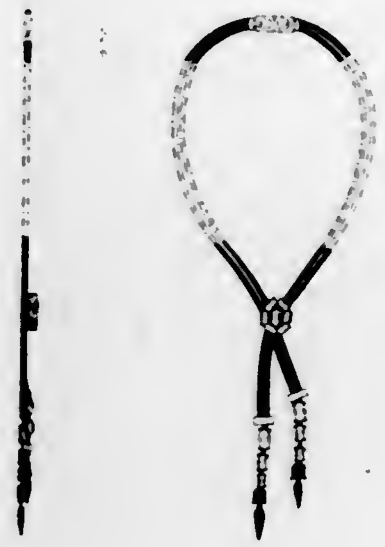


The ornamental design for a lace tablecloth, substantially as shown and described.

146,584

DESIGN FOR A NECKLACE

Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel Inc., New York, N. Y.
Application February 2, 1946, Serial No. 126,217
Term of patent 7 years
(Cl. D45—16)

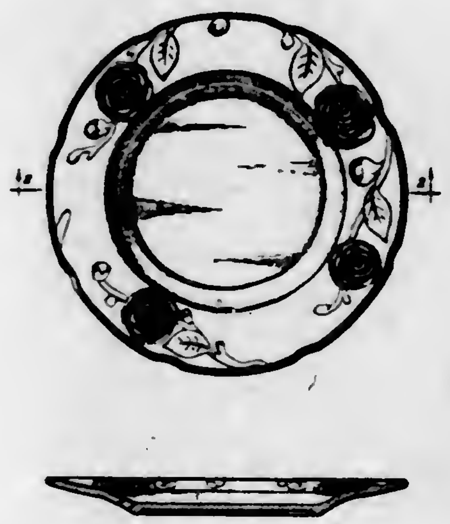


The ornamental design for a necklace, substantially as shown.

146,585

DESIGN FOR A PLATE OR SIMILAR ARTICLE

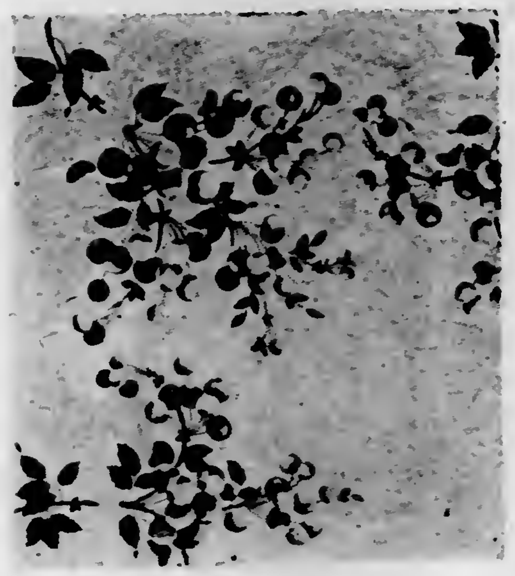
Willis O. Prouty, Puente, Calif., assignor to Metlox Manufacturing Company, Manhattan Beach, Calif., a corporation of California
Application July 27, 1946, Serial No. 132,024
Term of patent 7 years
(Cl. D44—15)



The ornamental design for a plate or similar article, substantially as shown.

146,586
DESIGN FOR A TABLECLOTH OR SIMILAR ARTICLE

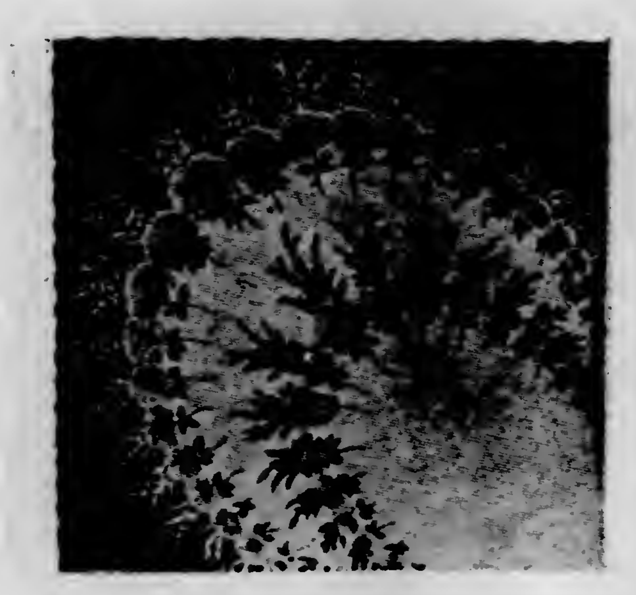
Ludwig G. Rohner, New York, N. Y.
Application October 22, 1946, Serial No. 134,164
Term of patent 3½ years
(Cl. D92—26)



The ornamental design for a tablecloth or similar article, substantially as shown and described.

146,587
DESIGN FOR A TABLECLOTH OR SIMILAR ARTICLE

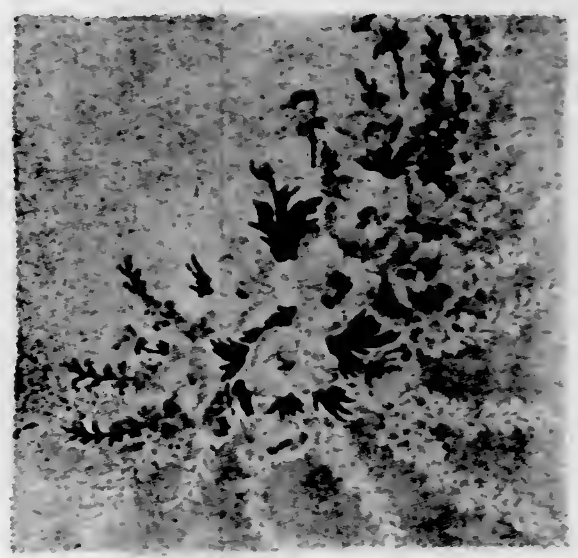
Ludwig G. Rohner, New York, N. Y.
Application November 13, 1946, Serial No. 134,740
Term of patent 3½ years
(Cl. D92—26)



The ornamental design for a tablecloth or similar article, substantially as shown and described.

146,588
DESIGN FOR A TABLECLOTH OR SIMILAR ARTICLE

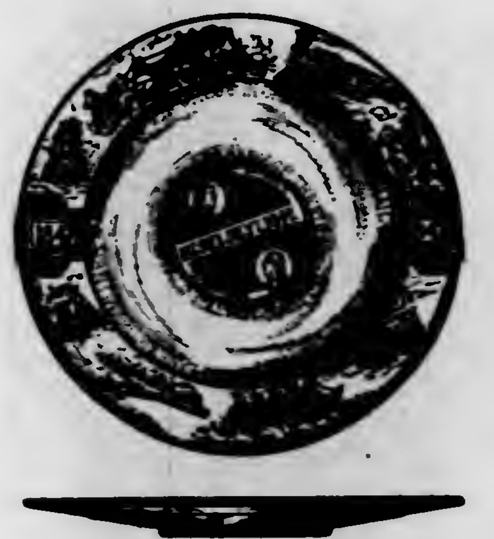
Ludwig G. Rohner, New York, N. Y.
Application February 11, 1947, Serial No. 136,841
Term of patent 3½ years
(Cl. D92—26)



The ornamental design for a tablecloth or similar article, substantially as shown and described.

146,589
DESIGN FOR A PLATE OR SIMILAR ARTICLE

Richard V. Shanklin, Jr., Huntington, W. Va.
Application March 25, 1946, Serial No. 127,939
Term of patent 3½ years
(Cl. D44—15)



The ornamental design for a plate or similar article, as shown.

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

W. AVERELL HARRIMAN, *Secretary*

U. S. Patent Office

CASPER W. OOMS, *Commissioner*

PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

Contents

Page
Issue of April 15, 1947 293
Patents Expiring 293
Applications Under Examination 294

Decisions of the U. S. Courts

Roswell F. Hatch v. Ooms, Commissioner of Patents, Vernon M. Dorsey v. Ooms, Commissioner of Patents, Henry W. Carter v. Ooms, Commissioner of Patents 295
In re Leum et al. 305

Notices

Public Law 690 306
Disclaimers 306
Interference Notice 306
Adjudicated Patents 306
Order No. 3939 306
Register of Patents Available for Licensing or Sale 307
Trade-Marks Published (158 Applications) 309
Trade-Mark Registrations Granted 328
Trade-Mark Registrations Renewed 338
Reissues 343
Patents Granted 345
Designs 438

April 15, 1947

Trade-Marks	157	—No. 428,963 to No. 429,119, inclusive
T. M. Renewals	67	
Reissues	6	—No. 22,866 to No. 22,871, inclusive
Patents	383	—No. 2,418,808 to No. 2,419,190, inclusive
Designs	45	—No. 146,590 to No. 146,634, inclusive
Total	658	

Patents expiring: Patent Numbers 1,754,216 to 1,755,163, inclusive, issued April 15, 1930, expire April 15, 1947

Condition of Applications Under Examination at Close of Business March 28, 1947

(Total number of applications awaiting action, excluding Trade-Mark Division, 143,794; Trade-Mark Division, 12,760. Oldest new case, July 9, 1945; oldest amended, July 14, 1945.) (The dates given are 1945 except where * indicates 1946.) DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS	Oldest new application and oldest action by applicant awaiting office action New	Amended	No. of applications awaiting action
1. GOLDBERG, A. J., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	Aug. 17	Nov. 13	2853
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	Oct. 15	Oct. 8	3466
3. SCHIMMEL, J., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	Oct. 10	Oct. 5	2020
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Package and Article Carriers; Pneumatic Dispatch; Store Service; Mining, Quarrying, and Ice Harvesting.	Nov. 13	Nov. 27	2802
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	July 9	July 14	4306
6. GENIESSE, E. W., Carbon Chemistry (part)	*Jan. 30	*Feb. 25	1947
7. HANLIN, GEORGE, Optics, Photography	*Feb. 1	*Jan. 11	1959
8. IMUS, A. E., Furniture; Kitchen and Table Articles; Racks and Cabinets	Oct. 10	Oct. 8	3846
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	Oct. 3	Sept. 6	2209
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Modulators.	Dec. 14	Nov. 8	1467
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	*June 28	*July 9	819
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	Nov. 24	Nov. 26	2700
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	Aug. 2	Sept. 5	2262
14. FREEHOF, H. B., Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	*Jan. 8	Nov. 15	1482
15. HENKIN, B., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Heterocyclic Compounds (part); Plastics.	*Mar. 22	*Mar. 8	1265
16. LOVEWELL, N. N., Telegraphy; Telephony	*Feb. 23	*Feb. 18	1251
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	*Jan. 3	Nov. 10	1281
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	Aug. 2	Aug. 30	1878
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Dec. 14	*Jan. 19	1804
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	Oct. 3	Oct. 8	2166
21. THOMPSON, T. J., Textiles	*May 18	*June 10	885
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Nov. 30	Nov. 15	1929
23. LEWIS, J. B., Cash Registers; Calculators (part)	Dec. 1	*Feb. 15	236
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	*July 23	*Aug. 2	1565
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Oct. 5	Nov. 26	1704
26. YOUNG, R. R., Electricity—Generation and Motive Power	Nov. 8	Nov. 17	2168
27. JAMES, S., Brush, Broom, and Mop Making; Brushing, Scrubbing, Cleaning; Liquid Contact with Solids	Dec. 4	Dec. 6	2352
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons	Sept. 24	Aug. 6	1614
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools	Sept. 28	Dec. 8	2550
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	Dec. 22	Dec. 18	2457
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	*Sept. 23	*Sept. 20	719
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Dec. 8	Dec. 8	2411
33. KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	Oct. 18	Oct. 10	3584
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators	Dec. 12	Dec. 28	1355
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Dec. 1	*Jan. 19	2271
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	Sept. 17	Sept. 28	1881
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	*Jan. 5	*Jan. 10	1555
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part); Rubber (part); Ornamentation	*Feb. 13	*Jan. 2	1381
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	Aug. 24	Aug. 20	2597
40. DRUMMOND, E. J., Receptacles (part); Packages	Dec. 29	*Jan. 3	2817
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Oct. 24	Nov. 30	904
42. MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters	*May 1	*May 3	1034
43. STONE, I. G., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	*Apr. 5	*Jan. 18	1081
44. HARVEY, L. P., Refrigeration; Preserving	Aug. 23	Aug. 27	1373
45. LISANN, I., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Spring, Weight and Horsepower Motors.	Oct. 4	Sept. 20	2455
46. MUSHAKE, W. I., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	*Jan. 18	*Jan. 3	1690
47. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	*Jan. 15	*Jan. 12	2823
48. BERNSTEIN, S., Electricity, General Applications; Electric Igniters	Sept. 24	Sept. 20	1997
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	*Jan. 26	Dec. 6	1566
50. LEVIN, SAMUEL, Synthetic Resins	*Feb. 7	*Feb. 7	2512
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae).	Nov. 9	Nov. 5	2145
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	*Jan. 16	Nov. 23	3285
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	July 27	July 19	4233
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	Dec. 7	Nov. 30	2139
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	Oct. 4	Oct. 26	1872
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	*Jan. 15	*Jan. 10	1466
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Sept. 6	Nov. 7	3056
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	*Feb. 14	*Feb. 19	1394
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part)	Sept. 17	Sept. 25	2101
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	Oct. 8	*Jan. 11	1969
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys and Ships.	Nov. 24	Nov. 13	2685
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	Aug. 9	Aug. 17	4041
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	Nov. 20	Oct. 8	2059
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	*Sept. 26	*Sept. 16	1130
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	Sept. 18	Sept. 20	2297
TRADE-MARKS: MERCHANT, J. H.	*Apr. 16	*Oct. 19	12760
DESIGNS: BREHM, G. L., Acting	*Jan. 18	*Oct. 23	8673

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Academy Award Products, Inc., New York, N. Y. Jewelry, finger rings, brooches, etc. Serial No. 500,443; Apr. 15. Class 28.

Academy Award Products, Inc., New York, N. Y. Dining room, library, easy and rocking chairs, dinette, dining, etc., tables, divans, etc. Serial No. 500,446; Apr. 15. Class 32.

Acme White Lead & Color Works: *See*—
General Exhibits & Displays, Inc.

Adams, Whiting, Co., Inc., Boston, Mass. Paint and calcimine brushes. Serial No. 516,237; Apr. 15. Class 29.

Admiral Corporation, Chicago, Ill. Dry cells and dry batteries. Serial No. 496,940; Apr. 15. Class 21.

Aluminum Seal Company, Arnold, Pa. Caps and closure seals. Serial Nos. 505,792–3; Apr. 15. Class 50.

Alvey Conveyor Manufacturing Co., St. Louis, Mo. Conveyors. Serial No. 505,030; Apr. 15. Class 23.

Amberg File and Index Company, Kankakee, Ill. Scrap books and albums. Serial No. 506,286; Apr. 15. Class 37.

American Coatings Corp., Brooklyn, N. Y. Paints in a ready mixed form. Serial No. 492,171; Apr. 15. Class 16.

American Spectacle Co., Inc., New York, N. Y. Optical goods. Serial No. 506,571; Apr. 15. Class 26.

Ams, Max, Incorporated, New York, N. Y. Apple juice. Serial No. 502,871; Apr. 15. Class 45.

Arizona Citrus Products Company, Mesa, Ariz. Fresh citrus fruits. Serial No. 503,624; Apr. 15. Class 46.

Asbestos Supply Company of Seattle, Seattle, Wash. Furnace cement and hot water tank covers. Serial No. 506,854; Apr. 15. Class 12.

Associated Merchandising Corporation, New York, N. Y. Lawn mowers. Serial No. 503,858; Apr. 15. Class 23.

Atlas Supply Company, Newark, N. J. Trickle chargers for charging storage batteries. Serial No. 506,415; Apr. 15. Class 21.

Baltzly Company, The: *See*—
Baltzly, Stanley M.

Baltzly, Stanley M., doing business as The Baltzly Company, Massillon, Ohio, assignor to Princess Pat Ltd., Chicago, Ill. Hair dressing and preparations. Serial No. 505,093; Apr. 15. Class 6.

Barron Chemical Corp., New York, N. Y. Drug which contains an oral form of penicillin. Serial No. 495,719; Apr. 15. Class 6.

Basic Publications, Inc., assignee: *See*—
Kingsway Press, Inc.

Basic Publications, Inc., New York, N. Y. Magazine. Serial No. 495,006; Apr. 15. Class 38.

Belber Trunk & Bag Company, Woodbury, N. J. Canvas trunks, hand luggage. Serial No. 500,735; Apr. 15. Class 3.

Beldam Packing & Rubber Co. Limited, London, England. Asbestos fibre for lagging, asbestos covering for boilers, pipes, etc. Serial No. 511,442; Apr. 15. Class 12.

Beychok, Sam, Shreveport, La. Playground equipment. Serial No. 490,098; Apr. 15. Class 22.

Boston Varnish Company, Everett, Mass. Ready mixed paints. Serial Nos. 498,201–2; Apr. 15. Class 16.

Boyd-Richardson Company, St. Louis, Mo. Men's suits, overcoats, topcoats, etc. Serial No. 494,735; Apr. 15. Class 39.

Bracke, R. F., & Company, Chicago, Ill. Carburetors. Serial No. 507,102; Apr. 15. Class 23.

Brayten Pharmaceutical Company: *See*—
Meta Cine Company.

Brooks Brothers, New York, N. Y. Smoking tobacco. Serial No. 505,635; Apr. 15. Class 17.

Brown, Stanley & Company: *See*—
Brownstein, Nathan.

Brownstein, Nathan, doing business as Stanley Brown & Company, Boston, Mass. Cough preparation. Serial No. 505,389; Apr. 15. Class 6.

Brush Development Company, The, Cleveland, Ohio. Piezoelectric crystal material. Serial No. 507,570; Apr. 15. Class 21.

California Spray-Chemical Corporation, Wilmington, Del., and Richmond, Calif. Fertilizers. Serial No. 504,742; Apr. 15. Class 10.

Celanese Corporation of America, New York, N. Y. Piece goods made of cellulose derivatives. Serial No. 471,789; Apr. 15. Class 42.

Chase Candy Company, assignee: *See*—
Clinton Industries, Inc.

Churchward Engineering Co., New Haven, Conn. Welding electrode holders and parts thereof. Serial No. 509,562; Apr. 15. Class 21.

Clausen and Company, Charlotte, N. C. Shoes. Serial No. 504,605; Apr. 15. Class 39.

Cleveland Pharmaceutical Company, The, Cleveland, Ohio. Ointment salves. Serial No. 504,157; Apr. 15. Class 6.

Clinton Industries, Inc., doing business as Veribrite Factory, assignor to Chase Candy Company, Chicago, Ill. Candy. Serial No. 498,597; Apr. 15. Class 46.

Colonial Mfg. Co., Inc., New York, N. Y. Jewelry for personal wear or adornment. Serial No. 508,790; Apr. 15. Class 28.

Company of Master Craftsmen, Inc., Oneida, N. Y. Upholstered furniture. Serial No. 498,205; Apr. 15. Class 32.

Constellation Watch Corp., New York, N. Y. Watches and clocks. Serial No. 517,888; Apr. 15. Class 27.

Continental Optical Company, Inc., Indianapolis, Ind. Ophthalmic lens frames and mountings therefor. Serial No. 504,158; Apr. 15. Class 26.

Cooley, Sara, Cosmetics, Los Angeles, Calif. Cologne. Serial No. 502,428; Apr. 15. Class 6.

Cooperative Mills, Inc., Baltimore, Md. Mixture of ingredients for making pancakes. Serial No. 482,051; Apr. 15. Class 46.

Coty, Inc., New York, N. Y. Toilet water, perfume, and brilliantine, etc. Serial No. 484,292; Apr. 15. Class 6.

Coukoulis, Frank, doing business as Mary Ellen Candy Company, Des Moines, Iowa. Candies. Serial No. 501,829; Apr. 15. Class 46.

Courier Papeteries, Minneapolis, Minn. Stationery. Serial No. 505,145; Apr. 15. Class 37.

Cowan, Con, Co.: *See*—
Cowan, Con G.

Cowan, Con G., doing business as Con Cowan Co., Los Angeles, Calif. Shelled salted peanuts. Serial No. 490,529; Apr. 15. Class 46.

Croda, Limited, Goole, England. Rust preventive coating in the nature of a paint. Serial No. 487,031; Apr. 15. Class 16.

Davis, H. B., Company, The, Baltimore, Md. Paints (ready mixed and liquid, paste form, and dry), paint enamels, etc. Serial No. 497,922; Apr. 15. Class 16.

Deco Manufacturing Company, Inc., Los Angeles, Calif. Mops, brushes, and dusters. Serial No. 506,015; Apr. 15. Class 29.

Del Collado, Juan J., Santa Clara, Cuba. Dry gin, anisette, whiskey, etc. Serial No. 481,885; Apr. 15. Class 49.

Destruxol Corporation, Ltd., Pasadena, Calif. Chemical composition in powdered form. Serial No. 499,213; Apr. 15. Class 6.

Diamond Craft of America: *See*—
Ludel, William.

Diamond Craft of America, Inc., assignee: *See*—
Ludel, William.

Diamond Power Specialty Corporation, Detroit, Mich. Liquid level gauges. Serial No. 507,893; Apr. 15. Class 26.

Display Lighting, Incorporated, New York, N. Y. Electric spotlights and boomlights, and parts thereof. Serial No. 510,016; Apr. 15. Class 21.

Drug Products Co., Inc., The, New York and Long Island City, N. Y. Medicinal preparation. Serial No. 501,123; Apr. 15. Class 6.

Dunhill, Mary, Inc., New York, N. Y. Perfume. Serial No. 490,799; Apr. 15. Class 6.

Electrolux Corporation, New York, N. Y. Weekly publications. Serial No. 480,282; Apr. 15. Class 38.

Empire Rayon Yarn Co., Inc., New York, N. Y. Rayon yarn. Serial No. 502,129; Apr. 15. Class 43.

Feder, Louis, New York, N. Y. Hair goods, made of human hair. Serial Nos. 504,536–7; Apr. 15. Class 40.

Federal Manufacturing & Engineering Corp., Brooklyn, N. Y. Photographic lenses. Serial No. 508,150; Apr. 15. Class 26.

Firth Sterling Steel Company, McKeesport, Pa. Sintered carbide hard metal compositions. Serial No. 485,905; Apr. 15. Class 14.

Florasynth Laboratories Incorporated, New York, N. Y. Flavoring extracts. Serial No. 500,383; Apr. 15. Class 46.

Flynn and Emrich Company, Baltimore, Md. Industrial and domestic coal stokers. Serial No. 509,508; Apr. 15. Class 34.

Game Creations, Inc., New York, N. Y. Board game. Serial No. 516,125; Apr. 15. Class 22.

General Cable Corporation, New York, N. Y. Bare and insulated electric wires and cables. Serial No. 509,767; Apr. 15. Class 21.

General Exhibits & Displays, Inc., Chicago, Ill., assignor to Acme White Lead & Color Works, Detroit, Mich. Dioramic models used as a scientific guide for color selections. Serial No. 499,619; Apr. 15. Class 26.

Gibson Good Tools, Inc., Orange, Mass. Hammers. Serial No. 503,565; Apr. 15. Class 23.

Glasdown Corporation, Wilkes-Barre, Pa. Mattresses, pillows, and cushions. Serial No. 504,107; Apr. 15. Class 32.

Goldsby-Evans Produce Co., Phoenix, Ariz. Fresh vegetables and melons. Serial No. 494,900; Apr. 15. Class 46.

Gomez, Nicomedes G., Segovia, Spain. Special anisette. Serial No. 471,118; Apr. 15. Class 49.

Goodrich, B. F., Company, The, New York, N. Y., and Akron, Ohio. Insulating tape. Serial No. 509,416; Apr. 15. Class 21.

Gordon, Manuel, doing business as Gordon Manufacturing Company, Philadelphia, Pa. Spring hobby horses, rocking horses and playground equipment. Serial No. 491,321; Apr. 15. Class 22.

Gordon Manufacturing Company: *See*—
Gordon, Manuel.

Grimaldi, Ignazio, Modesto, Calif. Fresh grapes. Serial No. 505,198; Apr. 15. Class 46.

Gruen Watch Company, The, Cincinnati, Ohio. Watches, watch cases, and watch movements. Serial No. 516,977; Apr. 15. Class 27.

Hickok Manufacturing Company, Inc., Rochester, N. Y. Necktie holders, collar fasteners, belt buckles, etc. Serial No. 507,315; Apr. 15. Class 28.

Inter-Allied Slipper Co., Inc., New York, N. Y. Men's and women's slippers. Serial No. 508,156; Apr. 15. Class 39.

Inertol Co., Inc., Newark, N. J. Water proofing and protective coatings. Serial No. 492,140; Apr. 15. Class 16.

Irresistible, Inc., New York, N. Y. Cologne. Serial No. 502,640; Apr. 15. Class 6.

Irving, H. A., San Francisco, Calif. Canned fish. Serial No. 493,778; Apr. 15. Class 46.

Jaden, F., Manufacturing Co. Inc., Hastings, Nebr. Centrifugal steam unit heaters. Serial No. 485,502; Apr. 15. Class 34.

Jefferson Island Salt Company, Louisville, Ky. Salt. Serial No. 464,612; Apr. 15. Class 46.

Jewel-Smiths, Inc., Boston, Mass. Jewelry, and metal articles of adornment. Serial No. 502,753; Apr. 15. Class 28.

Johnston, John M., doing business as Jonco Products Company, Hillside, N. J. Mops. Serial No. 506,172; Apr. 15. Class 29.

Jonco Products Company: *See*—
Johnston, John M.

Kaufman and Ruderman Co. Inc., New York, N. Y. Costume jewelry. Serial No. 507,319; Apr. 15. Class 28.

Kingsway Press, Inc., The, assignor to Basic Publications, Inc., New York, N. Y. Magazine. Serial No. 475,657; Apr. 15. Class 38.

Knitters Yarn, Inc., Philadelphia, Pa. Yarn. Serial No. 509,518; Apr. 15. Class 43.

Kynoch, G. & G., Limited, London, England. Textile piece goods. Serial No. 502,068; Apr. 15. Class 42.

Lambertson, E. R., doing business as Medi-Synth Laboratories, Los Angeles, Calif. Medicated skin cream. Serial No. 502,984; Apr. 15. Class 6.

Lancaster, B. L., Company, Sacramento, Calif. Dried prunes, dried raisins, vinegar, and tomato catsup. Serial No. 482,289; Apr. 15. Class 46.

Lane Limited: *See*—
Lane Tobacco, Ltd.

Lane Tobacco, Ltd., New York, N. Y., now by change of name to Lane Limited. Smoking tobacco. Serial No. 505,602; Apr. 15. Class 17.

Laucks, I. F., Inc., assignor to Monsanto Chemical Company, Seattle, Wash. Paints in ready mixed form. Serial No. 498,529; Apr. 15. Class 16.

Lektron Corporation, The, New York, N. Y. Electric shaver and blades. Serial No. 507,682; Apr. 15. Class 23.

Lloyd Manufacturing Company: *See*—
Urbach, Jack.

Ludel, William, doing business as Diamond Craft of America, assignor to Diamond Craft of America, Inc., New York, N. Y. Diamonds, diamonds mounted in finger rings, and rings without diamonds. Serial No. 491,276; Apr. 15. Class 28.

Maas & Waldstein Company, Newark, N. J. Paints in paste and ready mixed form, varnishes, paint enamels, etc. Serial No. 487,195; Apr. 15. Class 16.

Magnaflux Corporation, Chicago, Ill. Electrical apparatus for detecting the presence of metal particles. Serial No. 502,445; Apr. 15. Class 26.

Mailcraft: *See*—
Wilhelm, Robert P.

Major Industries Co., Inc., Redondo Beach, Calif. Concrete building blocks. Serial No. 513,569; Apr. 15. Class 12.

Maltine Company, The, New York, N. Y. Protein, hydrolysate. Serial No. 505,844; Apr. 15. Class 6.

Mary Ellen Candy Company: *See*—
Coukoulis, Frank.

McKay Company, The, Pittsburgh, Pa. Welding electrodes of the rod or wire type. Serial No. 490,693; Apr. 15. Class 14.

Medi-Synth Laboratories: *See*—
Lambertson, E. R.

Mengel Company, The, Louisville, Ky. Dressers, bureaus, highboys, etc. Serial No. 503,211; Apr. 15. Class 32.

Meta Cine Company, now by change of name Brayten Pharmaçeutical Company, Chattanooga, Tenn. Medicinal preparation. Serial No. 505,762; Apr. 15. Class 6.

Monsanto Chemical Company: *See*—
Laucks, I. F., Inc.

National Mattress Company, Huntington, W. Va. Mattresses, box springs, sofa beds, etc. Serial No. 493,449; Apr. 15. Class 32.

National Mattress Company, Huntington, W. Va. Mattresses, box springs, cribs, etc. Serial No. 499,728; Apr. 15. Class 32.

National Smelting Company, The, Cleveland, Ohio. Aluminum alloy ingots and billets. Serial No. 486,802; Apr. 15. Class 14.

Newsstand Publications Inc., New York, N. Y. Magazine or publication. Serial No. 504,379; Apr. 15. Class 38.

Nitsch, C. A., Company: *See*—
Nitsch, Charles A.

Nitsch, Charles A., doing business as C. A. Nitsch Company, Elkridge, Md. Emulsified nasal drops and spray. Serial No. 476,170; Apr. 15. Class 6.

Novelté Papeteries, Inc., Colorado Springs, Colo. Stationery. Serial No. 506,056; Apr. 15. Class 37.

Novelty Mfg. & Sales Corp., Charlotte, N. C. Bubble making outfits. Serial No. 498,164; Apr. 15. Class 22.

Nunes, Edward M., doing business under the name and style of Palo Pacific Co., San Francisco, Calif. Seat and back rest. Serial No. 502,591; Apr. 15. Class 32.

Ohio Stove Company, The, Portsmouth, Ohio. Barbecue grills. Serial No. 497,491; Apr. 15. Class 34.

Omega Machine Co., Providence, R. I. Feeders for continuously and automatically feeding powdered or granular material into a mass of material to become a part thereof. Serial No. 483,079; Apr. 15. Class 26.

Oneida Ltd., Sherrill and Oneida, N. Y. Silverplated flat table ware. Serial No. 507,213; Apr. 15. Class 28.

Page Milk Co., The, Merrill, Wis. Special vitamin A and vitamin D enriched evaporated milk. Serial No. 476,849; Apr. 15. Class 46.

Palo Pacific Co.: *See*—
Nunes, Edward M.

Paragon Art & Linen Co. Inc., New York, N. Y. Finished decorative linens. Serial No. 484,317; Apr. 15. Class 42.

Parfait, Incorporated, Chicago, Ill. Cologne, talcum powder, after shave lotion, etc. Serial No. 502,997; Apr. 15. Class 6.

Patterson Foundry & Machine Co., The, East Liverpool, Ohio. Grinding balls. Serial No. 506,892; Apr. 15. Class 23.

Perry, A. S., and Associates: *See*—
Perry, Alva S.

Perry, Alva S., doing business as A. S. Perry and Associates, Atlanta, Ga. Gold, gold-filled, sterling, and plated jewelry. Serial No. 506,686; Apr. 15. Class 28.

Pervy, Adolphe, West Chester, Pa. Combined sound and picture film. Serial No. 504,452; Apr. 15. Class 26.

Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Mattresses, playards, cribs, etc. Serial No. 483,737; Apr. 15. Class 32.

Poix, G. M., Inc., New York, N. Y. Brassières. Serial No. 505,982; Apr. 15. Class 39.

Poix, G. M., Inc., New York, N. Y. Brassières. Serial No. 505,984; Apr. 15. Class 39.

Posner, Dr. A., Shoes, Inc., New York, N. Y. Shoes. Serial No. 466,949; Apr. 15. Class 39.

Princess Pat Ltd., assignee: *See*—
Baltzly, Stanley M.

Regal Pipe Company, San Francisco, Calif. Smoking pipes. Serial No. 505,669; Apr. 15. Class 8.

Remond, Holland, Inc., New York, N. Y. Textile fabrics. Serial No. 504,212; Apr. 15. Class 42.

Renie Metal Products Corporation, The, Mansfield, Ohio. Metal bins. Serial No. 509,169; Apr. 15. Class 2.

Rubicon, assignor to Rubicon, Inc., New York, N. Y. Lamps. Serial No. 502,923; Apr. 15. Class 50.

Rubicon, Inc.: *See*—
Rubicon.

Sav-Way Industries, assignor to Sav-Way Industries, Incorporated, Detroit, Mich. Toy coaster wagons. Serial No. 493,148; Apr. 15. Class 22.

Sav-Way Industries, Incorporated, assignee: *See*—
Sav-Way Industries.

Scientific Development Corporation, New York, N. Y. Magazine. Serial No. 500,578; Apr. 15. Class 38.

Sears, Roebuck and Co., Chicago, Ill. Clock controlled timing switch. Serial No. 496,337; Apr. 15. Class 21.

Sears, Roebuck and Co., Chicago, Ill. Brooder houses, hog houses, and stock stalls. Serial No. 511,508; Apr. 15. Class 12.

Sills Research Laboratory, Los Angeles, Calif. Suntan lotion. Serial No. 502,467; Apr. 15. Class 6.

Smith, L. C., & Corona Typewriters, Inc., Syracuse, N. Y. Typewriter ribbons and carbon paper. Serial No. 504,218; Apr. 15. Class 11.

Societe Anonyme de Diffusion Internationale de Parfumerie, Paris, France. Perfumes, toilet creams, and dentifrices. Serial Nos. 499,157–8; Apr. 15. Class 6.

Societe Anonyme de Diffusion Internationale de Parfumerie, Paris, France. Perfumes, toilet creams, and dentifrices. Serial Nos. 499,160–5; Apr. 15. Class 6.

Societe d'Etudes et d'Expansion de la Parfumerie de Luxe, Paris and Asnieres near Paris, France. Perfumes. Serial No. 502,086; Apr. 15. Class 6.

Sosin, Walter S., doing business as The Walstan Co., New York, N. Y. Men's toiletries. Serial No. 493,405; Apr. 15. Class 6.

Sterling Drug Inc., Wilmington, Del. Cleaning preparations. Serial No. 503,768; Apr. 15. Class 4.

Sterling Metal Products Company, assignee: *See*—
Vassar, Clyde W.

Swift & Company, Chicago, Ill. Food for carniverous animals. Serial No. 507,085; Apr. 15. Class 46.

Switzer Brothers, assignor to Switzer Brothers, Inc., Cleveland, Ohio. Inks. Serial No. 503,478; Apr. 15. Class 11.

Switzer Brothers, Inc.: *See*—
Switzer Brothers.

Tracerlab, Inc., Boston, Mass. Scientific instruments. Serial No. 500,331; Apr. 15. Class 26.

Tres Hermanos, Albuquerque, N. Mex. Shoes. Serial No. 500,390; Apr. 15. Class 39.

Unicorn Products Co., Inc., New York, N. Y. Costume jewelry. Serial No. 508,826; Apr. 15. Class 28.

Union Oil Company of California, Los Angeles, Calif. Catalysts. Serial No. 511,120; Apr. 15. Class 6.

Urbach, Jack, doing business as Lloyd Manufacturing Company, Brooklyn, N. Y. Simulated pearls and costume jewelry. Serial No. 508,943; Apr. 15. Class 28.

Vassar, Clyde W., San Mateo, assignor to Sterling Metal Products Company, Redwood City, Calif. Babies' and children's toy portable swings and parts thereof. Serial No. 496,741; Apr. 15. Class 22.

Veribrite Factory: *See*—
Clinton Industries, Inc.

Victory Shoe Company, St. Louis, Mo. Women's and girls' shoes. Serial No. 508,395; Apr. 15. Class 39.

Wallace & Tiernan Products, Incorporated, Belleville, N. J. Antiseptic powder. Serial No. 499,524; Apr. 15. Class 6.

Walstan Co., The: *See*—
Sosin, Walter S.

Western United Distributors, San Francisco, Calif. Brandy. Serial Nos. 498,557–8; Apr. 15. Class 49.

Wilhelm, Robert P., doing business as Mailcraft, New York, N. Y. Multigraphed trade lists. Serial No. 501,549; Apr. 15. Class 38.

Winter Brothers Company, Wrentham, Mass. Taps and dies. Serial No. 505,465; Apr. 15. Class 23.

Woolfoam Corporation, The, New York, N. Y. Washing compound. Serial No. 503,541; Apr. 15. Class 4.

Wyoming Mining Corporation, Philadelphia, Pa. Coal. Serial No. 506,215; Apr. 15. Class 1.

Zamax Manufacturing Co., Inc., Haverstraw, N. Y. Hydraulic vehicle jack. Serial No. 504,415; Apr. 15. Class 23.

Zinsco Electrical Products, Los Angeles, Calif. Electrical switchboards, panelboards, switchboxes, etc. Serial No. 509,551; Apr. 15. Class 21.

LIST OF REGISTRANTS OF TRADE-MARKS

Academy Award Products, Inc., New York, N. Y. House and room air-conditioning units, oil, gas and coal household hot-air, steam and hot water heating units, etc. 429,045; Apr. 15; Serial No. 500,448; published Feb. 4, 1947. Class 34.

Adam Hat Stores Inc., New York, N. Y. Men's hats. 429,046; Apr. 15; Serial No. 500,716; published Jan. 14, 1947. Class 39.

Aireon-Manufacturing Corporation, Kansas City, Kans., and Burbank, Calif. Mobile and fixed station radio receiving and transmitting communication apparatuses. 428,989; Apr. 15; Serial No. 488,300; published Jan. 14, 1947. Class 21.

Aireon Manufacturing Corporation, Kansas City, Kans. Electrical apparatus; and parts of such apparatus. 428,994; Apr. 15; Serial No. 490,047; published Dec. 17, 1946. Class 21.

Airubber Corporation, Chicago, Ill., to New York Rubber Corporation, New York, N. Y. Cushions and mattresses. 223,815; renewed Feb. 8, 1047. O. G. Apr. 15. Class 32.

Alexander, John, of New Haven, Incorporated, New Haven, Conn. Men's jackets. 429,000; Apr. 15; Serial No. 492,170; published Jan. 14, 1947. Class 39.

Allied Stores Corporation, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash., Dey Brothers & Company, Syracuse, N. Y., and Quackenbush Company, Paterson, N. J. Misses' and ladies' dresses. 429,097; Apr. 15. Class 39.

Alms & Doepke Co., The, Cincinnati, Ohio. Gloves and mittens, hosiery, sweaters, etc. 428,983; Apr. 15; Serial No. 486,238; published Jan. 21, 1947. Class 39.

American Chemical Paint Company, Ambler, Pa. Cleaning and conditioning compound. 429,036; Apr. 15; Serial No. 499,884; published Jan. 14, 1947. Class 4.

American Stove Company, Jersey City, N. J., and St. Louis, Mo., to American Stove Company, St. Louis, Mo. Gas heaters, oil-stoves, gasolene or vapor stoves, etc. 57,773; re-renewed Nov. 27, 1946. O. G. Apr. 15. Class 34.

American Welding and Manufacturing Company, The, Warren, Ohio. Apparatus for separating cinders from gases. 429,065; Apr. 15; Serial No. 504,239; published Feb. 4, 1947. Class 34.

Arctic Feather & Down Co.: *See*—
Bauer, Eddie.

Associated Merchandising Corporation, New York, N. Y. Men's shoes. 429,101; Apr. 15. Class 39.

Associated Products, Inc., Chicago, Ill. Soaps in solid, liquid, and flake form. 429,026; Apr. 15; Serial No. 498,481; published Jan 7, 1947. Class 4.

Associated Spring Corporation, Bristol, Conn. Steel. 429,031; Apr. 15; Serial No. 499,101; published Jan. 28, 1947. Class 14.

Atlas Brewing Company, Chicago, Ill. Ginger ale and root beer. 217,914; renewed Sept. 14, 1946. O. G. Apr. 15. Class 45.

Atomic Lighter Corporation, New York, N. Y. Friction fluid-spark, vapor pocket lighters. 428,986; Apr. 15; Serial No. 487,657; published Nov. 20, 1945. Class 34.

Badger Paper Mills, Inc., Peshtigo, Wis. Paper. 429,106; Apr. 15. Class 37.

Barrett, Gentry L., Long Beach, Calif. Food flavoring and seasoning sauces. 429,082; Apr. 15. Class 46.

Bauer, Eddie, doing business as Arctic Feather & Down Co., Seattle, Wash. Quilted garments. 428,967; Apr. 15; Serial No. 468,938; published Aug. 13, 1946. Class 39.

Beardsley's, J. W., Sons, New York, N. Y., to J. W. Beardsley's Sons, Newark, N. J. Salted and boneless fish. 29,087; re-renewed Nov. 3, 1946. O. G. Apr. 15. Class 46.

Behrens, A. W. & H. H., Brooklyn, to Florence-Merrick Grocery Co., Inc., Forest Hills, N. Y. Canned fish, canned shellfish, canned fruits, etc. 224,896; renewed Mar. 8, 1947. O. G. Apr. 15. Class 46.

Blackwell, H. J., doing business as The World's Messenger Publishing Company, Fort Worth, Tex. Magazine. 428,990; Apr. 15; Serial No. 488,566; published Jan. 14, 1947. Class 38.

Bon Marche, The: *See*—
Allied Stores Corporation.

Brach, E. J., & Sons, Chicago, Ill. Candy. 224,664; renewed Mar. 1, 1947. O. G. Apr. 15. Class 46.

Brown-Brockmeyer Company, The, Dayton, Ohio. Electrical motors. 429,008; Apr. 15; Serial No. 493,038; published Jan. 14, 1947. Class 21.

Cabot, Samuel, Inc., Boston, Mass. Builders' sheathing, packing or filling. 224,937; renewed Mar. 8, 1947. O. G. Apr. 15. Class 12.

Cake Box Bakers, The: *See*—
Pasternak, Ben.

Calatina Citrus Co.: *See*—
Meyers, Claire.

California Foundations, Inc., Los Angeles, Calif. Foundation garments, panties, corsets, etc. 429,080; Apr. 15. Class 39.

Canadian Mill & Elevator Co., El Reno, Okla. Wheat flour. 429,115; Apr. 15. Class 46.

Cardinet Candy Company (Inc.), Oakland, Calif. Candy. 429,076; Apr. 15. Class 46.

Carro, Ina C., West Roxbury, Mass. Wicks for range oil burners and the like. 429,113; Apr. 15. Class 34.

Carson Machine & Supply Co., Oklahoma City, Okla. Guards for floor furnace openings. 429,066; Apr. 15; Serial No. 506,492; published Feb. 4, 1947. Class 34.

Central Soya Company, Inc., Fort Wayne, Ind. Soy bean powder preparation. 428,971; Apr. 15; Serial No. 475,358; published Feb. 4, 1947. Class 1.

Childs, Woodrow M., Alameda, Calif. Game apparatus comprising playboard, dice, and playing pieces. 428,982; Apr. 15; Serial No. 485,933; published Feb. 4, 1947. Class 22.

Christie, Clowes M., doing business as Latex Co., Los Angeles, Calif. Synthetic rubber base paint. 428,992; Apr. 15; Serial No. 489,563; published Aug. 13, 1946. Class 16.

Clover Sportswear Company: *See*—
Spere, Dan.

Coachella Valley Citrus Association: *See*—
Coachella Valley Grapefruit Association.

Coachella Valley Grapefruit Association, Thermal, Calif., to Coachella Valley Citrus Association, Mecca, Calif. Fresh citrons fruits. 225,088; renewed Mar. 8, 1947. O. G. Apr. 15. Class 46.

Columbian Steel Tank Company, Kansas City, Mo. Steam tables; steam condensers for boilers, and fans, etc. 429,073; Apr. 15. Class 34.

Commons, James J., Beverly Hills, Calif. Table cloths and napkins, kitchen and guest towels, hand and bath towels, etc. 429,108; Apr. 15. Class 42.

Commonwealth Shoe and Leather Company, Whitman, Mass. Men's shoes of leather, rubber, fabric, etc. 429,075; Apr. 15. Class 39.

Concord Products Corporation, Chicago, Ill. Ash trays and cigarette holders. 428,999; Apr. 15; Serial No. 491,630; published Jan. 28, 1947. Class 8.

Congress Shirt Company, Boston, Mass. Ski-pants, slacks, trousers, mackinaws, etc. 429,091; Apr. 15. Class 39.

Conroy, Michael J., doing business as Conroy Sales Co., Philadelphia, Pa. Stove cleaner. 429,078; Apr. 15. Class 4.

Conroy Sales Co.: *See—*
Conroy, Michael J.

Consolidated Cosmetics, Chicago, Ill. Padlocks. 429,056; Apr. 15; Serial No. 502,738; published Jan. 21, 1947. Class 25.

Coro, Inc., New York, N. Y. Necklaces, bracelets, finger rings, etc. 428,993; Apr. 15; Serial No. 489,901; published Jan. 21, 1947. Class 28.

Cosmos Dental Products, Inc., New York, N. Y. Synthetic resin denture base materials. 429,068; Apr. 15; Serial No. 512,162; published Feb. 4, 1947. Class 44.

Cosmos Dental Products, Inc., New York, N. Y. Dental plastic. 429,069; Apr. 15; Serial No. 512,165; published Feb. 4, 1947. Class 44.

Crest Fabrics Corp., New York, N. Y. Ladies', misses', and girls' dresses, blouses, playsuits, etc. 429,092; Apr. 15. Class 39.

Danbury Rubber Company, Inc., Danbury, Conn. Shoe soles and heels. 429,047; Apr. 15; Serial No. 501,238; published Jan. 14, 1947. Class 39.

Davis, H. B., Company, The, Baltimore, Md. Paints, paint enamels, japans, etc. 429,104; Apr. 15. Class 16.

De Sanno, Albert P., Jr., Phoenixville, Pa. Vitamin and mineral preparation. 429,070; Apr. 15. Class 46.

Dey Brothers: *See—*
Allied Stores Corporation.

Donath, Ernest, Boston, Mass. Outer skirts. 429,100; Apr. 15. Class 39.

Dossert Manufacturing Corp., Brooklyn, N. Y. Electrical lug connectors. 429,061; Apr. 15; Serial No. 503,887; published Jan. 28, 1947. Class 21.

Drivness, Franklin J.: *See—*
Fetherston, John T.

Du-Grip Mfg. Co.: *See—*
Du Pont, William J.

Du Pont, William J., doing business as Du-Grip Mfg. Co., Toledo, Ohio. Belt dressings. 429,029; Apr. 15; Serial No. 498,889; published Jan. 21, 1947. Class 4.

Duro-Test Corporation, North Bergen, N. J., and elsewhere. Incandescent lamps. 428,979; Apr. 15; Serial No. 485,205; published Jan. 21, 1947. Class 21.

Electronic Laboratories, Inc., Indianapolis, Ind. Toys. 429,009; Apr. 15; Serial No. 493,109; published Feb. 4, 1947. Class 22.

Empire Products, New York, N. Y. Waterproof covers for men's hats. 429,098; Apr. 15. Class 39.

Emporium World Millinery Co., Chicago, Ill. Women's hats. 428,963; Apr. 15; Serial No. 458,650; published Apr. 20, 1943. Class 39.

Engel & Fetzer Co., The, Cleveland, Ohio. Women's hats. 429,102; Apr. 15. Class 39.

Engis Equipment Company, Chicago, Ill. Abrasive. 429,024; Apr. 15; Serial No. 497,924; published Jan. 28, 1947. Class 4.

Eppstein, Richard C., Toledo, Ohio. Denture resurfacer. 429,020; Apr. 15; Serial No. 496,692; published Feb. 4, 1947. Class 44.

Espirac, Teresina M.: *See—*
Negri, Teresina M.

Essex Wire Corporation, Detroit, Mich. Electrical conducting wire. 428,996; Apr. 15; Serial No. 490,641; published Jan. 14, 1947. Class 21.

Excel Diamond Co., New York, N. Y. Diamond rings. 429,064; Apr. 15; Serial No. 504,167; published Jan. 21, 1947. Class 28.

Falk, Dr., Stock Remedy Co., Cincinnati, Ohio, to Dr. Falk Stock Remedy Co., Hartley, Iowa. Poultry tablets. 213,739; renewed June 1, 1946. O. G. Apr. 15. Class 6.

Fetherston, John T., Cuylerville, to F. J. Drivness, Rochester, N. Y. Composition for treating garbage and garbage containers. 221,021; renewed Nov. 23, 1946. O. G. Apr. 15. Class 6.

Fetherston, John T., Cuylerville, to F. J. Drivness, Rochester, N. Y. Composition for treating garbage and garbage containers. 222,270; renewed Dec. 28, 1946. O. G. Apr. 15. Class 6.

Finkl, A., & Sons Company, Chicago, Ill. Steel used for die blocks, sow blocks, and forged parts. 429,012; Apr. 15; Serial No. 494,486; published Jan. 7, 1947. Class 14.

Flannigan Industries, Inc., Skaneateles, N. Y. Electric vacuum cleaners. 429,043; Apr. 15; Serial No. 500,382; published Jan. 21, 1947. Class 21.

Florence-Merrick Grocery Co., Inc.: *See—*
Behrens, A. W. & H. H.

Fluid Systems, Incorporated, Hamden, Conn. Apparatus consisting of an electrical transformer, and electric control panel, etc. 429,116; Apr. 15. Class 34.

Ford, J. B., Company, The, to Wyandotte Chemicals Corporation, Wyandotte, Mich. Modified soda ash. 219,466; renewed Oct. 19, 1946. O. G. Apr. 15. Class 6.

Fraleigh Hill Farm, Millbrook, N. Y. Cheese. 429,099; Apr. 15. Class 46.

France Neckwear Co., Inc., New York, N. Y. Men's neckties and scarfs. 428,988; Apr. 15; Serial No. 488,261; published Jan. 14, 1947. Class 39.

Fredonia Seed Co., Inc., Fredonia, N. Y. Flower and vegetable seeds. 223,368; renewed Feb. 1, 1947. O. G. Apr. 15. Class 1.

Fried, Ostermann Co., Milwaukee, Wis. Gloves and mittens and men's and boys' helmets, mackinaws, snowsuits, etc. 428,984; Apr. 15; Serial No. 486,763; published Mar. 5, 1946. Class 39.

Garbo, Paul W., Long Beach, N. Y. Powdered detergent compositions. 429,006; Apr. 15; Serial No. 492,770; published Jan. 14, 1947. Class 4.

Goldfeder, Sol, New York, N. Y. Silver plated hollowware. 429,004; Apr. 15; Serial No. 492,435; published Jan. 21, 1947. Class 28.

Goodrich, B. F., Company, The, New York, N. Y., Akron, Ohio, and Watertown, Mass. Footwear, specifically rubber-soled canvas footwear. 429,057; Apr. 15; Serial No. 502,747; published Feb. 4, 1947. Class 39.

Gothic Jarproof Watch Corp.: *See—*
Gothic Watch Co., Inc.

Gothic Watch Co., Inc., to Gothic Jarproof Watch Corp., New York, N. Y. Watches. 225,073; renewed Mar. 8, 1947. O. G. Apr. 15. Class 27.

Great Lakes Shoe Company: *See—*
Schmidt, Oliver F.

Gulow Corporation, The, New York, N. Y. Transformers. 429,011; Apr. 15; Serial No. 493,954; published Jan. 28, 1947. Class 21.

Haggard & Marcusson Company, Chicago, Ill. Bed, bed springs, bed slats, etc. 224,363–4; renewed Feb. 22, 1947. O. G. Apr. 15. Class 32.

Haill Products Company, Philadelphia, Pa. Toy vacuum cleaners. 429,067; Apr. 15; Serial No. 508,476; published Feb. 4, 1947. Class 22.

Hale, Jonathan, & Sons, to L. I. Hale, doing business as Jonathan Hale & Sons, Ionia, Mich. Self-rising and patent wheat flour. 218,656; renewed Sept. 28, 1946. O. G. Apr. 15. Class 46.

Hale, Laurence I.: *See—*
Hale, Jonathan, & Sons.

Hall Grain Company, New Iberia, La. Cane table syrup. 429,081; Apr. 15. Class 46.

Hanover Rubber Company, West Hanover, Mass. Rubber heels and soles. 429,013; Apr. 15; Serial No. 495,605; published Jan. 14, 1947. Class 39.

Hansen Manufacturing Company, Inc., Princeton, Ind. Electrical motors and generators. 428,987; Apr. 15; Serial No. 487,728; published Jan. 14, 1947. Class 21.

Harding, H. C., Inc., Philadelphia, Pa. Needle polisher and preserver preparation. 429,034; Apr. 15; Serial No. 499,331; published Jan. 28, 1947. Class 4.

Heath, Forrest A., Company, Inc., Denver, Colo. Moccasins, boys' chaps, and leather vests. 429,049; Apr. 15; Serial No. 501,507; published Jan. 21, 1947. Class 39.

Heilbrun, Van Baalen, & Co., New York, N. Y. Raincoats, robes, dressing gowns, etc. 429,118; Apr. 15. Class 39.

Hi-Line Co., Inc., New York, N. Y. Infants', children's, boys', girls', misses', and women's apparel. 429,089; Apr. 15. Class 39.

Hiss, John M., Los Angeles, Calif. Corrective shoe inserts. 429,086; Apr. 15. Class 44.

Houghton, E. F., & Co., to E. F. Houghton & Co., Philadelphia, Pa. Leather pulley-coverings, leather lugstraps, leather aprons, etc. 60,923; re-renewed Feb. 26, 1947. O. G. Apr. 15. Classes 1, 23, 39.

International Brotherhood of Electrical Workers, Washington, D. C. Electrical equipment. 428,998; Apr. 15; Serial No. 491,322; published Jan. 28, 1947. Class 21.

International Nickel Company, Inc., The, New York, N. Y. Nickel-containing hot-rolled wire rods. 429,027; Apr. 15; Serial No. 498,633; published Jan. 7, 1947. Class 14.

Interwoven Stocking Company, New Brunswick, N. J. Hosiery. 223,962; renewed Feb. 15, 1947. O. G. Apr. 15. Class 39.

Interwoven Stocking Company, New Brunswick, N. J. Hosiery. 223,969; renewed Feb. 15, 1947. O. G. Apr. 15. Class 39.

Jefferson Lake Sulphur Company Inc., Houston, Tex. Carbon black. 429,059; Apr. 15; Serial No. 502,899; published Feb. 4, 1947. Class 1.

Jersey Silk Mills, Inc., to Truhu Fabrics Corporation, New York, N. Y. Mufflers. 223,717; renewed Feb. 8, 1947. O. G. Apr. 15. Class 39.

Jersey Silk Mills, Inc., to Truhu Fabrics Corporation, New York, N. Y. Mufflers. 224,040; renewed Feb. 15, 1947. O. G. Apr. 15. Class 39.

Johnson, Stephens and Shinkle Shoe Company, St. Louis, Mo. Shoes. 429,058; Apr. 15; Serial No. 502,755; published Feb. 4, 1947. Class 39.

Johnston Company, Dallas, Tex. Boys', girls', and infants' wearing apparel. 429,028; Apr. 15; Serial No. 498,699; published Feb. 4, 1947. Class 39.

Kadet Kruger & Co., Chicago, Ill. Ladies' neckwear. 224,486; renewed Mar. 1, 1947. O. G. Apr. 15. Class 39.

Kellogg, P. P., & Co.: *See—*
United States Envelope Company.

Korach Brothers, Chicago, Ill. Women's, misses', and children's dresses. 429,001–2; Apr. 15; Serial Nos. 492,385–6; published Feb. 4, 1947. Class 39.

Latex Co.: *See—*
Christie, Clowes M.

Latrobe Electric Steel Company, Latrobe, Pa. Steel and sintered or cast hard metal compositions or alloy. 428,968–9; Apr. 15; Serial Nos. 470,616–17; published June 4, 1946. Class 14.

Le Sonier, Inc., Boston, Mass. Toilet soaps and shaving soaps. 428,973; Apr. 15; Serial No. 479,883; published Jan. 14, 1947. Class 4.

Levey, Fred'k H., Co., Inc., New York, N. Y. Printing inks. 429,038; Apr. 15; Serial No. 500,010; published Jan. 21, 1947. Class 11.

Loudonville Milling Company, The, Loudonville, Ohio. Wheat flour. 223,966; renewed Feb. 15, 1947. O. G. Apr. 15. Class 46.

Lukaiser, Harry R., New York, N. Y. Hats for men and women. 429,090; Apr. 15. Class 39.

M and M Wood Working Company, Portland, Oreg. Doors. 217,639–40; renewed Sept. 7, 1946. O. G. Apr. 15. Class 12.

M and M Wood Working Company, Portland, Oreg. Doors. 217,739–43; renewed Sept. 7, 1946. O. G. Apr. 15. Class 12.

Mac Bar Sportswear Co., New York, N. Y. Men's, boys', and youths' bath robes and lounging robes, sport shirts, etc. 428,976; Apr. 15; Serial No. 482,883; published Jan. 14, 1947. Class 39.

Marquette Paper Co., Chicago, Ill. Bond paper, index paper, ledger paper, and book paper. 224,606; renewed Mar. 1, 1947. O. G. Apr. 15. Class 37.

Marshal, Joseph P., Twin Falls, Idaho. Potatoes in their natural state. 223,153; renewed Jan. 18, 1947. O. G. Apr. 15. Class 46.

Maryland Container Company, The, Baltimore, Md. Corrugated fibreboard shipping boxes, cartons, and cases. 429,060; Apr. 15; Serial No. 503,582; published Feb. 4, 1947. Class 2.

McKay Company, The, Pittsburgh, Pa. Welding electrodes of the rod or wire type. 429,035; Apr. 15; Serial No. 499,423; published Dec. 31, 1946. Class 14.

McKelvy, Alfred D., New York, N. Y. Liquid soap, toilet soap, and bath soap. 429,025; Apr. 15; Serial No. 498,430; published Jan. 7, 1947. Class 4.

McMillan, P. D., doing business as South Hollandale Marketing Association, Hollandale, Minn. Fresh vegetables. 224,918; renewed Mar. 8, 1947. O. G. Apr. 15. Class 46.

Meadtex Fabrics Co., New York, N. Y. Ladies', misses', and girls' dresses, aprons, slips, etc. 429,005; Apr. 15; Serial No. 492,726; published Feb. 4, 1947. Class 39.

Metal Industry Publishing Company, Inc., New York, N. Y. Monthly journal. 58,652; re-renewed Dec. 18, 1946. O. G. Apr. 15. Class 38.

Meyers, Claire, doing business as Calatina Citrus Co., Anaheim, Calif. Bottled lemon juice for use as a seasoning or flavoring for food purposes. 429,074; Apr. 15. Class 46.

Michaelian & Kohlberg, Inc., New York, N. Y. Coasters, glass holders, and trays. 429,010; Apr. 15; Serial No. 493,272; published Feb. 4, 1947. Class 2.

Miles, Dora, Company, The, New Haven, Conn. Corsets, brassières, and foundation garments. 429,109; Apr. 15. Class 39.

Minchenberg, Alfred S., New York, N. Y. Ladies', misses', junior misses', and girls' dresses, blouses, slacks, etc. 429,039–40; Apr. 15; Serial Nos. 500,111–12; published Feb. 4, 1947. Class 39.

Monarch Shoe Co., Inc., Chicago, Ill. Shoes. 428,985; Apr. 15; Serial No. 486,798; published Feb. 4, 1947. Class 39.

Monmouth Laboratories Inc., Newark, N. J. Electrical cooking equipment. 429,022; Apr. 15; Serial No 497,261; published Jan. 28, 1947. Class 21.

Monmouth Products Co., Inc., Jersey City, N. J. Frozen foods. 429,095; Apr. 15. Class 46.

Monmouth Products Co., Inc., Jersey City, N. J. Coffee. 429,096; Apr. 15. Class 46.

Monte Ball Products, Chicago, Ill. Game of the type having a handle portion and paddle. 429,007; Apr. 15; Serial No. 492,782; published Feb. 4, 1947. Class 22.

Moore, Benjamin, & Co., Jersey City, N. J., and New York, N. Y., to Benjamin Moore & Co., Flemington, N. J., and New York, N. Y. Flat oil paints. 223,660; renewed Feb. 8, 1947. O. G. Apr. 15. Class 16.

Moore, Benjamin, & Co., Jersey City, N. J., and New York, N. Y., to Benjamin Moore & Co., Flemington, N. J., and New York, N. Y. Lacquers, paint enamels, and varnish enamels. 223,984; renewed Feb. 15, 1947. O. G. Apr. 15. Class 16.

Motor Manors: *See—*
Rossman, William.

National Growers & Shippers, Los Angeles, Calif. Fresh vegetables. 429,103; Apr. 15. Class 46.

Neff, Grace V., Chicago, Ill. Toilet soaps. 429,014; Apr. 15; Serial No. 495,684; published Jan. 21, 1947. Class 4.

Negri, Teresina M., to T. M. Espirac, Paris, France. Breast supporters, collars, belts, etc. 209,349; renewed Feb. 23, 1946. O. G. Apr. 15. Class 39.

Nemanick, R. A., Watsonville, Calif. Fresh vegetables. 429,088; Apr. 15. Class 46.

Neveroil Bearing Company, Wakefield, Mass. Bearings. 224,507; renewed Mar. 1, 1947. O. G. Apr. 15. Class 23.

New York Rubber Corporation: *See—*
Airubber Corporation.

Olian Brothers Company, Dallas, Tex. One-piece work suits and coveralls, men's and children's jeans and play suits. 429,037; Apr. 15; Serial No. 499,912; published Jan. 14, 1947. Class 39.

Oliver Bros., Atlantic City, N. J. Athletic shoes. 429,050; Apr. 15; Serial No. 501,526; published Feb. 4, 1947. Class 39.

Onthank, G. W., Company, Des Moines, Iowa. Preparation for polishing, cleaning, and waxing furniture. 429,105; Apr. 15. Class 16.

Parks Associates: *See—*
Parks, Lenard R.

Parks, Lenard R., doing business under the name of Parks Associated, Glendale, Calif. Household cleaning preparation. 429,110; Apr. 15. Class 4.

Pasternak, Ben, doing business as The Cake Box Bakers, Kansas City, Mo. Cakes, pies, cup cakes, etc. 429,119; Apr. 15. Class 46.

Pastival, Inc.: *See—*
Societe Anonyme Etablissements Pastival.

Phillips Petroleum Company, Bartlesville, Okla. Radio sets. 429,063; Apr. 15; Serial No. 504,066; published Jan. 28, 1947. Class 21.

Pioneer Suspender Company, Philadelphia, Pa. Wrist watch straps and buckles. 429,032; Apr. 15; Serial No. 499,274; published Dec. 17, 1946. Class 40.

Plastic Products: *See—*
Unterbrink, Victor.

Pollak, Henry, Inc., New York, N. Y. Felt and straw hat bodies. 429,111; Apr. 15. Class 39.

Pomeroy Company, Inc., New York, N. Y. Elastic stockings. 47,297; re-renewed Oct. 31, 1945. O. G. Apr. 15. Class 44.

Pond's Extract Company: *See—*
Yuill, Anna-Jean.

Poughkeepsie Leather Coat Company, Inc., Poughkeepsie, N. Y. Men's and women's leather and cloth sports jackets, flying jackets, and surcoats, etc. 428,995; Apr. 15; Serial No. 490,211; published June 18, 1946. Class 39.

Products Center Inc., New York, N. Y. Dental amalgam. 429,015; Apr. 15; Serial No. 495,823; published Feb. 4, 1947. Class 44.

Progressive Musical Instrument Corporation, New York, N. Y. Reeds for saxophones and clarionets. 217,879; renewed Sept. 14, 1946. O. G. Apr. 15. Class 36.

Progressive Musical Instrument Corporation, New York, N. Y., Portable phonographs. 217,908; renewed Sept. 14, 1946. O. G. Apr. 15. Class 36.

Progressive Musical Instrument Corporation, New York, N. Y. Band instruments. 218,565; renewed Sept. 28, 1946. O. G. Apr. 15. Class 36.

Progressive Musical Instrument Corporation, New York, N. Y. Radio receiving sets, loud speakers, loud speaker units. 218,930; renewed Oct. 5, 1946. O. G. Apr. 15. Class 21.

Progressive Musical Instrument Corporation, New York, N. Y. Saxophones, cornets, trumpets, etc. 220,474; renewed Nov. 9, 1946. O. G. Apr. 15. Class 36.

Progressive Musical Instrument Corporation, New York, N. Y. Violin gut strings. 220,751; renewed Nov. 16, 1946. O. G. Apr. 15. Class 36.

Progressive Musical Instrument Corporation, New York, N. Y. Accordions, blow accordions, mouth harmonicas, etc. 221,787; renewed Dec. 14, 1946. O. G. Apr. 15. Class 36.

Progressive Musical Instrument Corporation, New York, N. Y. Phonograph and sound boxes. 222,971; renewed Jan. 11, 1947. O. G. Apr. 15. Class 36.

Protected Metal Company, Canton, Mass., to H. H. Robertson Company, Pittsburgh, Pa. Metal sheets covered with asbestos. 57,415; re-renewed Nov. 13, 1946. O. G. Apr. 15. Class 12.

Protected Metal Company, Canton, Mass., to H. H. Robertson Company, Pittsburgh, Pa. Metal sheets covered with asbestos. 57,472; re-renewed Nov. 13, 1946. O. G. Apr. 15. Class 12.

Purdy, A. R., Company, Inc., New York, N. Y., to A. R. Purdy Company, Inc., Lyndhurst, N. J. Annealed cutter blanks, alloy steels, tool and drill steels, etc. 222,027; renewed Dec. 21, 1946. O. G. Apr. 15. Class 14.

Pyro Plastics Company, The, Westfield, N. J. Toy holster sets. 428,997; Apr. 15; Serial No. 491,284; published Feb. 4, 1947. Class 22.

Quackenbush Company: *See—*
Allied Stores Corporation.

Quaker Chemical Products Corporation, Conshohocken, Pa. Detergents for all general washing purposes. 429,023; Apr. 15; Serial No. 497,268; published Jan. 7, 1947. Class 4.

Redlands Cooperative Fruit Association: *See—*
Redlands Co-Operative Fruit Association.

Redlands Co-Operative Fruit Association, Redlands, Calif. Fresh citrous fruits. 221,982; renewed Dec. 21, 1946. O. G. Apr. 15. Class 46.

Redlands Co-Operative Fruit Association, to Redlands Co-operative Fruit Association, Redlands, Calif. Fresh citrous fruits. 222,033; renewed Dec. 21, 1946. O. G. Apr. 15. Class 46.

Redlands Co-Operative Fruit Association, to Redlands Co-Operative Fruit Association, Redlands, Calif. Fresh citrous fruits. 224,081; renewed Mar. 8, 1947. O. G. Apr. 15. Class 46.

Rhodes, James H., & Company, Chicago, Ill. Steel wool, pumice, and other polishing stones. 428,975; Apr. 15; Serial No. 480,961; published Jan. 7, 1947. Class 4.
Rice Brothers, Chicago, Ill. Abrasive polishing and deburring pad. 428,981; Apr. 15; Serial No. 485,369; published Jan. 28, 1947. Class 4.
Robertson, H. H., Company: *See*—
  Protected Metal Company.
Romar Chemical Company, Philadelphia, Pa. Preparation for cleaning white metal. 429,019; Apr. 15; Serial No. 496,665; published Jan. 28, 1947. Class 4.
Ros-A-Lou Brassiere Company, Janesville, Wis. Brassières. 429,042; Apr. 15; Serial No. 500,185; published Jan. 14, 1947. Class 39.
Rossman, William, doing business as Motor Manors, Pecos, Tex. Soap. 429,021; Apr. 15; Serial No. 496,987; published Jan. 21, 1947. Class 4.
Rubine, S. A., Habana, Cuba. Cocoa confections. 429,071; Apr. 15. Class 46.
Rygene Products, Inc., New York, N. Y. Liquid preparation to be applied to a surface to prevent slipping. 429,003; Apr. 15; Serial No. 492,399; published Jan. 7, 1947. Class 4.
Sachs, Jean, doing business as Jean Tobach, Paterson, N. J. Corsets, underwear, and hosiery. 429,112; Apr. 15. Class 39.
Sagner's, A., Son, Frederick, Md. Men's and women's coats, men's trousers, dress and work shirts, and neckties. 428,966; Apr. 15; Serial No. 467,111; published Feb. 4, 1947. Class 39.
Santaella, A., & Co. Inc., Tampa, Fla., and New York, N. Y. Cigars. 217,869–70; renewed Sept. 14, 1946. O. G. Apr. 15. Class 17.
Santaella, A., & Co. Inc., Tampa, Fla., and New York, N. Y. Cigars. 217,901–3; renewed Sept. 14, 1946. O. G. Apr. 15. Class 17.
Santaella, A., & Co. Inc., Tampa, Fla., and New York, N. Y. Cigars. 218,047; renewed Sept. 21, 1946. O. G. Apr. 15. Class 17.
Sav-Way Industries, assignor to Sav-Way Industries Incorporated, Detroit, Mich. Mechanically grooved phonograph records. 429,079; Apr. 15. Class 36.
Sav-Way Industries Incorporated: *See*—
  Sav-Way Industries.
Schlitz, Thomas R., Hillside, N. J. Game played with a stick and a ball. 429,062; Apr. 15; Serial No. 503,945; published Feb. 4, 1947. Class 22.
Schmidt, Oliver F., doing business as Great Lakes Shoe Company, Oconto, Wis. Infants' and children's shoes. 428,978; Apr. 15; Serial No. 484,430; published Feb. 4, 1947. Class 39.
Selectronic Dispersions, Inc., Montclair, N. J. Plastic compounds, alloys, and dispersions. 429,055; Apr. 15; Serial No. 502,536; published Feb. 4, 1947. Class 1.
Shellmar Products Company, assignor to Shellmar Products Corporation, Mount Vernon, Ohio. Laminated wrapping material. 428,964; Apr. 15; Serial No. 466,591; published July 31, 1945. Class 37.
Shellmar Products Company, assignor to Shellmar Products Corporation, Mount Vernon, Ohio. Color printed transparent cellulose sheeting and wrappers. 428,965; Apr. 15; Serial No. 466,593; published July 31, 1945. Class 37.
Shellmar Products Corporation, assignee: *See*—
  Shellmar Products Company.
Snapmount Photos, Inc., Denver, Colo. Photograph albums and album insert pages. 429,114; Apr. 15. Class 37.
Societe Anonyme Etablissements Pastival, Paris, France, to Pastival, Inc., New York, N. Y. Throat pastils and pastils for affections of the throat and respiratory passages. 218,101; renewed Sept. 21, 1946. O. G. Apr. 15. Class 6.
Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Oil compositions. 429,041; Apr. 15; Serial No. 500,140; published Jan. 21, 1947. Class 4.
South Hollandale Marketing Association: *See*—
  McMillan, P. D.
Spere, Dan, doing business as Clover Sportswear Company, New York, N. Y. Women's and girls' tennis dresses, bathing suits, playsuits, etc. 429,077; Apr. 15. Class 39.
Stadtman, Henry, New York, N. Y. Simulated pearls. 429,048; Apr. 15; Serial No. 501,483; published Jan. 21, 1947. Class 28.
Standard Gypsum Company, The, San Francisco, to Standard Gypsum Company of California, Oakland, Calif. Agricultural gypsum. 218,086; renewed Sept. 21, 1946. O. G. Apr. 15. Class 10.
Standard Gypsum Company of California: *See*—
  Standard Gypsum Company, The.
Steckler, Ed., Inc., New York, N. Y. Men's hats, outer shirts, neckties, mufflers, etc. 429,084; Apr. 15. Class 39.
Sterling Manufacturing Company, The, Torrington, Conn., and elsewhere. Fishing reels, fishing rods, and fishing rod holders. 429,054; Apr. 15; Serial No. 502,468; published Feb. 4, 1947. Class 22.
Stetson, John B., Company, Philadelphia, Pa. Hats and caps. 429,052; Apr. 15; Serial No. 501,786; published Jan. 14, 1947. Class 39.
Syracuse Ornamental Co., Syracuse, N. Y. Radio knobs, bezels, and escutcheons. 428,977; Apr. 15; Serial No. 483,247; published Jan. 28, 1947. Class 21.
Tarshes, Milton, & Co., New York, N. Y. Suspenders, garters, garment belts, etc. 428,980; Apr. 15; Serial No. 485,250; published Feb. 4, 1947. Class 39.
Tehel Bottling Company: *See*—
  Tehel, Wm.
Tehel, Wm., doing business as Wm. Tehel Bottling Co., to Wm. Tehel Bottling Company, Cedar Rapids, Iowa. Carbonated, nonalcoholic, noncereal, maltless beverages. 223,298; renewed Feb. 1, 1947. O. G. Apr. 15. Class 45.
Tehel, Wm., Bottling Co.: *See*—
  Tehel, Wm.
Thompson Electric Co., The, Cleveland, Ohio. Lowering electrical lamp hangers. 429,051; Apr. 15; Serial No. 501,611; published Jan. 21, 1947. Class 21.
Tissue Products Co., The, New York, N. Y. Facial tissue. 429,053; Apr. 15; Serial No. 501,939; published Feb. 4, 1947. Class 37.
Tobacco Rehandling Co. Ltd., The, Louisville, Ky. Leaf tobacco. 428,991; Apr. 15; Serial No. 489,157; published Jan. 28, 1947. Class 17.
Tobach, Jean: *See*—
  Sachs, Jean.
Tolfree, Edward R., doing business as "X" Laboratories, to "X" Laboratories, Inc., New York, N. Y. Composition for internally stopping leaks in radiators, boilers, etc. 223,437; renewed Feb. 1, 1947. O. G. Apr. 15. Class 6.
Trimedge, Inc., Youngstown, Ohio. Metallic and plastic mouldings. 429,085; Apr. 15. Class 12.
Truhu Fabrics Corporation: *See*—
  Jersey Silk Mills, Inc.
Tudor Chemical Specialties, Inc., New York, N. Y. Hand cleaning composition. 429,018; Apr. 15; Serial No. 496,175; published Jan. 28, 1947. Class 4.
Tweedie Footwear Corporation, Jefferson City, Mo. Women's, misses', and children's shoes. 428,974; Apr. 15; Serial No. 480,002; published Jan. 28, 1947. Class 39.
Twin City Seed Company, Minneapolis, Minn. Field seeds. 429,044; Apr. 15; Serial No. 500,428; published Feb. 4, 1947. Class 1.
United States Envelope Company, doing business under name and style of P. P. Kellogg & Co. (one of its divisions), Springfield, Mass. Correspondence paper and envelopes. 429,093; Apr. 15. Class 37.
United States Rubber Company, New York, N. Y. Thermosetting synthetic resins. 429,017; Apr. 15; Serial No. 496,053; published Feb. 4, 1947. Class 1.
Unterbrink, Victor, doing business as Plastic Products, Ottawa, Ohio. Liquid plastic coating. 428,972; Apr. 15; Serial No. 478,938; published July 24, 1945. Class 16.
Visicraft Mfg. Co. Inc., New York, N. Y. Tobacco pouches. 429,094; Apr. 15. Class 8.
Wagner, Constantin, doing business as Wagner Glass Works, New York, N. Y. Graduated testing-bottles, graduated flasks, and graduated laboratory-glassware. 60,206; re-renewed Jan. 29, 1947. O. G. Apr. 15. Class 26.
Wagner Glass Works: *See*—
  Wagner, Constantin.
Wanamaker, John, Philadelphia, Philadelphia, Pa. Canes, parasols, and umbrellas. 223,589; renewed Feb. 8, 1947. O. G. Apr. 15. Class 41.
Wanamaker, John, Philadelphia, Philadelphia, Pa. Men's neckties, pyjamas, hosiery, etc. 224,220; renewed Feb. 22, 1947. O. G. Apr. 15. Class 39.
Ward, G. E., and Company: *See*—
  Ward, George E.
Ward, George E., doing business as G. E. Ward and Company, London, England. Women's gowns, coats, blouses, etc. 429,083; Apr. 15. Class 39.
Wessbecher, C. T.: *See*—
  Wessbecher, Carl T.
Wessbecher, Carl T., doing business as C. T. Wessbecher & Co., St. Louis, Mo. Albums for mint stamps. 429,117; Apr. 15. Class 37.
Western Insulated Wire Inc., Los Angeles, Calif. Electrical wires and cables. 428,970; Apr. 15; Serial No. 473,684; published Jan. 21, 1947. Class 21.
Whirlfoam Upholstery and Rug Cleaner Co., Detroit, Mich. Upholstery and rug cleaner. 429,030; Apr. 15; Serial No. 499,093; published Jan. 28, 1947. Class 4.
Whitelawn Dairies Inc., Brooklyn, N. Y. French ice cream. 429,087; Apr. 15. Class 46.
Witco Chemical Company, Chicago, Ill. Carbon black dispersed or suspended in water. 429,016; Apr. 15; Serial No. 495,849; published Feb. 4, 1947. Class 1.
Wolff, Christiaan, San Francisco, Calif. Building blocks. 429,072; Apr. 15. Class 12.
World's Messenger Publishing Company, The: *See*—
  Blackwell, H. J.
Wyandotte Chemicals Corporation: *See*—
  Ford, J. B., Company, The.
"X" Laboratories: *See*—
  Tolfree, Edward R.
"X" Laboratories, Inc.: *See*—
  Tolfree, Edward R.
Yuill, Anna-Jean, assignor to Pond's Extract Company, New York, N. Y. Tampons. 429,033; Apr. 15; Serial No. 499,304; published Aug. 13, 1946. Class 44.
Zion Industries, Inc., Zion, Ill. Fig bars. 429,107; Apr. 15. Class 46.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Carbon black. Jefferson Lake Sulphur Company Inc. 429,050; Apr. 15; Serial No. 502,899; published Feb. 4, 1947.
Carbon black dispersed or suspended in water. Witco Chemical Company. 429,016; Apr. 15; Serial No. 495,849; published Feb. 4, 1947.
Leather pulley-coverings, leather lug-straps, leather aprons, etc. E. F. Houghton & Co. 60,923; re-renewed Feb. 26, 1947. O. G. Apr. 15.
Plastic compounds, alloys, and dispersions. Selectronic Dispersions, Inc. 429,055; Apr. 15; Serial No. 502,536; published Feb. 4, 1947.
Powder preparation, Soy bean. Central Soya Company, Inc. 428,971; Apr. 15; Serial No. 475,358; published Feb. 4, 1947.
Resins, Thermosetting synthetic. United States Rubber Company. 429,017; Apr. 15; Serial No. 496,053; published Feb. 4, 1947.
Seeds, Field. Twin City Seed Company. 429,044; Apr. 15; Serial No. 500,428; published Feb. 4, 1947.
Seeds, Flower and vegetable. Fredonia Seed Co., Inc. 223,368; renewed Feb. 1, 1947. O. G. Apr. 15.

CLASS 2

Boxes, cartons and cases, Corrugated fibreboard shipping. Maryland Container Company. 429,060; Apr. 15; Serial No. 503,582; published Feb. 4, 1947.
Coasters, glass holders and trays. Michaelian & Kohlberg, Inc. 429,010; Apr. 15; Serial No. 493,272; published Feb. 4, 1947.

CLASS 4

Abrasive. Engis Equipment Company. 429,024; Apr. 15; Serial No. 497,924; published Jan. 28, 1947.
Abrasive polishing and deburring pad. Rice brothers. 428,981; Apr. 15; Serial No. 485,369; published Jan. 28, 1947.
Cleaner, Stove. M. J. Conroy. 429,078; Apr. 15.
Cleaner, Upholstery and rug. Whirlfoam Upholstery and Rug Cleaner Co. 429,030; Apr. 15; Serial No. 499,093; published Jan. 28, 1947.
Cleaning and conditioning compound. American Chemical Paint Company. 429,036; Apr. 15; Serial No. 499,884; published Jan. 14, 1947.
Cleaning composition, Hand. Tudor Chemical Specialties, Inc. 429,018; Apr. 15; Serial No. 496,175; published Jan. 28, 1947.
Cleaning preparation, Household. L. R. Parks. 429,110; Apr. 15.
Detergent compositions, Powdered. P. W. Garbo. 429,006; Apr. 15; Serial No. 492,770; published Jan. 14, 1947.
Detergents for all general washing purposes. Quaker Chemical Products Corporation. 429,023; Apr. 15; Serial No. 497,268; published Jan. 7, 1947.
Dressings, Belt. W. J. Du Pont. 429,029; Apr. 15; Serial No. 498,889; published Jan. 21, 1947.
Oil compositions. Socony-Vacuum Oil Company, Incorporated. 429,041; Apr. 15; Serial No. 500,140; published Jan. 21, 1947.
Polisher and preserver preparation, Needle. H. C. Harding, Inc. 429,034; Apr. 15; Serial No. 499,331; published Jan. 28, 1947.
Preparation for cleaning white metal. Romar Chemical Company. 429,019; Apr. 15; Serial No. 496,665; published Jan. 28, 1947.
Preparation to be applied to a surface to prevent slipping, Liquid. Rygene Products, Inc. 429,003; Apr. 15; Serial No. 492,399; published Jan. 7, 1947.
Soap. W. Rossman. 429,021; Apr. 15; Serial No. 496,987; published Jan. 21, 1947.
Soap, toilet soap and bath soap, Liquid. A. D. McKelvy. 429,025; Apr. 15; Serial No. 498,430; published Jan. 7, 1947.
Soaps, and shaving soaps, Toilet. Le Sonier, Inc. 428,973; Apr. 15; Serial No. 479,883; published Jan. 14, 1947.
Soaps in solid, liquid and flake form. Associated Products, Inc. 429,026; Apr. 15; Serial No. 498,481; published Jan. 7, 1947.
Soaps, Toilet. G. V. Neff. 429,014; Apr. 15; Serial No. 495,684; published Jan. 21, 1947.
Steel wool, pumice, and other polishing stones. James H. Rhodes & Company. 428,975; Apr. 15; Serial No. 480,961; published Jan. 7, 1947.

CLASS 6

Composition for internally stopping leaks in radiators, boilers, etc. E. R. Tolfree. 223,437; renewed Feb. 1, 1947. O. G. Apr. 15.
Composition for treating garbage and garbage containers. J. T. Fetherston. 221,021; renewed Nov. 23, 1946. O. G. Apr. 15.
Composition for treating garbage and garbage containers. J. T. Fetherston. 222,270; renewed Dec. 28, 1946. O. G. Apr. 15.
Pastils and pastils for affections of the throat and respiratory passages, Throat. Societe Anonyme Etablissements Pastival. 218,101; renewed Sept. 21, 1946. O. G. Apr. 15.
Soda ash, Modified. J. B. Ford Company. 219,466; renewed Oct. 19, 1946. O. G. Apr. 15.
Tablets, Poultry. Dr. Falk Stock Remedy Co. 213,739; renewed June 1, 1946. O. G. Apr. 15.

CLASS 8

Tobacco pouches. Visicraft Mfg. Co. Inc. 429,094; Apr. 15.
Trays and cigarette holders, Ash. Concord Products Corporation. 428,999; Apr. 15; Serial No. 491,630; published Jan. 28, 1947.

CLASS 10

Gypsum, Agricultural. Standard Gypsum Company. 218,086; renewed Sept. 21, 1946. O. G. Apr. 15.

CLASS 11

Inks, Printing. Fred'k H. Levey Co. Inc. 429,038; Apr. 15; Serial No. 500,010; published Jan. 21, 1947.

CLASS 12

Building blocks. C. Wolff. 429,072; Apr. 15.
Doors. M and M Wood Working Company. 217,639–40; renewed Sept. 7, 1946. O. G. Apr. 15.
Doors. M and M Wood Working Company. 217,739–43; renewed Sept. 7, 1946. O. G. Apr. 15.
Mouldings, Metallic and plastic. Trimedge, Inc. 429,085; Apr. 15.
Sheathing, packing, or filling, Builders'. Samuel Cabot, Inc. 224,937; renewed Mar. 8, 1947. O. G. Apr. 15.
Sheets covered with asbestos, Metal. Protected Metal Company. 57,415; re-renewed Nov. 13, 1946. O. G. Apr. 15.
Sheets covered with asbestos, Metal. Protected Metal Company. 57,472; re-renewed Nov. 13, 1946. O. G. Apr. 15.

CLASS 14

Cutter blanks, alloy steels, tool and drill steels, etc., Annealed. A. R. Purdy Company, Inc. 222,027; renewed Dec. 21, 1946. O. G. Apr. 15.
Electrodes of the rod or wire type, Welding. McKay Company. 429,035; Apr. 15; Serial No. 499,423; published Dec. 31, 1946.
Metal compositions or alloy, Steel and sintered or cast hard. Latrobe Electric Steel Company. 428,968–9; Apr. 15; Serial Nos. 470,616–7; published June 4, 1946.
Nickel-containing hot rolled wire rods. International Nickel Company, Inc. 429,027; Apr. 15; Serial No. 498,633; published Jan. 7, 1947.
Steel. Associated Spring Corporation. 429,031; Apr. 15; Serial No. 499,101; published Jan. 28, 1947.
Steel used for die blocks, sow blocks and forged parts. A. Finkl & Sons Company. 429,012; Apr. 15; Serial No. 494,486; published Jan. 7, 1947.

CLASS 16

Coating, Liquid plastic. V. Unterbrink. 428,972; Apr. 15; Serial No. 478,938; published July 24, 1945.
Lacquers, paint enamels, and varnish enamels. Benjamin Moore & Co. 223,984; renewed Feb. 15, 1947. O. G. Apr. 15.
Paint, Synthetic rubber base. C. M. Christie. 428,992; Apr. 15; Serial No. 489,563; published Aug. 13, 1946.
Paints, Flat oil. Benjamin Moore & Co. 223,660; renewed Feb. 8, 1947. O. G. Apr. 15.
Paints, paint enamels, japans, etc. H. B. Davis Company. 429,104; Apr. 15.
Preparation for polishing, cleaning and waxing furniture. G. W. Onthank. 429,105; Apr. 15.

CLASS 17

Cigars. A. Santaella & Co. Inc. 217,869–70; renewed Sept. 14, 1946. O. G. Apr. 15.
Cigars. A. Santaella & Co. Inc. 217,901–3; renewed Sept. 14, 1946. O. G. Apr. 15.
Cigars. A. Santaella & Co. Inc. 218,047; renewed Sept. 21, 1946. O. G. Apr. 15.
Tobacco, Leaf. Tobacco Rehandling Co. Ltd. 428,991; Apr. 15; Serial No. 489,157; published Jan. 28, 1947.

CLASS 21

Electrical apparatus; and parts of such apparatus. Aireon Manufacturing Corporation. 428,994; Apr. 15; Serial No. 490,047; published Dec. 17, 1946.
Electrical cooking equipment. Monmouth Laboratories Inc. 429,022; Apr. 15; Serial No. 497,261; published Jan. 28, 1947.

Electrical equipment. International Brotherhood of Electrical Workers. 428,998; Apr. 15; Serial No. 491,322; published Jan. 28, 1947.

Electrical lamp hangers, Lowering. Thompson Electric Co. 429,051; Apr. 15; Serial No. 501,611; published Jan. 21, 1947.

Electrical lug connectors. Dossert Manufacturing Corp. 429,061; Apr. 15; Serial No. 503,887; published Jan. 28, 1947.

Lamps, Incandescent. Duro-Test Corporation. 428,979; Apr. 15; Serial No. 485,205; published Jan. 21, 1947.

Motors and generators, Electrical. Hansen Manufacturing Company, Inc. 428,987; Apr. 15; Serial No. 487,728; published Jan. 14, 1947.

Motors, Electrical. Brown-Brockmeyer Company. 429,008; Apr. 15; Serial No. 493,038; published Jan. 14, 1947.

Radio knobs, bezels and escutcheons. Syracuse Ornamental Co. 428,977; Apr. 15; Serial No. 483,247; published Jan. 28, 1947.

Radio receiving and transmitting communication apparatuses, Mobile and fixed. Aireon Manufacturing Corporation. 428,989; Apr. 15; Serial No. 488,300; published Jan. 14, 1947.

Radio receiving sets, loud speakers, loud speaker units. Progressive Musical Instrument Corporation. 218,930; renewed Oct. 5, 1946. O. G. Apr. 15.

Radio sets. Phillips Petroleum Company. 429,063; Apr. 15; Serial No. 504,066; published Jan. 28, 1947.

Transformers. Gulow Corporation. 429,011; Apr. 15; Serial No. 493,954; published Jan. 28, 1947.

Vacuum cleaners, Electric. Flannigan Industries, Inc. 429,043; Apr. 15; Serial No. 500,382; published Jan. 21, 1947.

Wire, Electrical conducting. Essex Wire Corporation. 428,996; Apr. 15; Serial No. 490,641; published Jan. 14, 1947.

Wires and cables, Electrical. Western Insulated Wire Inc. 428,970; Apr. 15; Serial No. 473,684; published Jan. 21, 1947.

CLASS 22

Fishing reels, fishing rods, and fishing rod holders. Sterling Manufacturing Company. 429,054; Apr. 15; Serial No. 502,468; published Feb. 4, 1947.

Game apparatus comprising play-board dice and playing pieces. W. M. Childs. 428,982; Apr. 15; Serial No. 485,933; published Feb. 4, 1947.

Game of the type having a handle portion and paddle. Monte Ball Products. 429,007; Apr. 15; Serial No. 492,782; published Feb. 4, 1947.

Game played with a stick and a ball. T. R. Schlitz. 429,062; Apr. 15; Serial No. 503,945; published Feb. 4, 1947.

Toy holster sets. Pyro Plastics Company. 428,997; Apr. 15; Serial No. 491,284; published Feb. 4, 1947.

Toy vacuum cleaners. Halil Products Company. 429,067; Apr. 15; Serial No. 508,476; published Feb. 4, 1947.

Toys. Electronic Laboratories, Inc. 429,009; Apr. 15; Serial No. 493,109; published Feb. 4, 1947.

CLASS 23

Bearings. Neveroil Bearing Company. 224,507; renewed Mar. 1, 1947. O. G. Apr. 15.

Pulley-coverings, leather lug-straps, leather aprons, etc., Leather. E. F. Houghton & Co. 60,923; re-renewed Feb. 26, 1947. O. G. Apr. 15.

CLASS 25

Padlocks. Consolidated Cosmetics. 429,056; Apr. 15; Serial No. 502,738; published Jan. 21, 1947.

CLASS 26

Testing-bottles, graduated flasks, and graduated laboratory-glassware, Graduated. C. Wagner. 60,206; re-renewed Jan. 29, 1947. O. G. Apr. 15.

CLASS 27

Watches. Gothic Watch Co. Inc. 225,073; renewed Mar. 8, 1947. O. G. Apr. 15.

CLASS 28

Hollow-ware, Silver plated. S. Goldfeder. 429,004; Apr. 15; Serial No. 492,435; published Jan. 21, 1947.

Necklaces, bracelets, finger rings, etc. Coro, Inc. 428,993; Apr. 15; Serial No. 489,901; published Jan. 21, 1947.

Pearls, Simulated. H. Stadtman. 429,048; Apr. 15; Serial No. 501,483; published Jan. 21, 1947.

Rings, Diamond. Excel Diamond Co. 429,064; Apr. 15; Serial No. 504,167; published Jan. 21, 1947.

CLASS 32

Beds, bed springs, bed slats, etc. Haggard & Marcusson Company. 224,363–4; renewed Feb. 22, 1947. O. G. Apr. 15.

Cushions and mattresses. Airubber Corporation. 223,815; renewed Feb. 8, 1947. O. G. Apr. 15.

CLASS 34

Air-conditioning units, oil, gas and coal household hot-air, steam and hot water heating units, etc., House and room. Academy Award Products, Inc. 429,045; Apr. 15; Serial No. 500,448; published Feb. 4, 1947.

Apparatus consisting of an electrical transformer, an electrical control panel, etc. Fluid Systems, Incorporated. 429,116; Apr. 15.

Apparatus for separating cinders from gases. American Welding and Manufacturing Company. 429,065; Apr. 15; Serial No. 504,239; published Feb. 4, 1947.

Guards for floor furnace openings. Carson Machine & Supply Co. 429,066; Apr. 15; Serial No. 506,492; published Feb. 4, 1947.

Heaters, oil-stoves, gasolene or vapor stoves, etc., Gas. American Stove Company. 57,773; re-renewed Nov. 27, 1946. O. G. Apr. 15.

Lighters, Friction fluid-spark vapor pocket. Atomic Lighter Corporation. 428,986; Apr. 15; Serial No. 487,657; published Nov. 20, 1945.

Steam tables; steam condensers, for boilers, and fans, etc. Columbian Steel Tank Company. 429,073; Apr. 15.

Wicks for range oil burners and the like. I. C. Carro. 429,113; Apr. 15.

CLASS 36

Accordions, blow accordions, mouth harmonicas, etc. Progressive Musical Instrument Corporation. 221,787; renewed Dec. 14, 1946. O. G. Apr. 15.

Band instruments. Progressive Musical Instrument Corporation. 218,565; renewed Sept. 27, 1946. O. G. Apr. 15.

Phonograph and sound boxes. Progressive Musical Instrument Corporation. 222,971; renewed Jan. 11, 1947. O. G. Apr. 15.

Phonograph records, Mechanically grooved. Sav-Way Industries. 429,079; Apr. 15.

Phonographs, Portable. Progressive Musical Instrument Corporation. 217,908; renewed Sept. 14, 1946. O. G. Apr. 15.

Reeds for saxophones and clarionets. Progressive Musical Instrument Corporation. 217,879; renewed Sept. 14, 1946. O. G. Apr. 15.

Saxophones, cornets, trumpets, etc. Progressive Musical Instrument Corporation. 220,474; renewed Nov. 9, 1946. O. G. Apr. 15.

Violin gut strings. Progressive Musical Instrument Corporation. 220,751; renewed Nov. 16, 1946. O. G. Apr. 15.

CLASS 37

Albums and album insert pages, Photograph. Snapmount Photos, Inc. 429,114; Apr. 15.

Albums for mint stamps. C. T. Wessbecher. 429,117; Apr. 15.

Facial tissue. Tissue Products Co. 429,053; Apr. 15; Serial No. 501,939; published Feb. 4, 1947.

Paper. Badger Paper Mills, Inc. 429,106; Apr. 15.

Paper and envelopes, Correspondence. United States Envelope Company. 429,093; Apr. 15.

Paper, index paper, ledger paper and book paper, Bond. Marquette Paper Co. 224,606; renewed Mar. 1, 1947. O. G. Apr. 15.

Sheeting and wrappers, Color printed transparent cellulose. Shellmar Products Company. 428,965; Apr. 15; Serial No. 466,593; published July 31, 1945.

Wrapping material, Laminated. Shellmar Products Company. 428,964; Apr. 15; Serial No. 466,591; published July 31, 1945.

CLASS 38

Journal, Monthly. Metal Industry Publishing Company, Inc. 58,652; re-renewed Dec. 18, 1946. O. G. Apr. 15.

Magazine. H. J. Blackwell. 428,990; Apr. 15; Serial No. 488,566; published Jan. 14, 1947.

CLASS 39

Apparel, Boys', girls', and infants' wearing. Johnston Company. 429,028; Apr. 15; Serial No. 498,699; published Feb. 4, 1947.

Apparel, Infants', children's, boys', girls', misses', and women's. Hi-Line Co., Inc. 429,089; Apr. 15.

Brassières. Ros-A-Lou Brassiere Company. 429,042; Apr. 15; Serial No. 500,185; published Jan. 14, 1947.

Coats, men's trousers, dress and work shirts, and neckties, Men's and women's. A. Sagner's Son. 428,966; Apr. 15; Serial No. 467,111; published Feb. 4, 1947.

Corsets, brassières, and foundation garments. Dora Miles Company. 429,109; Apr. 15.

Corsets, underwear, and hosiery. J. Sachs. 429,112; Apr. 15.

Covers for men's hats, Waterproof. Empire Products. 429,098; Apr. 15.

Dresses, aprons, slips, etc., Ladies', misses', and girls'. Meadtex Fabrics Co. 429,005; Apr. 15; Serial No. 492,726; published Feb. 4, 1947.

Dresses, bathing suits, playsuits, etc., Women's' and girls' tennis. D. Spere. 429,077; Apr. 15.

Dresses, blouses, playsuits, etc., Ladies', misses', and girls'. Crest Fabrics Corp. 429,092; Apr. 15.

Dresses, blouses, slacks, etc., Ladies', misses', junior misses', and girls'. A. S. Minchenberg. 429,039–40; Apr. 15; Serial Nos. 500,111–12; published Feb. 4, 1947.

Dresses, Misses' and ladies'. Allied Stores Corporation. 429,097; Apr. 15.

Dresses, Women's, misses', and children's. Korach Brothers. 429,001–2; Apr. 15; Serial Nos. 492,385–6; published Feb. 4, 1947.

Footwear, specifically rubber-soled canvas footwear. B. F. Goodrich Company. 429,057; Apr. 15; Serial No. 502,747; published Feb. 4, 1947.

Garments, panties, corsets, etc., Foundation. California Foundations, Inc. 429,080; Apr. 15.

Garments, Quilted. E. Bauer. 428,967; Apr. 15; Serial No. 468,938; published Aug. 13, 1946.

Gloves and mittens and men's and boys' helmets, mackinaws, snow-suits, etc. Fried, Ostermann Co. 428,984; Apr. 15; Serial No. 486,763; published Mar. 5, 1946.

Gloves and mittens, hosiery, sweaters, etc. Alms & Doepke Co. 428,983; Apr. 15; Serial No. 486,238; published Jan. 21, 1947.

Gowns, coats, blouses, etc., Women's. G. E. Ward. 429,083; Apr. 15.

Hat bodies, Felt and straw. Henry Pollak, Inc. 429,111; Apr. 15.

Hats and caps. John B. Stetson Company. 429,052; Apr. 15; Serial No. 501,786; published Jan. 14, 1947.

Hats for men and women. H. R. Lukaiser. 429,090; Apr. 15.

Hats, Men's. Adam Hat Stores Inc. 429,046; Apr. 15; Serial No. 500,716; published Jan. 14, 1947.

Hats, Women's. Emporium World Millinery Co. 428,963; Apr. 15; Serial No. 458,650; published Apr. 20, 1943.

Hats, Women's. Engel & Fetzer Co. 429,102; Apr. 15.

Heels and soles, Rubber. Hanover Rubber Company. 429,013; Apr. 15; Serial No. 495,605; published Jan. 14, 1947.

Hosiery. Interwoven Stocking Company. 223,962; renewed Feb. 15, 1947. O. G. Apr. 15.

Hosiery. Interwoven Stocking Company. 223,969; renewed Feb. 15, 1947. O. G. Apr. 15.

Jackets, flying jackets, and surcoats, etc., Men's and women's leather and cloth sports. Poughkeepsie Leather Coat Company, Inc. 428,995; Apr. 15; Serial No. 490,211; published June 18, 1946.

Jackets, Men's. John Alexander of New Haven, Incorporated. 429,000; Apr. 15; Serial No. 492,170; published Jan. 14, 1947.

Moccasins, boys' chaps and leather vests. Forrest A. Heath Company, Inc. 429,049; Apr. 15; Serial No. 501,507; published Jan. 21, 1947.

Mufflers. Jersey Silk Mills, Inc. 223,717; renewed Feb. 8, 1947. O. G. Apr. 15.

Mufflers. Jersey Silk Mills, Inc. 224,040; renewed Feb. 15, 1947. O. G. Apr. 15.

Neckties and scarfs, Men's. France Neckwear Co., Inc. 428,988; Apr. 15; Serial No. 488,261; published Jan. 14, 1947.

Neckties, pyjamas, hosiery, etc., Men's. John Wanamaker Philadelphia. 224,220; renewed Feb. 22, 1947. O. G. Apr. 15.

Neckwear, Ladies'. Kadet Kruger & Co. 224,486; renewed Mar. 1, 1947. O. G. Apr. 15.

Pulley-coverings, leather lug-straps, leather aprons, etc., Leather. E. F. Houghton & Co. 60,923; re-renewed Feb. 26, 1947. O. G. Apr. 15.

Raincoats, robes, dressing gowns, etc. Van Baalen Heilbrun & Co. 429,118; Apr. 15.

Robes and lounging robes, sport shirts, etc., Men's, boys', and youths' bath. Mac Bar Sportswear Co. 428,976; Apr. 15; Serial No. 482,883; published Jan. 14, 1947.

Shirts, neckties, mufflers, etc., Men's. Ed. Steckler, Inc. 429,084; Apr. 15.

Shoes. Johnson, Stephens and Shinkle Shoe Company. 429,058; Apr. 15; Serial No. 502,755; published Feb. 4, 1947.

Shoes. Monarch Shoe Co., Inc. 428,985; Apr. 15; Serial No. 486,798; published Feb. 4, 1947.

Shoes, Athletic. Oliver Bros. 429,050; Apr. 15; Serial No. 501,526; published Feb. 4, 1947.

Shoes, Infants' and children's. O. F. Schmidt. 428,978; Apr. 15; Serial No. 484,430; published Feb. 4, 1947.

Shoes, Men's. Associated Merchandising Corporation. 429,101; Apr. 15.

Shoes of leather, rubber, fabric, etc., Men's. Commonwealth Shoe and Leather Company. 429,075; Apr. 15.

Shoes, Women's, misses', and children's. Tweedie Footwear Corporation. 428,974; Apr. 15; Serial No. 480,002; published Jan. 28, 1947.

Ski-pants, slacks, trousers, mackinaws, etc. Congress Shirt Company. 429,091; Apr. 15.

Skirts, Outer. E. Donath. 429,100; Apr. 15.

Soles and heels, Shoe. Danbury Rubber Company, Inc. 429,047; Apr. 15; Serial No. 501,238; published Jan. 14, 1947.

Suits and coveralls, men's and children's jeans and play suits, One-piece work. Olian Brothers Company. 429,037; Apr. 15; Serial No. 499,912; published Jan. 14, 1947.

Supporters, Collars, belts, etc., Breast. T. M. Negri. 209,349; renewed Feb. 23, 1946. O. G. Apr. 15.

Suspenders, garters, garment belts, etc. Milton Tarshes & Co. 428,980; Apr. 15; Serial No. 485,250; published Feb. 4, 1947.

CLASS 40

Wrist watch straps and buckles. Pioneer Suspender Company. 429,032; Apr. 15; Serial No. 499,274; published Dec. 17, 1946.

CLASS 41

Canes, parasols, and umbrellas. John Wanamaker Philadelphia. 223,589; renewed Feb. 8, 1947. O. G. Apr. 15.

CLASS 42

Table cloths and napkins, kitchen and guest towels, hand and bath towels, etc. J. J. Commons. 429,108; Apr. 15.

CLASS 44

Dental amalgam. Products Center Inc. 429,015; Apr. 15; Serial No. 495,823; published Feb. 4, 1947.

Dental plastic. Cosmos Dental Products, Inc. 429,069; Apr. 15; Serial No. 512,165; published Feb. 4, 1947.

Denture resurfacer. R. C. Eppstein. 429,020; Apr. 15; Serial No. 496,692; published Feb. 4, 1947.

Resin denture base material, Synthetic. Cosmos Dental Products, Inc. 429,068; Apr. 15; Serial No. 512,162; published Feb. 4, 1947.

Shoe inserts, Corrective. J. M. Hiss. 429,086; Apr. 15.

Stockings, Elastic. Pomeroy Company, Inc. 47,297; re-renewed Oct. 31, 1945. O. G. Apr. 15.

Tampons. A.-J. Yuill. 429,033; Apr. 15; Serial No. 499,304; published Aug. 13, 1946.

CLASS 45

Beverages, Carbonated, nonalcoholic, noncereal, maltless. Wm. Tehel. 223,298; renewed Feb. 1, 1947. O. G. Apr. 15.

Ginger ale and root beer. Atlas Brewing Company. 217,914; renewed Sept. 14, 1946. O. G. Apr. 15.

CLASS 46

Cakes, pies, cup cakes, etc. B. Pasternak. 429,119; Apr. 15.

Candy. E. J. Brach & Sons. 224,664; renewed Mar. 1, 1947. O. G. Apr. 15.

Candy. Cardinet Candy Company, (Inc.). 429,076; Apr. 15.

Canned fish, canned shellfish, canned fruits, etc. A. W. & H. H. Behrens. 224,896; renewed Mar. 8, 1947. O. G. Apr. 15.

Cheese. Fraleigh Hill Farms. 429,099; Apr. 15.

Cocoa confections. Rubine, S. A. 429,071; Apr. 15.

Coffee. Monmouth Products Co., Inc. 429,096; Apr. 15.

Fig bars. Zion Industries, Inc. 429,107; Apr. 15.

Fish, Salted and boneless. J. W. Beardsley's Sons. 29,087; re-renewed Nov. 3, 1946. O. G. Apr. 15.

Flour, Self-rising and patent wheat. Jonathan Hale & Sons. 218,656; renewed Sept. 28, 1946. O. G. Apr. 15.

Flour, Wheat. Canadian Mill & Elevator Co. 429,115; Apr. 15.

Foods, Frozen. Monmouth Products Co., Inc. 429,095; Apr. 15.

Fruits, Fresh citrous. Coachella Valley Grapefruit Association. 225,088; renewed Mar. 8, 1947. O. G. Apr. 15.

Fruits, Fresh citrous. Redlands Co-Operative Fruit Association. 221,982; renewed Dec. 21, 1946. O. G. Apr. 15.

Fruits, Fresh citrous. Redlands Co-Operative Fruit Association. 222,033; renewed Dec. 21, 1946. O. G. Apr. 15.

Fruits, Fresh citrous. Redlands Co-Operative Fruit Association. 224,981; renewed Mar. 8, 1947. O. G. Apr. 15.

Ice cream, French. Whitelawn Dairies Inc. 429,087; Apr. 15.

Lemon juice for use as a seasoning or flavoring for food purposes, Bottled. C. Meyers. 429,074; Apr. 15.

Potatoes in their natural state. J. P. Marshal. 223,153; renewed Jan. 18, 1947. O. G. Apr. 15.

Sauces. Food flavoring and seasoning. G. L. Barrett. 429,082; Apr. 15.

Syrup, Cane table. Hall Grain Company. 429,081; Apr. 15.

Vegetables, Fresh. P. D. McMillan. 224,918; renewed Mar. 8, 1947. O. G. Apr. 15.

Vegetables, Fresh. National Growers & Shippers. 429,103; Apr. 15.

Vegetables, Fresh. R. A. Nemanick. 429,088; Apr. 15.

Vitamin and mineral preparation. A. P. de Sanno, Jr. 429,070; Apr. 15.

Wheat flour. Loudonville Milling Company. 223,966; renewed Feb. 15, 1947. O. G. Apr. 15.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 15TH DAY OF APRIL, 1947

Note.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

- Babson, Henry B., Chicago, and C. A. Thomas, Crystal Lake, Ill., assignors, by mesne assignments, to Losee Products Co. Water heater. Re. 22,866; Apr. 15.
- Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Railway car truck. Re. 22,867; Apr. 15.
- Ditchfield, Frank, assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Car construction. Re. 22,868; Apr. 15.
- Huebner, William C., New York, N. Y. Process and apparatus for electronic printing. Re. 22,869; Apr. 15.
- Losee Products Co., assignee: *See*—
  - Babson, Henry B., and Thomas.
- Miner, W. H., Inc., assignee: *See*—
  - Dath, George E.
- Peple, Gustave A., Jr., Richmond, Va. Method and apparatus for air conditioning. Re. 22,870; Apr. 15.
- Starr, Allan M., Piedmont, assignor to Starr & Sweetland, San Francisco, Calif. Internal-combustion engine. Re. 22,871; Apr. 15.
- Starr & Sweetland, assignee: *See*—
  - Starr, Allan M.
- Thomas, Chester A.: *See*—
  - Babson, Henry B., and Thomas.
- Youngstown Steel Door Company, The, assignee: *See*—
  - Ditchfield, Frank.

LIST OF DESIGN PATENTEES

- Allied Plastics Company, assignee: *See*—
  - Crane, Walton B.
- Bell & Howell Company, assignee: *See*—
  - Reinecke, Jean O.
- Binford, Julien, Fine Creek Mills, Va. Textile fabric. 146,590; Apr. 15.
- Binford, Julien, Fine Creek Mills, Va. Textile fabric. 146,591; Apr. 15.
- Blume, Pauline, New York, N. Y. Combined holder for decanter and glasses. 146,592; Apr. 15.
- Brunetti, Joseph, Carlstadt, assignor to Plastic Art Toy Corporation of America, Rutherford, N. J. Teapot or similar article. 146,593; Apr. 15.
- Consolidated Molden Products Corporation, assignee: *See*—
  - Sanders, Louis.
- Crane, Walton B., Beverly Hills, assignor to Allied Plastics Company, Los Angeles, Calif. Compact. 146,594; Apr. 15.
- Crane, Walton B., Beverly Hills, assignor to Allied Plastics Company, Los Angeles, Calif. Compact. 146,595; Apr. 15.
- Davis, Gladys R., New York, N. Y. Textile fabric. 146,596; Apr. 15.
- Defiance Machine Works, Inc., assignee: *See*—
  - Little, John M.
- Dixon, George F., West Point, N. Y. Clothes hanger. 146,597; Apr. 15.
- Dixon, George F., West Point, N. Y. Clothes hanger. 146,598; Apr. 15.
- Federal Razor Blade Co., Inc., assignee: *See*—
  - Karstens, Herman W.
- Gluck, Joseph, New York, N. Y. Textile fabric. 146,599; Apr. 15.
- Gmeindl, Joseph, Milwaukee, Wis. Vase. 146,600; Apr. 15.
- Jaffe, Bernice, Chicago, Ill. Temple for spectacles. 146,601; Apr. 15.
- Jaffe, Bernice, Chicago, Ill. Temple for spectacles. 146,602; Apr. 15.
- Jaffe, Bernice, Chicago, Ill. Temple for spectacles. 146,603; Apr. 15.
- Karstens, Herman W., Westwood, assignor to Federal Razor Blade Co., Inc., Newark, N. J. Razor blade dispenser. 146,604; Apr. 15.
- Kingman, Dong, New York, N. Y. Textile fabric. 146,605; Apr. 15.
- Kingman, Dong, New York, N. Y. Textile fabric. 146,606; Apr. 15.
- Kingman, Dong, New York, N. Y. Textile fabric. 146,607; Apr. 15.
- Little, John M., Toledo, assignor to Defiance Machine Works, Inc., Defiance, Ohio. Drill press. 146,608; Apr. 15.
- Mangold, Aurel E., New York, N. Y. Spectacle frame. 146,609; Apr. 15.
- Mellick, Dorothy, North Plainfield, N. J. Child's toy chest. 146,610; Apr. 15.
- Mellick, Dorothy, North Plainfield, N. J. Child's combined toy chest and table. 146,611; Apr. 15.
- Mellick, Dorothy, North Plainfield, N. J. Child's desk. 146,612; Apr. 15.
- Naidish, Abraham, North Bergen, N. J. Sweater or similar article. 146,613; Apr. 15.
- Nylund, Otto A.: *See*—
  - Pelka, Adolph, and Nylund.
- Palmer, William C., Clinton, N. Y. Textile fabric. 146,615; Apr. 15.
- Peirce, Waldo, Pomona, N. Y. Textile fabric. 146,616; Apr. 15.
- Peirce, Walo, Pomona, N. Y. Textile fabric. 146,617; Apr. 15.
- Peirce, Waldo, Pomona, N. Y. Textile fabric. 146,618; Apr. 15.
- Pelka, Adolph, Los Angeles, and O. A. Nylund, Tujunga, Calif. Combination fish scaling and cutting tool. 146,614; Apr. 15.
- Plastic Art Toy Corporation of America, assignee: *See*—
  - Brunetti, Joseph.
- Precision Specialties, Inc., assignee: *See*—
  - Rabinowitch, Joseph.
- Rabinowitch, Joseph, assignor, by mesne assignments, to Precision Specialties, Inc., Los Angeles, Calif. Combination flashlight, cosmetic case, and cigarette case. 146,619; Apr. 15.
- Reinecke, Jean O., Oak Park, assignor to Bell & Howell Company, Chicago, Ill. Projection lamp housing. 146,620; Apr. 15.
- Rosenthal, Doris, Norwalk, Conn. Textile fabric. 146,621; Apr. 15.
- Rosenthal, Doris, Norwalk, Conn. Textile fabric. 146,622; Apr. 15.
- Sanders, Louise, Hoboken, N. J., assignor to Consolidated Molded Products Corporation, Scranton, Pa. Clothes hanger. 146,623; Apr. 15.
- Swartzmiller, Joseph J., Carnegie, Pa. Combination vanity and radio or similar article. 146,624; Apr. 15.
- Townsend, Robert L., Upper Darby, Pa. House. 146,625; Apr. 15.
- Turner, John L., Old Saybrook, Conn. Snow sled or the like. 146,626; Apr. 15.
- Tyler, Carol J., Hollywood, Calif. Lady's coat. 146,627; Apr. 15.
- Walker, Jane, New York, N. Y. Dress. 146,628; Apr. 15.
- Walker, Jane, New York, N. Y. Dress. 146,629; Apr. 15.
- Wilde, Hans W., North Bergen, N. J. Textile fabric. 146,630; Apr. 15.
- Wilde, Hans W., North Bergen, N. J. Textile fabric. 146,631; Apr. 15.
- Wilde, Hans W., North Bergen, N. J. Textile fabric. 146,632; Apr. 15.
- Wilde, Hans W., North Bergen, N. J. Textile fabric. 146,633; Apr. 15.
- Wilde, Hans W., North Bergen, N. J. Textile fabric. 146,634; Apr. 15.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 15TH DAY OF APRIL, 1947

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

- Ablett, Charles Antony, King's Lynn, England. Roller bearing. 2,418,859; Apr. 15.
- Abruzzi, Gail C. and M. T., Chicago, Ill. Drafting instrument. 2,418,860; Apr. 15.
- Abruzzi, Marie T.: *See*—
  - Abruzzi, Gail C. and M. T.
- Adams, Roy L., and L. Zickrick, Schenectady, N. Y., assignors to General Electric Company. Contact element. 2,418,811; Apr. 15.
- Adel Precision Products Corp., assignee: *See*—
  - Kehle, Ottmar A.
- Adlake Company, The, assignee: *See*—
  - Wendland, John A.
- Aero Metal Products Corporation, assignee: *See*—
  - Dodegge, Carl.
- Aerovox Corporation, assignee: *See*—
  - Burton, Harry H.
  - Coggins, George F., and Ahearn.
- Ahearn, John F., assignee: *See*—
  - Coggins, George F., and Ahearn.
- Air Reduction Company, Incorporated, assignee: *See*—
  - Hoover, Charles O.
- Albersheim, Walter J., Interlaken, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave transmission system. 2,418,809; Apr. 15.
- Alger, Philip L., Schenectady, N. Y., assignor to General Electric Company. Contact element. 2,418,810; Apr. 15.
- Allan, Frank A., assignee: *See*—
  - Allan, James E.
- Allan, James E., assignor to F. A. Allan, Detroit, Mich. Antiskid device. 2,419,105; Apr. 15.
- Allied Chemical & Dye Corporation, assignee: *See*—
  - Curtis, Gerard W.
- Allington, George H., Rockford, Ill., assignor, by mesne assignments, to United Aircraft Corporation, East Hartford, Conn. Engine shipping case. 2,418,861; Apr. 15.
- Alpert, Daniel, Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Metal supported glass window. 2,419,049; Apr. 15.
- Althouse, Harlan E., Belleville, N. J., assignor to L. Sonneborn Sons, Inc. Paint. 2,419,048; Apr. 15.
- Altshuler, Joe A.: *See*—
  - Stratford, Charles W., Altshuler, and Putney.
- Aluminum Company of America, assignee: *See*—
  - Shawcross, Roy.
- Aluminum Laboratories Limited, assignee: *See*—
  - Palmer, Roy D.
- Alvord, Charles C.: *See*—
  - Flygare, Carl G., and Alvord.
- Amelunxen, Johan F.: *See*—
  - Stout, Frederick S., and Amelunxen.
- American Box Board Company, assignee: *See*—
  - Anderson, Wilbur G., Jr.
- American Cyanamid Company, assignee: *See*—
  - Bernstein, Seymour, Baker, and Safir.
  - Clapp, Richard C., and Roblin.
  - Kaiser, Donald W., and Thurston.
  - Rogers, Dilworth T.
  - Thurston, Jack T., and Kaiser.
- American Foundry Equipment Company, The, assignee: *See*—
  - Hirsch, Charles.
- American Steel Foundries, assignee: *See*—
  - Milleville, Bertram J.
- Anderson, Albert E.: *See*—
  - Otto, Julian A., and Anderson.
- Anderson-Bolling Mfg. Co., assignee: *See*—
  - Duffy, Thomas I.
- Anderson, James S., Vancouver, British Columbia, Canada. Convertible ladder. 2,418,862; Apr. 15.
- Anderson, Walter R., Cleveland, Ohio. Scraper. 2,418,813; Apr. 15.
- Anderson, Wilbur G., Jr., assignor to American Box Board Company, Grand Rapids, Mich. Reinforced receptacle. 2,418,963; Apr. 15.
- Arenberg, David L., Boston, Mass., assignor, by mesne assignments, to the Government of the United States of America, as represented by the Secretary of War. Electromechanical apparatus. 2,418,964; Apr. 15.
- Armstrong Siddeley Motors Limited, assignee: *See*—
  - Clark, Thomas.
- Arundel Coulthard & Company Limited, assignee: *See*—
  - Bateman, Loftus H.
- Ashwood, Norman D., Victoria, British Columbia, Canada. Dispensing machine. 2,419,050; Apr. 15.
- Ashworth, Wylie, Helena, Mont. Game. 2,419,000; Apr. 15.
- Atlas Powder Company, assignee: *See*—
  - Hales, Ralph A.
  - Sanders, Marshall T.
- Attorney General of the United States: *See*—
  - Fischer, Franz.
  - Gouy, Leon.
  - Mertens, Willi.
  - Perrot, Henri.
  - Wilfert, Karl, and Barényi.
- Ayers, George W., Chicago, and E. E. Harton, Jr., Evanston, assignors to The Pure Oil Company, Chicago, Ill. Determining iso-paraffins in hydrocarbon mixtures. 2,418,814; Apr. 15.
- Babcock & Wilcox Company, The, assignee: *See*—
  - Baver, Clyde B.
- Badmaieff, Alexis, Los Angeles, Calif., assignor to Radio Corporation of America. Noise reduction amplifier circuit for sound recording systems. 2,419,001; Apr. 15.
- Baird, William M., Chicago, Ill. Insulated closure for refrigerated lockers. 2,419,002. Apr. 15.
- Baker, Benjamin P., Turtle Creek, and R. C. Dickinson, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Oil circuit breaker. 2,419,106; Apr. 15.
- Baker, Bernard R.: *See*—
  - Bernstein, Seymour, Baker, and Safir.
- Baker & Company, Inc., assignee: *See*—
  - Rosenblatt, Edgar F., and Pollen.
- Baker, Robert M.: *See*—
  - Cassen, Benedict, and Baker.
- Baldwin, Harry, Mamaroneck, N. Y. Link for slat shades. 2,419,107; Apr. 15.
- Baldwin Locomotive Works, The, assignee: *See*—
  - Emery, Albert H.
- Ballard, Seaver A., Oakland, and V. E. Haury, El Cerrito, assignors to Shell Development Company, San Francisco, Calif. Hydrolysis of acetone auto-condensation products. 2,419,051; Apr. 15.
- Banker, John R.: *See*—
  - Christaldi, Peter S., and Banker.
- Barber, Frank G., Luzerne, Pa. Alternating current electric bell. 2,418,863; Apr. 15.
- Barényi, Bela: *See*—
  - Wilfert, Karl, and Barényi.
- Barggren, Richard W., Niles, Ill., assignor to D. L. Klein, Grand Rapids, Mich. Lathe dog. 2,418,864; Apr. 15.
- Barlow, William H., assignor to Scovill Manufacturing Company, Waterbury, Conn. Cowl fastener. 2,419,108; Apr. 15.
- Bateman, Loftus H., assignor to Arundel Coulthard & Company Limited, Stockport, England. Yarn winding machine. 2,419,003; Apr. 15.
- Baver, Clyde B., Fanwood, assignor to The Babcock & Wilcox Company, Newark, N. J. Fluid heating. 2,418,815; Apr. 15.
- Bechberger, Paul F.: *See*—
  - Peterson, Joel D., and Bechberger.
- Becker, Howard I., Rexford, N. Y., assignor to General Electric Company. Thermionic energy detector. 2,419,052; Apr. 15.
- Bell Telephone Laboratories, Incorporated, assignee: *See*—
  - Albersheim, Walter J.
  - Engstrom, Olle D.
  - Julian, Renne S.
  - Kinsburg, Boris J.
  - Meacham, Larned A.
- Bellmann, Bernard R.: *See*—
  - Kimm, Ewald J., and Bellmann.
- Bendix Aviation Corporation, assignee: *See*—
  - Miles, John R.
  - Peterson, Joel D., and Bechberger.
- Bennett, Charles E., Ridgewood, assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Buoyant electric cable. 2,419,053; Apr. 15.
- Bennett, Charles E., Ridgewood, assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Electric cable. 2,419,054; Apr. 15.
- Benson, August H., Los Angeles, Calif. Portable fire hydrant. 2,418,808; Apr. 15.
- Benson, John H., assignor to Mullins Manufacturing Corporation, Salem, Ohio. Combined drawer and rack. 2,418,919; Apr. 15.
- Berger, Alfred J., and H. S. Greene, Cincinnati, Ohio. Treatment of tobacco. 2,419,109; Apr. 15.
- Berger, Henry G., G. S. Crandall, and J. F. Socolofsky, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Dispersing oil gels. 2,418,920; Apr. 15.
- Berger, Henry G., Glen Rock, and G. S. Crandall and J. F. Socolofsky, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Bodying drying oils and the product resulting therefrom. 2,418,921; Apr. 15.

- Berndt, Arthur, New York, N. Y., and K. Berndt, Asheville, N. C. Toy. 2,418,922; Apr. 15.
- Berndt, Kurt: *See*—
  - Berndt, Arthur and K.
- Bernstein, Seymour, Pearl River, B. R. Baker, Nanuet, and S. R. Safir, Pearl River, assignors, by mesne assignments, to American Cyanamid Company, New York, N. Y. 5-keto-2,4,6,8-tetrahydroimidazolo [4,5-c] thiophenes and preparing the same. 2,418,923; Apr. 15.
- Bieker, Lawrence W., Munster, Ind., and E. W. Welp, Chicago, Ill., assignor to Graver Tank & Mfg. Co., Inc. Tank structure for liquid treatment. 2,419,004; Apr. 15.
- Bigelow, Newell M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Black sulfur dyes and manufacturing the same. 2,418,816; Apr. 15.
- Binney, Joe G., New Douglas, Ill. Chocking means. 2,419,110; Apr. 15.
- Blair, Gerhardt, New York, N. Y. Snap switch. 2,418,965; Apr. 15.
- Blockson Chemical Co., assignee: *See*—
  - King, Charles S.
- Bochot, Aristide, La Minaudier, Misy sur Yonne par Villeneuve la Guyard, France. Tile. 2,419,005; Apr. 15.
- Bonkowski, Teofil L., Los Angeles, Calif. Sanding drum. 2,418,966; Apr. 15.
- Booth, James H., Corunna, Mich. Stone collector. 2,418,924; Apr. 15.
- Borngraeber, Royce R.: *See*—
  - Hyland, William A., and Borngraeber.
- Boston Woven Hose & Rubber Company, assignee: *See*—
  - Marcy, Grosvenor D.
- Bostwick, Myron A., Budd Lake, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrostatic relay. 2,419,111; Apr. 15.
- Brackett, Clare L., assignee: *See*—
  - Edwardes, John.
- Braidwood, Clinton A., Ferndale, Mich., and A. G. Hovey, Minneapolis, Minn., assignors to Reichhold Chemicals, Inc., Detroit, Mich. Polymerization of rosin. 2,419,185; Apr. 15.
- Brandt, John B., Jr., Rochester, N. Y. Gas evacuating device. 2,419,112; Apr. 15.
- Bricker, Carl E., assignor to Wingfoot Corporation, Akron, Ohio. Booster brake. 2,419,113; Apr. 15.
- Briegel, Theodore W., Galva, Ill. Skin grafting knife. 2,419,114; Apr. 15.
- Briggs Manufacturing Company, assignee: *See*—
  - Frank, Clarence E., and Wyatt.
- Bryant, Edwin F., Corona, assignor to California Fruit Growers Exchange, Los Angeles, Calif. Preparing pectinates. 2,418,865; Apr. 15.
- Bryant, Edwin F., Corona, assignor to California Fruit Growers Exchange, Los Angeles, Calif. Preparing pectinates. 2,418,866; Apr. 15.
- Bryson, Boyd, deceased, by M. Bryson, executrix, assignor to Bryson Manufacturing Co. Inc., Clifton, N. J. Sewing machine. 2,419,006; Apr. 15.
- Bryson Manufacturing Co. Inc., assignee: *See*—
  - Bryson, Boyd.
- Bryson, Margaret, executrix: *See*—
  - Bryson, Boyd.
- Burch, Lyndon W., Pelham, N. Y., assignor to The Wilcolator Company, Newark, N. J. Heat responsive device having separate minimum flame and normal flame responsive elements. 2,418,867; Apr. 15.
- Burkholder, Alden H., Cleveland, G. P. Standley, Cleveland Heights, and K. M. McLellan, assignors to Industrial Rayon Corporation, Cleveland, Ohio. Apparatus for making cord and the like. 2,419,055; Apr. 15.
- Burt, F. N., Company, Inc., assignee: *See*—
  - Wells, William J.
- Burton, Harry H., Worcester, Mass., assignor, by mesne assignments, to Aerovox Corporation. Mica splitting process and apparatus. 2,419,056; Apr. 15.
- Busse, Edwin E., assignor to Chicago Railway Equipment Company, Chicago, Ill. Brake beam structure. 2,419,115; Apr. 15.
- California Fruit Growers Exchange, assignee: *See*—
  - Bryant, Edwin F.
- Cantlin, John H., Auburn, Maine, assignor to Walter Kidde & Company, Inc. Safety device for fire extinguisher valves. 2,418,817; Apr. 15.
- Carbide and Carbon Chemicals Corporation, assignee: *See*—
  - Rugeley, Edward W., and Feild.
- Carborundum Company, The, assignee: *See*—
  - Homeyer, Roger H.
- Carnegie-Illinois Steel Corporation, assignee: *See*—
  - Grunke, Arnold C., and Muddiman.
  - Jaxtheimer, Charles H.
- Cassen, Benedict, Los Angeles, Calif., and R. M. Baker, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Apparatus for high-frequency induction heating of strips. 2,419,116; Apr. 15.
- Celanese Corporation of America, assignee: *See*—
  - Piperoux, Rene P., and Soussloff.
- Chalfant, Charles A., and W. Langston, Pine Bluff, Ark. Aeroelectric valve. 2,419,117; Apr. 15.
- Champion Spark Plug Company, assignee: *See*—
  - Kelly, John P.
- Chicago Railway Equipment Company, assignee: *See*—
  - Busse, Edwin G.
- Christaldi, Peter S., Upper Montclair, and J. R. Banker, assignors to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Sweep synchronizing and beam blanking device. 2,419,118; Apr. 15.
- Christensen, Paul B., Fair Lawn, N. J., assignor, by mesne assignments, to Westinghouse Electric Corporation. Apparatus for treating and storing meat. 2,419,119; Apr. 15.
- Christensen, Paul M., West Hartford, Conn., assignor, by mesne assignments, to Federal Electric Products Company, Inc., Newark, N. J. Fuse terminal clip. 2,419,007; Apr. 15.
- Chrysler Corporation, assignee: *See*—
  - Huebner, George J., Jr.
- Clapp, Richard C., Stamford, and R. O. Roblin, Jr., Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Ureylene carbocyclic compounds and their preparation. 2,418,925; Apr. 15.
- Clark, Robert H., Solon, assignor to The Warner & Swasey Company, Cleveland, Ohio. Machine tool cutting speed indicator. 2,419,120; Apr. 15.
- Clark, Thomas, assignor to Armstrong Siddeley Motors Limited, Coventry, England. Mounting of wheels. 2,418,967; Apr. 15.
- Clifford, Albert M., Stow, assignor to Wingfoot Corporation, Akron, Ohio. Vinyl furane copolymerization products. 2,419,057; Apr. 15.
- Clifford, David G., Montclair, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Tuning cavity resonators. 2,419,121; Apr. 15.
- Coe, Glenn D.: *See*—
  - Coghill, William H., and Coe.
- Coe, Mayne R., Washington, D. C., assignor to Rile-Coe Filter Process, Inc., Dover, Del. Packaging material and process covered thereby. 2,418,818; Apr. 15.
- Coffman, Donald D., and T. A. Ford, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerizing vinyl fluoride. 2,419,008; Apr. 15.
- Coffman, Donald D., and T. A. Ford, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Vinyl fluoride copolymers. 2,419,009; Apr. 15.
- Coffman, Donald D., and T. A. Ford, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polyvinyl fluoride. 2,419,010; Apr. 15.
- Coggins, George F., New Bedford, and J. F. Ahearn, Reading, assignors to Aerovox Corporation, New Bedford, Mass. Processing of castor oil. 2,418,819; Apr. 15.
- Coggins, George F., New Bedford, and J. F. Ahearn, Reading, assignors to Aerovox Corporation, New Bedford, Mass. Dielectrics. 2,418,820; Apr. 15.
- Coghill, William H., and G. D. Coe, Tuscaloosa, Ala., assignors to the Government of the United States, as represented by the Secretary of the Department of the Interior. Plural stage hydraulic classifier. 2,418,821; Apr. 15.
- Cole, Gilmoure N., and F. H. Hopper, Manchester, assignors to United Aircraft Corporation, East Hartford, Conn. Engine shipping case. 2,418,868; Apr. 15.
- Coley, James P., London, England, assignor, by mesne assignments, to The Union Switch and Signal Company, Swissvale, Pa. Coded track circuit signalling system for railways and the like. 2,418,869; Apr. 15.
- Colton, Lloyd W.: *See*—
  - Harris, Le Mar W., and Colton.
- Columbia Protektosite Company, Inc., assignee: *See*—
  - Desimone, Anthony J.
- Combustion Control Corporation, assignee: *See*—
  - Long, John A.
- Cox, Fred W., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Copolymers of alkyl aconitates and vinyl chloride. 2,419,122; Apr. 15.
- Crandall, George S.: *See*—
  - Berger, Henry G., Crandall, and Socolofsky.
- Crever, Frederick E., Scotia, N. Y., assignor to General Electric Company. Polyphase speed synchronizing system for a plurality of rotating machines. 2,419,058; Apr. 15.
- Crouch, Frank, Rockport, Mass. Interlocked bracket and support. 2,418,968; Apr. 15.
- Crowder, Fredrick A., Miami, Fla. Folding garment hanger. 2,418,870; Apr. 15.
- Cumming, James M., Turtle Creek, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,419,123; Apr. 15.
- Cundiff, William N.: *See*—
  - Norris, David L., Sr., and Cundiff.
- Curtis, Gerard W., Edgewater, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Recovery of chrysene. 2,419,011; Apr. 15.
- Curtis Pump Company, assignee: *See*—
  - Kimm, Ewald J., and Bellmann.
- Dailey, Hampton J., Bloomfield, N. J., assignor to Westinghouse Electric Corporation, Pittsburgh, Pa. Insulating means for metallic spacers in electron discharge devices. 2,419,124; Apr. 15.
- Danielson, Paul F., Los Angeles, Calif. Apparatus for grinding bushings. 2,418,871; Apr. 15.
- De Florez, Luis, U. S. Navy. Pistol trainer. 2,418,822; Apr. 15.
- De Mers, Edward F.: *See*—
  - Goldberg, Harold, and De Mers.

Desimone, Anthony J., Lyndhurst, assignor to Columbia Protektosite Company, Inc., Carlstadt, N. J. Apparatus for molding wire core temples. 2,418,823; Apr. 15.

D'Essen, Charles E., New York, N. Y. Dental articulator. 2,418,824; Apr. 15.

De Villiers, Charente P. R., Tokai, Cape Town, Cape Province, Union of South Africa. Apparatus for the hydraulic transmission of power. 2,419,059; Apr. 15.

De Weese, Joseph C.: *See*—
Gray, Reid B., and De Weese.

Dickinson, Robert C.: *See*—
Baker, Benjamin P., and Dickinson.

Di Gesare, Samuel A., Buffalo, N. Y. Covering for the board of ironing tables. 2,418,969; Apr. 15.

Dodegge, Carl, Maywood, assignor to Aero Metal Products Corporation, Chicago, Ill. Ticket machine. 2,419,012; Apr. 15.

Donath, Ralph: *See*—
Shandor, Marion E., and Donath.

Donner-Hanna Coke Corporation, assignee: *See*—
Segur, Daniel K.

Donroe, Louis J., Irvington, assignor to Pyrene Manufacturing Company, Newark, N. J. Electrolytically depositing iron and iron alloys. 2,418,970; Apr. 15.

Dorfman, Hiller D., Forest Hills, and G. J. Freese, East McKeesport, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,419,125; Apr. 15.

Dow Chemical Company, The, assignee: *See*—
Hammer, Oscar H.

Dow, Orville E., Port Jefferson, N. Y., assignor to Radio Corporation of America. High-frequency wave meter. 2,419,126; Apr. 15.

Ducey, Roger H., Belmont, Mass. Cylinder lock. 2,419,013; Apr. 15.

Duffy, Thomas I., assignor to Anderson-Bolling Mfg. Co., Grand Haven, Mich. Wagon construction. 2,418,971; Apr. 15.

Du Mont, Allen B., Laboratories, Inc., assignee: *See*—
Christaldi, Peter S., and Banker.
Steadman, Albert.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Bigelow, Newell M.
Coffman, Donald D., and Ford.
Fletcher, David A., and Johnston.
Ford, Thomas A.
Grimm, Godfrey.
Hanford, William E., and Harmon.
Harris, Charles R., and Sharples.
Hetherington, Harry C.
Izard, Emmette F.
Izard, Emmette F., and Howk.
Morgan, Paul W.
Nerlinger, Ludwig F.
Quinn, Joseph L., and Spader.
Raasch, Maynard S., and Theobald.
Signaigo, Frank K., and Sly.
Sloan, Clifford K.
Wagoner, Harvey E.

E. A. Laboratories, Inc., assignee: *See*—
Unger, Sidney.

E & G Machine and Tool Company, assignee: *See*—
Polt, William.

Easley, Gilbert J., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,419,127; Apr. 15.

Edwardes, John, assignor to C. L. Brackett, Detroit, Mich. Making colloidal dispersions of a rubber-like reaction product of an inorganic polysulfide and an olefin dihalide. 2,419,060; Apr. 15.

Egry Register Co., The, assignee: *See*—
Ritzert, Robert W.

Elliott Company, assignee: *See*—
Smith, Ronald B.

Emery, Albert H., Stamford, Conn., assignor to The Baldwin Locomotive Works. Pressure operated electric strain gage. 2,419,061; Apr. 15.

Engstrom, Olle D., East Williston, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Relaxation oscillator. 2,418,825; Apr. 15.

Engstrom, Olle D., East Williston, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Multivibrator circuit. 2,418,826; Apr. 15.

Evans, George S., East Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Mercury vapor tube. 2,419,128; Apr. 15.

Ewald, Mark, Olympia, Wash., assignor to Special Equipment Company, Portland, Oreg. Machine for stemming, splitting, peeling and coring pears. 2,418,827; Apr. 15.

Ex-Cell-O Corporation, assignee: *See*—
Karweit, John W.

Farley, Edward E., Pocatello, Idaho. Scalp massager. 2,419,062; Apr. 15.

Federal Electric Products Company, Inc., assignee: *See*—
Christensen, Paul M.

Feild, Theophilus A., Jr.: *See*—
Rugeley, Edward W., and Feild.

Filer & Stowell Co., The, assignee: *See*—
Read, Everett C.

Fischer, Franz, Berlin-Wilmersdorf, Germany, vested in the Attorney General of the United States. Gyroscope control. 2,419,063; Apr. 15.

Fisher, Theodore R., Brandon, Fla. Duplex indicating test prod. 2,418,872; Apr. 15.

Fite, John W., and P. M. French, Nashville, Tenn., assignors to Union Special Machine Company, Chicago, Ill. Sewing machine table board. 2,419,064; Apr. 15.

Fitzgerald, James H., Westfield, N. J. Cable controlled boom bucket and closure. 2,419,129; Apr. 15.

Fletcher, David A., Pompton Plains, N. J., and F. L. Johnston, Claymont, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerization of methyl methacrylate. 2,418,828; Apr. 15.

Fletcher, Ed, Newark, Ohio, and H. Snow, Lonsdale, R. I. Apparatus for attenuating thermoplastic materials. 2,418,873; Apr. 15.

Flygare, Carl G., and C. C. Alvord, assignors to Norton Company, Worcester, Mass. Grinding wheel spindle reciprocating mechanism. 2,419,130; Apr. 15.

Ford, Thomas A.: *See*—
Coffman, Donald D., and Ford.

Ford, Thomas A., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Carboxylation of isoolefins. 2,419,131; Apr. 15.

Fowler, Victor M., Spokane, Wash. Ladder brace. 2,419,065; Apr. 15.

Francis, Kenneth L., Denver, Colo. Fluorescent fixture. 2,418,926; Apr. 15.

Frank, Clarence E., and R. A. Wyatt, assignors to Briggs Manufacturing Company, Detroit, Mich. Engine. 2,419,066; Apr. 15.

Freese, Gerald J.: *See*—
Dorfman, Hiller D., and Freese.

Freiberg, Louis D., assignee: *See*—
Silver, Joseph R.

French Oil Mill Machinery Company, The, assignee: *See*—
Stacy, Thomas F.

French, Patrick M.: *See*—
Fite, John W., and French.

Freund, Herbert, West New York, N. J. Coating or sizing treatment of yarns. 2,418,927; Apr. 15.

Friedman, Murray J., Northampton, Mass. Apparatus for treating sheet material. 2,419,132; Apr. 15.

Fuchs, Harry, New York, N. Y. Electromechanical device. 2,419,014; Apr. 15.

Galvin Manufacturing Corporation, assignee: *See*—
Holthouse, Harry B.

Garside, John I., West Boylston, assignor to Norton Company, Worcester, Mass. Grinding wheel feeding mechanism. 2,419,133; Apr. 15.

Gary, Hartwell H., Jr., Norfolk, Va. Apparatus for drawing flat metal blanks into shells. 2,418,874; Apr. 15.

Gascoigne, George H., Wokingham, and J. A. Kingston, Tilehurst, Reading, England. Agricultural implement. 2,419,015; Apr. 15.

Gay, Paul S., assignor to Wilcox-Gay Corporation, Charlotte, Mich. Frequency selector and calibrator. 2,418,972; Apr. 15.

Gazolas, Jack, assignor of one-half to M. Marin, Chicago, Ill. Expansible honing tool. 2,419,067; Apr. 15.

Gemmel, Wilbur R., Wheaton, assignor to Teletype Corporation, Chicago, Ill. Telegraph system and apparatus for selective single or double channel operation. 2,418,928; Apr. 15.

General Chemical Company, assignee: *See*—
Otto, Julian A., and Anderson.

General Electric Company, assignee: *See*—
Adams, Roy L., and Zickrick.
Alger, Philip L.
Becker, Howard I.
Crever, Frederick E.
Girvin, Fred.
Hall, Chester I.
Hawes, Bradford K.
Wall, Alexander C.
Weaver, Virgil L.

General Latex and Chemical Corporation, assignee: *See*—
Rainard, Leo W.

General Motors Corporation, assignee: *See*—
Sampson, Frederick W., and Hyde.

Gensheimer, Henry, New York, N. Y. Hemming attachment for automatic feeding and sewing machines. 2,419,068; Apr. 15.

Geophysical Engineering Corporation, assignee: *See*—
Raitt, Russell W.

Gibbs, Charles W., Chevy Chase, Md. Rotary motor. 2,418,829; Apr. 15.

Girdler Corporation, The, assignee: *See*—
Haslam, John H.

Girvin, Fred, Schenectady, N. Y., assignor to General Electric Company. Contact element. 2,418,812; Apr. 15.

Glassbrook, Roland R., assignor of one-fourth to W. Glassbrook, Lansing, Mich. Divided tube metal beam structure. 2,418,929; Apr. 15.

Glassbrook, Wayne, assignee: *See*—
Glassbrook, Roland R.

Goese, Melvin A.: *See*—
McElvain, Samuel M., and Goese.

Goldberg, Harold, Baltimore, Md., and E. F. De Mers, assignors to Stromberg-Carlson Company, Rochester, N. Y. Nonlinear charging system for networks. 2,418,875; Apr. 15.

Goodrich, B. F., Company, The, assignee: *See*—
Herzegh, Frank.

Gorin, Everett, Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Chlorine manufacture. 2,418,930; Apr. 15.

Gorin, Everett, Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Recovery of halogens. 2,418,931; Apr. 15.

Gouy Léon, Geneva, Switzerland, vested in the Attorney General of the United States. Arrangement of electrical instruments on airplanes. 2,418,830; Apr. 15.

Grace, Edward J., Jr., Swarthmore, assignor to Sun Oil Company, Philadelphia, Pa. Apparatus for collecting fluid samples. 2,418,876; Apr. 15.

Graver Tank & Mfg. Co., Inc., assignee: *See*—
Bicker, Lawrence W., and Welp.

Gray, Reid B., Dundalk, and J. C. De Weese, Essex, assignors to The Glenn L. Martin Company, Middle River, Md. Lubricating oil cell. 2,419,016; Apr. 15.

Greene, Hoke S.: *See*—
Berger, Alfred J., and Greene.

Greenland, Leonard S.: *See*—
Simpson, Thomas, Greenland, and Ramsay.

Griffin, Timothy G., Bronxville, assignor to Griffin Wellpoint Corporation, New York, N. Y. Pipe fitting. 2,419,069; Apr. 15.

Griffin Wellpoint Corporation, assignee: *See*—
Griffin, Timothy G.

Grimm, Godfrey, Nutley, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Metal protective pigment. 2,419,017; Apr. 15.

Grunke, Arnold C., Apollo, and E. R. Muddiman, Wilkinsburg, Pa., assignors to Carnegie-Illinois Steel Corporation. Strip coating apparatus. 2,419,070; Apr. 15.

Gudie, Ray W., Los Angeles, Calif., assignor of one-third to P. E. Wood and one-third to R. F. Thacker. Connector. 2,419,018; Apr. 15.

Gustafson, Leslie C., Pontiac, Mich. Bed lamp. 2,418,877; Apr. 15.

Guthrie, Walter R.: *See*—
Thomas, Samuel E., and Guthrie.

Hales, Ralph A., West Chester, Pa., assignor to Atlas Powder Company, Wilmington, Del. Continuous process for oxidizing carbohydrates to tartaric acid. 2,419,019; Apr. 15.

Hales, Ralph A., West Chester, Pa., assignor to Atlas Powder Company, Wilmington, Del. Calcium tartrate recovery process. 2,419,020; Apr. 15.

Hall, Chester I., Vischer's Ferry, N. Y., assignor to General Electric Company. Electromagnet. 2,419,071; Apr. 15.

Hall, Chester I., Vischer's Ferry, N. Y., assignor to General Electric Company. Electric switch. 2,419,072; Apr. 15.

Hall, Nelson, Detroit, Mich. Locator utilizable in forming metal articles. 2,419,134; Apr. 15.

Hamilton, James C., Lexington, assignor to Photoswitch, Incorporated, Cambridge, Mass. Electric switch. 2,418,831; Apr. 15.

Hammer, Oscar H., South Haven, assignor to The Dow Chemical Company, Midland, Mich. Controlling parasites in soil. 2,419,073; Apr. 15.

Hanford, William E., and J. Harmon, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Chemical process and compound therefrom. 2,418,832; Apr. 15.

Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Ultra high frequency amplifying system. 2,419,135; Apr. 15.

Hardinge Company, Inc., assignee: *See*—
Hardinge, Harlowe.

Hardinge, Harlowe, assignor to Hardinge Company, Inc., York, Pa. Thickener. 2,418,973; Apr. 15.

Harkins, Robert H., Mount Vernon, N. Y. Diffusing repellents. 2,418,878; Apr. 15.

Harmon, Jesse: *See*—
Hanford, William E., and Harmon.

Harnden, Charles W., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Bactericide and algaecide. 2,419,021; Apr. 15.

Harr, Russel E., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Making enamel coated articles. 2,418,932; Apr. 15.

Harris, Charles R., Lockport, and W. C. Sharples, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of vinyl cyanide. 2,419,186; Apr. 15.

Harris, La Mar W., and L. W. Colton, U. S. Navy. Laminated denture. 2,418,833; Apr. 15.

Hartman, Leonard S., Murfreesboro, Tenn. Automatic radio compass demonstrator. 2,418,834; Apr. 15.

Harton, Erskine E., Jr.: *See*—
Ayers, George W., and Harton.

Haslam, John H., assignor to The Girdler Corporation, Louisville, Ky. Pyrolysis of hydrocarbons to produce olefines. 2,418,879; Apr. 15.

Hasty, Albert F., Detroit, Mich. Honing mandrel. 2,419,136; Apr. 15.

Hatch, George B.: *See*—
Pevere, Ernest F., Hatch, and Sensel.

Haugsted, William A., Dayton, Ohio. Blower control. 2,418,835; Apr. 15.

Haury, Vernon E.: *See*—
Ballard, Seaver A., and Haury.

Hawes, Bradford K., Stratford, Conn., assignor to General Electric Company. Remote recording system. 2,418,836; Apr. 15.

Haynes, Cecil J., and S. E. Swain, Houston, Tex., assignors to Standard Oil Development Company. Device for cleaning pipe lines. 2,418,880; Apr. 15.

Heltzel, John N., Warren, Ohio. Slab connection. 2,419,022; Apr. 15.

Henry, Nelson R., Atlanta, Ga. Method and apparatus for forming flexible tubes. 2,418,974; Apr. 15.

Hensel, Franz R., and E. I. Larsen, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Sintered aluminum bearing. 2,418,881; Apr. 15.

Herbert, Frederick D., Jr., Upper Montclair, N. J., assignor, by mesne assignments, to Kearfott Company, Inc., New York, N. Y. Device for introducing motion into sealed instruments. 2,419,074; Apr. 15.

Herzegh, Frank, Shaker Heights, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire bead lock. 2,419,075; Apr. 15.

Hetherington, Harry C., Charleston, W. Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Inhibiting taste and odor in glycollic acid. 2,419,137; Apr. 15.

Hill, Ebenezer, Stamford, Conn. Navigational calculating instrument. 2,418,933; Apr. 15.

Hills, Harold G., Lakewood, assignor to The Wellman Engineering Company, Cleveland, Ohio. Retracting boom crane. 2,419,138; Apr. 15.

Hirsch, Charles, South Bend, assignor to The American Foundry Equipment Company, Mishawaka, Ind. Cleaning machine. 2,418,934; Apr. 15.

Hobson, H. M., Limited, assignee: *See*—
Simpson, Thomas, Greenland, and Ramsay.

Holmström, Georg H. S., Goteborg, Sweden. Baby carriage and the like. 2,419,023; Apr. 15.

Holt, Ernest K.: *See*—
Murphy, John F., and Holt.

Holthouse, Harry B., assignor to Galvin Manufacturing Corporation, Chicago, Ill. Fuel conditioning means. 2,418,882; Apr. 15.

Homeyer, Roger H., Tonawanda, assignor to The Carborundum Company, Niagara Falls, N. Y. Anchoring means for abrasive disks. 2,418,883; Apr. 15.

Hoover, Charles O., Houston, Tex., assignor to Air Reduction Company, Incorporated, New York, N. Y. Purifying hydrocarbon oils. 2,418,884; Apr. 15.

Hopkins, Robert K., assignor to The M. W. Kellogg Company, New York, N. Y. Electrode holder and shield. 2,419,139; Apr. 15.

Hopper, Fred H.: *See*—
Cole, Gilmoure N., and Hopper.

Horsley, Franz A., Martinez, assignor to Shell Development Company, San Francisco, Calif. Removal of carbonaceous deposits. 2,419,076; Apr. 15.

Houdry, Eugene J., Ardmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Contacting apparatus. 2,418,837; Apr. 15.

Houdry Process Corporation, assignee: *See*—
Houdry, Eugene J.

Houston, George J., Scranton, Pa. Rope fastener device. 2,418,885; Apr. 15.

Hovey, Almon G.: *See*—
Braidwood, Clinton A., and Hovey.

Howard, Herbert W.: *See*—
Johns, Francis J., and Howard.

Howk, Benjamin W.: *See*—
Izard, Emmette F., and Howk.

Huebner, George J., Jr., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Drive control mechanism. 2,418,838; Apr. 15.

Hutchinson, Gilbert E., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Treatment of steel articles. 2,418,935; Apr. 15.

Hutchinson, Gilbert E., Bridgeport, Conn., and A. A. Johnson, Wilmington, Del., assignors to Remington Arms Company, Inc., Bridgeport, Conn. Target manufacture. 2,418,936; Apr. 15.

Hyde, George J.: *See*—
Sampson, Frederick W., and Hyde.

Hyland, William A., and R. R. Borngraeber, assignors to The Van Brunt Manufacturing Company, Horicon, Wis. Soil pulverizer and seeder. 2,418,937; Apr. 15.

Iams, Harley A., Princeton, N. J., assignor to Radio Corporation of America. Radio viewing system. 2,419,024; Apr. 15.

Imperial Chemical Industries Limited, assignee: *See*—
Parry, Edryd G.

Industrial Rayon Corporation, assignee: *See*—
Burkholder, Alden H., Standley, and McLellan.

Interior, United States of America, as represented by the Secretary of, assignee: *See*—
Coghill, William H., and Coe.

Ipatieff, Vladimir N., and C. B. Linn, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Treatment of alkyl ketones to form condensation products thereof. 2,419,142; Apr. 15.

Irwin, Dwight M., Charlotte, N. C. Blanket bindings. 2,418,886; Apr. 15.

Isserstedt, Siegfried C., Toronto, Ontario, Canada, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Time operated switch. 2,419,077; Apr. 15.

Ivy, Jessie T., Seattle, Wash. Drafting device for drawing projections. 2,419,078; Apr. 15.

Izard, Emmette F., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Sulfur-containing polymeric compounds. 2,418,938; Apr. 15.

Izard, Emmette F., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Sulfur-containing polymeric compounds and producing the same. 2,418,939; Apr. 15.

Izard, Emmette F., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Sulfur-containing polymeric compounds. 2,418,940; Apr. 15.

Izard, Emmette F., Kenmore, N. Y., and B. W. Howk, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Thiourea derivatives of polymeric compounds. 2,418,941; Apr. 15.

Jacqué, John, New York, N. Y. Curtain rod mounting. 2,419,140; Apr. 15.

Jaxtheimer, Charles H., North Braddock, Pa., assignor to Carnegie-Illinois Steel Corporation. Sealing device. 2,419,079; Apr. 15.

Johns, Francis J., Pittsburgh, and H. W. Howard, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Motor control. 2,419,141; Apr. 15.

Johnson, Alfred A.: *See—*
Hutchinson, Gilbert E., and Johnson.

Johnson, Harold M., Toledo, Ohio. Valve closure flap. 2,418,975; Apr. 15.

Johnston, Frederick L.: *See—*
Fletcher, David A., and Johnston.

Joly, Oscar W., West Springfield, assignor to Springfield Photo Mount Co., Holyoke, Mass. Picture frame. 2,419,187; Apr. 15.

Jones, Richard, assignor to Walt Disney Productions, Burbank, Calif. Register pin mechanism. 2,418,943; Apr. 15.

Jones, Wanna, Montvale, N. J. Convertible glove. 2,418,887; Apr. 15.

Julian, Renne S., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wide range tuner for cavity resonators. 2,418,839; Apr. 15.

Kaiser, Donald W.: *See—*
Thurston, Jack T., and Kaiser.

Kaiser, Donald W., and J. T. Thurston, Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y. Guanides and their preparation. 2,418,944; Apr. 15.

Kaminer, Bernard H., Brooklyn, N. Y. Key case. 2,418,945; Apr. 15.

Karweit, John W., Skokie, Ill., assignor, by mesne assignments, to Ex-Cell-O Corporation, Detroit, Mich. Hydraulic drill press. 2,418,840; Apr. 15.

Karweit, John W., Skokie, Ill., assignor, by mesne assignments, to Ex-Cell-O Corporation, Detroit, Mich. Hydraulic drill press. 2,418,841; Apr. 15.

Kearby, Kenneth K., Elizabeth, N. J., assignor to Standard Oil Development Company. Dehydrogenation catalysts. 2,418,888; Apr. 15.

Kearby, Kenneth K., Elizabeth, N. J., assignor to Standard Oil Development Company. Dehydrogenation catalyst. 2,418,889; Apr. 15.

Kearfott Company, Inc., assignee: *See—*
Herbert, Frederick D., Jr.

Kehle, Ottmar A., West Los Angeles, Calif., assignor to Adel Precision Products Corp. Relief valve. 2,419,143; Apr. 15.

Kellogg, M. W., Company, The, assignee: *See—*
Hopkins, Robert K.

Kelly, John P., assignor to Champion Spark Plug Company, Toledo, Ohio. Antiseize and sealing compound. 2,419,144; Apr. 15.

Kersenbrock, William J., and W. W. Riley, Brentwood, Mo. Hoist. 2,419,145; Apr. 15.

Kidde, Walter & Company, Inc., assignee: *See—*
Cantlin, John H.

Kimm, Ewald J., and B. R. Bellmann, assignors to Curtis Pump Company, Dayton, Ohio. Booster pump with vapor separating means. 2,419,146; Apr. 15.

King, Charles S., assignor to Blockson Chemical Co., Joliet, Ill. Manufacture of sodium tripolyphosphate. 2,419,147; Apr. 15.

King, Charles S., assignor to Blockson Chemical Co., Joliet, Ill. Manufacture of sodium triphosphates. 2,419,148; Apr. 15.

Kingston, Jonas A.: *See—*
Gascoigne, George H., and Kingston.

Kinsburg, Boris J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Scanning oscillator. 2,418,842; Apr. 15.

Knight Leather Products Co., Inc., assignee: *See—*
Renz, Emil K.

Kohen, Sol H.: *See—*
Schupbach, Rene M., and Kohen.

Kraus, Charles E., Sparks, Md. Coating with alkali silicate. 2,419,080; Apr. 15.

Krebs, Robert W., Baton Rouge, La., assignor to Standard Oil Development Company. Stripping of spent catalyst particles in the catalytic conversion of hydrocarbons. 2,418,890; Apr. 15.

Lakeside Engineering Corporation, assignee: *See—*
Montgomery, John A.

Langston, Waple: *See—*
Chalfant, Charles A., and Langston.

Lankelma, Herman P.: *See—*
Musselman, John M., and Lankelma.

Larsen, Earl I.: *See—*
Hensel, Franz R., and Larsen.

Lawson, Robert H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for operating upon shoes. 2,418,891; Apr. 15.

Leatherman, Martin, Hyattsville, Md. Fire-resistant coating composition. 2,418,843; Apr. 15.

Lehigh Spinning Company, assignee: *See—*
Thomas, Samuel E., and Guthrie.

Leonard, Merrill G.: *See—*
Putman, Henry V., and Leonard.

Le Van, James D., Belmont, assignor to Raytheon Manufacturing Company, Newton, Mass. Ultra high frequency tube. 2,418,844; Apr. 15.

Lever Brothers Company, assignee: *See—*
Murphy, John F., and Holt.

Linn, Carl B.: *See—*
Ipatieff, Vladimir, and Linn.

Lodwig, Erwin, Franklin Square, assignor to Mobile Refrigeration, Inc., Long Island City, N. Y. Electrical method of mechanically connecting and mutually insulating spaced metal elements. 2,419,149; Apr. 15.

Long, John A., assignor to Combustion Control Corporation, Cambridge, Mass. Optical safety device. 2,418,845; Apr. 15.

Loomis, Oliver H., Ilion, N. Y., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Breech bolt lock for firearms. 2,418,946; Apr. 15.

Lord, Arthur H., Jr., Houston, Tex., assignor to The Texas Company, New York, N. Y. Radiation detector quenching circuit. 2,418,892; Apr. 15.

Losee, Kathryn: *See—*
Lott, William A., Losee, and O'Keeffe.

Lott, William A., Maplewood, K. A. Losee, New Brunswick, N. J., and A. E. O'Keeffe, U. S. Army, assignors to E. R. Squibb & Sons, New York, N. Y. N^4(mercapto-acyl)-(p-amino-benzene-sulfonamides) and preparing same. 2,418,947; Apr. 15.

Lower, Nathan M., Erie, Pa. Steam boiler. 2,419,150; Apr. 15.

Ludwig, Carl L., Los Angeles, Calif. Calculating device. 2,418,948; Apr. 15.

Mallory, P. R., & Co., assignee: *See—*
Hensel, Franz R., and Larsen.

Marcy, Grosvenor D., Newton Highlands, assignor to Boston Woven Hose & Rubber Company, Cambridge, Mass. Method and apparatus for vulcanizing strip material. 2,418,976; Apr. 15.

Marin, Mario, assignee: *See—*
Gazolas, Jack.

Martin, Glenn L., Company, The, assignee: *See—*
Gray, Reid B., and De Weese.

McCormack, Patrick F., West Rutland, Vt. Sand-blast shield. 2,418,893; Apr. 15.

McElvain, Samuel M., and M. A. Goese, Madison, Wis. Production of brompyridines. 2,418,977; Apr. 15.

McLellan, Kenneth M.: *See—*
Burkholder, Alden H., Standley, and McLellan.

McNab, John G., Cranford, and D. T. Rogers, Summit, N. J., assignors to Standard Oil Development Company. Compounded lubricating oil. 2,418,894; Apr. 15.

McNally, Dana R., Barneveld, N. Y., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Article gaging, ejecting, and refeed mechanism for die presses. 2,418,949; Apr. 15.

Meacham, Larned A., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Submarine detection system. 2,418,846; Apr. 15.

Mercer, William R., Hightstown, N. J., assignor to Radio Corporation of America. Comparator circuit for radio locators. 2,419,025; Apr. 15.

Mertens, Willi, Berlin-Zehlendorf, Germany; vested in the Attorney General of the United States. Hardening of polymers. 2,418,978; Apr. 15.

Messenger, Harry F., Pomona, Calif. Cutter for machine tools. 2,419,081; Apr. 15.

Middleton, Leslie H., Lucas, Ohio. General control device housing. 2,418,895; Apr. 15.

Mil-Art Sportswear Co., assignee: *See—*
Mintzes, Louis.

Miles, John R., West Englewood, assignor to Bendix Aviation Corporation, Teterboro, N. J. Eyepiece unit for telescopic systems of the class including binoculars. 2,419,151; Apr. 15.

Milleville, Bertram J., assignor to American Steel Foundries, Chicago, Ill. Car truck. 2,419,188; Apr. 15.

Minneapolis-Honeywell Regulator Company, assignee: *See—*
Isserstedt, Siegfried C.

Mintzes, Louis, assignor of one-half to Mil-Art Sportswear Co., Brooklyn, N. Y. Convertible athletic garment. 2,418,979; Apr. 15.

Mobile Refrigeration, Inc., assignee: *See—*
Lodwig, Erwin.

Montgomery, John A., Denver, Colo., assignor to Lakeside Engineering Corporation, Chicago, Ill. Settling tank. 2,418,950; Apr. 15.

Monti, Albert, Medford, Mass. Rubber heel. 2,418,896; Apr. 15.

Morgan, Paul W., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing polymeric materials containing sulfur. 2,418,942; Apr. 15.

Morin, George G., South Hadley Falls, Mass. Creeping mechanism for power shovels. 2,418,897; Apr. 15.

Morrill, Wayne J., Fort Wayne, Ind. Dynamoelectric machine rotor assembly. 2,418,980; Apr. 15.

Morris, Rupert C.: *See—*
Shokal, Edward C., and Morris.

Morris, Rupert C., Berkeley, and E. C. Shokal, Oakland, assignors to Shell Development Company, San Francisco, Calif. Unsaturated ethers of cyclic sulfones. 2,419,082; Apr. 15.

Morrissette, Everett, assignee: *See—*
Morrissette, Raymond E.

Morrissette, Raymond E., assignor of one-half to E. T. Morrissette, Indian Orchard, Mass. Serrating tool. 2,419,189; Apr. 15.

Mosebach, Karl J., Pittsburgh, Pa. Electrical connector. 2,419,152; Apr. 15.

Muddiman, Earil R.: *See—*
Grunke, Arnold C., and Muddiman.

Müller, Oskar A., Zurich, Switzerland. Producing tanning materials from waste sulfite liquor. 2,418,981; Apr. 15.

Mullins Manufacturing Corporation, assignee: *See—*
Benson, John H.

Murphy, John F., Fitchburg, and E. K. Holt, Arlington, assignors to Lever Brothers Company, Cambridge, Mass. Reconstitution of glycerides. 2,418,898; Apr. 15.

Musher Foundation Incorporated, assignee: *See—*
Musher, Sidney.

Musher, Sidney, assignor to Musher Foundation Incorporated, New York, N. Y. Oat pudding composition. 2,418,847; Apr. 15.

Musselman, John M., South Euclid, and H. P. Lankelma, Shaker Heights, assignors to The Standard Oil Company, Cleveland, Ohio. Lubricant and the like. 2,419,153; Apr. 15.

Myers, Joseph W., assignor, by mesne assignments, to Proctor Electric Company, Philadelphia, Pa. Electrical cooking apparatus. 2,419,083; Apr. 15.

Myerson, Martin: *See—*
Myerson, Simon and M.

Myerson, Simon and M., Brookline, Mass. Denture. 2,419,084; Apr. 15.

National Carbon Company, Inc., assignee: *See—*
Skinner, George M.

Nerlinger, Ludwig F., Marshallton, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of cadmium seleno-cyanide. 2,419,027; Apr. 15.

Newhouse, Walter F., Benton Harbor, Mich. Collapsible crate. 2,419,026; Apr. 15.

Newsom, Chelcie H., Kansas City, Mo. Circular row marker and cultivator. 2,419,085; Apr. 15.

Nolde and Horst Company, The, assignee: *See—*
Simmat, Eric.

Norris Brothers, Inc., assignee: *See—*
Norris, David L., Sr., and Cundiff.

Norris, David L., Sr., and W. N. Cundiff, assignors to Norris Brothers, Inc., Greenville, S. C. Picker stick for looms. 2,419,086; Apr. 15.

Norris, Edward O., Westport, Conn., assignor to Edward O. Norris, Inc., New York, N. Y. Producing mesh fabric stencils. 2,419,028; Apr. 15.

Norris, Edward O., Inc., assignee: *See—*
Norris, Edward O.

Norton Company, assignee: *See—*
Flygare, Carl G., and Alvord.
Garside, John I.
Silven, Herbert A.

Oberfell, George G., Bartlesville, Okla., assignor to Phillips Petroleum Company. Desulfurizing and reforming hydrocarbons. 2,419,029; Apr. 15.

O'Brien, Thomas L., Far Rockaway, N. Y. Beachcombing apparatus. 2,419,154; Apr. 15.

O'Connor, John C., Dayton, Ohio. Rocking mixer. 2,418,982; Apr. 15.

O'Keeffe, Andrew E.: *See—*
Lott, William A., Losee, and O'Keeffe.

Okonite-Callender Cable Company, Incorporated, The, assignee: *See—*
Bennett, Charles E.
Stevens, Donald R.

Orton, Samuel T., Jr., Lunenberg, assignor to Union Screen Plate Company, Fitchburg, Mass. Wood pulp screen plate. 2,419,155; Apr. 15.

Otto, Julian A., Long Island City, N. Y., and A. E. Anderson, Danielson, Conn., assignors to General Chemical Company, New York, N. Y. Production of 2,3-dimethylbutadiene-1,3. 2,419,030; Apr. 15.

Packer, Lewis C., Longmeadow, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Motor. 2,419,156; Apr. 15.

Palmer, Roy D., assignor to Aluminum Laboratories Limited, Montreal, Quebec, Canada. Recuperative heat treatment furnace. 2,418,983; Apr. 15.

Parry, Edryd G., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Preparation of ethylenebisiminodiacetic acid and salts thereof. 2,419,157; Apr. 15.

Patent and Licensing Corporation, The, assignee: *See—*
Young, Erving M.

Payne, Ernest, Denver, Colo. Tool for punching metal roofing. 2,418,984; Apr. 15.

Pearl, Irwin A., assignor, by mesne assignments, to Sulphite Products Corporation, Appleton, Wis. Production of vanillic acid (silver oxide process). 2,419,158; Apr. 15.

Perkins Glue Company, assignee: *See—*
Pierson, Gordon G.

Perrot, Henri, Paris, France; vested in the Attorney General of the United States. Brake. 2,418,848; Apr. 15.

Personal Products Corporation, The, assignee: *See—*
Schreiber, Frederick W.

Peterson, Joel D., Ridgewood, and P. F. Bechberger, Tenafly, assignors to Bendix Aviation Corporation, Bendix, N. J. Reproducing motion. 2,419,087; Apr. 15.

Pevere, Ernest F., Beacon, G. B. Hatch, Fishkill, and E. E. Sensel, Beacon, assignors to The Texas Company, New York, N. Y. Synthesis of hydrocarbons. 2,418,899; Apr. 15.

Pezzillo, Albert R., Philadelphia, Pa. Combination pump-motor-heater. 2,419,159; Apr. 15.

Philco Corporation, assignee: *See—*
Shoemaker, Malcolm G.

Phillips Petroleum Company, assignee: *See—*
Oberfell, George G.
Scarth, Virgil.

Photoswitch, Incorporated, assignee: *See—*
Hamilton, James C.

Pierson, Gordon G., assignor to Perkins Glue Company, Lansdale, Pa. Vegetable glue. 2,419,160; Apr. 15.

Piperoux, Rene P., Radburn, N. J., and D. G. Soussloff, New York, N. Y., assignors to Celanese Corporation of America. Method of and apparatus for making cups. 2,418,900; Apr. 15.

Pitt, Hubert L., Bromley, England. Controlling aeroplanes when in flight. 2,419,161; Apr. 15.

Pitt, Samuel, Westfield, and D. V. Waters, Flemington, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Welding apparatus. 2,418,951; Apr. 15.

Poillon, Ethel A., Forest Hills, N. Y. Toilet powder shaker and dispensing container therefor. 2,418,952; Apr. 15.

Pollack, Frederick, Kew Gardens, N. Y. Coffee composition. 2,419,031; Apr. 15.

Pollen, Louis: *See—*
Rosenblatt, Edgar F., and Pollen.

Polt, William, assignor, by mesne assignments, to E & G Machine and Tool Company, Freeport, N. Y. Tire demounting device. 2,418,849; Apr. 15.

Pope, Teddy R., Sr., Memphis, Tenn. Locator and position indicator. 2,419,162; Apr. 15.

Pope, Teddy R., Sr., Memphis, Tenn. Garbage receptacle and ladder. 2,419,163; Apr. 15.

Posey, Carl A., St. Paul, Minn. Proportioning device. 2,418,985; Apr. 15.

Pratt, Hazen C., Detroit, Mich. Sequence relay. 2,419,032; Apr. 15.

Primus, Irving S., assignor to Reeves-Ely Laboratories, Inc., New York, N. Y. Apparatus for lapping quartz oscillator plates. 2,419,033; Apr. 15.

Primus, Irving S., assignor to Reeves-Ely Laboratories, Inc., New York, N. Y. Bearing and seal therefor. 2,419,034; Apr. 15.

Proctor Electric Company, assignee: *See—*
Myers, Joseph W.

Pulverizing Machinery Company, assignee: *See—*
Sheldon, William M.

Pure Oil Company, The, assignee: *See—*
Ayers, George W., and Harton.

Putman, Henry V., and M. G. Leonard, Sharon, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Steering apparatus. 2,419,164; Apr. 15.

Putney, David H., assignor to Stratford Development Corporation, Kansas City, Mo. Contacting reactants with catalytic material. 2,419,088; Apr. 15.

Putney, David H.: *See—*
Stratford, Charles W., Altshuler, and Putney.
Stratford, Charles W., and Putney.

Pyrene Manufacturing Company, assignee: *See—*
Donroe, Louis J.

Quarnstrom, Ivar T., Detroit, Mich. Mold base. 2,419,089; Apr. 15.

Quinn, Joseph L., Matawan, and E. G. Spader, Roselle Park, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of molding powders. 2,419,035; Apr. 15.

Raasch, Maynard S., Wilmington, and C. W. Theobald, Christiana Hundred, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Chemical process and products. 2,418,850; Apr. 15.

- Radio Corporation of America, assignee: *See—*
  - Badmaieff, Alexis.
  - Dow, Orville E.
  - Hansell, Clarence W.
  - Iams, Harley A.
  - Mercer, William B.
  - Runge, Frank E.
  - Smith, Lloyd P.
  - Wehner, Robert S.
  - Wolff, Irving, and Sanders.
- Rainard, Leo W., Wayland, assignor to General Latex and Chemical Corporation, Cambridge, Mass. Silver nitrate activator for butadiene-1,3 emulsion polymerization. 2,419,090; Apr. 15.
- Raitt, Russell W., Altadena, assignor to Geophysical Engineering Corporation, Pasadena, Calif. Transducing system. 2,418,953; Apr. 15.
- Raleigh, John F., Peshtigo, Wis. Plow jointer. 2,418,954; Apr. 15.
- Rampel, Guy, New York, N. Y. Germicidal solutions of phenyl mercury compounds. 2,418,986; Apr. 15.
- Ramsay, Duncan: *See—*
  - Simpson, Thomas, Greenland, and Ramsay.
- Raytheon Manufacturing Company, assignee: *See—*
  - Le Van, James D.
- Read, Everett C., assignor to The Filer & Stowell Co., Milwaukee, Wis. Crosshead and guide structure. 2,418,901; Apr. 15.
- Reeves-Ely Laboratories, Inc., assignee: *See—*
  - Primus, Irving S.
- Reichhold Chemicals, Inc., assignee: *See—*
  - Braidwood, Clinton A., and Hovey.
- Reid, Rose M., Boise, Idaho. Garment. 2,418,987; Apr. 15.
- Remington Arms Company, Inc., assignee: *See—*
  - Hutchinson, Gilbert E.
  - Hutchinson, Gilbert E., and Johnson.
  - Loomis, Oliver H.
  - McNally, Dana R.
- Renz, Emil K., Dedham, assignor to Knight Leather Products Co., Inc., Boston, Mass. Toilet case. 2,419,165; Apr. 15.
- Rile-Coe Filter Process, Inc., assignee: *See—*
  - Coe, Mayne R.
- Riley, Walter W.: *See—*
  - Kersenbrock, William J., and Riley.
- Ritzert, Robert W., assignor to The Egry Register Co., Dayton, Ohio. Ribbon feed mechanism for manifolding machines. 2,419,036; Apr. 15.
- Roblin, Richard O., Jr.: *See—*
  - Clapp, Richard C., and Roblin.
- Rogers, Dilworth T.: *See—*
  - McNab, John G., and Rogers.
- Rogers, Dilworth T., Pearl River, assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y. Producing pantothenic acid. 2,418,902; Apr. 15.
- Rogers, Thomas H., Jr., and R. D. Vickers, assignors to Wingfoot Corporation, Akron, Ohio. Vinylidene chloride-vinyl chloride copolymer cured with an aryl guanidine. 2,419,166; Apr. 15.
- Rosenblatt, Edgar F., East Orange, and L. Pollen, Unionville, assignors to Baker & Company, Inc., Newark, N. J. Oxidizing sulfur dioxide to sulfur trioxide. 2,418,851; Apr. 15.
- Rothstein, Herman, New York, N. Y. Adjustable mold holder. 2,418,852; Apr. 15.
- Rugeley, Edward W., and T. A. Feild, Jr., Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation. Production of reinforced composite structures. 2,418,904; Apr. 15.
- Runge, Frank E., Haddon Heights, N. J., assignor to Radio Corporation of America. Electron optical instrument with adjustable specimen support. 2,418,903; Apr. 15.
- Safford, Claude, San Diego, Calif. Fishing lure. 2,419,037; Apr. 15.
- Safir, Sidney R.: *See—*
  - Bernstein, Seymour, Baker, and Safir.
- Sage, Howard, Cleveland Heights, Ohio. Trouble lamp switch. 2,418,905; Apr. 15.
- Sampson, Frederick W., Dayton, Ohio, and G. J. Hyde, Brooklyn, N. Y., assignors to General Motors Corporation. Breech bolt retracting means. 2,418,906; Apr. 15.
- Sanders, Arthur F., Leeds, England. Compressor and compressor valve. 2,419,091; Apr. 15.
- Sanders, Marshall T., Brandywine Hundred, assignor to Atlas Powder Company, Wilmington, Del. Preparation of tartaric acid values. 2,419,038; Apr. 15.
- Sanders, Royden C., Jr.: *See—*
  - Wolff, Irving, and Sanders.
- Sanford, Cyrus, Venice, Calif. Walking edger. 2,419,167; Apr. 15.
- Sansonetti, James H.: *See—*
  - Sheaks, Carl T., and Sansonetti.
- Scarth, Virgil, Bartlesville, Okla., assignor to Phillips Petroleum Company. Extractive distillation of hydrocarbons with furfural-water mixtures. 2,419,039; Apr. 15.
- Schreiber, Frederick W., Highland Park, N. J., assignor to The Personal Products Corporation. Sanitary napkin. 2,418,907; Apr. 15.
- Schupbach, Rene M., Providence, R. I., and S. H. Kohen, Los Angeles, Calif.; said Schupbach assignor to said Kohen. Loose leaf-retaining clip for billfold assemblies. 2,419,092; Apr. 15.
- Schuster, Anton, Kirkwood, Mo. Sheathed knife. 2,419,168; Apr. 15.
- Scovill Manufacturing Company, assignee: *See—*
  - Barlow, William H.
- Scripto Inc., assignee: *See—*
  - Smith, Blanchard D.
- Segur, Daniel K., assignor to Donner-Hanna Coke Corporation, Buffalo, N. Y. Removal of muck from wash oil. 2,418,988; Apr. 15.
- Sensel, Eugene E.: *See—*
  - Pevere, Ernest F., Hatch, and Sensel.
- Shandor, Marion E., and R. Donath, Pittsburgh, Pa.; said Donath assignor to said Shandor. Filter comprising a revolvable drum containing a mass of loose filter material. 2,418,989; Apr. 15.
- Sharples, William C.: *See—*
  - Harris, Charles R., and Sharples.
- Shawcross, Roy, Salina, assignor to Aluminum Company of America, Pittsburgh, Pa. Removing foreign matter from magnesium surfaces. 2,418,955; Apr. 15.
- Sheaks, Carl T., Turtle Creek, and J. H. Sansonetti, Jeannette, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Fabricated brush holder. 2,419,169; Apr. 15.
- Sheldon, William M., Elizabeth, assignor to Pulverizing Machinery Company, Summit, N. J. Combined chipping machine and impact mill. 2,418,990; Apr. 15.
- Shell Development Company, assignee: *See—*
  - Ballard, Seaver A., and Haury.
  - Harnden, Charles W.
  - Horsley, Franz A.
  - Morris, Rupert C., and Shokal.
  - Shokal, Edward C., and Morris.
- Shoemaker, Malcolmn G., Abington, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Refrigerating apparatus in which the pressure in the crankcase of the compressor is controlled. 2,418,853; Apr. 15.
- Shokal, Edward C.: *See—*
  - Morris, Rupert C., and Shokal.
- Shokal, Edward C., Oakland, and R. C. Morris, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Polymers of unsaturated derivatives of 3-sulfolanol. 2,418,991; Apr. 15.
- Signaigo, Frank K., and C. Sly, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalytic hydrogenation of cuminic acid compounds. 2,419,093; Apr. 15.
- Silven, Herbert A., assignor to Norton Company, Worcester, Mass. Grinding machine steadyrest. 2,419,170; Apr. 15.
- Silver, Joseph R., Minneapolis, Minn., assignor of one-half to L. D. Freibert, Akron, Ohio. Locating and drilling fixture. 2,418,956; Apr. 15.
- Simmat, Eric, Wyomissing Hills, assignor to The Nolde and Horst Company, Reading, Pa. Knitted glove and making same. 2,418,957; Apr. 15.
- Simmon, Alfred, Jackson Heights, assignor to Simmon Brothers Inc., Long Island City, N. Y. Photographic camera with movable film carrier. 2,418,992; Apr. 15.
- Simmon Brothers Inc., assignee: *See—*
  - Simmon, Alfred.
- Simpson, Thomas, Kenilworth, L. S. Greenland, Weston-super-Mare, and D. Ramsay, North Wembley, assignors to H. M. Hobson Limited, London, England. Regulating device for controlling the supply of fuel. 2,419,171; Apr. 15.
- Skinner, George M., Kenmore, N. Y., assignor to National Carbon Company, Inc. Cleaning composition for removing sludge from internal combustion engines. 2,418,908; Apr. 15.
- Skinner, George M., Kenmore, N. Y., assignor to National Carbon Company, Inc. Cleaning composition for removing sludge from internal-combustion engines. 2,418,909; Apr. 15.
- Sloan, Clifford K., Thornton, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Chromite ore pigment. 2,419,094; Apr. 15.
- Slocomb, F. F., Corporation, assignee: *See—*
  - Stout, Frederick S., and Amelunxen.
- Sly, Caryl: *See—*
  - Signaigo, Frank K., and Sly.
- Smidl, Joseph J., Portland, Oreg. Slide rule cursor. 2,418,910; Apr. 15.
- Smith, Blanchard D., Atlanta, Ga., assignor to Scripto Inc. Magazine pencil. 2,418,854; Apr. 15.
- Smith, Lloyd P., Princeton, N. J., assignor to Radio Corporation of America. Electron discharge device having coupled coaxial line resonators. 2,419,172; Apr. 15.
- Smith, Ronald B., Greensburg, assignor to Elliott Company, Jeannette, Pa. Gas turbine cycle. 2,418,911; Apr. 15.
- Smith, Thurman V., Centerville, Utah. Tire inflation stand. 2,418,855; Apr. 15.
- Smith, Walter H., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Torpedo control. 2,419,173; Apr. 15.

- Snow, Henry: *See—*
  - Fletcher, Ed, and Snow.
- Socin, Francis C., St. Charles, assignor to The Rudolph Wurlitzer Company, Chicago, Ill. Piano action. 2,419,174; Apr. 15.
- Socolofsky, John F.: *See—*
  - Berger, Henry G., Crandall, and Socolofsky.
- Socony-Vacuum Oil Company, Incorporated, assignee: *See—*
  - Berger, Henry G., Crandall, and Socolofsky.
  - Gorin, Everett.
- Sonneborn, L., Sons, Inc., assignee: *See—*
  - Althouse, Harlan E.
- Soussloff, Dimitri G.: *See—*
  - Piperoux, Rene P., and Soussloff.
- Spader, Ewald G.: *See—*
  - Quinn, Joseph L., and Spader.
- Sparks, William J., Elizabeth, and R. M. Thomas, Union, N. J., assignors to Standard Oil Development Company. Interpolymer of isoolefine and polyolefine. 2,418,912; Apr. 15.
- Special Equipment Company, assignee: *See—*
  - Ewald, Mark.
- Spohrer, Gregory J., East Orange, N. J. Golf club carrier. 2,419,175; Apr. 15.
- Springfield Photo Mount Co., assignee: *See—*
  - Jolly, Oscar W.
- Squibb, E. R., & Sons, assignee: *See—*
  - Lott, William A., Losee, and O'Keeffe.
- Stacy, Thomas F., assignor to The French Oil Mill Machinery Company, Piqua, Ohio. Method of and apparatus for injection molding. 2,418,856; Apr. 15.
- Standard Oil Company, The, assignee: *See—*
  - Musselman, John M., and Lankelma.
- Standard Oil Development Company, assignee: *See—*
  - Haynes, Cecil J., and Swain.
  - Kearby, Kenneth K.
  - Krebs, Robert W.
  - McNab, John F., and Rogers.
  - Sparks, William J., and Thomas.
  - Sweeney, William J.
- Standley, George P.: *See—*
  - Burkholder, Alden H., Standley, and McLellan.
- Starnes, George F., Hickory, N. C. Voltage regulator. 2,419,176; Apr. 15.
- Steadman, Albert, Upper Montclair, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Cathode-ray tube coating. 2,419,177; Apr. 15.
- Steel City Testing Machines, Incorporated, assignee: *See—*
  - Weaver, Sara E.
- Stepanian, John, West New York, N. J. Bottle dryer. 2,419,040; Apr. 15.
- Stevens, Donald R., Ridgewood, assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Electric cable. 2,419,095; Apr. 15.
- Stewart, George R., Los Angeles, Calif. Film data projection device. 2,419,041; Apr. 15.
- Stickney, Robert S., Los Angeles, Calif. Fuel induction means for internal combustion engines. 2,419,096; Apr. 15.
- Stock, Herman, New York, N. Y. Blade chopper. 2,418,958; Apr. 15.
- Stout, Frederick S., Ardmore, Pa., and J. F. Amelunxen, New Castle, assignors to F. F. Slocomb Corporation, Wilmington, Del. Ironing machine. 2,418,913; Apr. 15.
- Stratford, Charles W., J. A. Altshuler, and D. H. Putney, assignors to Stratford Development Corporation, Kansas City, Mo. Performing catalytic vapor phase reactions. 2,418,857; Apr. 15.
- Stratford, Charles W., and D. H. Putney, assignors to Stratford Development Corporation, Kansas City, Mo. Catalytically reacting gaseous material. 2,419,097; Apr. 15.
- Stratford, Charles W., J. A. Altshuler, and D. H. Putney, assignors to Stratford Development Corporation, Kansas City, Mo. Contacting gases and vapors with cyclically moving catalyst. 2,419,098; Apr. 15.
- Stratford Development Corporation, assignee: *See—*
  - Putney, David H.
  - Stratford, Charles W., Altshuler, and Putney.
  - Stratford, Charles W., and Putney.
- Stromberg-Carlson Company, assignee: *See—*
  - Goldberg, Harold, and De Mers.
- Strong, Robert M., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric motor control for series-parallel operation. 2,419,178; Apr. 15.
- Sulphite Products Corporation, assignee: *See—*
  - Pearl, Irwin A.
- Sun Oil Company, assignee: *See—*
  - Grace, Edward J., Jr.
- Swain, Saint E.: *See—*
  - Haynes, Cecil J., and Swain.
- Sweeney Lithograph Company, Inc., assignee: *See—*
  - Watson, John.
- Sweeney, William J., Summit, N. J., assignor to Standard Oil Development Company. Making an improved gasoline. 2,418,993; Apr. 15.
- Swindle, Theodore, Atlanta, Ga. Valve rocker arm refacing machine. 2,419,179; Apr. 15.
- Taylor, Halsey W., assignor to The Halsey W. Taylor Company, Warren, Ohio. Water cooling apparatus. 2,418,994; Apr. 15.
- Taylor, Halsey W., Company, The, assignee: *See—*
  - Taylor, Halsey W.
- Teletype Corporation, assignee: *See—*
  - Gemmel, Wilbur R.
- Texas Company, The, assignee: *See—*
  - Lord, Arthur H., Jr.
  - Pevere, Ernest F., Hatch, and Sensel.
- Thacker, Ralph F., assignee, et al.: *See—*
  - Gudie, Ray W.
- Theobald, Clement W.: *See—*
  - Raasch, Maynard S., and Theobald.
- Thomas, Robert M.: *See—*
  - Sparks, William J., and Thomas.
- Thomas, Samuel E., and W. R. Guthrie, Allentown, Pa. Manufacturing long fiber into yarn. 2,418,995; Apr. 15.
- Thomas, Samuel E., and W. R. Guthrie, assignors to Lehigh Spinning Company, Allentown, Pa. Apparatus for manufacturing long fibre into yarn. 2,418,996; Apr. 15.
- Thomas, Samuel E., and W. R. Guthrie, assignors to Lehigh Spinning Company, Allentown, Pa. Apparatus for manufacturing long fiber into yarn. 2,418,997; Apr. 15.
- Thomas, Samuel E., and W. R. Guthrie, assignors to Lehigh Spinning Company, Allentown, Pa. Apparatus for manufacturing long fibre into yarn. 2,418,998; Apr. 15.
- Thurston, Jack T.: *See—*
  - Kaiser, Donald W., and Thurston.
- Thurston, Jack T., and D. W. Kaiser, Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y. Esters of ω-cyanoguanyliminodithiocarbonic acid. 2,418,959; Apr. 15.
- Tichy, Vladimir L., Cleveland, Ohio. Tendering meat. 2,418,914; Apr. 15.
- Todd, Floyd, Drexel Hill, Pa. Vacuum distillation apparatus and pressure regulator therefor. 2,419,042; Apr. 15.
- Todd, William L., Fort Thomas, Ky. Self-centering screw. 2,418,960; Apr. 15.
- Unger, Sidney, New York, assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Electric switch. 2,419,180; Apr. 15.
- Union Screen Plate Company, assignee: *See—*
  - Orton, Samuel T., Jr.
- Union Special Machine Company, assignee: *See—*
  - Fite, John W., and French.
- Union Switch and Signal Company, The, assignee: *See—*
  - Coley, James P.
- United Aircraft Corporation, assignee: *See—*
  - Allington, George H.
  - Cole, Gilmoure N., and Hopper.
- United Shoe Machinery Corporation, assignee: *See—*
  - Lawson, Robert H.
- Universal Oil Products Company, assignee: *See—*
  - Ipatieff, Vladimir, and Linn.
- Urbanski, Thaddeus, London, England. Combustible synthetic resins. 2,419,043; Apr. 15.
- Urquhart, Radcliffe M., Montgomeryville, Pa. Apparatus for making cellular masses. 2,418,858; Apr. 15.
- Van Brunt Manufacturing Company, The, assignee: *See—*
  - Hyland, William A., and Borngraeber.
- Vickers, Robert D.: *See—*
  - Rogers, Thomas H., Jr., and Vickers.
- Volk, Vladimir K., Saginaw, Mich. Adjustable shower device. 2,418,915; Apr. 15.
- Wagoner, Harvey E., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Conditioning treatment of magnesium for electroplating. 2,419,190; Apr. 15.
- Wall, Alexander C., Indianapolis, Ind., assignor to General Electric Company. Traffic recorder. 2,419,099; Apr. 15.
- Walt Disney Productions, assignee: *See—*
  - Jones, Richard.
- War, United States of America, as represented by the Secretary of, assignee: *See—*
  - Arenberg, David L.
- Warner & Swasey Company, The, assignee: *See—*
  - Clark, Robert H.
- Waters, Daniel V.: *See—*
  - Pitt, Samuel, and Waters.
- Watson, John, assignor to Sweeney Lithograph Company, Inc., Belleville, N. J. Easel for flexible posters. 2,419,181; Apr. 15.
- Weaver, Sara E., assignor to Steel City Testing Machines, Incorporated, Detroit, Mich. Machine for testing hardness of metals and other materials. 2,418,916; Apr. 15.
- Weaver, Virgil L., Greenwood, Mass., assignor to General Electric Company. Dynamometer type electrical measuring instrument. 2,419,100; Apr. 15.
- Wehner, Robert S., Port Jefferson, N. Y., assignor to Radio Corporation of America. Broad band antenna for aircraft. 2,418,961; Apr. 15.
- Wehringer, Herman H., Montclair, N. J. Rack for apparel belts or the like. 2,419,101; Apr. 15.
- Weinman, Fred, Brooks, Oreg. Electrotherapy. 2,418,917; Apr. 15.
- Wellman Engineering Company, The, assignee: *See—*
  - Hills, Harold G.

- Wells, William J., assignor to F. N. Burt Company, Inc., Buffalo, N. Y. Dispensing carton. 2,419,182; Apr. 15.
- Welp, Edward W.: *See*—
  - Bieker, Lawrence W., and Welp.
- Wendland, John A., Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill. Railway car diaphragm. 2,419,044; Apr. 15.
- Western Electric Company, Incorporated, assignee: *See*—
  - Harr, Russel E.
  - Pitt, Samuel, and Waters.
- Westinghouse Electric Corporation, assignee: *See*—
  - Alpert, Daniel.
  - Baker, Benjamin P., and Dickinson.
  - Bostwick, Myron A.
  - Cassen, Benedict, and Baker.
  - Christensen, Paul B.
  - Clifford, David G.
  - Cumming, James M.
  - Dalley, Hampton J.
  - Dorfman, Hiller D., and Freese.
  - Easley, Gilbert J.
  - Evans, George S.
  - Johns, Francis J., and Howard.
  - Packer, Lewis C.
  - Putman, Henry V., and Leonard.
  - Sheaks, Carl T., and Sansonetti.
  - Smith, Walter H.
  - Strong, Robert M.
- Whitehead, Richard H., New Haven, Conn. Setting time fuses and tool therefor. 2,419,102; Apr. 15.
- Whitehead, Richard H., New Haven, Conn. Hair spring assembly. 2,419,103; Apr. 15.
- Whittaker, Charles C., Pittsburgh, Pa. Spring-driven rotatable surgical cutter with hand pressure speed control. 2,419,045; Apr. 15.
- Wilcolater Company, The, assignee: *See*—
  - Burch, Lyndon W.
- Wilcox-Gay Corporation, assignee: *See*—
  - Gay, Paul S.
- Wilfert, Karl, Sindelfingen, and B. Barényi, Boblinger, Germany; vested in the Attorney General of the United States. Springing of motor cars with swinging half axles. 2,419,104; Apr. 15.
- Williams, Robert A., Denver, Colo. Spanner wrench for waterproof watches. 2,418,999; Apr. 15.
- Wingfoot Corporation, assignee: *See*—
  - Bricker, Carl E.
  - Clifford, Albert M.
  - Cox, Fred W.
  - Rogers, Thomas H., Jr., and Vickers.
- Wolff, Irving, and R. C. Sanders, Jr., Haddonfield, N. J., assignors to Radio Corporation of America. Frequency modulated altimeter or distance indicator. 2,419,046; Apr. 15.
- Womack, James A., Atlanta, Ga. Stand or holder for Christmas trees or the like. 2,419,183; Apr. 15.
- Wood, Pauline E., assignee, et al.: *See*—
  - Gudie, Ray W.
- Worthington Pump and Machinery Corporation, assignee: *See*—
  - Zwickl, Joseph R.
- Wurlitzer, Rudolph, Company, The, assignee: *See*—
  - Socin, Francis C.
- Wyatt, Raymond A.: *See*—
  - Frank, Clarence E., and Wyatt.
- Yankus, John V., Hyde Park, Mass. Automobile top lining. 2,418,918; Apr. 15.
- Young, Ervin M., East Orange, N. J., assignor to The Patent and Licensing Corporation, New York, N. Y. Concealing siding panel joint. 2,419,047; Apr. 15.
- Young, Raymond C., Manitowoc, Wis. Feather trimmer. 2,419,184; Apr. 15.
- Zickrick, Lyall: *See*—
  - Adams, Roy L., and Zickrick.
- Zwickl, Joseph R., East Orange, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Oil separator in a refrigeration system. 2,418,962; Apr. 15.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 15TH DAY OF APRIL, 1947

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

- Air conditioning, Method and apparatus for. G. A. Peple, Jr. Re. 22,870; Apr. 15.
- Car construction. F. Ditchfield. Re. 22,868; Apr. 15.
- Internal-combustion engine. A. M. Starr. Re. 22,871; Apr. 15.
- Printing, Process and apparatus for electronic. W. C. Huebner. Re. 22,869; Apr. 15.
- Railway car truck. G. E. Dath. Re. 22,867; Apr. 15.
- Water heater. H. B. Babson and C. A. Thomas. Re. 22,866; Apr. 15.

LIST OF DESIGN INVENTIONS

- Coat, Lady's. C. J. Tyler. 146,627; Apr. 15.
- Compact. W. B. Crane. 146,594–5; Apr. 15.
- Desk, Child's. D. Mellick. 146,612; Apr. 15.
- Dispenser, Razor blade. H. W. Karstens. 146,604; Apr. 15.
- Dress. J. Walker. 146,628–9; Apr. 15.
- Fabric, Textile. J. Binford. 146,590–1; Apr. 15.
- Fabric, Textile. G. R. Davis. 146,596; Apr. 15.
- Fabric, Textile. J. Gluck. 146,599; Apr. 15.
- Fabric, Textile. D. Kingman. 146,605–7; Apr. 15.
- Fabric, Textile. W. C. Palmer. 146,615; Apr. 15.
- Fabric, Textile. W. Peirce. 146,616–18; Apr. 15.
- Fabric, Textile. D. Rosenthal. 146,621–2; Apr. 15.
- Fabric, Textile. H. W. Wilde. 146,630–4; Apr. 15.
- Flashlight, cosmetic case and cigarette case, Combination. J. Rabinowitch. 146,619; Apr. 15.
- Frame, Spectacle. A. E. Mangold. 146,609; Apr. 15.
- Hanger, Clothes. G. F. Dixon. 146,597–8; Apr. 15.
- Hanger, Clothes. L. Sanders. 146,623; Apr. 15.
- Holder for decanter and glasses, Combined. P. Blume. 146,592; Apr. 15.
- House. R. L. Townsend. 146,625; Apr. 15.
- Housing, Projection lamp. J. O. Reinecke. 146,620; Apr. 15.
- Press, Drill. J. M. Little. 146,608; Apr. 15.
- Sled or the like, Snow. J. L. Turner. 146,626; Apr. 15.
- Sweater or similar article. A. Naidish. 146,613; Apr. 15.
- Teapot or similar article. J. Brunetti. 146,593; Apr. 15.
- Temple for spectacles. B. Jaffe. 146,601–3; Apr. 15.
- Tool, Combination fish scaling and cutting. A. Pelka and O. A. Nylund. 146,614; Apr. 15.
- Toy chest and table, Child's combined. D. Mellick. 146,611; Apr. 15.
- Toy chest, Child's. D. Mellick. 146,610; Apr. 15.
- Vanity and radio or similar article, Combination. J. J. Swartzmiller. 146,624; Apr. 15.
- Vase. J. Gmeindl. 146,600; Apr. 15.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 15th DAY OF APRIL, 1947

Note—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acid, Producing pantothenic. D. T. Rogers. 2,418,902; Apr. 15.
Activator for butadiene-1,3-emulsion polymerization, Silver nitrate. L. W. Rainard. 2,419,090; Apr. 15.
Adjustable mold holder. H. Rothstein. 2,418,852; Apr. 15.
Aeroelectric valve. C. A. Chalfant and W. Langston. 2,419,117; Apr. 15.
Aeroplanes when in flight, Controlling. H. L. Pitt. 2,419,161; Apr. 15.
Agricultural implement. G. H. Gascoigne and J. A. Kingston. 2,419,015; Apr. 15.
Alkali silicate, Coating with. C. E. Kraus. 2,419,080; Apr. 15.
Alkyl ketones to form condensation thereof, Treatment of. V. N. Ipatieff and C. B. Linn. 2,419,142; Apr. 15.
Altimeter or distance indicator, Frequency modulated. I. Wolff and R. C. Sanders, Jr. 2,419,046; Apr. 15.
Anchoring means for abrasive disks. R. H. Homeyer. 2,418,883; Apr. 15.
Antenna for aircraft, Broad band. R. S. Wehner. 2,418,961; Apr. 15.
Antiseize and sealing compound. J. P. Kelly. 2,419,144; Apr. 15.
Antiskid device. J. E. Allan. 2,419,105; Apr. 15.
Apparatus for attenuating thermoplastic materials. E. Fletcher and H. Snow. 2,418,873; Apr. 15.
Apparatus for collecting fluid samples. E. J. Grace, Jr. 2,418,876; Apr. 15.
Apparatus for drawing flat metal blanks into shells. H. H. Gary, Jr. 2,418,874; Apr. 15.
Apparatus for grinding bushings. P. F. Danielson. 2,418,871; Apr. 15.
Apparatus for high-frequency induction heating of strips. B. Cassen and R. M. Baker. 2,419,116; Apr. 15.
Apparatus for lapping quartz oscillator plates. I. S. Primus. 2,419,033; Apr. 15.
Apparatus for making cellular masses. R. M. Urquhart. 2,418,858; Apr. 15.
Apparatus for making cord and the like. A. H. Burkholder, G. P. Standley, and K. M. McLellan. 2,419,055; Apr. 15.
Apparatus for manufacturing long fibre into yarn. S. E. Thomas and W. R. Guthrie. 2,418,996–8; Apr. 15.
Apparatus for molding wire core temples. A. J. Desimone. 2,418,823; Apr. 15.
Apparatus for the hydraulic transmission of power. C. P. R. De Villiers. 2,419,059; Apr. 15.
Apparatus for treating and storing meat. P. B. Christensen. 2,419,119; Apr. 15.
Apparatus for treating sheet material. M. J. Friedman. 2,419,132; Apr. 15.
Bactericide and algaecide. C. W. Harnden. 2,419,021; Apr. 15.
Base, Mold. I. T. Quarnstrom. 2,419,089; Apr. 15.
Beachcombing apparatus. T. L. O'Brien. 2,419,154; Apr. 15.
Beam structure, Brake. E. E. Busse. 2,419,115; Apr. 15.
Beam structure, Divided tube metal. R. R. Glassbrook. 2,418,929; Apr. 15.
Bearing: *See*—
  Roller bearing.
  Sintered aluminum bearing.
Bearing and seal therefor. I. S. Primus. 2,419,034; Apr. 15.
Bed lamp. L. C. Gustafson. 2,418,877; Apr. 15.
Bell, Alternating current electric. F. G. Barber. 2,418,863; Apr. 15.
Bindings, Blanket. D. M. Irwin. 2,418,886; Apr. 15.
Blower control. W. A. Haugsted. 2,418,835; Apr. 15.
Board: *See*—
  Sewing machine table board.
Boiler: *See*—
  Steam boiler.
Bolt retracting means, Breech. F. W. Sampson and G. J. Hyde. 2,418,906; Apr. 15.
Booster brake. C. E. Bricker. 2,419,113; Apr. 15.
Bottle dryer. J. Stepanian. 2,419,040; Apr. 15.
Brace, Ladder. V. M. Fowler. 2,419,065; Apr. 15.
Bracket and support, Interlocked. F. Crouch. 2,418,968; Apr. 15.
Brake: *See*—
  Booster brake.
Brake. H. Perrot. 2,418,848; Apr. 15.
Bromopyridines, Production of. S. M. McElvain and M. A. Goese. 2,418,977; Apr. 15.
Bucket and closure, Cable controlled boom. J. H. Fitzgerald. 2,419,129; Apr. 15.
Buoyant electric cable. C. E. Bennett. 2,419,053; Apr. 15.
Cable: *See*—
  Buoyant electric cable.
  Electric cable.
Cadmium seleno-cyanide, Production of. L. F. Nerlinger. 2,419,027; Apr. 15.
Calcium tartrate recovery process. R. A. Hales. 2,419,020; Apr. 15.
Calculating device. C. L. Ludwig. 2,418,948; Apr. 15.
Calculating instrument, Navigational. E. Hill. 2,418,933; Apr. 15.
Camera with movable film carrier, Photographic. A. Simmon. 2,418,992; Apr. 15.
Car diaphragm, Railway. J. A. Wendland. 2,419,044; Apr. 15.
Cars with swinging half axles, Springing of motor. K. Wilfert and B. Barényi. 2,419,104; Apr. 15.
Carbohydrates to tartaric acid, Continuous oxidizing. R. A. Hales. 2,419,019; Apr. 15.
Carbonaceous deposits, Removal of. F. A. Horsley. 2,419,076; Apr. 15.
Carriage and the like, Baby. G. H. S. Holmström. 2,419,023; Apr. 15.
Carrier: *See*—
  Golf club carrier.
Carton, Dispensing. W. J. Wells. 2,419,182; Apr. 15.
Case: *See*—
  Engine shipping case.
  Toilet case.
  Key case.
Castor oil, Processing of. G. F. Coggins and J. F. Ahearn. 2,418,819; Apr. 15.
Catalysts, Dehydrogenation. K. K. Kearby. 2,418,888–9; Apr. 15.
Cell, Lubricating oil. R. B. Gray and J. C. De Weese. 2,419,016; Apr. 15.
Charging system for networks, Nonlinear. H. Goldberg and E. F. De Mers. 2,418,875; Apr. 15.
Chemical process and compounds therefrom. W. E. Hanford and J. Harmon. 2,418,832; Apr. 15.
Chemical process and product. M. S. Raasch and C. W. Theobald. 2,418,850; Apr. 15.
Chlorine manufacture. E. Gorin. 2,418,930; Apr. 15.
Chocking means. J. G. Binney. 2,419,110; Apr. 15.
Chopper, Blade. H. Stock. 2,418,958; Apr. 15.
Chrysene, Recovery of. G. W. Curtis. 2,419,011; Apr. 15.
Circuit: *See*—
  Multivibrator circuit.
  Radiator detector quenching circuit.
Circuit breaker. H. D. Dorfman and G. J. Freese. 2,419,125; Apr 15.
Circuit breaker. G. J. Easley. 2,419,127; Apr. 15.
Circuit breaker, Oil. B. P. Baker and R. C. Dickinson. 2,419,106; Apr. 15.
Circuit for radio locators, Comparator. W. R. Mercer. 2,419,025; Apr. 15.
Circuit for sound recording systems, Noise reduction amplifier. A. Badmaieff. 2,419,001; Apr. 15.
Circuit interrupter. J. M. Cumming. 2,419,123; Apr. 15.
Classifier, Plural stage hydraulic. W. H. Coghill and G. D. Coe. 2,418,821; Apr. 15.
Cleaning composition for removing sludge from internal-combustion engines. G. M. Skinner. 2,418,908–9; Apr. 15.
Cleaning machine. C. Hirsch. 2,418,934; Apr. 15.
Clip: *See*—
  Fuse terminal clip.
Clip for billfold assemblies, Loose leaf-retaining. R. M. Schupbach and S. H. Kohen. 2,419,092; Apr. 15.
Closure flaps, Valve. H. M. Johnson. 2,418,975; Apr. 15.
Closure for refrigerated lockers, Insulated. W. M. Baird. 2,419,002; Apr. 15.
Coated articles, Making enamel. R. E. Harr. 2,418,932; Apr. 15.
Coating apparatus, Strip. A. C. Grunke and E. R. Muddiman. 2,419,070; Apr. 15.
Coating composition, Fire-resistant. M. Leatherman. 2,418,843; Apr. 15.
Coating or sizing treatment of yarns. H. Freund. 2,418,927; Apr. 15.
Coffee compositions. F. Pollack. 2,419,031; Apr. 15.
Collector, Stone. J. H. Booth. 2,418,924; Apr. 15.
Colloidal dispersions of a rubberlike reaction product of an inorganic polysulfide and an olefin dihalide, Making. J. Edwardes. 2,419,060; Apr. 15.
Composite structures, Production of reinforced. E. W. Rugeley and T. A. Feild, Jr. 2,418,904; Apr. 15.
Compressor and compressor valve. A. F. Sanders. 2,419,091; Apr. 15.
Concealing siding panel joint. E. M. Young. 2,419,047; Apr. 15.

Connecter: *See*—
  Electrical connecter.
Connecting and mutually insulating spaced metal elements, Electrical method of mechanically. E. Lodwig. 2,419,149; Apr. 15.
Connector: *See*—
  Electrical connector.
Connector. R. W. Gudie. 2,419,018; Apr. 15.
Contact element. R. L. Adams and L. Zickrick. 2,418,811; Apr. 15.
Contact element. P. L. Alger. 2,418,810; Apr. 15.
Contact element. F. Girvin. 2,418,812; Apr. 15.
Contacting apparatus. E. J. Houdry. 2,418,837; Apr. 15.
Control mechanism, Drive. G. J. Huebner, Jr. 2,418,838; Apr. 15.
Cooking apparatus, Electrical. J. W. Myers. 2,419,083; Apr. 15.
Cooling apparatus, Water. H. W. Taylor. 2,418,994; Apr. 15.
Copolymers of alkyl aconitates and vinyl chloride. F. W. Cox. 2,419,122; Apr. 15.
Covering for the board of ironing tables. S. A. Di Gesare. 2,418,969; Apr. 15.
Cowl fastener. W. H. Barlow. 2,419,108; Apr. 15.
Crane, Retracting boom. H. G. Hills. 2,419,138; Apr. 15.
Crate, Collapsible. W. F. Newhouse. 2,419,026; Apr. 15.
Creeping mechanism for power shovels. G. G. Morin. 2,418,897; Apr. 15.
Crosshead and guide structure. E. C. Read. 2,418,901; Apr. 15.
Cups, Method of and apparatus for making. R. P. Piperoux and D. G. Soussloff. 2,418,900; Apr. 15.
Curtain rod mounting. J. Jacqué. 2,419,140; Apr. 15.
Cutter for machine tools. H. F. Messenger. 2,419,081; Apr. 15.
Cutter with hand pressure speed control, Spring-driven rotatable surgical. C. C. Whittaker. 2,419,045; Apr. 15.
Cylinder lock. R. H. Ducey. 2,419,013; Apr. 15.
Data projection device, Film. G. R. Stewart. 2,419,041; Apr. 15.
Dental articulator. C. E. D'Essen. 2,418,824; Apr. 15.
Denture. S. and M. Myerson. 2,419,084; Apr. 15.
Denture, Laminated. Le M. W. Harris and L. W. Colton. 2,418,833; Apr. 15.
Detection system, Submarine. L. A. Meacham. 2,418,846; Apr. 15.
Detector, Thermionic energy. H. I. Becker. 2,419,052; Apr. 15.
Device for cleaning pipe lines. C. J. Haynes and S. E. Swain. 2,418,880; Apr. 15.
Device for introducing motion into sealed instruments. F. D. Herbert, Jr. 2,419,074; Apr. 15.
Dielectric. G. F. Coggins and J. F. Ahearn. 2,418,820; Apr. 15.
Dispensing machine. N. D. Ashwood. 2,419,050; Apr. 15.
Distillation apparatus and pressure therefor, Vacuum. F. Todd. 2,419,042; Apr. 15.
Drafting device for drawing projections. J. T. Ivy. 2,419,078; Apr. 15.
Drafting instrument. G. C. and M. T. Abruzzi. 2,418,860; Apr. 15.
Drawer and rack, Combined. J. H. Benson. 2,418,919; Apr. 15.
Drier: *See*—
  Bottle drier.
Drum, Sanding. T. L. Bonkowski. 2,418,966; Apr. 15.
Dryer: *See*—
  Bottle dryer.
Dyes and manufacturing the same, Black sulfur. N. M. Bigelow. 2,418,816; Apr. 15.
Easel for flexible posters. J. Watson. 2,419,181; Apr. 15.
Electric cable. C. E. Bennett. 2,419,054; Apr. 15.
Electric cable. D. R. Stevens. 2,419,095; Apr. 15.
Electric switch. C. I. Hall. 2,419,072; Apr. 15.
Electric switch. J. C. Hamilton. 2,418,831; Apr. 15.
Electric switch. S. Unger. 2,419,180; Apr. 15.
Electrical connector. K. J. Mosebach. 2,419,152; Apr. 15.
Electromagnet. C. I. Hall. 2,419,071; Apr. 15.
Electromechanical apparatus. D. L. Arenberg. 2,418,964; Apr. 15.
Electromechanical device. H. Fuchs. 2,419,014; Apr. 15.
Electron discharge device having coupled coaxial line resonators. L. P. Smith. 2,419,172; Apr. 15.
Electrotherapy. F. Weinman. 2,418,917; Apr. 15.
Engine: *See*—
  Internal-combustion engine.
Engine. C. E. Frank and R. A. Wyatt. 2,419,066; Apr. 15.
Engine shipping case. G. H. Allington. 2,418,861; Apr. 15.
Engine shipping case. G. N. Cole and F. H. Hopper. 2,418,868; Apr. 15.
Esters of w-cyanoguanyliminodithio-carbonic acid. J. T. Thurston and D. W. Kaiser. 2,418,959; Apr. 15.
Ethers of cyclic sulfones, Unsaturated. R. C. Morris and E. C. Shokal. 2,419,082; Apr. 15.
Ethylenebisiminodiacetic acid and salts thereof, Preparation of. E. G. Parry. 2,419,157; Apr. 15.
Evacuating device, Gas. J. B. Brandt, Jr. 2,419,112; Apr. 15.
Expansible honing tool. J. Gazolas. 2,419,067; Apr. 15.
Eyepiece unit for telescopic systems of the class including binoculars. J. R. Miles. 2,419,151; Apr. 15.
Fabric stencils, Producing mesh. E. O. Norris. 2,419,028; Apr. 15.
Fabricated brush holder. C. T. Sheaks and J. H. Sansonetti. 2,419,169; Apr. 15.
Fastener: *See*—
  Cowl fastener.
Fastener device, Rope. G. J. Houston. 2,418,885; Apr. 15.
Feed mechanism for manifolding machines, Ribbon. R. W. Ritzert. 2,419,036; Apr. 15.
Fiber in to yarn, Manufacturing long. S. E. Thomas and W. R. Guthrie. 2,418,995; Apr. 15.
Filter comprising a revolvable drum containing a mass of loose filter material. M. E. Shandor and R. Donath. 2,418,989; Apr. 15.
Fire hydrant, Portable. A. H. Benson. 2,418,808; Apr. 15.
Fishing lure. C. Safford. 2,419,037; Apr. 15.
Fitting, Pipe. T. G. Griffin. 2,419,069; Apr. 15.
5-keto-2,4,6,8-tetrahydroimidazolo [4,5-c] thiophenes and preparing same. S. Bernstein, B. R. Baker, and S. R. Safir. 2,418,923; Apr. 15.
Fluorescent fixture. K. L. Francis. 2,418,926; Apr. 15.
Folding garment hanger. F. A. Crowder. 2,418,870; Apr. 15.
Frame: *See*—
  Picture frame.
Fuel conditioning means. H. B. Holthouse. 2,418,882; Apr. 15.
Furnace: *See*—
  Recuperative heat-treatment furnace.
Fuse terminal clip. P. M. Christensen. 2,419,007; Apr. 15.
Fuses and tool therefor, Setting time. R. H. Whitehead. 2,419,102; Apr. 15.
Gage: *See*—
  Pressure operated electric strain gage.
Gaging, ejecting, and refeed mechanism for die presses. D. R. McNally. 2,418,949; Apr. 15.
Game. W. Ashworth. 2,419,000; Apr. 15.
Garment. R. M. Reid. 2,418,987; Apr. 15.
Garment, Convertible athletic. L. Mintzes. 2,418,979; Apr. 15.
Gaseous material, Catalytically reacting. C. W. Stratford and D. H. Putney. 2,419,097; Apr. 15.
Gases and vapors with cyclically moving catalyst, Contacting. C. W. Stratford, J. A. Altshuler, and D. H. Putney. 2,419,098; Apr. 15.
Gasoline, Making an improved. W. J. Sweeney. 2,418,993; Apr. 15.
Gauge: *See*—
  Pressure operated electric strain gauge.
Germicidal solutions of phenyl mercury compounds. G. Rampel. 2,418,986; Apr. 15.
Glove and making same, Knitted. E. Simmat. 2,418,957; Apr. 15.
Glove, Convertible. W. Jones. 2,418,887; Apr. 15.
Glue, Vegetable. G. G. Pierson. 2,419,160; Apr. 15.
Glycerides, Reconstitution of. J. F. Murphy and E. K. Holt. 2,418,898; Apr. 15.
Golf club carrier. G. J. Spohrer. 2,419,175; Apr. 15.
Guanides and their preparation. D. W. Kaiser and J. T. Thurston. 2,418,944; Apr. 15.
Gyroscope control. F. Fischer. 2,419,063; Apr. 15.
Hairspring assembly. R. H. Whitehead. 2,419,103; Apr. 15.
Halogens, Recovery of. E. Gorin. 2,418,931; Apr. 15.
Hanger: *See*—
  Folding garment hanger.
Heat responsive device having separate minimum flame and normal flame responsive elements. L. W. Burch. 2,418,867; Apr. 15.
Heater: *See*—
  Water heater.
Heating, Fluid. C. B. Baver. 2,418,815; Apr. 15.
Heel, Rubber. A. Monti. 2,418,896; Apr. 15.
Hemming attachment for automatic feeding and sewing machine. H. Gensheimer. 2,419,068; Apr. 15.
High-frequency wave meter. O. E. Dow. 2,419,126; Apr. 15.
Hoist. W. J. Kersenbrock and W. W. Riley. 2,419,145; Apr. 15.
Holder: *See*—
  Adjustable mold holder.
  Fabricated brush holder.
Holder and shield, Electrode. R. K. Hopkins. 2,419,139; Apr. 15.
Housing, Generator control device. L. H. Middleton. 2,418,895; Apr. 15.
Hydraulic drill press. J. W. Karweit. 2,418,840–1; Apr. 15.
Hydrocarbon oils, Purifying. C. O. Hoover. 2,418,884; Apr. 15.

Hydrocarbons, Desulfurizing and reforming. G. G. Oberfell. 2,419,029; Apr. 15.
Hydrocarbons, Stripping of spent catalyst particles in the catalytic conversion of. R. W. Krebe. 2,418,890; Apr. 15.
Hydrocarbons, Synthesis of. E. F. Pevere, G. B. Hatch, and E. E. Sensel. 2,418,899; Apr. 15.
Hydrocarbons with furfural-water mixtures, Extractive distillation of. V. Scarth. 2,419,039; Apr. 15.
Hydrogenation of cuminic acid compounds, Catalytic. F. K. Signaigo and C. Sly. 2,419,093; Apr. 15.
Hydrolysis of acetone auto-condensation products. S. A. Ballard and V. E. Haury. 2,419,051; Apr. 15.
Indicator: *See*—
  Locator and position indicator.
  Machine tool cutting speed indicator.
Induction means for internal-combustion engines, Fuel. R. S. Stickney. 2,419,096; Apr. 15.
Instruments on airplanes, Arrangement of electrical. L. Gouy. 2,418,830; Apr. 15.
Insulating means for metallic spacers in electron discharge devices. H. J. Dailey. 2,419,124; Apr. 15.
Interpolymer of isoolefine and polyolefine. W. J. Sparks and R. M. Thomas. 2,418,912; Apr. 15.
Iron and iron alloys, Electrolytically depositing. L. J. Donroe. 2,418,970; Apr. 15.
Ironing machine. F. S. Stout and J. F. Amelunxen. 2,418,913; Apr. 15.
Iso-olefins, Carboxylation of. T. A. Ford. 2,419,131; Apr. 15.
Iso-paraffins in hydrocarbon mixtures, Determining. G. W. Ayers and E. E. Harton, Jr. 2,418,814; Apr. 15.
Joint: *See*—
  Concealing siding panel joint.
Jointer, Plow. J. F. Raleigh. 2,418,954; Apr. 15.
Key case. B. H. Kaminer. 2,418,945; Apr. 1.
Knife, Sheathed. A. Schuster. 2,419,168; Apr. 15.
Knife, Skin grafting. T. W. Briegel. 2,419,114; Apr. 15.
Ladder, Convertible. J. S. Anderson. 2,418,862; Apr. 15.
Lamp: *See*—
  Bed lamp.
Lathe dog. R. W. Barggren. 2,418,864; Apr. 15.
Link for slat shades. H. Baldwin. 2,419,107; Apr. 15.
Locating and drilling fixture. J. R. Silver. 2,418,956; Apr. 15.
Locator and position indicator. T. R. Pope, Sr. 2,419,162; Apr. 15.
Locator utilizable in forming metal articles. N. Hall. 2,419,134; Apr. 15.
Lock: *See*—
  Cylinder lock.
  Tire bead lock.
Lock for firearms, Breech bolt. O. H. Loomis. 2,418,946; Apr. 15.
Lubricant and the like. J. M. Musselman and H. P. Lankelma. 2,419,153; Apr. 15.
Machine and impact mill, Combined chipping. W. M. Sheldon. 2,418,990; Apr. 15.
Machine for operating upon shoes. R. H. Lawson. 2,418,891; Apr. 15.
Machine for stemming, splitting, peeling, and coring pears. M. Ewald. 2,418,827; Apr. 15.
Machine for treating hardness of metals and other materials. S. E. Weaver. 2,418,916; Apr. 15.
Machine steadyrest, Grinding. H. A. Silven. 2,419,170; Apr. 15.
Machine tool cutting speed indicator. R. H. Clark. 2,419,120; Apr. 15.
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Mandrel, Honing. A. F. Hasty. 2,419,136; Apr. 15.
Marker and cultivator, Circular row. C. H. Newsom. 2,419,085; Apr. 15.
Massager, Scalp. E. E. Farley. 2,419,062; Apr. 15.
Material and cover thereby, Packaging. M. R. Coe. 2,418,818; Apr. 15.
Matter from magnesium surfaces, Removing foreign. R. Shawcross. 2,418,955; Apr. 15.
Measuring instrument, Dynamometer type electrical. V. L. Weaver. 2,419,100; Apr. 15.
Meat, Tendering. V. L. Tichy. 2,418,914; Apr. 15.
Mercury vapor tube. G. S. Evans. 2,419,128; Apr. 15.
Meter: *See*—
  High-frequency wave meter.
Methyl methacrylate, Polymerization of. D. A. Fletcher and F. L. Johnston. 2,418,828; Apr. 15.
Mica splitting process and apparatus. H. H. Burton. 2,419,056; Apr. 15.
Mixer: *See*—
  Rocking mixer.
Molding, Method of and apparatus for injection. T. F. Stacy. 2,418,856; Apr. 15.
Motion, Reproducing. J. D. Peterson and P. F. Bechberger. 2,419,087; Apr. 15.
Motor: *See*—
  Rotary motor.
Motor. L. C. Packer. 2,419,156; Apr. 15.
Motor control. F. J. Johns and H. W. Howard. 2,419,141; Apr. 15.
Motor control for series-parallel operation, Electric. R. M. Strong. 2,419,178; Apr. 15.
Mounting: *See*—
  Curtain rod mounting.
Muck from wash oil, Removal of. D. K. Segur. 2,418,988; Apr. 15.
Multivibrator circuit. O. D. Engstrom. 2,418,826; Apr. 15.
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Oil, Compounded lubricating. J. G. McNab and D. T. Rogers. 2,418,894; Apr. 15.
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Optical instrument with adjustable specimen support, Electron. F. E. Runge. 2,418,903; Apr. 15.
Oscillator, Relaxation. O. D. Engstrom. 2,418,825; Apr. 15.
Oscillator, Scanning. B. J. Kinsburg. 2,418,842; Apr. 15.
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Parasites in soil, Controlling. O. H. Hammer. 2,419,073; Apr. 15.
Pectinates, Preparing. E. F. Bryant. 2,418,865–6; Apr. 15.
Pencil, Magazine. B. D. Smith. 2,418,854; Apr. 15.
Piano action. F. C. Socin. 2,419,174; Apr. 15.
Picture frame. O. W. Jolly. 2,419,187; Apr. 15.
Pigment, Chromite ore. C. K. Sloan. 2,419,094; Apr. 15.
Pigment, Metal protective. G. Grimm. 2,419,017; Apr. 15.
Pin mechanism, Register. R. Jones. 2,418,943; Apr. 15.
Pistol trainer. L. De Florez. 2,418,822; Apr. 15.
Plate, Wood pulp screen. S. T. Orton, Jr. 2,419,155; Apr. 15.
Polymeric compounds and producing the same, Sulfur-containing. E. F. Izard. 2,418,939; Apr. 15.
Polymeric compounds, Sulfur-containing. E. F. Izard. 2,418,938; Apr. 15.
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Polymers of unsaturated derivatives of 3-sulfolanol. E. C. Shokal and R. C. Morris. 2,418,991; Apr. 15.
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Powders, Manufacture of molding. J. L. Quinn and E. G. Spader. 2,419,035; Apr. 15.
Press: *See*—
  Hydraulic drill press.
Pressure operated electric strain gage. A. H. Emery. 2,419,061; Apr. 15.
Proportioning device. C. A. Posey. 2,418,985; Apr. 15.
Pulverizer and seeder, Soil. W. A. Hyland and R. R. Borngraeber. 2,418,937; Apr. 15.
Pump-motor-heater, Combination. A. R. Pezzillo. 2,419,159; Apr. 15.
Pump with vapor separating means, Booster. E. J. Kimm and B. R. Bellmann. 2,419,146; Apr. 15.
Pyrolysis of hydrocarbons to produce olefines. J. H. Haslam. 2,418,879; Apr. 15.
Rack for apparel belts or the like. H. H. Wehringer. 2,419,101; Apr. 15.
Radiator detector quenching circuit. A. H. Lord, Jr. 2,418,892; Apr. 15.
Radio compass demonstrator, Automatic. L. S. Hartman. 2,418,834; Apr. 15.
Radio viewing system. H. A. Iams. 2,419,024; Apr. 15.
Reactants with catalytic material, Contacting. D. H. Putney. 2,419,088; Apr. 15.
Receptacle: *See*—
  Reinforced receptacle.
Receptacle and ladder, Garbage. T. R. Pope, Sr. 2,419,163; Apr. 15.
Recorder, Traffic. A. C. Wall. 2,419,099; Apr. 15.
Recording system, Remote. B. K. Hawes. 2,418,836; Apr. 15.
Recuperative heat-treatment furnace. R. D. Palmer. 2,418,983; Apr. 15.
Refacing machine, Valve rocker arm. T. Swindle. 2,419,179; Apr. 15.
Refrigerating apparatus in which the pressure in the crankcase of the compressor is controlled. M. G. Shoemaker. 2,418,853; Apr. 15.
Regulating device for controlling the supply of fuel to internal-combustion engines. T. Simpson, L. S. Greenland, and D. Ramsay. 2,419,171; Apr. 15.
Regulator: *See*—
  Voltage regulator.
Reinforced receptacle. W. G. Anderson, Jr. 2,418,963; Apr. 15.
Relay, Electrostatic. M. A. Bostwick. 2,419,111; Apr. 15.
Relay, Sequence. H. C. Pratt. 2,419,032; Apr. 15.
Relief valve. O. A. Keble. 2,419,143; Apr. 15.
Repellents, Diffusing. R. H. Harkins. 2,418,878; Apr. 15.

Resins, Combustible synthetic. T. Urbanski. 2,419,043; Apr. 15.
Rocking mixer. J. C. O'Connor. 2,418,982; Apr. 15.
Roller bearing. C. A. Ablett. 2,418,859; Apr. 15.
Rosin, Polymerization of. C. A. Braidwood and A. G. Hovey. 2,419,185; Apr. 15.
Rotor assembly, Dynamoelectric machine. W. J. Morrill. 2,418,980; Apr. 15.
Rotary motor. C. W. Gibbs. 2,418,829; Apr. 15.
Rule cursor, Slide. J. J. Smidl. 2,418,910; Apr. 15.
Safety device for fire extinguisher valves. J. H. Cantlin. 2,418,817; Apr. 15.
Safety device, Optical. J. A. Long. 2,418,845; Apr. 15.
Sanitary napkin. F. W. Schreiber. 2,418,907; Apr. 15.
Scraper. W. R. Anderson. 2,418,813; Apr. 15.
Screw, Self-centering. W. L. Todd. 2,418,960; Apr. 15.
Sealing device. C. H. Jaxtheimer. 2,419,079; Apr. 15.
Selector and calibrator, Frequency. P. S. Gay. 2,418,972; Apr. 15.
Separator in a refrigeration system, Oil. J. R. Zwickl. 2,418,962; Apr. 15.
Serrating tool. R. E. Morrissette. 2,419,189; Apr. 15.
Settling tank. J. A. Montgomery. 2,418,950; Apr. 15.
Sewing machine. B. Bryson. 2,419,006; Apr. 15.
Sewing machine table board. J. W. Fite and P. M. French. 2,419,064; Apr. 15.
Shaker and dispensing container therefor, Toilet powder. E. A. Poillon. 2,418,952; Apr. 15.
Shield, Sand-blast. P. F. McCormack. 2,418,893; Apr. 15.
Shower device, Adjustable. V. K. Volk. 2,418,915; Apr. 15.
Signalling system for railways and the like, Coded track circuit. J. P. Coley. 2,418,869; Apr. 15.
Sintered aluminum bearing. F. R. Hensel and E. I. Larsen. 2,418,881; Apr. 15.
Slab connection. J. N. Heltzel. 2,419,022; Apr. 15.
Snap switch. G. Blair. 2,418,965; Apr. 15.
Sodium tripolyphosphate, Manufacture of. C. S. King. 2,419,147–8; Apr. 15.
Spindle reciprocating mechanism, Grinding. C. G. Flygare and C. C. Alvord. 2,419,130; Apr. 15.
Stand: *See*—
  Tire inflation stand.
Stand or holder for Christmas trees or the like. J. A. Womack. 2,419,183; Apr. 15.
Steam boiler. N. M. Lower. 2,419,150; Apr. 15.
Steel articles, Treatment of. G. E. Hutchinson. 2,418,935; Apr. 15.
Steering apparatus. H. V. Putman and M. G. Leonard. 2,419,164; Apr. 15.
Stick for looms, Picker. D. L. Norris, Sr., and W. N. Cundiff. 2,419,086; Apr. 15.
Strip material, Method and apparatus for vulcanizing. G. D. Marcy. 2,418,976; Apr. 15.
Sulfur dioxide to sulfur trioxide, Oxidizing. E. F. Rosenblatt and L. Pollen. 2,418,851; Apr. 15.
Switch: *See*—
  Electric switch.
  Snap switch.
  Time operated switch.
  Trouble lamp switch.
Synchronizing and beam blanking device, Sweep. P. S. Christaldi and J. R. Banker. 2,419,118; Apr. 15.
Synchronizing system for a plurality of rotating machines, Polyphase speed. F. E. Crever. 2,419,058; Apr. 15.
Tank: *See*—
  Settling tank.
Tank structure for liquid treatment. L. W. Bieker and E. W. Welp. 2,419,004; Apr. 15.
Tanning material from waste sulfite liquor, Producing. O. A. Muller. 2,418,981; Apr. 15.
Target manufacture. G. E. Hutchinson and A. A. Johnson. 2,418,936; Apr. 15.
Tartaric acid values, Preparation of. M. T. Sanders. 2,419,038; Apr. 15.
Taste and odor in glycollic acid, Inhibiting. H. C. Hetherington. 2,419,137; Apr. 15.
Telegraph system and apparatus for selective single or double channel operation. W. R. Gemmel. 2,418,928; Apr. 15.
Test prod, Duplex indicating. T. R. Fisher. 2,418,872; Apr. 15.
Thickener. H. Hardinge. 2,418,973; Apr. 15.
Thiourea derivatives of polymeric compounds. E. F. Izard and B. W. Howk. 2,418,941; Apr. 15.
Ticket machine. C. Dodegge. 2,419,012; Apr. 15.
Tile. A Bochot. 2,419,005; Apr. 15.
Time operated switch. S. G. Isserstedt. 2,419,077; Apr. 15.
Tire bead lock. F. Herzegh. 2,419,075; Apr. 15.
Tire demounting device. W. Polt. 2,418,849; Apr. 15.
Tire inflation stand. T. V. Smith. 2,418,855; Apr. 15.
Tobacco, Treatment of. A. J. Berger and H. S. Greene. 2,419,109; Apr. 15.
Toilet case. E. K. Renz. 2,419,165; Apr. 15.
Tool: *See*—
  Expansible honing tool.
  Serrating tool.
Tool for punching metal roofing. E. Payne. 2,418,984; Apr. 15.
Top lining, Automobile. J. V. Yankus. 2,418,918; Apr. 15.
Torpedo control. W. H. Smith. 2,419,173; Apr. 15.
Toy. A. and K. Berndt. 2,418,922; Apr. 15.
Transducing system. R. W. Raitt. 2,418,953; Apr. 15.
Transmission system, Wave. W. J. Albersheim. 2,418,809; Apr. 15.
Trimmer, Feather. R. C. Young. 2,419,184; Apr. 15.
Trouble lamp switch. H. Sage. 2,418,905; Apr. 15.
Truck, Car. B. J. Milleville. 2,419,188; Apr. 15.
Tube: *See*—
  Mercury vapor tube.
  Ultra high frequency tube.
Tube coating, Cathode-ray. A. Steadman. 2,419,177; Apr. 15.
Tubes, Method and apparatus for forming flexible. N. R. Henry. 2,418,974; Apr. 15.
Tuner for cavity resonators, Wide range. R. S. Julian. 2,418,839; Apr. 15.
Tuning means for cavity resonators. D. G. Clifford. 2,419,121; Apr. 15.
Turbine cycle, Gas R. B. Smith. 2,418,911; Apr. 15.
2,3-dimethylbutadiene-1,3, Production of. J. A. Otto and A. E. Anderson. 2,419,030; Apr. 15.
Ultra high frequency amplifying system. C. W. Hansell. 2,419,135; Apr. 15.
Ultra high frequency tube. J. D. Le Van. 2,418,844; Apr. 15.
Ureylene carbocyclic compounds and their preparation. R. C. Clapp and R. O. Roblin, Jr. 2,418,925; Apr. 15.
Valve: *See*—
  Aeroelectric valve.
  Relief valve.
Vanillic acid (silver oxide process), Production of. I. A. Pearl. 2,419,158; Apr. 15.
Vapor phase reactions, Performing catalytic. C. W. Stratford, J. A. Altshuler and D. H. Putney. 2,418,857; Apr. 15.
Vinyl cyanide, Manufacture of. C. R. Harris and W. C. Sharples. 2,419,186; Apr. 15.
Vinyl fluoride copolymers. D. D. Coffman and T. A. Ford. 2,419,009; Apr. 15.
Vinyl fluoride, Polymerizing. D. D. Coffman and T. A. Ford. 2,419,008; Apr. 15.
Vinyl furane copolymerization products. A. M. Clifford. 2,419,057; Apr. 15.
Vinylidene chloride-vinyl chloride copolymer cured with an aryl guanidine. T. H. Rogers, Jr., and R. D. Vickers. 2,419,166; Apr. 15.
Voltage regulator. G. F. Starnes. 2,419,176; Apr. 15.
Wagon construction. T. I. Duffy. 2,418,971; Apr. 15.
Walking edger. C. Sanford. 2,419,167; Apr. 15.
Welding apparatus. S. Pitt and D. V. Waters. 2,418,951; Apr. 15.
Wheel feeding mechanism, Grinding. J. I. Garside. 2,419,133; Apr. 15.
Wheels, Mounting of. T. Clark. 2,418,967; Apr. 15.
Winding machine, Yarn. L. H. Bateman. 2,419,003; Apr. 15.
Window, Metal supported glass. D. Alpert. 2,419,049; Apr. 15.
Wrench for waterproof watches, Spanner. R. A. Williams. 2,418,999; Apr. 15.

CLASSIFICATION OF PATENTS

ISSUED APRIL 15, 1947

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

2— 67: 2,418,987
71: 2,418,979
162: 2,418,887
274: 2,418,886
4— 1: 2,418,915
9— 9: 2,419,162
12— 4: 2,418,891
13— 14: 2,419,139
15—104.06: 2,418,880
18— 5.7: 2,418,852
6: 2,418,976
10: 2,418,974
30: 2,418,856
36: 2,418,823
42: 2,419,089
47.5: 2,418,936
2,419,035
19— 158: 2,418,997
2,418,998
20— 5: 2,419,047
23— 77: 2,419,027
106: 2,419,147
2,419,148
175: 2,418,851
219: 2,418,930
2,418,931
230: 2,418,814
288: 2,418,837
24— 129: 2,418,885
221: 2,419,108
28— 74: 2,418,927
29— 66: 2,418,958
96: 2,419,081
30— 155: 2,419,168
32— 2: 2,418,833
8: 2,419,084
32: 2,418,824
33— 24: 2,419,078
80: 2,418,860
137: 2,418,985
174: 2,419,134
35— 25: 2,418,822
39: 2,418,834
36— 39: 2,418,896
37— 126: 2,418,813
38— 140: 2,418,969
40— 125: 2,419,181
152: 2,419,187
42— 4: 2,418,946
16: 2,418,906
43— 42: 2,419,037
46— 45: 2,418,922
47— 58: 2,419,073
48— 103: 2,418,882
49— 17: 2,418,873
51— 34: 2,419,130
103: 2,418,871
105: 2,419,133
118: 2,419,033
124: 2,419,179
163: 2,418,934
184.3: 2,419,067
2,419,136
194: 2,418,966
209: 2,418,883

51— 238: 2,419,170
55— 17: 2,418,924
2,419,154
57— 62: 2,419,055
156: 2,418,995
58— 115: 2,419,103
60— 41: 2,418,911
62— 3: 2,418,853
2,418,962
141: 2,418,994
66— 174: 2,418,957
69— 43: 2,418,913
70— 99: 2,419,013
456: 2,418,945
73— 81: 2,418,916
422: 2,418,876
74— 5: 2,419,063
10: 2,418,972
163: 2,419,014
77— 32: 2,418,840
2,418,841
62: 2,418,956
81— 6: 2,418,999
82— 4: 2,419,189
42: 2,418,864
84— 240: 2,419,174
85— 45: 2,418,960
88— 16: 2,419,041
18.4: 2,418,943
57: 2,419,151
89— 6: 2,419,102
91— 12.7: 2,419,070
18: 2,419,132
92— 30: 2,419,155
93— 36: 2,418,900
94— 18: 2,419,022
45: 2,419,167
95— 31: 2,418,992
97— 136: 2,419,085
210: 2,418,954
98— 40: Re.22,870
99— 107: 2,418,914
139: 2,418,847
152: 2,419,031
171: 2,418,818
101— 128: 2,418,893
426: Re.22,869.
103— 161: 2,419,059
105— 18: 2,419,044
197: Re.22,867
200: 2,419,188
418: Re.22,868
106— 150: 2,419,160
250: 2,418,920
2,418,921
287: 2,419,048
292: 2,419,017
302: 2,419,094
108— 10: 2,419,005
109— 49.5: 2,418,855
111— 10: 2,418,937
112— 141: 2,419,068
219: 2,419,006
113— 46: 2,418,874
114— 20: 2,419,173

114— 24: 2,419,164
117— 46: 2,419,080
154: 2,418,820
120— 18: 2,418,854
122— 1: 2,418,815
463: 2,419,150
123— 32: Re.22,871
2,419,096
119: 2,419,171
173: 2,419,066
125— 24: 2,419,056
126— 39: 2,418,867
128— 63: 2,419,062
284: 2,418,907
305: 2,419,045
2,419,114
406: 2,418,917
2,419,176
131— 140: 2,419,109
134— 27: 2,419,076
135— 54: 2,419,105
137— 53: 2,419,143
69: 2,418,817
139— 157: 2,419,086
146— 33: 2,418,827
148— 6.15: 2,418,935
150— 1.5: 2,419,175
34: 2,419,165
38: 2,419,092
152— 400: 2,419,075
154— 43.5: 2,419,016
139: 2,418,904
157— 6: 2,418,849
160— 229: 2,419,107
161— 1: 2,419,077
15.2: 2,418,964
164— 49: 2,419,012
119: 2,418,984
167— 19: 2,418,986
22: 2,419,021
171— 95: 2,419,100
97: 2,418,875
209: 2,418,980
252: 2,418,895
2,419,156
324: 2,419,169
325: 2,418,810
2,418,811
2,418,812
172— 239: 2,419,087
2,419,178
293: 2,419,058
173— 259: 2,419,007
328: 2,419,018
174— 15: 2,419,053
24: 2,419,054
59: 2,418,830
110: 2,419,095
175— 336: 2,419,071
177— 7: 2,418,863
311: 2,419,120
352: 2,418,953
386: 2,418,846
178— 6.6: 2,419,024
44: 2,418,809

178— 44: 2,418,839
2,419,126
53.1: 2,418,928
179—100.3: 2,419,001
171: 2,419,135
184— 6: 2,418,901
188— 32: 2,419,110
78: 2,418,848
152: 2,419,113
226: 2,419,115
189— 36.5: 2,419,049
37: 2,418,929
192— 3.2: 2,418,838
196—14.26: 2,419,039
15: 2,418,988
24: 2,419,029
29: 2,418,884
52: 2,418,857
2,418,890
2,418,993
2,419,088
2,419,097
2,419,098
197— 126: 2,419,036
200—51.06: 2,418,872
54: 2,418,905
67: 2,418,831
2,418,965
80: 2,419,141
82: 2,419.127
87: 2,419,032
2,419,111
107: 2,419,125
115.5: 2,419,152
150: 2,419,106
2,419,123
168: 2,419,072
2,419,180
201— 48: 2,419,061
202— 205: 2,419,042
204— 11: 2,419,028
29: 2,419,190
38: 2,418,932
43: 2,418,970
206— 46: 2,418,861
2,418,868
209— 88: 2,418,949
158: 2,418,821
210— 3: 2,418,950
16: 2,419,004
55: 2,418,973
137: 2,418,989
211— 74: 2,419,040
96: 2,419,101
212— 86: 2,419,138
214— 59: 2,419,129
95: 2,419,145
132: 2,418,897
217— 47: 2,419,026
219— 4: 2,418,951
10: 2,419,149
13: 2,419,116
20: 2,419,083
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38: Re.22,866

219— 38: 2,419,159
220— 1: 2,419,163
9: 2,419,002
222— 5: 2,419,112
78: 2,418,952
189: 2,419,146
561: 2,419,182
223— 89: 2,418,870
228— 2: 2,418,862
60: 2,419,065
229— 37: 2,418,963
62.5: 2,418,975
230— 115: 2,418,835
222: 2,419,091
234— 1.5: 2,418,836
29.5: 2,419,099
235— 64.3: 2,418,910
71: 2,418,948
78: 2,418,933
103.5: 2,418,996
240— 4: 2,418,877
78: 2,418,926
241— 51: 2,418,990
242— 43: 2,419,003
244— 42: 2,419,161
246— 34: 2,418,869
248— 44: 2,419,183
223: 2,418,968
265: 2,419,140
250— 1.54: 2,419,025
1.68: 2,419,046
27.5: 2,418,844
2,419,124
2,419,128
33: 2,418,961
36: 2,418,825
2,418,826
2,418,842
41.5: 2,418,845
49.5: 2,418,903
83.3: 2,419,052
83.6: 2,418,892
164: 2,419,177
251— 167: 2,419,069
252— 23: 2,419,144
33: 2,418,894
118: 2,418,908
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136: 2,418,955
231.5: 2,418,888
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253— 39: 2,418,967
65: 2,418,829
254—131.5: 2,419,015
257— 3: 2,419,119
259— 72: 2,418,982
260— 6: 2,419,060
32: 2,418,843
43: 2,419,166
45.5: 2,418,978
66: 2,418,941
67: 2,419,043
73: 2,418,940
78.5: 2,419,122
79: 2,418,912

260— 80: 2,418,991
83: 2,418,828
84: 2,419,057
86: 2,419,009
86.5: 2,419,090
87: 2,418,938
2,418,939
88: 2,419,008
2,419,010
97: 2,419,185
124: 2,418,981
125: 2,419,153
137: 2,418,816
209.5: 2,418,865
2,418,866
215: 2,418,942
239.6: 2,418,947
249.5: 2,418,944
290: 2,418,977
309: 2,418,925
309.6: 2,418,923
329: 2,419,082
410.7: 2,418,898
427: 2,418,819
449.6: 2,418,899
464: 2,419,186
521: 2,419,158
528: 2,419,019
2,419,020
2,419,038
533: 2,419,131
534: 2,418,902
2,419,157
535: 2,419,137
551: 2,418,959
563: 2,419,093
586: 2,418,850
2,419,051
663: 2,418,832
668: 2,419,142
674: 2,419,011
680: 2,418,879
681: 2,419,030
261— 76: 2,418,858
263— 16: 2,418,983
266— 27: 2,419,079
267— 20: 2,419,104
273— 136: 2,419,000
280—87.01: 2,418,971
286— 29: 2,419,074
296— 27: 2,419,023
137: 2,418,918
299— 24: 2,418,878
77: 2,418,808
303— 20: 2,419,117
308— 213: 2,418,859
230: 2,419,034
242: 2,418,881
311— 12: 2,419,064
312— 47: 2,419,050
175: 2,418,919
315— 5: 2,419,121
22: 2,419,118
39: 2,419,172

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,418,820: 117—154
2,418,858: 261— 76
2,418,912: 260— 79
2,418,915: 4— 1
2,418,923: 260—309.6

2,418,935: 148—6.15
2,418,938: 260—87
2,418,939: 260—87
2,418,940: 260—73
2,418,941: 260—66

2,418,942: 260—215
2,418,962: 62— 3
2,418,978: 260—45.5
2,418,983: 263— 16
2,418,990: 241— 51

2,418,991: 260— 80
2,419,039: 196—14.26
2,419,077: 161— 1
2,419,081: 29— 96
2,419,102: 89— 6

2,419,122: 260—78.5
2,419,133: 51—105
2,419,153: 260—125
2,419,166: 260— 43
2,419,172: 315— 39

2,419,176: 128—406

Classification of Designs

D 3— 4: Des. 146,613
Des. 146,627
26: Des. 146,628
Des. 146,629
D13— 1: Des. 146,625
D22— 3: Des. 146,614
D29—28: Des. 146,600
D33— 6: Des. 146,624
D34—15: Des. 146,610
Des. 146,611
Des. 146,612
Des. 146,626
D44— 7: Des. 146,592
26: Des. 146,593
D57— 1: Des. 146,601
Des. 146,602
D57— 1: Des. 146,603
Des. 146,609
D61— 1: Des. 146,620
D63— 1: Des. 146,608
D80— 8: Des. 146,597
Des. 146,598
Des. 146,623
9: Des. 146,604
D86—10: Des. 146,594
Des. 146,595
Des. 146,619
D92— 1: Des. 146,590
Des. 146,591
Des. 146,596
Des 146,599
Des. 146,605
D92— 1: Des. 146,606
Des. 146,607
Des. 146,615
Des. 146,616
Des. 146,617
Des. 146,618
Des. 146,621
Des. 146,622
D92— 1: Des. 146,630
Des 146,631
Des. 146,632
Des 146,633
Des. 146,634

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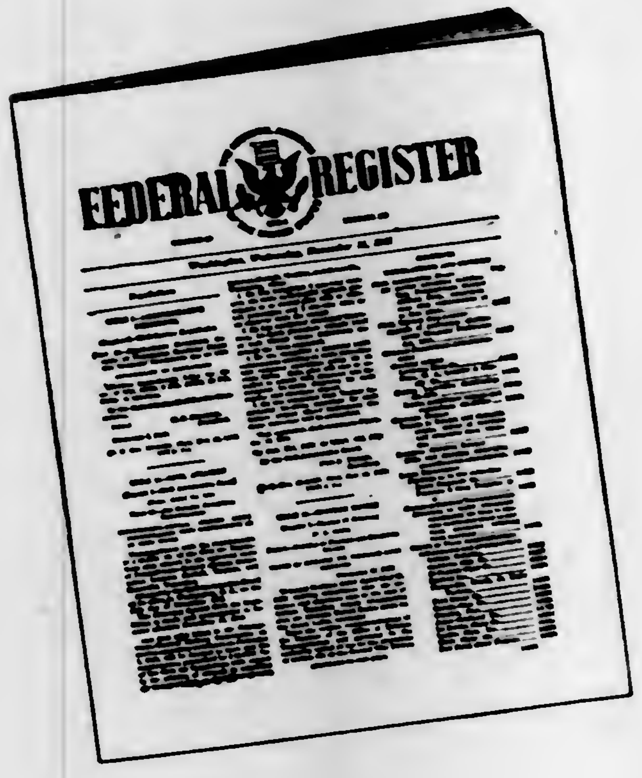

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DECISIONS IN PATENT AND TRADE-MARK CASES

District Court of the United States for the District of Columbia

ROSWELL F. HATCH
v.
OOMS, COMMISSIONER OF PATENTS

VERNON M. DORSEY
v.
OOMS, COMMISSIONER OF PATENTS

HENRY W. CARTER
v.
OOMS, COMMISSIONER OF PATENTS

Civil Actions Nos. 29,517, 29,528 and 29,530. Decided January 23, 1947

1. DISBARMENT—REVIEW UNDER 35 U. S. C. A. § 11.

In reviewing under section 11, Title 35, U. S. C. A., orders of disbarment by the Commissioner of Patents, *Held* that the function of the court "is not that of the trier of the facts," but "is to review what has been done in the disbarment proceedings and to determine whether or not the petitioners have had a fair hearing after due notice of the charge each was called upon to answer, and whether or not there is substantial evidence to support the action of the Commissioner of Patents."

2. SAME—EVIDENCE IN OTHER CASES.

Held that petitioners could not be found guilty of gross misconduct upon any evidence in other cases in which they were not parties unless such evidence had been properly admitted in the disbarment proceedings.

3. SAME—SAME.

"The critical part of the evidence found in the records of the other cases and introduced into evidence in the present proceedings consists of communications written or received by the several petitioners, and as to such communications it has been conceded that they were written by the persons by whom they purport to have been written, and were received by the persons to whom they were addressd. There is, therefore, no question as to the proper admission of such communications against the writers thereof, or as showing knowledge of the matters therein contained on the part of those who received such communications. Of course, it follows that the trier of the facts could draw reasonable and legitimate inferences from these facts so established."

4. SAME—CONCLUSIONS AND FINDINGS IN OTHER CASES.

Conclusions of law and findings of fact by the courts in cases in which petitioners were not parties *Held* "not a determination of any issue" in the disbarment proceedings.

5. SAME—DECEPTION IN PROSECUTION OF APPLICATION—EVENTS SUBSEQUENT TO GRANT.

Upon the issue whether petitioners sought to deceive the Patent Office as to the authorship of a so-called "Clarke" article filed in the application of Karl E. Peiler, Serial No. 294,792, and influence its action on the application, *Held* that events subsequent to issuance of Patent No. 1,655,391 thereon "are to be considered only as they may throw light upon the acts of the petitioners and their intent with respect to the Clarke article up to this point," and that the "subsequent acts may not in themselves be the basis for any charge of deception on their part practiced upon the Patent Office."

6. SAME—SAME—WEIGHING OF EVIDENCE.

"Much testimony has been given by the three petitioners and other witnesses on their behalf, including Clarke, to show the lack of knowledge on the part of each petitioner as to the purpose for which the article was prepared, the limited extent of participation in its preparation by the several petitioners, and the absence of any intent to deceive the Patent Office, and also to show that the Patent Office was not deceived by the use of the article. It was for the trier of the facts to determine what weight should be given to such testimony, what facts were established by other evidence properly admitted, and what reasonable inferences were to be drawn from such facts so established."

7. SAME—SAME.

The conclusion of the Commissioner of Patents that the use of the Clarke article for the purpose of influencing action on the Pieler application was a deception practiced upon the Patent Office; his determination that petitioners participated in the preparation, publication or presentation of the article, that they did so knowing that the preparation and publication of the article was for the purpose of influencing action on the application; and that they did not intend to, and did not, disclose to the Patent Office their participation in such preparation or publication; and his subjection of petitioners to the disciplinary action of disbarment *Held* supported by "ample and substantial evidence properly admitted at the hearing."

8. SAME—SAME.

"Petitioners, in effect, say that the article is nonetheless Clarke's because it was initially prepared by Hatch, and particularly so where it was understood that Clarke should have the right to revise it to any extent that he wished. That Clarke would be bound by what he signed and authorized to be published, and that he would be regarded as the author of the article in a setting other than a hearing on the Peiler application in the Patent Office is quite beside the point here. The critical point is that it was material in the consideration of such article to know that it has been substantially prepared and published by those interested in securing the allowance of the broad claims of Peiler."

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9. Same—Same.

With respect to the contention that counsel in the Peiler application, without any criticism, could have secured from Clarke a statement in affidavit form of the same matter as contained in his article, even though petitioners had actually drafted such affidavit, *Held* that in the setting considered the two are not the same; that "every implication concerning an affidavit filed by a party in support of his contentions is that the affiant made his statements at the request and on behalf of the party using his affidavit;" but that "every implication with respect to an article published and signed by a person having no known or revealed connection with a party litigant is exactly to the contrary."

10. Same—Same.

"It is insisted that the Clarke article is true and, therefore, that the petitioners are not guilty of any deception in connection therewith. The truth of the statements in the Clarke article was not an issue in these proceedings. It was expressly stated during the course of the hearings that it was not. Even though the article contained no mistakes or false statements, its weight as evidence depends as much upon its origin as its content. To exculpate petitioners from aiding and participating in the preparation of the article to be presented as the article of Clarke without disclosing their connection with its origin, it is not sufficient to say they did not make false statements in the article."

11. Same—Same.

Held that it does not follow that, because an argument could be made in good faith, "it was legitimate to support such argument by presenting an article in the preparation of which each of the three petitioners had, to some extent at least, participated, without disclosing such participation and that its publication had been procured by the assignee of the Peiler application."

12. Same—Same.

"Hatch and Carter insist that they had no part in the presentation of the article to the Patent Office. Dorsey insists that he had no part in its preparation, and he and Carter insist they had no part in its publication. It is claimed, therefore, that, as no conspiracy is charged, no one of them can be held responsible for any act of the others. The essential wrongdoing is taking part either in the preparation of the article, with knowledge that it was to be used in the Patent Office, without disclosure of the part that had been taken in its preparation by any person interested in the allowance of Peiler's claims, or the making use of the article in the Patent Office, with the knowledge that it was prepared by any person interested in the allowance of Pieler's claims, without disclosure of such participation. Any such participation, with such knowledge, was an inexcusable aid to the accomplishment of a scheme to deceive the Patent Office, and was conduct falling far short of the standard which the Commissioner of Patents had a right to expect of any registered practitioner in the Patent Office. There is ample evidence against each of the petitioners to support a finding of such participation with such knowledge without resort to the rule of evidence that, where a conspiracy is proved, each conspirator is answerable for acts of the others."

13. Same—Same—Sufficiency of Charge.

"In my view, the charge in the rules to show cause is sufficient basis for findings which sustain the action of the Commissioner, and it sufficiently apprised the petitioners of the matters they were called upon to answer."

14. Same—Delay.

"It is indeed tragic that the severe penalty of disbarment should be visited upon these petitioners for acts of such distance in the past. It is for this court, however, only to say in this connection whether or not such delay constitutes a bar to the prosecution of the disbarment proceedings, or has so impaired the rights of petitioners to a fair defense that they cannot now be held accountable for their past conduct. I must answer both questions in the negative."

15. Same—Penalty.

"It is urged that disbarment of petitioners is too severe even though their conduct should be considered wrongful. That the Commissioner gave consideration to an alternate and milder discipline is quite evident from the fact that a minority of the Committee recommended only suspension. Having determined, after due notice, a fair hearing, and upon substantial evidence, that the petitioners were guilty of gross misconduct, it was in the discretion of the Commissioner to determine the proper disciplinary action in accordance with the applicable statute. I can find no abuse of such discretion here."

On review of orders of disbarment. Affirmed.

Mr. Edgar J. Goodrich for Hatch.

Mr. William E. Leahy for Dorsey.

Mr. Spencer Gordon and *Mr. Charles A. Horsky* for Carter.

Mr. E. L. Reynolds and *Mr. Jo. Bailey Brown* for Ooms, Commissioner of Patents.

Morris, *J.*:

These proceedings were brought in this court pursuant to section 11, Title 35, U. S. C. A., and Rule 95, Title VIII of the Rules of this Court to review Orders Nos. 3937, 3938 and 3939 of Conway P. Coe, Commissioner of Patents, all dated May 18, 1945, disbarring from practice before the United States Patent Office for gross misconduct the petitioners Henry W. Carter, Vernon M. Dorsey and Roswell F. Hatch, respectively. The respondent in these proceedings here is the successor in office to the Commissioner of Patents whose action is sought to be reviewed. Upon motion of each petitioner, the order of disbarment was stayed by orders of this court entered the 16th day of July 1945 pending review and final determination by this court. By stipulation volumes I, II and III of the printed record, containing testimony and printed exhibits, and numerous other exhibits, together with briefs of counsel, transcript of arguments of counsel, a photostate copy of report of Committee on Enrollment and Disbarment, opinion of Commissioner and copy of orders of disbarment were transmitted to this court in lieu of a formally certified record of the proceedings in the Patent Office. Argument on the Petitions for review commenced February 4, 1946, and consumed five days. Prior to arguments briefs for all parties were submitted and subsequent to the arguments a transcript thereof was received by the court.

The proceedings in the Patent Office were initiated by a rule to show cause, directed to each of the petitioners, which read as follows:

> "*Whereas* it was found by the Supreme Court of the United States in its decision in the case of *Hazel-Atlas Glass Company* v. *Hartford-Empire Company*, 64 S. Ct. 997 (322 U. S. 238, decided May 15, 1944), that fraud was practiced on the United States Patent Office during the prosecution of the patent application of Karl E. Peiler, No. 294,792, which matured into Patent No. 1,655,391 on January 3, 1928, which fraud consisted in the preparation and presentation to the United States Patent Office of an article entitled "Introduction of Automatic Glass Working Machinery; How Received by Organized Labor," naming one William P. Clarke as the author, who in fact was not the author of said article, and
>
> "*Whereas* it appears from said decision and the record of the case before the Supreme Court, and the record before the United States Circuit Court of Appeals, Third Circuit, in the case of *Hartford-Empire Company* v. *Hazel-Atlas Glass Company*, 137 F.(2d) 764, and the record before the District Court, Northern District of Ohio, West. Div., in the case of *United States* v. *Hartford-Empire Company*, 46 F. Supp. 541, and the records of the Patent Office, that you participated in the preparation of said article and/or the presentation thereof to the United States Patent Office during the prosecution of said patent application knowing that said article was not written by said William P. Clarke, and with the purpose of deceiving the Patent Office as to the authorship of said article and influencing the action of the Patent Office on said application; and that you thereby perpetrated or participated in the perpetration of a fraud on the United States Patent Office.
>
> "*Now, therefore*, you are hereby ordered to show cause on or before November 9, 1944, why, in view of the above, you should not be suspended or excluded from further practice before the United States Patent Office for gross misconduct.
>
> "You are hereby notified that a hearing on this order to show cause will be accorded to you before the Committee on Enrollment and Disbarment of the United States Patent Office on November 9, 1944, in Room 1035 of the United States Patent Office in the Department of Commerce, 14th and E Streets, N. W., Washington, D. C., beginning at 10:00 A. M. on said date."

In addition to the three petitioners in these proceedings, who were designated as respondents in the proceedings in the Patent Office, there was another respondent, Robson D. Brown, who is now deceased.

A hearing was had before the Committee on Enrollment and Disbarment of the Patent Office, consisting of seven members, such hearing commencing November 21, 1944, and consuming five days with one night session. Each of the respondents were represented by counsel, excepting Mr. Vernon M. Dorsey, who appeared pro se. On March 27, 1945, oral argument was heard by the Committee, with Commissioner Conway P. Coe attending. The Committee, in its report to the Commissioner of Patents, dated April 26, 1945, which discussed much of the evidence in the case and set out many excerpts therefrom, stated (all members agreeing):

> "As is clear from what has been stated in this report, it is our carefully considered opinion that the record made before us indubitably and conclusively shows and establishes that the respondents and each of them has been guilty of gross misconduct toward the Patent Office in connection with the so-called Clarke article, the most salient points of said misconduct being: First, the preparation and the presentation of the article to the Patent Office in such manner as to induce the Patent Office officials to believe that the article compared the commercial success of the specific invention of the Peiler application with the commercial success of the Owens machines, whereas, in truth, the comparison was of the commercial success of gob feeding machines in general—of which there were several types other than Peiler's—with the commercial success of the Owens machines; and, Secondly, the deliberate concealment from the Patent Office of the facts that (a) the so-called Clarke article was prepared by and on behalf of Hartford; (b) that the sponsorship of the article by Clarke and the notation thereon of Clarke's name as author was procured by and on behalf of Hartford, and (c) that the publication of the article in the National Glass Budget was procured by Hartford and on its behalf through Hatch. We hold and believe that in the perpetration of such concealment all of the respondents deliberately collaborated not only with each other but also directly or indirectly with Clarke, and that all of the respondents connived with each other with the intention of misleading and deceiving the officials of the Patent Office as to the true state of the said material facts concerning the connection of Hartford with the preparation and publishing of the article with Clarke's name appearing thereon as the author thereof, when in fact he was not the true author thereof, and all this for the purpose of securing favorable action by the Patent Office with respect to the claims in the Peiler application."

In its recommendation five members recommended disbarment and two members recommended that "respondents be not disbarred perpetually from practice before the Patent Office but that instead respondents and each of them be suspended from practice for a definite period of time, for instance, up to one year." The Commissioner of Patents on May 18, 1945, addressed the following memorandum opinion to all counsel and to Mr. Dorsey, who had appeared pro se:

> "An order to show cause why he should not be disbarred from practice before the United States Patent Office was issued against each of the above named respondents. Answers were filed and a hearing had before the Committee on Enrollment and Disbarment of the Patent Office, at which time testimony and exhibits were introduced by the respondents. The Committee has made its report to me and in the report a majority of the Committee has recommended that all of the respondents be disbarred from practice before the Patent Office. A copy of the report is transmitted herewith.
>
> "That a fraud was practiced on the Patent Office, as charged in the orders to show cause, was found by the Supreme Court of the United States in the case of *Hazel-Atlas Company* v. *Hartford-Empire Co.*, 322 U. S. 238, 61 USPQ 241, which was a suit to set aside the judgment of the Court of Appeals for the Third Circuit sustaining the validity of the Peiler patent, No. 1,655,391, which was granted on the Peiler application referred to in the orders to show cause.
>
> "In its opinion in that case the Supreme Court said:
>
> " 'Here even if we consider nothing but Hartford's admission, we find a deliberately planned and carefully executed scheme to defraud not only the Patent Office but the Circuit Court of Appeals.'
>
> "I have given careful consideration to the Committee's report and to the entire record made at the hearing and I am convinced that each of the above named respondents participated in the scheme to defraud the Patent Office, as was found by the Committee, and I approve the recommendation of the majority of the Committee, that each of the respondents be disbarred from further practice before the United States Patent Office. Orders of disbarment have this day been issued.

Each of the petitioners here assigned a great many errors, all of which have been carefully considered. It would enlarge this opinion beyond reasonable limits to undertake to deal separately with each of such assigned errors. I shall undertake to discuss such matters as have been pressed in the briefs and oral arguments which seem to me necessary in the proper disposition on review of these proceedings.

[1] At the outset it is of first importance to make clear the function of this court in the present proceedings. It is not that of the trier of the facts; it is to review what has been done in the disbarment proceedings and to determine whether or not the petitioners have had a fair hearing after due notice of the charge each was called upon to answer, and whether or not there is substantial evidence to support the action of the Commissioner of Patents.

[2][3] Each of the petitioners contended that improper consideration was given to the several decisions and records in the cases mentioned in the rules to show cause, in which they were not parties. I am in complete agreement with the proposition that they cannot be found guilty of gross misconduct upon any evidence in any of such cases unless such evidence has been properly admitted in evidence in these proceedings. The critical part of the evidence found in the records of the other cases and introduced into evidence in the present proceedings consists of communications written or received by the several petitioners, and as to such communications

it has been conceded that they were written by the persons by whom they purport to have been written, and were received by the persons to whom they were addressed. There is, therefore, no question as to the proper admission of such communications against the writers thereof, or as showing knowledge of the matters therein contained on the part of those who received such communications. Of course, it follows that the trier of the facts could draw reasonable and legitimate inferences from these facts so established.

[4] I furthermore agree with petitioners that conclusions or findings by the courts in the cases mentioned are not a determination of any issue in these proceedings. It was for this reason that I considered the question should be resolved as to whether or not, in view of the recitation by the Commissioner of the findings by the Supreme Court in the case of *Hazel-Atlas Co. v. Hartford Empire Co.*, the Commissioner himself had reached the conclusion that a scheme to defraud the Patent Office existed, or merely relied upon the findings of the Supreme Court that it did. There can be no doubt that the Committee did make a finding to that effect. I, therefore, addressed identic questions by letter to counsel for all parties herein, and by their several replies by letter and at a further hearing held October 24, 1946, they stated that in effect the action of the Commissioner of Patents was an implicit approval and adoption of the findings of the Committee, and no further action on his part was necessary to the final disposition of these cases on review.

Application Serial No. 294,792, filed by K. E. Peiler in the Patent Office May 5, 1919, sought a patent for a method of and apparatus for feeding molten glass. This application, with many vicissitudes, delays and numerous interference proceedings finally eventuated in the issuance of Patent No. 1,655,391, dated January 3, 1928, to the assignee Hartford Empire Company. One after the other of the patents or alleged prior claims asserted in interference with the Peiler application were acquired by the Hartford Empire Company, and such interferences were terminated, as they were no longer of an adversary nature. The question of patentability, however, remained. Accompanying an amendment, dated October 11, 1926, there was filed, among other things, an article entitled "Introduction of Automatic Glass Working Machinery; How Received by Organized Labor, by William P. Clarke, President, American Flint Glass Workers' Union," which had been published in the National Glass Budget, a trade publication, July 17, 1926. This article undertook to show how automatic and semi-automatic machinery had increasingly displaced skilled workers in the glass industry; how it had been the policy of the union leaders to encourage such workers to acquire skill to operate the machines which were displacing the skills which they had and thus prevent their unemployment. Excerpts from reports of its officers to the Bottle Blowers' Association constitute much of the material of the article. As the reports used the term "Owens or automatic machines" to designate the automatic feeding accomplished by suction of molten glass into the molds and "flowing or pouring devices" to designate all other types of automatic or semi-automatic feeding, the article deals with some emphasis on the difference between flowing or pouring devices and gob feeding. The distinction is stated in the article as follows:

> "Instead of employing a stream of glass which collects in the mold until the desired mold charge had accumulated, these new feeders cut off a suspended chunk or gob of glass which was pre-formed during suspension to correspond, to some extent, at least, to the shape of the mold cavity in which it was to be received."

The article states that such gob feeders had been put out by a number of manufacturers, including the Hartford-Fairmont Company, George E. Howard, Tucker and Reeves, W. J. Miller, and others. Excerpts from the reports above mentioned, as interpreted by comment in the article and shown by a chart, undertook to show that the production on gob feeders, which commenced in 1917, rose with great acceleration to the close of 1925, whereas production on Owens machines, which commenced in 1905, rose until the middle of 1919 and then leveled off.

The evidence respecting the preparation, publication and filing of the Clarke article is voluminous. Such parts of it as appear to be critical in showing connection of the several petitioners with the preparation of said article, or with the filing thereof, and its purpose are quoted in the report of the Committee and, therefore, need not be set forth in full here. Each petitioner insists that this evidence does not show any wrongful act or intent on his part, and there is much testimony on behalf of petitioners denying any inferences drawn from such evidence that they were guilty of any misconduct in connection with the Clarke article. A discussion and correspondence was had between Brown and Carter in December 1925 with respect to the desirability of having an article describing the revolution produced in the glass business by the plunger gob feeding system. Brown suggested that such an article would be helpful in making a record before the Patent Office in connection with the principal Steimer case and also "in our Peiler plunger case, where we hope to obtain claims covering the broad ideas of keeping suspended mold charges shaped by the action of a plunger." He suggested that Carter write such article. Carter declined, as he did not have first-hand knowledge of the industry until 1921 and then only from the viewpoint of the patent specialist. He suggested that the article be written by Howard, who had written previous articles which were published in one of the glass journals. It is insisted in the testimony by Brown before the Committee that the article which he suggested finally became the Peiler affidavit, which dealt in detail with the various mechanical developments in the glass industry, and which was filed in the Patent Office, and had no reference to the Clarke article which was filed noted that Brown was resident patent counsel for at the same time. In this connection, it is to be

Hartford and Carter was an official of the Owens Bottle Company, subsequently the Owens-Illinois Glass Company, which had a plunger licensing agreement with Hartford, whereby it had the right to use Hartford's feeder patents and to share in royalties from licenses.

Hatch, who was employed by Hartford, and had charge of the Invention Department, "which was primarily the contact between the engineers and the patent attorneys, and a number of other duties that went with it," had a conversation "not far from the beginning of 1926 and maybe a little before, or probably a little later" with Brown and secured authority to prepare an article which developed into the Clarke article. Both Hatch and Brown denied that at this time there was any intention to use such article, which was to be based upon reports of the Bottle Blowers' Union, in any patent proceedings. During the preparation of a draft by Hatch, he sought and received information from Carter, who in May 1926 advised the president of his company that Hatch had prepared the article "with the idea of getting it printed under the name of some apparently unprejudiced authority and then calling the attention of the Patent Office Examiner to the article as published in the belief that the Examiner will thereby be influenced to a more favorable consideration of Hartford's broad claims." In that memorandum Carter also stated, "Of course, we are equally interested with Hartford in securing these broad claims and, therefore, indirectly interested in getting the article published." The intention of Hatch originally was to submit the article to a Mr. Maloney, president of the Bottle Blowers' Association, to sponsor it for publication, but when Mr. Maloney declined on the ground that it might involve him with other glass manufacturers, Hatch sought to secure such sponsorship by Clarke, president of the American Flint Glass Workers' Union. Clarke would not agree unless the Owens company, which he did not wish to offend, was agreeable thereto. In the memorandum of May 25, 1926, above referred to, Carter advised agreement with the article so that it would be sponsored by Clarke. Clarke was later advised that the Owens company had no objection, and he agreed to go over the article, make such changes as he thought necessary, and sign it for publication.

Hatch emphatically denies that he had ever told Carter that the article prepared by him was for the purpose stated in Carter's memorandum, and Carter in his testimony admits that he has no recollection that Hatch did so, and probably had the understanding about its purpose which he did from the correspondence which he had originally had with Brown. Hatch did, however, write to Carter on March 30, 1926, in which letter, among other things, he stated that he was enclosing a carbon copy of the article which he had been preparing for publication and:

> "The latest idea we have here is to persuade Mr. Maloney, the president of the Bottle Blowers' Association, to sponsor this article. I have become fairly well acquainted with him, and I think there is a reasonable chance that he will do as we wish. Of course, we do not care who assumes the authorship of the article, but we want some one not associated in any way with either of our companies, and whose name would carry some slight weight in the glass trade."

In his letter to Carter of April 19, 1926, Hatch stated, among other things:

> "The point I have in mind is that, if I can get the president of the association to publish this, I thought that he should base all of his statements on their printed records, except where such statements had a direct bearing on the particular point which we wished to bring out."

and further in said letter:

> "Of course, I think you understand that the whole object of the article is to make an excuse to get the production curves and a few statements in regard to gob feeding into print."

Prior to the time that Maloney was asked to sponsor the article and declined to do so, Hatch had furnished a draft of the article to Dorsey, who was associated with Brown to actively prosecute the Peiler application. This was sometime in April 1926. Dorsey read the article and made only a slight change, probably two words, and returned it to Hatch. Dorsey knew that Hatch intended to ask Maloney to sign the article. Subsequently, he wired Hatch for a copy, to which Hatch replied by letter, stating that Maloney had declined to sign the article, and he had then approached Clarke. Hatch stated in that letter, among other things:

> "Mr. Clarke also swallowed the labor bait which I had prepared for him and said he would be glad to revise and publish the article over his own signature if I would get assurance for him that the Owens company would not be offended. * * *
>
> * * * Clarke said that he would rewrite the article to a considerable extent, I suspect, and publish it in the trade journals. I fear I may have to go out to Toledo again to get Clarke to show some speed in this matter and perhaps to supervise what he publishes. I think he understood just what we want published, but he might unintentionally destroy some of the propaganda which we planned.
>
> "I will see that you get a copy of some journal in which this article appears when it comes out."

After ascertaining from Maloney that he had no objection to the publication of the article, Clarke informed Hatch by telegram dated July 7, 1926, that he would "sponsor article with very slight alteration and modifications." Clarke signed the article with such slight alteration and modification sometime the next day and handed it to Hatch, who was then in Philadelphia. On July 9, 1926, Hatch wrote to Mr. Kimes, editor of the National Glass Budget, respecting the publication of this article, in which letter he said, among other things:

> "This article is prepared by Wm. P. Clarke, president of the American Glass Workers' Union. * * *
>
> "* * * We would like to have the article appear as soon as possible and I think that Mr. Clarke will not insist on seeing a proof if it is going to take extra time.
>
> "* * * You will understand that we do not want to have any unnecessary connection with this article as it is presented wholly as the statement and opinion of Mr. Clarke. If there will be any expense in connection with this, please let us know what it will be."

Hatch again wrote Mr. Kimes on July 14, 1926, in which he stated, among other things:

> "I have taken the matter of the reprints up with Mr. Brown, and we have decided that probably the original publications will carry a little more weight than a reprint. Therefor, we would like to have you send us fifty additional copies, making 100 in all."

Hatch, in his testimony, insists that at no time until a few days before the date last mentioned did he know that the Clarke article was to be filed in the Patent Office; that he did know it then, as Brown had told him that it would be so used, and it was for that reason that he used the language "the original publication will carry more weight than a reprint." He secured a copy with an attached affidavit of Mr. Kimes, dated October 8, 1926, which was forwarded by Brown to Dorsey with a letter transmitting the article and certain affidavits "intended to lay before the Patent Office certain material facts relating to the development of the type of glass feeders to which this application relates, as well as certain facts bearing upon the prior art references." This letter of transmittal to the Patent Office discusses the affidavits which were transmitted with it, and refers to the Clarke article as an "interesting account of the introduction of automatic glass machinery and its reception by labor unions," stating:

> "It describes the various steps by which automatic machinery was introduced, the revolution in the art accomplished by the Owens machine, the somewhat temporary effect of flow-feeding devices, and the further revolution in the art produced by the suspended-charge feeders, referrd to in the Clarke article as 'gob feeders.'"

Several excerpts from the Clarke article are quoted, including the distinction made therein between "flowing and pouring devices" and "gob feeding" (already quoted in this opinion), and finally the following one:

> "Disregarding, for the present, the first use of machinery in making bottles, and considering only the sudden and alarming introduction of revolutionary devices, the Bottle Blowers' Association has twice been confronted with mechanism which superseded a large amount of hand labor at each time. These crises were, first, the Owens machine, second, by gob feeders.
>
> "At the present time, the bottle production of the country from automatic machinery is produced almost entirely by Owens machines and gob feeders and, as is shown on the chart, practically all of the annual increase in production is being made on gob feeders."

The final paragraph of the letter of transmittal reads:

> "The conclusion of the whole matter is that the suspended-charge feeder has accomplished a revolution in the glass art, that it operates on principles not disclosed in the patents of the prior art, and that many of the features contributing to the success of the suspended-charge feeders are set forth in the claims of this case. It is submitted, therefore, that these claims are entitled to favorable consideration, which is respectfully solicited."

This letter of transmittal was signed by Dorsey and filed in the Patent Office October 12, 1926.

In a brief, signed by both Brown and Dorsey, in the Board of Appeals of the United States Patent Office, under the caption "The Last Step Wins and Commercial Success is Persuasive of Invention," an argument is made and excerpts from adjudicated cases quoted on the weight that should be given to commercial success. Then the following comments respecting the Clarke article are made:

> "That the appellant's feeders have been a tremendous success and have revolutionized the art from the standpoint of economy is recognized by reluctant witnesses. We call attention to the article by William P. Clarke, president of the Flint Glass Workers' Union (a union whose members have been displaced by the feeders in question), and published in the National Glass Budget for July 17, 1926, which is an exhibit in this case. (See Appendix, page 76.) Clarke in the exhibit in question gives a graph showing the rapid acceptance of suspended-charge feeders which he terms 'gob feeders' and stresses the great displacement of manual workers occasioned thereby. Heintzelman, an experienced manufacturer of thirty-five years' experience (see Appendix, pages 69 and 73), states that there have been revolutions in the glass feeding art in those years. The first was the introduction of the Owens machine before alluded to, and the second was the introduction of appellant's suspended-charge feeders. The graph of Clarke shows how the introduction of the suspended-charge feeders prevented further introduction of Owens' machines."

The Clarke article, which had previously been filed, among other documents, was printed in the appendix to said brief.

On November 4, 1927, the Board of Appeals affirmed the decision of the Examiner and held the claims on appeal unpatentable over prior art references. A motion for rehearing was granted November 11, 1927, and a brief signed by Dorsey was filed December 2, 1927, to which was attached certain documents, including an affidavit of Peiler, swearing back the date of his invention prior to July 22, 1916, date of the application of the Howard patent, an affidavit of William H. Honiss, explaining the delay in the filing of the Peiler application, and an affidavit of Howard, explaining a "disclaimer" in his patent, which had been acquired by Hartford, in which he referred to the use of a plunger in one of the old methods. Thereafter, on December 6, 1927, the Examiner was reversed and the invention held patentable with respect to all but two claims. The patent for the allowed claims issued January 3, 1928, as has already been stated.

[5] All events subsequent to this are to be considered only as they may throw light upon the acts of the petitioners and their intent with respect to the Clarke article up to this point. Such subsequent acts may not in themselves be the basis for any charge of deception on their part practiced upon the Patent Office.

In June following the issuance of the Peiler patent Hartford sued Hazel-Atlas Glass Company in the District Court for the Western District of Pennsylvania for infringement. In that case the court held that the prior disclosures precluded invention by Peiler of everything but the means by which the operation of the plunger or needle could be changed and adjusted during its operation, a feature which was not in that court's view anticipated by prior disclosures. Thus limited, the court did not consider that Hazel-Atlas had infringed the Peiler patent. While the file wrapper was introduced in evidence in that case, no consideration or comment was made either by counsel or the court of the Clarke article. An appeal was taken by Hartford to the Circuit Court of Appeals for the Third Circuit. In the brief in that appeal by Hartford, the following is stated under the subheading "Commercial Results of This Invention":

> "We shall now point out some of the facts of record as to the commercial results of the invention of the Peiler patent.
>
> * * * * * * *
>
> "2. It Broke the Owens Domination. The article by Mr. William Clarke, former president of the Glass Workers' Union (Rec. V 592 et seq.), gives an admirable outline of the effect of the Peiler plunger feeder on the Owens machine business. His chart reproduced opposite this page (Rec. V 602), showing the production curves of the two types of machine, speaks for itself. The Owens production line begins at zero in 1905 and goes to its high point of 12 million gross in 1919. Alongside of it the 'gob feed' (suspended charge feed) production curve begins at zero in 1917 and goes to 9 million gross in 1925. The Owens curve practically ceases to rise after 1919, that is, as soon as there was substantially competitive production by the suspended charge or 'gob' feeders.

> "In fact, the Owens company itself began the use of the reciprocating plunger feeder in 1920 (Rec. I, 289). It is now an important licensee of the plaintiff's plunger feeders (Rec. I, 237, 289), using them in different plants (Rec. I, 289, 291). The Owens company, the largest glass producer in the country, was forced 'by the hard facts of actual commercial competition' to recognize Peiler's system as a radical advance (Rec. V, 682, 603)."

The chart shown in the Clarke article is reproduced in the brief, as stated in the foregoing quotation.

While not the counsel who made oral argument on appeal, both Dorsey and Brown were of counsel and signed the brief. This appeal was heard before Circuit Judges Buffington, Woolley and Davis, and decided May 5, 1932. Judge Buffington wrote the opinion for the court, Judge Woolley writing a dissenting opinion. The majority sustained the broad claims of the Peiler patent and reversed the decision of the district court. Judge Buffington traced the development of the glass industry, particularly the manufacture of narrow-neck bottle ware, from the hand method using the pontil or punty to gather the molten glass and keep it in suspension by the manipulation of the punty until it was deposited in the mold and sheared by another workman. He used matter contained in the Peiler affidavit and in the Clarke article to show that the first efforts to mechanize the manufacture of such glass ware required a very much higher temperature and fluidity of the glass rather than the lower temperature and viscosity which were characteristic of the hand-punty method. The pouring or flow methods had defects which were, however, largely overcome by the Owens suction method. The Owens machine was so expensive, and licenses to use them were so limited, that all but the largest manufacturers were threatened with extinction and their employees with unemployment. Judge Buffington attributed to Peiler the first and only successful method of employing mechanical means to utilize the characteristics of the glass which it had when used by the hand-punty method. Turning to the machine covered by the patent under consideration, he made the following comment:

> "This new machine and its new and differentiating elements were tersely stated in such [Clarke] article as follows: 'Instead of employing a stream of glass which collected in the mold until the desired mold charge had accumulated, these new feeders cut off a suspended chunk or gob of glass which was pre-formed during suspension to correspond, to some extent, at least, to the shape of the mold cavity in which it was to be received.'
>
> "We shall later see that in these few words this practical glass blower official summarized the novel characteristics of the machine which is the subject-matter of this suit. And be it observed, he notes the exact differences between Owens and this new machine. Owens uses a stream of flowing glass, which means high heat and great fluidity. The new machine uses a suspended gob, preformed during suspension and so pre-formed as to conform to mold shape, all of which means viscosity, nonfluidity, and less heat. It also notes that these things were done while the gob was suspended."

Judge Buffington traces the steps by which, in his opinion, Peiler had arrived at the development of the machine covered by the instant patent. There was first the paddle feeder by which a chunk or gob of viscous glass was forced over a lip of the container and sheared so as to fall in a mold. While this predetermined the quantity of glass constituting the gob, it could not pre-form it to a desired shape corresponding to the mold cavity. This was overcome by having a gob, after it was shoved over the lip of the container, fall into a connected container with a submerged orifice, the flow from such orifice being controlled by a reciprocating plunger which had the effect of pre-forming the gob so as to correspond, to some extent at least, with the cavity of the mold, and later the machine covered by the patent under consideration wherein the paddle was dispensed with, but the submerged orifice and reciprocating plunger retained. Judge Buffington concludes this part of his opinion with the following statement:

> "The periodic, separated, individualized mold forms or gobs discharged by this current-intercepted process and its contrast with the continuous feed stream of the earlier art are described by the union official just referred to in language we now repeat and whose keen accuracy will be better appreciated from what has been shown in the intervening part of this opinion. Accordingly we repeat his words: 'Instead of employing a stream of glass which collected in the mold until the desired mold charge had accumulated, these new feeders cut off a suspended chunk or gob of glass which was pre-formed during suspension to correspond, to some extent, at least, to the shape of the mold cavity in which it was to be received.'"

In addition to the quotations above mentioned, Judge Buffington quoted numerous other excerpts from the Clarke article in his opinion.

Judge Woolley, in his dissenting opinion, made no reference to the Clarke article, but agreed with the district court that all of the broad claims of Peiler had been anticipated in the prior art. He did agree with the district court as to the validity of the narrow claim mentioned in discussion of the district court's opinion.

Shortly after the publication of the Clarke article in the Glass Budget a Mr. William Wood, now deceased, an attorney representing the interests of the Nivison-Weiskopf Company which was manufacturing certain molten glass feeding machines which the Hartford company claimed were infringing the Peiler paddle-needle feeder patent and other patents owned by it, wrote Clarke and later called on him for the purpose of getting certain information which he hoped would be useful in suits then pending or threatened. Clarke testified in substance that he told him of Hatch's connection with the article, "but that it was my article." Hatch learned of this visit when he visited Clarke in Toledo on February 21, 1927, and he wrote a memorandum to Brown dated February 26, 1927, in which the following is stated:

> "After getting this information, Mr. Clarke told Mr. Wood the whole history of this article, i. e., that I furnished at least some of the information, and that I assisted him in preparing the article. I do not know the exact extent to which Mr. Clarke ascribed the article to me.
>
> "In any event, he told Mr. Wood that he could get additional information by applying to me, and naturally I have heard nothing from Mr. Wood.
>
> "This incident was reported to Mr. Carter of the Owens Bottle Company and to Mr. Brown on February 21, 1927."

Shortly after the decision and opinions in the Hazel-Atlas case on May 5, 1932, J. S. McCarthy called on Clarke and presented a letter of introduction from Mr. Wood. McCarthy sought information respecting the Clarke article and, either on that day or on May 24th when he returned to see Clarke, requested a photostat copy of the original article and an affidavit respecting its authorship. Clarke, in his testimony, stated that he did not like his manner and told him he would not furnish either unless summoned to court, in which event he would tell the truth. About this time Hatch sought to secure a photostat copy of the signed article, which had been returned to Clarke by the Glass Budget, and to secure from him an affidavit. Both of these were given to Hatch on May 24, 1932, in which affidavit Clarke stated that the Clarke article was published by his authority and over his signature; that, before he signed the article and released it for publication, he gave the statements set forth therein careful consideration and knew them to be true; that he signed said article and released it for publication without remuneration in the belief that a correct historical statement of the facts set forth in said article would be of interest to the glass industry. Following this Hatch wrote to Carter on May 28, 1932, as follows:

> "Your information on my visit to Toledo has been rather brief, I imagine, and I thought you might like to have a little more detailed report.
>
> "I want to state most emphatically that Mr. Clarke has fully lived up to the statement I made about him, to the effect that he was absolutely honest and trustworthy in every respect. He has been of great assistance to us, and I believe that we are in a most satisfactory position. It does not seem wise to distribute copies of all of the papers I have, or to go into much detail in correspondence, but as you know, everything that I have is at your service if you need it.
>
> "The assistance which you gave me the morning I arrived in Toledo was very useful, and I had to call on Mr. Naylor several times afterward. His assistance, like your own was quite necessary.
>
> "We are quite indebted to Mr. Clarke. While it is true that he has done nothing beyond that would be expected of any reputable man, nevertheless, without violating any confidence or doing anything of a questionable nature, he might easily have caused us a lot of trouble. This should not be forgotten, and I would like to have a general statement to this effect brought to the personal attention of Mr. Lewis.
>
> "I have a lot of interesting things to tell you the next time I have a chance to talk to you."

On July 15, 1932, Hatch was advised by telegram from Carter that Clarke had failed to be re-elected as president of his union. Hatch wired Clarke of his regret and sought to arrange a meeting with him, which meeting was held in Toledo on July 22, 1932. Hatch, in his testimony, stated that Clarke told him about failing in his re-election, that litigation was pending against him, and that he was in a very serious financial situation and needed financial assistance, which he thought he was entitled to from Hartford in view of work which he had done in the past, and which had extended at intervals from 1925, or earlier, to 1932; that he had been put to a lot of annoyance by the activities of McCarthy; and that he had never received anything for the time put in on the Clarke article. He also stated that one of the reasons for losing the election was due to the union's objection to his having anything to do with Hartford. Hatch stated that he thought there was something in what Clarke said and that he had considerable sympathy for him. Clarke said he needed $10,000 and Hatch told him he thought that was a little bit high, but would take the matter up with his company. He did and was instructed by Brown not to make any commitment to Clarke until Hatch had seen Carter, which Hatch said he did, saying Carter agreed that a substantial amount should be paid to Clarke. Hatch stated that Brown thought Clarke should be paid something, but thought $10,000 was too much and wanted Hatch to see if he "couldn't beat him down some." Hatch finally agreed on $8,000, $500 of which was paid by Hatch to Clarke in New York on August 4, 1932, and the balance of $7500 in Pittsburgh on August 11, 1932. At that time Clarke signed a retainer agreement for a period of five years, giving Hartford the right to his services at an agreed compensation of $25 a day for such days as Clarke shall at the written directions of Hartford spend in compiling data, making investigations and/or reports and testifying regarding the same. It was provided in said instrument that Clarke should not be called upon or required to render such services at times when it will interfere with other regular employment that he may have. All money was paid to Clarke in cash. The explanation for this is that any payment by check would have resulted in the money being seized by Clarke's creditors. The payments made by Hartford were charged to the accounts which were shared by Owens so that each could pay half. Clarke treated the payments as a gift and so returned them in his income tax return.

Following the decision and opinions in the Hazel-Atlas case on May 5, 1932, several motions were mode extending time for motions for rehearing, during which time negotiations were being carried on which resulted in a settlement of that litigation whereby Hazel-Atlas paid to Hartford, in which Owens shared, $1,000,000, and licensing agreements were made. Announcement of this settlement was made through trade papers on or about July 22, 1932. Carter, in his testimony, said that he did not authorize any particular payment of money to Clarke, though the matter had been mentioned to him, and he thought it was right in view of the value which the article had in Judge Buffington's opinion and the settlement which had been made of that suit, which resulted in the payment of $1,000,000, and would result in the payment of several millions more. There is nothing in the evidence that connects Dorsey with the payment of any money to Clarke.

On May 31, 1933, Hartford instituted a suit against Shawkee Manufacturing Company for infringement, which resulted in a decision in favor of Hartford under the ruling in the Hazel-Atlas case. During the pendency of this case on appeal certain communications were sent to Judge Buffington by counsel for Shawkee, showing by letters from Hatch to the National Glass Budget and by the National Glass Budget to Clarke that the Clarke article had been published at the "instigation" of Hartford. Letters were also written to Judge Buffington by counsel for Hartford, who took the position then, as counsel for petitioners do in the present proceedings, that all statements in the Clarke article are true and that, therefore, no fraud had been committed by the use of the Clarke article in the Patent Office or before the court. Numerous petitions were filed by Shawkee for leave to file various amendments and bills of review, all of which were denied, and petitions for certiorari were likewise denied.

A suit by the Government against the Hartford Empire Company, Owens Illinois Glass Company, Hazel-Atlas Glass Company, and several other glass companies, charging violation of the Sherman Anti-trust Act, as amended, was commenced on December 11, 1939. During the course of that trial, much, if not substantially all, of the documentary evidence upon which the respondent in these proceedings rely first became known or available to the Patent Office. While all of the petitioners herein gave evidence in that case, either by testimony or affidavit, none of them were parties, and, of course, as has been said, are not bound by the findings of fact or conclusions of law made therein. The decision in that case was rendered August 25, 1942, adverse to the defendants, which was affirmed on appeal by the Supreme Court January 8, 1945.

Predicated upon information and evidence which had been made available during the trial of the anti-trust suits, Shawkee, on October 24, 1941, and Hazel-Atlas, on November 19, 1941. filed petitions in the Circuit Court of Appeals for leave to file bills of review. Such petitions, as amended, asking the Circuit Court of Appeals to set aside their judgments on the ground of fraud, were denied, Judge Biggs dissenting. The Supreme Court on certiorari, May 15, 1944, reversed the action of the Circuit Court of Appeals in the Hazel-Atlas case, and directed that court to set aside its judgment of May 5, 1932. Action of similar effect was taken by the Supreme Court in the Shawkee case.

[6][7] The Commissioner of Patents had determined that the use in the Patent Office of the Clarke article for the purpose of influencing action on the Peiler application, prepared and published, as it was, without disclosing the participation of persons interested in the allowance of Peiler's broad claims in its preparation, was a deception practiced upon the Patent Office. He had further determined that the petitioners, registered practitioners in the Patent Office, did participate in the preparation of said article, its publication or presentation; that they did so knowing that the preparation and publication of the article was for the purpose of influencing action on the Peiler application; and that they did not intend to, and did not, disclose to the Patent Office their participation in such preparation or publication. He has therefore subjected the petitioners to the disciplinary action of disbarment.

Much testimony has been given by the three petitioners and other witnesses on their behalf, including Clarke, to show the lack of knowledge on the part of each petitioner as to the purpose for which the article was prepared, the limited extent of participation in its preparation by the several petitioners, and the absence of any intent to deceive the Patent Office, and also to show that the Patent Office was not deceived by the use of the article. It was for the trier of the facts to determine what weight should be given to such testimony, what facts were established by other evidence properly admitted, and what reasonable inferences were to be drawn from such facts so established. I am of the view that there is ample and substantial evidence properly admitted at the hearing to support the conclusions and action of the Commissioner, as above stated.

[8][9] It is urged by each of the petitioners that Clarke was in truth the author of the article and, therefore there was no misrepresentation, concealment or failure to make disclosures that should have been made to the Patent Office. It is true that Clarke did adopt, "with slight alteration," sign and authorize the publication of the article which had been drafted, with some assistance and advice from Carter and slight assistance from Dorsey, by Hatch. Clarke in his testimony states that he always considered it his article and still does. Petitioners, in effect, say that the article is nonetheless Clarke's because it was initially prepared by Hatch, and particularly so where it was understood that Clarke should have the right to revise it to any extent that he wished. That Clarke would be bound by what he signed and authorized to be published, and that he would be regarded as the author of the article in a setting other than a hearing on the Peiler application in the Patent Office is quite beside the point here. The critical point is that it was material in the consideration of such article to know that it has been substantially prepared and published by those interested in securing the allowance of the broad claims of Peiler. The analogy sought to be made with the signing of a letter by any responsible person or official that had been prepared by some one at his direction or acting for him also misses the same point, because there initial draftsmanship is ordinarily immaterial. It is also urged that Hartford's counsel, without any criticism, could have secured from Clarke a statement in affidavit form of the same matter as contained in his article, even though the three petitioners had actually drafted such affidavit. The two, however, are not the same in the setting here being considered. Every implication concerning an affidavit filed by a party in support of his contentions is that the affiant made his statements at the request and on behalf of the party using his affidavit. Every implication with respect to an article published and signed by a person having no known or revealed connection with a party litigant is exactly to the contrary.

[10] It is insisted that the Clarke article is true and, therefore, that the petitioners are not guilty of any deception in connection therewith. The truth of the statements in the Clarke article was not an issue in these proceedings. It was expressly stated during the course of the hearings that it was not. Even though the article contained no mistakes or false statements, its weight as evidence depends as much upon its origin as its content. To exculpate petitioners from aiding and participating in the

preparation of the article to be presented as the article of Clarke without disclosing their connection with its origin, it is not sufficient to say they did not make false statements in the article.

[11] That the Clarke article was used to impress the Patent Office with the commercial success of the Peiler patent is hardly open to serious question. No other use of the article would reasonably account for its preparation, publication and presentation to the Patent Office. It is true that no mention in the article of the Peiler machine and method was made by such name. Nevertheless, it is also true that, with respect to the gob feeders, the commercial success of which was compared in the article to the commercial success of the Owens machine, it was said in the article—

> "These new feeders cut off a suspended chunk or gob of glass which was pre-formed during suspension to correspond, to some extent, at least, to the shape of the mold cavity in which it was to be received."

That this was an implicit assimilation of the gob feeders discussed in the Clarke article and their commercial success to the Peiler patent and the machines and methods developed by him seems obvious when read in connection with the purpose of the Peiler plunger or needle feeder, as stated in the Peiler patent and application therefor—

> "To avoid these defects [existing in the prior art] it is desirable to pre-form the mold charge, before it enters the mold, so that its external contour will closely approximate the interior contour of the mold walls, or at least that portion of the mold which receives the gather."

It is true that in the Clarke article it is stated that—

> "This new feeder was what is now known as the gob feeder and since that time feeders operating upon this principle have been put out by a number of manufacturers, including the Hartford-Fairmont Company, George E. Howard, Tucker & Reeves, W. J. Miller and others."

It is argued that because the Clarke article mentioned manufacturers other than Hartford, there was no implication that the commercial success pointed out in the article was that of the Peiler machine and method. It is not without significance, however, that the other manufacturers mentioned specifically made machines, the patent rights of which had been acquired by Hartford, and which came within the broad claims made by Peiler. It is urged that the Patent Office could not have been lead to believe that the commercial success shown in the Clarke article related only to the Peiler invention because it was shown in Peiler's affidavit that numerous other gob feeders were in production. It must be remembered, however, that Peiler claimed to be responsible for the invention of the features which made the other machines commercially successful, and indeed stated that several competitors were paying royalties to the assignee of his patent. It does not follow that, because such an argument could be made in good faith, it was legitimate to support such argument by presenting an article in the preparation of which each of the three petitioners had, to some extent at least, participated, without disclosing such participation and that its publication had been procured by the assignee of the Peiler application.

[12] Hatch and Carter insist that they had no part in the presentation of the article to the Patent Office. Dorsey insists that he had no part in its preparation, and he and Carter insist they had no part in its publication. It is claimed, therefore, that, as no conspiracy is charged, no one of them can be held responsible for any act of the others. The essential wrongdoing is taking part either in the preparation of the article, with knowledge that it was to be used in the Patent Office, without disclosure of the part that had been taken in its preparation by any person interested in the allowance of Peiler's claims, or the making use of the article in the Patent Office, with the knowledge that it was prepared by any person interested in the allowance of Peiler's claims, without disclosure of such participation. Any such participation, with such knowledge, was an inexcusable aid to the accomplishment of a scheme to deceive the Patent Office, and was conduct falling far short of the standard which the Commissioner of Patents had a right to expect of any registered practitioner in the Patent Office. There is ample evidence against each of the petitioners to support a finding of such participation with such knowledge without resort to the rule of evidence that, where a conspiracy is proved, each conspirator is answerable for acts of the others.

[13] It is argued at much length by the petitioners that they were found guilty of misconduct other than that charged, and thus denied due process. With this contention, I cannot agree. In my view, the charge in the rules to show cause is sufficient basis for findings which sustain the action of the Commissioner, and it sufficiently apprised the petitioners of the matters they were called upon to answer.

[14] It is indeed tragic that the severe penalty of disbarment should be visited upon these petitioners for acts of such distance in the past. It is for this court, however, only to say in this connection whether or not such delay constitutes a bar to the prosecution of the disbarment proceedings, or has so impaired the rights of petitioners to a fair defense that they cannot now be held accountable for their past conduct. I must answer both questions in the negative. The conduct of the petitioners called into question by the disbarment proceedings was not, nor does it appear that by reasonable diligence it could have been, known to officials of the Patent Office prior to the time that information and evidence as to such conduct became available during the trial of the case of United States against Hartford and other glass companies. After such information became known in that case and until the Hazel-Atlas and Shawkee cases were decided by the Supreme Court, the Commissioner of Patents had reasonable justification for not starting proceedings against these petitioners, whose conduct, although they were not parties to such litigation, was under consideration in said cases. No showing has been made that the delay has prejudiced the petitioners in their defense.

[15] It is urged that disbarment of petitioners is too severe even though their conduct should be considered wrongful. That the Commissioner gave consideration to an alternate and milder discipline is quite evident from the fact that a minority of the Committee recommended only suspension. Having determined, after due notice, a fair hearing, and upon substantial evidence, that the petitioners were guilty of gross misconduct, it was in the discretion of the Commissioner to determine the proper disciplinary action in accordance with the applicable statute. I can find no abuse of such discretion here.

After full consideration of all of the contentions made by each of the petitioners, many of which I do not consider necessary to discuss in this memorandum, I am of the opinion that the orders of the Commissioner of Patents here under review should be affirmed. Appropriate orders will be submitted by counsel.

U. S. Court of Customs and Patent Appeals

In re Leum et al.

No. 5,210. Decided December 9, 1946

[158 F.(2d) 311; 72 USPQ 127]

Patentability—Process Differing Only in Obvious Detail.

Certain claims for a process of producing toluene which differed from the prior art in the use of superatmospheric pressure *Held* unpatentable, since it is within the skill of the art and obvious to carry out the reaction in a closed vessel to obtain the pressure defined in the appealed claims.

Appeal from the Patent Office. Affirmed.

Mr. Norbert E. Birch for Leum et al.

Mr. W. W. Cochran (*Mr. E. L. Reynolds* of counsel) for the Commissioner of Patents.

Jackson, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming that of the Primary Examiner rejecting all of the claims 7, 8, 9, and 12 of an application for a patent alleging new and useful improvements in a method of producing toluene from alkylated aromatic hydrocarbons by catalytic treatment in the presence of benzene for lack of invention over the patent to Sachanen et al., 2,257,920, October 7, 1941.

Claim 7, which is the broadest of the appealed claims, is representative of the subject matter and reads as follows:

> 7. The method of producing toluene which comprises acting upon a mixture of benzene and a polyalkylated aromatic hydrocarbon with $AlCl_3$ at a temperature of from 325° F. to 450° F. and *under a superatmospheric pressure equivalent to the vapor pressure of the mixture at the operating temperature*, the weight ratio of benzene to polyalkylated aromatic hydrocarbon being within the range of 0.5 :1 to 4 :1. [Italics ours.]

It will be noted that that claim describes the process as involving a mixture of benzene and polyalkylated aromatic hydrocarbons with aluminum chloride, $AlCl_3$. Claims 8, 9 and 12 are more limited than claim 7 in that they call for petroleum naptha as the starting hydrocarbon. The production of toluene is old in the art and appellants concede that if the italicized clause in claim 7 does not lend patentability to the claims the rejection was proper. That clause means that the reactants are heated in a closed vessel. No other method is suggested by the application.

The Sachanen et al. patent discloses a process by which toluene may be produced. In the process using the same or equivalent materials as those set out in the claims, temperature ranges are disclosed and claimed from about 80° C. to about 200° C. 200° C. is the equivalent of 392° F. The preferred temperature is stated to be between about 175° F. and about 250° F. It is not specified in the patent that the reaction is carried out at atmospheric pressure, but the raising of the temperature of the reactants above the boiling point of benzene is therein contemplated.

The Patent Office tribunals held that it would be obvious to carry out the process disclosed in the patent in a closed vessel wherein superatmospheric pressure would necessarily be produced.

It appears to us that the reasoning of the tribunals below is correct. It seems clear that in the process of the patent wherein high boiling alkylated aromatic hydrocarbons are heated in the presence of benzene and an aluminum chloride catalyst to a temperature between 80° C. and 200° C. for conversion to lower boiling alkylated aromatics, when the mixture reaches a temperature above the boiling point of benzene, which is 80° C. or 176° F., the benzene vapors would pass off unless preserved or confined by some means. No mention is made in the patent that the process should be carried out in the vapor phase as suggested by counsel for appellants.

The Examiner stated that it was common practice to use closed systems when reaction temperature to be used is so high that any of the reactants might otherwise escape from the mixture.

That statement has not been questioned nor was the Examiner called upon for proof thereof. On the record here we do not see how invention can be involved in carrying out the process of the patent in a closed system. Whether or not the systems were open or closed, it surely would be obvious to try either in a reaction of the character defined by the patent.

There is nothing critical in the range defined in the claims, nor is it so contended. It may be noted that within the range of 325° F. to 450° F. set forth in the claims of the application and the disclosure and the range of the patent from 175° F. to 392° F. there is an overlapping by 67° F.

The only question here is whether or not it involved invention to carry out the process of the patent in a closed vessel. If such is within the skill of the art, there can be no invention even though the results obtained by the claimed process are better than those shown by such art. *In re Kepler*, 30 C. C. P. A. (Patents) 726, 132 F.(2d) 130, 56 USPQ 177.

Prior to the final rejection of the claims by the Examiner, one of the appellants filed an affidavit in which he set out the records of experiments made by him showing the results obtained in accordance with the processes of patents, other than the present reference, which had then been cited against the involved claims. Those experiments showed a higher yield of toluene obtained from the process of the application than from the processes of those patents. There is no showing of any difference in results between appellants' process and that of the single reference. Therefore, the affidavit is without probative effect.

Since counsel for appellants has conceded that the claims were properly rejectable unless the italicized clause shown in claim 7 rendered them patentable and since it appears to be obvious to use a closed vessel to obtain the pressure defined in the patent claims, we are of opinion that the said clause does not render the claims patentable and it is not necessary to consider other contentions.

For the reasons hereinbefore given, the decision appealed from is affirmed.

Affirmed.

NOTICES

Public Law 690

Reciprocity with Holland, Sections 1 and 3

U. S. Patent Office, *Washington 25, D. C., Apr. 1, 1947.*

The Netherlands Government has advised that their law of August 8, 1946, State Law Record No. 202, is applied to citizens of the United States and that the extensions granted will be for at least the same period provided in Public Law 690. Following section 1 of Public Law 690, proof of the causes of the delay will not be required.

The United States Patent Office will accordingly apply sections 1 and 3 of Public Law 690 to citizens of the Netherlands.

LESLIE FRAZER,
First Assistant Commissioner.

Disclaimers

2,350,347.—*Richard S. Gaugler,* Dayton, Ohio. Refrigerating Apparatus. Patent dated June 6, 1944. Disclaimer filed Mar. 17, 1947, by the assignee, *General Motors Corporation.*

Hereby disclaims the subject matter of claim 12.

2,358,363.—*Francis W. Truesdell,* Marblehead, Mass. Control for Internal-Combustion Engines or the Like. Patent dated Sept. 19, 1944. Disclaimer filed Mar. 18, 1947, by the assignee, *General Electric Company.*

Hereby enters this disclaimer to claims 15, 17, 18, 19, and 20 of said patent.

2,368,701.—*Perry A. Borden,* Waterbury, Conn. Galvanometer. Patent dated Feb. 6, 1945. Disclaimer filed Mar. 18, 1947, by the assignee, *The Bristol Company.*

Hereby enters this disclaimer to claims 1, 2, 3, 4, 5, 6, 7, 8, and 9 of said patent.

Interference Notice

U. S. Patent Office, *Washington, D. C., Mar. 25, 1947.*

The American Motor Products Corporation, its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Ampco Metal, Inc., 1745 S. Thirty-eighth St., Milwaukee 4, Wis., for registration of a trade-mark and trade-mark registered September 12, 1933, No. 306,139, to The American Motor Products Corporation, 451 Greenwich St., New York, N. Y., and the notice of such declaration sent by registered mail to said The American Motor Products Corporation at the said address of record having been returned by the post office as undeliverable, notice is hereby given that unless The American Motor Products Corporation, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in the case of default. This notice will be published in the Official Gazette for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Adjudicated Patent

(D. C. N. J.) Steinberger patent, No. 1,702,235, for system of line insulation and insulators therefor, *Held* invalid. *Steinberger* v. *U. S.*, 69 F. Supp. 403; 72 USPQ 231.

Order No. 3939

U. S. Patent Office, *Washington, D. C., May 18, 1945.*

Acting under the provisions of Section 487 of the Revised Statutes (U. S. C., Title 35, Sec. 11), Roswell F. Hatch, of Hartford, Conn., whose registration number is 10,180, is hereby disbarred from practice before the United States Patent Office for gross misconduct.

CONWAY P. COE,
Commissioner.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,358,159. Medicine Dropper. Patented Sept. 12, 1944. Comprises a pair of inner and outer telescoped tube-like members having nested nozzles of the usual type at the lower ends, a telescoped cap over the top of the inner tube and a cylindrical guard housing over the cap and top free end of the inner tube. The housing is notched to provide finger slots for telescopically reciprocating the cap and inner tube (which has a handle) to obtain piston action to control operation of the dropper. The cap and inner tube are reciprocated to fill inner tube and position its nozzle above the outer nozzle. A measured dose is then dropped into the outer nozzle by moving the cap downwardly. The measured dose is then discharged by moving the cap and inner tube downwardly as a unit. (Owner) William P. Gruetter, 704 Mount Vernon Ave., Chattanooga 5, Tenn. Groups 32—21; 39—81; 40. Reg. No. 5,411.

Pat. 2,207,445. Platform Ladder. Patented July 9, 1940. This patent refers to a ladder having a base frame, riser sections and a platform portion. The ladder may be extended or lowered from a single point, by hand crank or motor, and may be compacted by folding it inwardly. A safety feature includes automatic locking of the riser sections. A ladder, fifteen feet in extended length, has been built and is in daily use. The ladder is particularly valuable in aircraft maintenance work. (Owner) Wallace W. Seidner, 603 North Atlantic Blvd., Monterey Park, Calif. Groups 25—99; 33—73. Reg. No. 5,412.

Pat. 2,064,476. Abrading Machine. Patented Dec. 15, 1936. The main purpose of this invention is to eliminate long continuous scratches produced by high speed abrasive belts in constant contact with moving sheets of steel or wood panels being polished or abraded. The machine includes a traveling endless work support or bed vertically adjustable in a stationary frame carrying one or more units arranged for abrasive action upon stock being carried through the machine. Pressure is applied by two side-by-side shoes mounted for simultaneous and opposite vertical reciprocation, the shoes alternately applying pressure to different portions of the belt. This enables the belt to present an entirely new surface so that the scratches appearing on the stock are out of line with ones previously made. (Owner) G. T. Johnson, Route 1, Box 71—A, South Beloit, Ill. Group 35—41. Reg. No. 5,413.

Pat. 2,381,922. Chiropractic Adjustment Table. Patented Aug. 14, 1945. Swinging table frame is pivotally mounted on a base so that it may be moved from an upright to a horizontal position. The table is divided into several adjustable sections (for the head, chest, etc.) so that the table may be adapted to persons of various sizes. A particular feature is the automatic means of counterbalancing the weight of the particular person handled on the table. (Owner) John G. Norris, Box 397, Bloomer, Wis. Group 39—16. Reg. No. 5,414.

Pat. 1,939,519. Automobile Brake Mechanism and Safety Device. Patented Dec. 12, 1933. This brake mechanism consists of a pair of tooth-edged plates arranged across the front and rear of an automobile so that they project laterally of the wheels. These plates may be shifted manually into ground engaging position by pedal to prevent skidding in any direction. A stop signal is simultaneously rendered operable by pull cord connection on application of the emergency brake. (Owner) Alfonso Porcelli, 460 Graham Ave., Brooklyn, N. Y. Groups 33—73; 38—31. Reg. No. 5,415.

Pat. 2,039,606. Elevator Safety Device. Patented May 5, 1936. Side and rear walls of an elevator shaft are provided with struck out flanges which serve as racks for pivoted safety catches on the elevator car and suspension cable. The device is automatically rendered operable in the event of cable break or may be manually applied to arrest the fall of the elevator car. (Owner) Alfonso Porcelli, 460 Graham Ave., Brooklyn, N. Y. Group 35—62. Reg. No. 5,416.

Pat. 2,408,152. Antiskid Canvas Device. Patented Sept. 24, 1946. Anti-skid device consists of an adhesively coated canvas sheet shaped to fit shoe heels and soles and held in place by marginal tabs which adhere to the sides of heels, etc. A similar device may be constructed for the tread of automobile tires. (Owner) Alfonso Porcelli, 460 Graham Ave., Brooklyn, N. Y. Groups 22—11; 39—16. Reg. No. 5,417.

Pat. 2,412,005. Combined Bed and Crib. Patented Dec. 3, 1946. Comprises a full-sized base for a bed. A removable crib superstructure with storage space at end and a shelf at side for toys rests on base around mattress. When a full-sized bed is desired superstructure may be removed. Crib structure when removed may be used as a play pen if desired. (Owner) Gertrude M. Parsons, 1015 Weston Ave., Wausau, Wis. Group 25—11—14. Reg. No. 5,418.

Pat. 2,266,052. Resonance Control Device. Patented Dec. 16, 1941. (Granted under the act of March 3, 1883, as amended April 30, 1928; 270 O. G. 757.) This invention relates to an improved resonance control device for radio receivers. Automatically keeps the high "Q" resonance circuit in tune with the incoming ultra-high radio frequency carrier wave once it is tuned to resonance. Also aids in bringing the circuit in resonance. (Owner) Herbert G. Lindner, 208 East Madison Ave., Collingswood, N. J. Group 36—61. Reg. No. 5,419.

Pat. 2,069,833. Dishwasher. Patented Feb. 9, 1937. Hand dishwasher consists of a small cylindrical casing having a spray head at one end and a hose for connection to a water faucet at the other. A cage filled with soap chips or powder is provided within the interior as well as a double water passage. By manipulation of either of a pair of valve buttons adjacent the handle, a supply of clear or soapy water, or a mixture of the two may be obtained. To aid in scrubbing dishes or pans, a circular brush is detachably clamped to the spray head. (Co-owner) T. Milton Matlack, Jamesburg, N. J. Group 34—99. Reg. No. 5,420.

Pat. 2,108,088. Automatic Intercept Two-Channel Radio Receiver. Patented Feb. 15, 1938. This patent refers to a high frequency receiving system generally of the superheterodyne type which normally responds to any desired frequency, but which automatically shifts to another desired frequency at the moment an emergency signal is transmitted (i. e. police calls, marine distress signals, etc.). In operation, for example, the input circuits of a police band system are tuned to the proper frequency and left fixed. The input circuit of the broadcast band may be tuned at will. As long as no incoming wave is converted in the first detector circuit of the police band system, etc., the equipment functions as a normal broadcast receiver. When the "police" wave excites the "tapped" tube used in the system, the equipment responds to that signal. (Co-owner) Edwin L. Powell, 3707 Alabama Ave., S. E., Washington 20, D. C. Group 36—61. Reg. No. 5,421.

Pat. 2,388,180. Changeable Price Sign. Patented Oct. 30, 1945. Sign is particularly adapted for gasoline filling stations. A swingable display sign is hung within a tubular inverted U-shaped supporting frame and held in position by a latch fork hinged to one side of the supporting frame. Prices are indicated by pairs of removable plates (back-to-back, making the price visible from both sides), inserted through right and left hand edges of the display sign. Inserts are easily removed by swinging the sign either forwardly or rearwardly and substituting new plates. (Owner) Albert H. Pulver, Jr. Address correspondence to Harold G. Manning, 24 Central Ave., Waterbury 11, Conn. Groups 33—73; 39—93. Reg. No. 5,422.

Pat. 2,008,217. Steering Gear for Vehicles. Patented July 16, 1935. Group 38—31. Reg. No. 5,423.

Pat. 2,028,939. Follower for Steering Gears for Vehicles. Patented Jan. 28, 1936. Group 38—31. Reg. No. 5,424.

The two patents listed above relate to a follower pin for steering gears of vehicles for transmitting motion between a worm of the steering shaft and steering arm and is made from bar stock. The pin comprises a single cylindrical member rotatably mounted in the steering arm with a solid flattened end (formed by removing part of the cylindrical stock on each side) for engaging the side of the helical thread. The contacting surfaces of the flattened end are also specially shaped to closely and accurately engage the helical thread so that relatively large side areas of the follower will contact the sides of the helical thread regardless of the position of the follower during its operation. (Owner) Adamant Engineering Company Limited. Address correspondence to A. J. Stephens, 15 Great James St., London, W. C. 1., England.

Pat. 2,107,023. Service Platter. Patented Feb. 1, 1938. This invention relates to an individual service platter for food and drink. It is provided with a thumb hole so that it may be supported by one hand, leaving other hand free. Provided with a number of depressions for sandwiches and other food. Also provided with a conoidal member to hold a glass or cup against slipping on platter. Ideal for buffet suppers and the like. (Owner) Margaret Bertsch. Address correspondence to Sigmund Sameth, 156 East 61st St., New York 21, N. Y. Groups 25—99; 26—94; 32—65. Reg. No. 5,425.

Pat. 2,385,876. Colostomy Apparatus. Patented Oct. 2, 1945. An apparatus to simplify and minimize the inconvenience of the daily enema required following surgical operations on the colon. The apparatus, a two-panel sheet rubber "apron" is worn over the location of the abdominal opening which provides an artificial anus. The apron may be zipped up to form a receptacle for the return flow of the enema so that completeness of the procedure may be determined as the return flow is conducted to the toilet bowl. The apparatus is lightweight, quickly applied, comfortable and easily compacted for storage or carrying. (Owner) Gladys Moorhead, 180 Waverley St., Ottawa, Ontario, Canada. Groups 20—51; 39—15. Reg. No. 5,426.

Pat. 2,374,444. Cleat Attachment. Patented Apr. 24, 1945. A metallic cleat attachment for connecting an electric cable or other object to a wall, floor, or other metallic structure. Comprises a body with a top wall and two side walls which form legs for welding to a metallic structure. A lateral hook extension of the top wall embraces and holds object in fixed position. (Owner) Frederick C. McDunnah, Hampton Falls, N. H. Group 38—73. Reg. No. 5,427.

Pat. 2,093,064. Rake. Patented Sept. 14, 1937. Hand rake for garden or lawn. Adjustable rake head is pivotally connected to the ends of a yoke-shaped carrier. The head may be latched to the carrier in stationary fixed position, or it may be unlatched to allow it to resiliently pivot when striking an obstruction. Springs resiliently hold the head in unlatched position. (Owner) Edward Whiddon, Perry, Fla. Group 33—52. Reg. No. 5,428.

Des. 142,715. Design for a Refrigerator Cabinet. Patented Oct. 30, 1945. Cabinet has a pedal arrangement whereby the upper section which functions as a door may be slidably lowered into the base for access to the interior of the cabinet. (Owner) Ernest Keller, 175 Hoffman Ave., Trenton, N. J. Group 33—71. Reg. No. 5,429.

Pat. 2,296,562. Concrete Product Mold. Patented Sept. 22, 1942. Molding box for use when making concrete products, such as beams, stanchions, etc. Such products with permanent outer casings of U-shaped (or tubular) cross section composed of light nail-holding concrete with a core of high grade concrete including metallic reinforcement may be cast in one operation. The concrete is poured into the box which has a vertically loose "pallet" or base. The pallet supports the box which is subjected to vibration to consolidate the concrete. After vibration the box is stripped leaving the product to dry on the "pallet." The inventor states that the whole operation of assembly, filling, and dismantling can be speedily carried out, and that one mold does the work of about 40 ordinary molds. Working model may be seen in Scotland. (Owner) Maxwell & Maxwell. Address correspondence to Macdonald, Jameson & Co., 124 Saint Vincent St., Glasgow, C. 2., Scotland. Group 32—71. Reg. No. 5,430.

Pat. 1,947,522. Process of Removing Fatty and Pitchy Matters from Animal Fibers and for Making Them More Readily Feltable. Patented Feb. 20, 1934. Provides a process for treating wool or other animal fibers for removing fatty matter therefrom to make them more readily feltable which does not injure the fibers, particularly the interior thereof which remains intact. The fibers are immersed in a solvent of fatty matter (such as are well known in the art) which is chilled to a temperature below 0° C. at approximately atmospheric pressure or less. The solvent remains liquid at such temperature and is removed while maintaining a temperature of about 25° C. to 30° C. (Owner) Berta Fluss. Address correspondence to Oscar Fluss, No. 54 Elizabeth St., Baden near Vienna, Austria. Groups 22—31; 28—81.

TRADE-MARKS

OFFICIAL GAZETTE, APRIL 15, 1947

[Vol. 597. No. 3]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

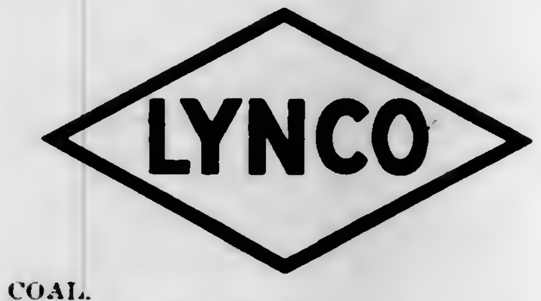
Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 506,215. Wyoming Mining Corporation, Philadelphia, Pa. Filed July 24, 1946.

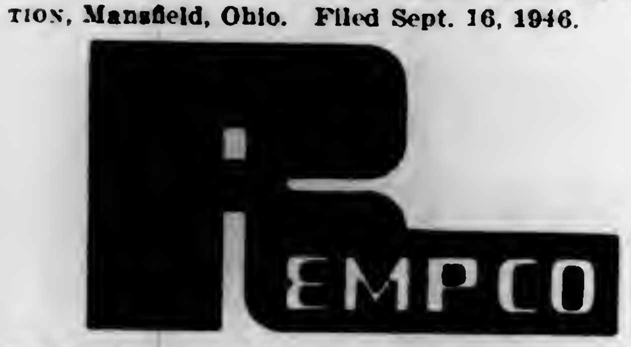


FOR COAL.
Claims use since July 10, 1946.

CLASS 2

RECEPTACLES

Ser. No. 509,169. The Renie Metal Products Corporation, Mansfield, Ohio. Filed Sept. 16, 1946.

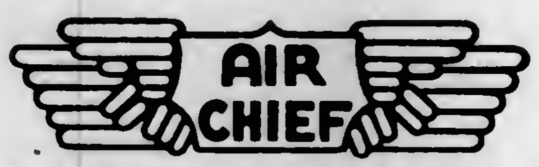


FOR METAL BINS.
Claims use since Aug. 12, 1946.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 500,735. Belber Trunk & Bag Company, Woodbury, N. J. Filed Apr. 23, 1946.



FOR CANVAS TRUNKS. HAND LUGGAGE—NAMELY, OVERNIGHT BAGS, WEEKEND BAGS, STANDARD SUIT CASES, LARGE SUIT CASES, AND HAT CASES, GLADSTONE BAGS, BRIEF CASES, AND CARRYING CASES.
Claims use since Dec. 31, 1935.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 503,541. The Woolfoam Corporation, New York, N. Y. Filed June 8, 1946.

NYLRINSE

FOR WASHING COMPOUND FOR CLEANSING OF HOSIERY, GIRDLES, UNDERWEAR, AND LINGERIE.
Claims use since June 1, 1946.

Ser. No. 503,768. Sterling Drug Inc., Wilmington, Del. Filed June 12, 1946.

ENERGINE

FOR CLEANING PREPARATIONS, COMPRISING LIQUID DRY CLEANERS, SHOE CLEANING PREPARATIONS, AND A WINDOW CLEANER.
Claims use since Feb. 3, 1903, on liquid dry cleaners; since about 1933 on shoe cleaning preparations; and since about July 1, 1937, on a window cleaner.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 476,170. Charles A. Nitsch, doing business as C. A. Nitsch Company, Elkridge, Md. Filed Nov. 6, 1944.

NASATE

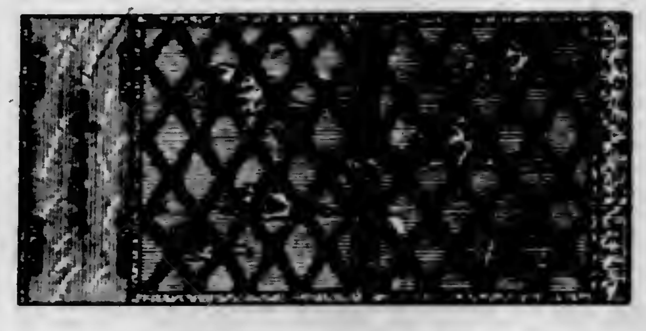
FOR EMULSIFIED NASAL DROPS AND SPRAY.
Claims use since Oct. 25, 1944.

Ser. No. 484,292. Coty, Inc., New York, N. Y. Filed June 8, 1945.

PASTEL

FOR TOILET WATER, PERFUME, AND BRILLIANTINE.
Claims use since Jan. 7, 1924.

Ser. No. 490,799. Mary Dunhill, Inc., New York, N. Y. Filed Oct. 31, 1945.

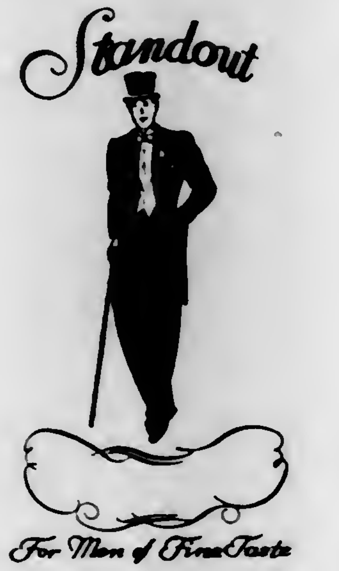


Applicant is the owner of Reg. #416,810 of Oct. 2, 1945. The linings on the drawing indicate the colors pink, gold and blue. The outline of the label is disclaimed apart from the mark as shown.

FOR PERFUME.

Claims use since Oct. 18, 1943.

Ser. No. 493,405. Walter S. Sobin, doing business as The Walstan Co., New York, N. Y. Filed Dec. 15, 1945.


Standout
For Men of Fine Taste

No claim is made to the words "For Men of Fine Taste," apart from the mark as shown. The portrait shown on the drawing is fanciful.

FOR MEN'S TOILETRIES—NAMELY, COLOGNE, AND AFTER SHAVING POWDER.

Claims use since Oct. 1, 1945.

Ser. No. 495,719. Barron Chemical Corp., New York, N. Y. Filed Jan. 31, 1946.

TABLICILLIN

FOR DRUG WHICH CONTAINS AN ORAL FORM OF PENICILLIN FOR USE IN TREATMENT OF DISEASES AS INDICATED BY PENICILLIN.

Claims use since Jan. 4, 1946.

Ser. No. 499,157. Societe Anonyme de Diffusion Internationale de Parfumerie, Paris, France. Filed Mar. 28, 1946.

BIEN A VOUS

FOR PERFUMES, TOILET CREAMS, AND DENTIFRICES.

Claims use since Jan. 1, 1946.

Ser. No. 499,158. Societe Anonyme de Diffusion Internationale de Parfumerie, Paris, France. Filed Mar. 28, 1946.

CIPANGO

FOR PERFUMES, TOILET CREAMS, AND DENTIFRICES.

Claims use since Jan. 1, 1946.

Ser. No. 499,160. Societe Anonyme de Diffusion Internationale de Parfumerie, Paris, France. Filed Mar. 28, 1946.

TARASQUE

FOR PERFUMES, TOILET CREAMS, AND DENTIFRICES.

Claims use since Oct. 1, 1945.

Ser. No. 499,161. Societe Anonyme de Diffusion Internationale de Parfumerie, Paris, France. Filed Mar. 28, 1946.

INSURGÉ

FOR PERFUMES, TOILET CREAMS, AND DENTIFRICES.

Claims use since Oct. 1, 1945.

Ser. No. 499,162. Societe Anonyme de Diffusion Internationale de Parfumerie, Paris, France. Filed Mar. 28, 1946.

GAVROCHE

FOR PERFUMES, TOILET CREAMS, AND DENTIFRICES.

Claims use since Oct. 1, 1945.

Ser. No. 499,163. Societe Anonyme de Diffusion Internationale de Parfumerie, Paris, France. Filed Mar. 28, 1946.

CHASSE GARDÉE

FOR PERFUMES, TOILET CREAMS, AND DENTIFRICES.

Claims use since Oct. 1, 1945.

Ser. No. 499,164. Societe Anonyme de Diffusion Internationale de Parfumerie, Paris, France. Filed Mar. 28, 1946.

RIVAGES

FOR PERFUMES, TOILET CREAMS, AND DENTIFRICES.

Claims use since Jan. 20, 1945.

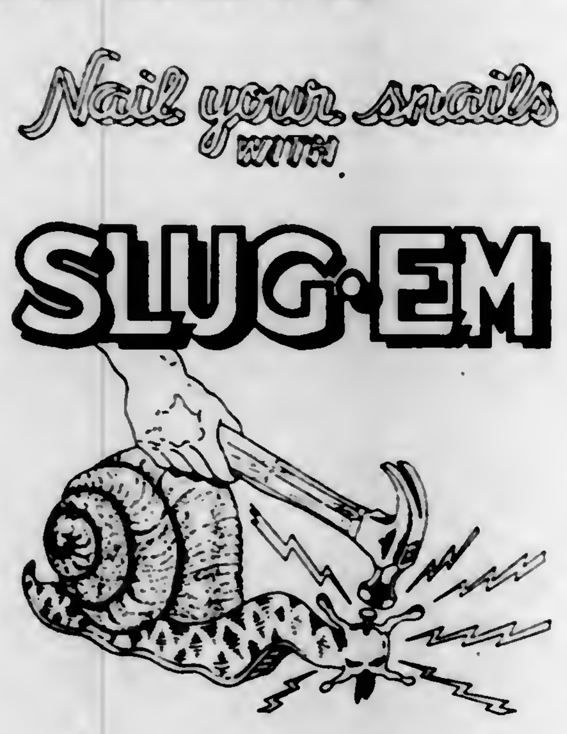
Ser. No. 499,165. Societe Anonyme de Diffusion Internationale de Parfumerie, Paris, France. Filed Mar. 28, 1946.

VOISINE

FOR PERFUMES, TOILET CREAMS, AND DENTIFRICES.

Claims use since Oct. 1, 1945.

Ser. No. 499,213. Destruxol Corporation, Ltd., Pasadena, Calif. Filed Mar. 29, 1946.



The words "Snails" and "Slug" are disclaimed apart from the mark as shown.

FOR CHEMICAL COMPOSITION IN POWDERED FORM AND USED FOR KILLING SNAILS, SLUGS, AND CUTWORMS.

Claims use since Mar. 15, 1946.

Ser. No. 499,524. Wallace & Tiernan Products, Incorporated, Belleville, N. J. Filed Apr. 2, 1946.

LAURAZIN

FOR ANTISEPTIC POWDER.

Claims use since Mar. 18, 1946.

Ser. No. 501,123. The Drug Products Co., Inc., New York and Long Island City, N. Y. Filed Apr. 29, 1946.

Vi-Jelax

FOR MEDICINAL PREPARATION FOR THE TREATMENT OF FUNCTIONAL CONSTIPATION, COLITIS, DIARRHEA AND WHERE THERE IS SLUGGISHNESS OF THE INTESTINAL MUSCULATURE AND DYSFUNCTIONING DUE TO VITAMIN B COMPLEX DEFICIENCY.

Claims use since October 1938.

Ser. No. 502,086. Societe d'Etudes et d'Expansion de la Parfumerie de Luxe, Paris and Asnieres near Paris, France. Filed May 14, 1946.

MIMO

FOR PERFUMES.

Claims use since December 1940.

Ser. No. 502,428. Sara Cooley Cosmetics, Los Angeles, Calif. Filed May 20, 1946.

WATERFALL

FOR COLOGNE.

Claims use since May 7, 1946.

Ser. No. 502,467. Sills Research Laboratory, Los Angeles, Calif. Filed May 20, 1946.

Zircon

FOR SUNTAN LOTION.

Claims use since May 1, 1946.

Ser. No. 502,640. Irresistible, Inc., New York, N. Y. Filed May 23, 1946.

NAPOLEON

FOR COLOGNE.

Claims use since Feb. 13, 1946.

Ser. No. 502,984. E. R. LAMBERTSON, doing business as Medi-Synth Laboratories, Los Angeles, Calif. Filed May 29, 1946.

DERMATECTIVE

FOR MEDICATED SKIN CREAM FOR THE TREATMENT OF MINOR SKIN AILMENTS.
Claims use since June 1938.

Ser. No. 502,997. PARFAIT, INCORPORATED, Chicago, Ill. Filed May 29, 1946.

Kickoff

FOR COLOGNE, TALCUM POWDER, AFTER-SHAVE LOTION, AND SKIN LOTION, BUBBLE BATH, AND SHAMPOO.
Claims use since Apr. 15, 1946.

Ser. No. 504,157. THE CLEVELAND PHARMACEUTICAL COMPANY, Cleveland, Ohio. Filed June 19, 1946.

HEX - SAV

Applicant disclaims the character "Sav."
FOR OINTMENT SALVES FOR RELIEF OF MUSCULAR ACHES AND PAINS.
Claims use since about Mar. 15, 1946.

Ser. No. 505,093. STANLEY M. BALTZLY, doing business as The Baltzly Company, Massillon, Ohio., assignor to Princess Pat Ltd., Chicago, Ill., a corporation of Illinois. Filed July 5, 1946.

TUTONE

FOR HAIR DRESSING AND PREPARATIONS FOR THE HAIR AND SCALP.
Claims use since June 1920.

Ser. No. 505,389. NATHAN BROWNSTEIN, doing business as Stanley Brown & Company, Boston, Mass. Filed July 11, 1946.

COCATOL

FOR COUGH PREPARATION.
Claims use since May 25, 1946.

Ser. No. 505,762. META CINE COMPANY, Chattanooga, Tenn., now by change of name Brayten Pharmaceutical Company. Filed July 17, 1946.

PATHEBA

FOR MEDICAL PREPARATION USED AS A DIETARY SUPPLEMENT.
Claims use since July 16, 1945.

Ser. No. 505,844. THE MALTINE COMPANY, New York, N. Y. Filed July 18, 1946.

NISATE

FOR PROTEIN HYDROLYSATE.
Claims use since June 17, 1946.

Ser. No. 511,120. UNION OIL COMPANY OF CALIFORNIA, Los Angeles, Calif. Filed Oct. 18, 1946.

HYDROCEL

FOR CATALYSTS FOR THE HYDROFORMING, REFORMING, CRACKING, DESULFURIZATION, AROMATIZATION, CYCLIZATION, ISOMERIZATION, DEHYDROGENATION, HYDROGENATION, POLYMERIZATION, ALKYLATION, AND THE LIKE OF PETROLEUM HYDROCARBONS.
Claims use since Mar. 12, 1946.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 505,669. REGAL PIPE COMPANY, San Francisco, Calif. Filed July 15, 1946.

Regal

FOR SMOKING PIPES.
Claims use since Jan. 4. 1945.

CLASS 10

FERTILIZERS

Ser. No. 504,742. CALIFORNIA SPRAY-CHEMICAL CORPORATION, Wilmington, Del., and Richmond, Calif. Filed June 28, 1946.

ORTHO

FOR FERTILIZERS.
Claims use since June 3, 1946.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 503,478. SWITZER BROTHERS, Cleveland, Ohio, assignor to Switzer Brothers, Inc., Cleveland, Ohio, a corporation of Ohio. Filed June 7, 1946.

Glo-Craft

FOR INKS.
Claims use since Mar. 20, 1946.

Ser. No. 504,218. L. C. SMITH & CORONA TYPEWRITERS, INC., Syracuse, N. Y. Filed June 19, 1946.

TYPE BAR

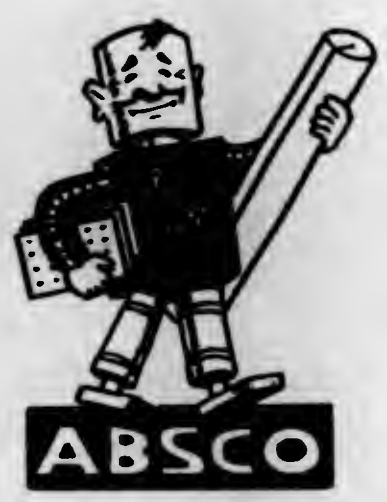
BRAND

The word "Brand" is disclaimed, apart from the mark.
FOR TYPEWRITER RIBBONS AND CARBON PAPER.
Claims use since Aug. 5, 1925.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 506,854. ASBESTOS SUPPLY COMPANY OF SEATTLE, Seattle, Wash. Filed Aug. 5, 1946.



FOR FURNACE CEMENT AND HOT WATER TANK COVERS OF CORRUGATED ASBESTOS PAPER.
Claims use since February 1928.

Ser. No. 511,442. THE BELDAM PACKING & RUBBER CO. LIMITED, London, England. Filed Oct. 25, 1946.

BELDAM'S PILOT

No claim is made to the exclusive use of the word "Beldam's" apart from the mark.
FOR ASBESTOS FIBRE FOR LAGGING, ASBESTOS COVERING FOR BOILERS, PIPES, AND THE LIKE.
Claims use since 1935.

Ser. No. 511,508. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Oct. 25, 1946.

The portrait is fanciful. The word "Farm" is disclaimed apart from the mark.
FOR BROODER HOUSES, HOG HOUSES, AND STOCK STALLS.
Claims use since July 15, 1940, on stock stalls; since Jan. 15, 1941, on brooder houses; and since January 1944 on hog houses.

Ser. No. 513,569. MAJOR INDUSTRIES CO., INC., Redondo Beach, Calif. Filed Dec. 2, 1946.

PERMALOX

FOR CONCRETE BUILDING BLOCKS.
Claims use since Aug. 6, 1946.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 485,905. FIRTH STERLING STEEL COMPANY, McKeesport, Pa. Filed July 17, 1945.

Diecarb

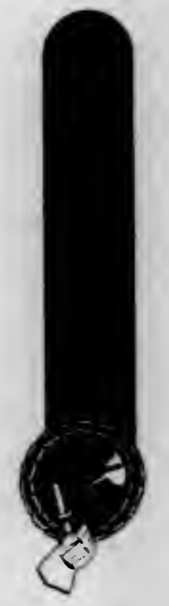
FOR SINTERED CARBIDE HARD METAL COMPOSITIONS—NAMELY, SINTERED COMPOSITIONS MADE FROM POWDERED TUNGSTEN CARBIDE AND COBALT AND ADAPTED TO BE USED IN CONNECTION WITH BLANKING DIES FOR MAKING STAMPINGS OF METAL AND OTHER MATERIALS.
Claims use since Feb. 28, 1945.

Ser. No. 486,802. THE NATIONAL SMELTING COMPANY, Cleveland, Ohio. Filed Aug. 6, 1945.

TERNALLOY

FOR ALUMINUM ALLOY INGOTS AND BILLETS.
Claims use since Feb. 16, 1945.

Ser. No. 490,683. The McKay Company, Pittsburgh, Pa. Filed Oct. 29, 1945.



Applicant disclaims the representation of an electrode separate and apart from the mark.

FOR WELDING ELECTRODES OF THE ROD OR WIRE TYPE.
Claims use since Sept. 12, 1943.

CLASS 16
PAINTS AND PAINTERS' MATERIALS

Ser. No. 487,031. Croda, Limited, Goole, England. Filed Aug. 11, 1945.

PREVOK

FOR RUST PREVENTIVE COATING IN THE NATURE OF A PAINT.
Claims use since Jan. 30, 1943.

Ser. No. 487,195. Maas & Waldstein Company, Newark, N. J. Filed Aug. 17, 1945.

COPRENE

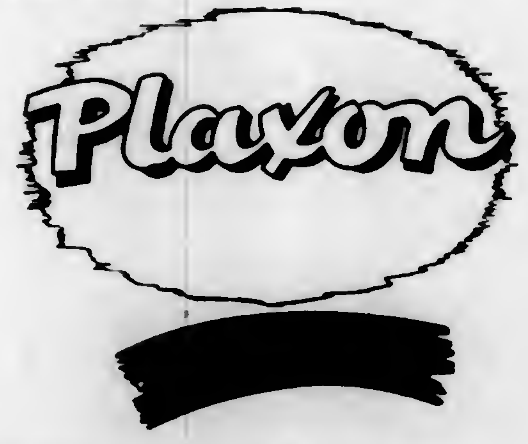
FOR PAINTS IN PASTE AND READY MIXED FORM, VARNISHES, PAINT ENAMELS AND LACQUERS.
Claims use since Oct. 15, 1940.

Ser. No. 492,140. Inertol Co., Inc., Newark, N. J. Filed Nov. 24, 1945.

INERTOL

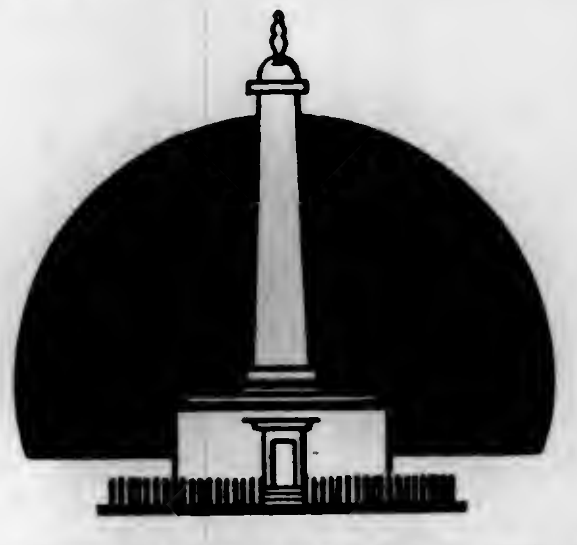
FOR WATER PROOFING AND PROTECTIVE COATINGS FOR CONCRETE AND STEEL (IN THE NATURE OF A PAINT AND APPLICABLE BY BRUSH OR SPRAY.)
Claims use since July 7, 1926.

Ser. No. 492,171. American Coatings Corp., Brooklyn, N. Y. Filed Nov. 26, 1945.



FOR PAINTS IN A READY MIXED FORM.
Claims use since August 1944.

Ser. No. 497,922. The H. B. Davis Company, Baltimore, Md. Filed Mar. 9, 1946.



FOR PAINTS (READY MIXED AND LIQUID, PASTE FORM, AND DRY) PAINT ENAMELS, JAPANS, VARNISHES, STAINS, AND WOOD FILLERS.
Claims use since Dec. 1, 1945.

Ser. No. 498,201. Boston Varnish Company, Everett, Mass. Filed Mar. 14, 1946.

kybrun

FOR READY MIXED PAINTS.
Claims use since January 1936.

Ser. No. 498,202. Boston Varnish Company, Everett, Mass. Filed Mar. 14, 1946.

kygrön

FOR READY MIXED PAINTS.
Claims use since January 1936.

Ser. No. 498,529. I. F. Laucks, Inc., Seattle, Wash., assignor to Monsanto Chemical Company, Seattle, Wash., a corporation of Delaware. Filed Mar. 19, 1946.

TRAVATEX

FOR PAINTS IN READY MIXED FORM.
Claims use since November 1939.

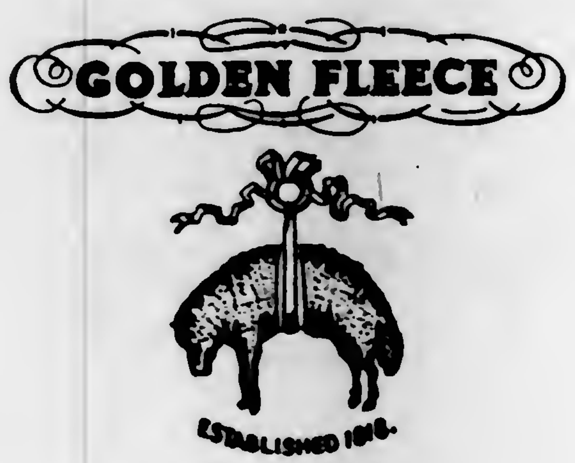
CLASS 17
TOBACCO PRODUCTS

Ser. No. 505,602. Lane Tobacco, Ltd., New York, N. Y., now by change of name to Lane Limited. Filed July 13, 1946.

OLD RARITY

FOR SMOKING TOBACCO.
Claims use since June 1940.

Ser. No. 505,635. Brooks Brothers, New York, N. Y. Filed July 15, 1946.



FOR SMOKING TOBACCO.
Claims use since July 1, 1946.

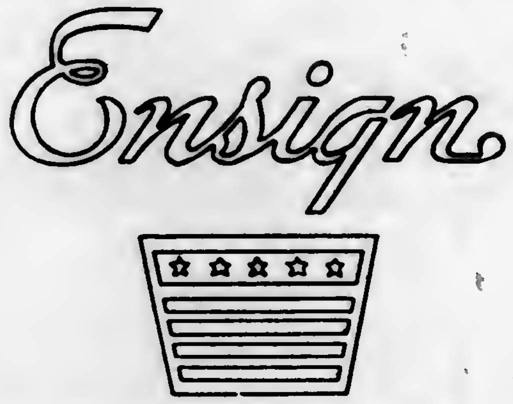
CLASS 21
ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 496,337. Sears, Roebuck and Co., Chicago, Ill. Filed Feb. 9, 1946.

Timinder

FOR CLOCK CONTROLLED TIMING SWITCH FOR TOLLING PRE-DETERMINED TIME INTERVALS.
Claims use since July 1945.

Ser. No. 496,940. Admiral Corporation, Chicago, Ill. Filed Feb. 20, 1946.



FOR DRY CELLS AND DRY BATTERIES.
Claims use since July 19, 1945.

Ser. No. 506,415. Atlas Supply Company, Newark, N. J. Filed July 29, 1946.

PROTECTO-CHARGE

No claim is made to the word "Charge" apart from the mark.

FOR TRICKLE CHARGERS FOR CHARGING STORAGE BATTERIES.
Claims use since June 19, 1946.

Ser. No. 507,570. The Brush Development Company, Cleveland, Ohio. Filed Aug. 17, 1946.

P N

FOR PIEZOELECTRIC CRYSTAL MATERIAL, PARTICULARLY OF THE TYPE PRIMARY AMMONIUM PHOSPHATE.
Claims use since Aug. 9, 1946.

Ser. No. 509,416. The B. F. Goodrich Company, New York, N. Y., and Akron, Ohio. Filed Sept. 20, 1946.

Koroseal

FOR INSULATING TAPE FOR COATING ELECTROPLATING RACKS.
Claims use since 1936; and in script lettering since 1939.

Ser. No. 509,551. Zinsco Electrical Products, Los Angeles, Calif. Filed Sept. 21, 1946.

Zinsco

FOR ELECTRICAL SWITCHBOARDS, PANELBOARDS, SWITCHBOXES, AND CIRCUIT BREAKERS.
Claims use since May 27, 1946.

Ser. No. 509,562. Churchward Engineering Co., New Haven, Conn. Filed Sept. 23, 1946.

DURO

FOR WELDING ELECTRODE HOLDERS AND PARTS THEREOF.
Claims use since July 15, 1941.

Ser. No. 509,767. General Cable Corporation, New York, N. Y. Filed Sept. 26, 1946.

GENCATEL

FOR BARE AND INSULATED ELECTRIC WIRES AND CABLES.
Claims use since May 20, 1946.

Ser. No. 510,016. Display Lighting, Incorporated, New York, N. Y. Filed Oct. 1, 1946.

GIRAFFE

FOR ELECTRIC SPOTLIGHTS AND BOOMLIGHTS AND PARTS THEREOF.
Claims use since Sept. 25, 1946.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 490,098. Sam Beychok, Shreveport, La. Filed Oct. 18, 1945.

Marobee

FOR PLAYGROUND EQUIPMENT—NAMELY, SWINGS, SEESAWS, SLIDING BOARDS, CHINNING BARS, CLIMBING LADDERS FOR CHILDREN'S PLAY, HAMMOCK FRAMES, TENNIS RACQUETS, TENNIS COURT NETS, AND BADMINTON SETS.
Claims use since June 1, 1945.

Ser. No. 491,321. Manuel Gordon, doing business as Gordon Manufacturing Company, Philadelphia, Pa. Filed Nov. 9, 1945.

Health Rider

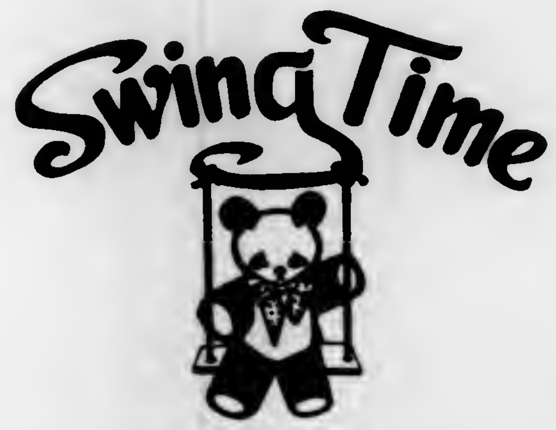
The word "Health" is disclaimed apart from the mark.
FOR SPRING HOBBY HORSES, ROCKING HORSES, AND PLAYGROUND EQUIPMENT—NAMELY, SLIDES AND GYMNASTIC APPARATUS.
Claims use since Mar. 1, 1928.

Ser. No. 493,148. Sav-Way Industries, Detroit, Mich., assignor to Sav-Way Industries, Incorporated, Detroit, Mich., a corporation of Michigan. Filed Dec. 12, 1945.

JET ▾ FLYER

The word "Jet" is disclaimed apart from the mark.
FOR TOY COASTER WAGONS.
Claims use since Dec. 1, 1945.

Ser. No. 496,741. Clyde W. Vassar, San Mateo, Calif., assignor to Sterling Metal Products Company, Redwood City, Calif., a corporation of California. Filed Feb. 16, 1946.



The word "Swing" and the representation of a swing are disclaimed apart from the mark.
FOR BABIES' AND CHILDREN'S TOY PORTABLE SWINGS AND PARTS THEREOF.
Claims use since Jan. 28, 1946.

Ser. No. 498,164. Novelty Mfg. & Sales Corp., Charlotte, N. C. Filed Mar. 13, 1946.

RAINBOW

FOR BUBBLE MAKING OUTFITS COMPRISING BOTTLES OF BUBBLE FORMING LIQUID AND BUBBLE MAKING DEVICES.
Claims use since Feb. 13, 1946.

Ser. No. 516,125. Game Creations, Inc., New York, N. Y. Filed Jan. 22, 1947.

Eloping!

FOR BOARD GAME.
Claims use since Jan. 16, 1947.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 503,565. Gibson Good Tools, Inc., Orange, Mass. Filed June 10, 1946. Under 10-year proviso.

HORSESHOE MAGNET

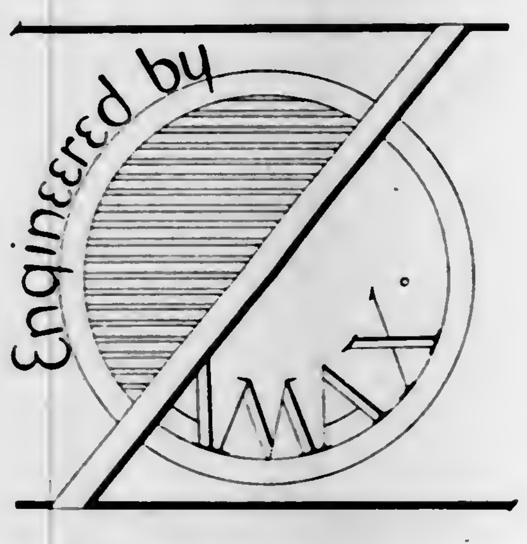
FOR HAMMERS.
Claims use since Nov. 2, 1886.

Ser. No. 503,858. Associated Merchandising Corporation, New York, N. Y. Filed June 14, 1946.

FEATHER-MOW

Applicant disclaims the right to the use of the term "Mow" except as in the association shown.
FOR LAWN MOWERS.
Claims use since May 31, 1946.

Ser. No. 504,415. Zamax Manufacturing Co., Inc., Haverstraw, N. Y. Filed June 21, 1946.



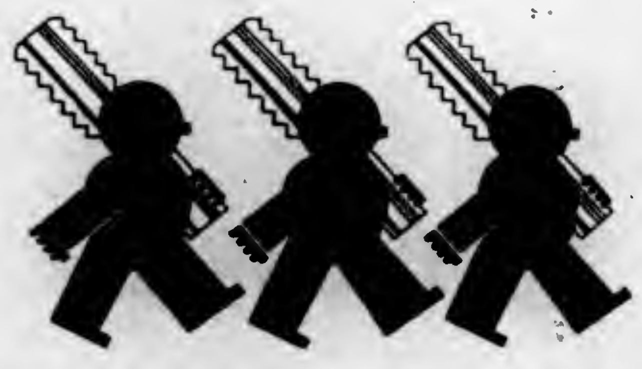
The words "Engineered by" are disclaimed except when used in association with the mark as shown.
FOR HYDRAULIC JACK.
Claims use since June 14, 1946.

Ser. No. 505,030. Alvey Conveyor Manufacturing Co., St. Louis, Mo. Filed July 3, 1946.

ALVEYORS

FOR CONVEYORS OF THE PULLEY TYPE, ROLLER TYPE, INCLINED AND VERTICAL LIFT TYPE, PUSHER-BAR TYPE, GRAVITY SLIDES, AND SPIRAL CHUTES.
Claims use since June 15, 1946.

Ser. No. 505,465. Winter Brothers Company, Wrentham, Mass. Filed July 11, 1946.



Applicant disclaims the exclusive right to use the representation of a tap per se apart from its inclusion with other features of the mark as a whole.
FOR TAPS AND DIES.
Claims use since June 25, 1946.

Ser. No. 506,892. The Patterson Foundry & Machine Co., East Liverpool, Ohio. Filed Aug. 5, 1946.

MATURITE

FOR GRINDING BALLS FOR BALL MILLS, SAID BALLS BEING MADE OF A PLASTIC SILICATE HAVING THE GENERAL NATURE OF PORCELAIN.
Claims use since May 27, 1946.

Ser. No. 507,102. R. F. Bracke & Company, Chicago, Ill. Filed Aug. 9, 1946.

VACTURI

FOR CARBURETORS.
Claims use since 1930.

Ser. No. 507,682. The Lektron Corporation, New York, N. Y. Filed Aug. 20, 1946.

LEKTRON

FOR ELECTRIC SHAVER AND BLADES.
Claims use since Aug. 10, 1946.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 483,079. Omega Machine Co., Providence, R. I. Filed May 7, 1945.

Vitamiser

FOR FEEDERS FOR CONTINUOUSLY AND AUTOMATICALLY PROPORTIONATELY FEEDING POWDERED OR GRANULAR MATERIAL SUCH AS VITAMIN CONCENTRATES, DRY BLEACH, MALT, BROMATE AND THE LIKE, INTO A MASS OF MATERIAL TO BECOME A PART THEREOF.

Claims use since April 1945.

Ser. No. 499,619. General Exhibits & Displays, Inc., Chicago, Ill., assignor to Acme White Lead & Color Works, Detroit, Mich., a corporation of Michigan. Filed Apr. 4, 1946.

Sci-co-lite

No claim is made to the word "Lite" apart from the mark shown.

FOR DIORAMIC MODELS DEMONSTRATING INTERIORS AND EQUIPMENT FOR FACTORIES, SCHOOLS, HOSPITALS, AND OTHER BUILDINGS, USED AS A SCIENTIFIC GUIDE FOR COLOR SELECTIONS.

Claims use since September 1945.

Ser. No. 500,331. Tracerlab, Inc., Boston, Mass. Filed Apr. 16, 1946.

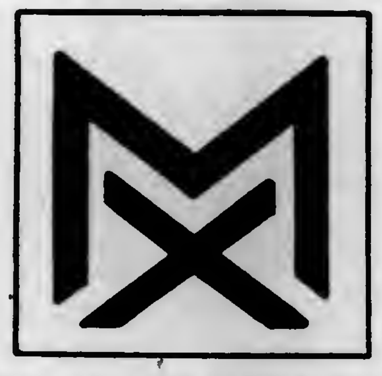
Tracerlab

The shading of the letter "T" and the arrow are an integral part of the trade-mark and are not intended to designate a color.

FOR SCIENTIFIC INSTRUMENTS—NAMELY, APPARATUS FOR MEASURING RADIOACTIVITY SUCH AS GEIGER-MUELLER COUNTERS, IONIZATION GAGES AND SCIENTIFIC APPARATUS USED IN RADIOACTIVITY WORK.

Claims use since Mar. 5, 1946.

Ser. No. 502,445. Magnaflux Corporation, Chicago, Ill. Filed May 20, 1946.



FOR ELECTRICAL APPARATUS FOR DETECTING THE PRESENCE OF METAL PARTICLES IN ELECTRICALLY NONCONDUCTIVE MATERIALS.

Claims use since Oct. 15, 1945.

Ser. No. 504,158. Continental Optical Company, Inc., Indianapolis, Ind. Filed June 19, 1946.

4 COC 5

Applicant is the owner of Reg. No. 213,232 (renewed). The numerals "4" and "5" are hereby disclaimed apart from the mark as shown.

FOR OPHTHALMIC LENS FRAMES AND MOUNTINGS THEREFOR.

Claims use since Jan. 1, 1935.

Ser. No. 504,452. Adolphe Pervy, West Chester, Pa. Filed June 22, 1946.

Langofilm

No claim is made to the term "Film" apart from the mark.

FOR COMBINED SOUND AND PICTURE FILM.

Claims use since Apr. 19, 1946.

Ser. No. 506,571. American Spectacle Co., Inc., New York, N. Y. Filed July 31, 1946.

ASCO

FOR OPTICAL GOODS—NAMELY, SPECTACLES, GOGGLES, LENSES, SUN GLASSES, EYE SHADES, FRAMES, MOUNTINGS, AND PARTS THEREOF.

Claims use since 1872.

Ser. No. 507,893. Diamond Power Specialty Corporation, Detroit, Mich. Filed Aug. 23, 1946.

UTILISCOPE

FOR LIQUID LEVEL GAUGES.

Claims use since June 22, 1946.

Ser. No. 508,150. Federal Manufacturing & Engineering Corp., Brooklyn, N. Y. Filed Aug. 28, 1946.

FEDAR

FOR PHOTOGRAPHIC LENSES.

Claims use since Jan. 1, 1939.

CLASS 27

HOROLOGICAL INSTRUMENTS

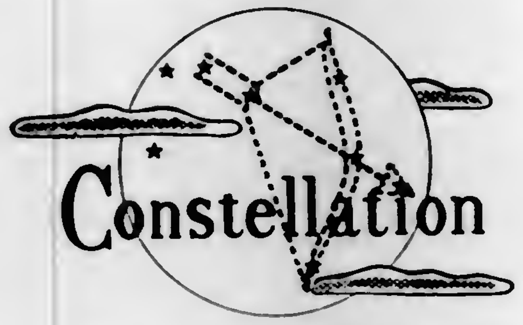
Ser. No. 516,977. The Gruen Watch Company, Cincinnati, Ohio. Filed Feb. 5, 1947.

CONSTELLATION

FOR WATCHES, WATCH CASES, AND WATCH MOVEMENTS.

Claims use since October 1939.

Ser. No. 517,888. Constellation Watch Corp., New York, N. Y. Filed Feb. 21, 1947.



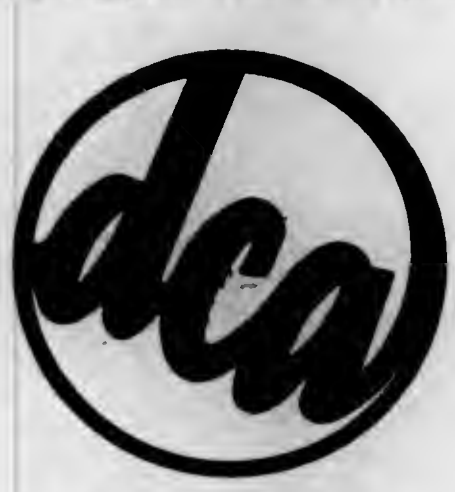
FOR WATCHES AND CLOCKS.

Claims use since Nov. 26, 1946.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 491,276. William Ludel, doing business as Diamond Craft of America, New York, N. Y., assignor to Diamond Craft of America, Inc., New York, N. Y., a corporation of Delaware. Filed Nov. 8, 1945.



FOR DIAMONDS, DIAMONDS MOUNTED IN FINGER RINGS, AND RINGS WITHOUT DIAMONDS.

Claims use since Oct. 11, 1945.

Ser. No. 500,443. Academy Award Products, Inc., New York, N. Y. Filed Apr. 18, 1946.

ACADEMY AWARD

FOR JEWELRY FOR PERSONAL WEAR (NOT INCLUDING WATCHES), FINGER RINGS, BROOCHES, ORNAMENTAL CHAINS, NOVELTY JEWELRY AND THE LIKE, AND TABLE SILVERWARE—NAMELY, STERLING SILVER FLATWARE, AND HOLLOWARE.

Claims use since Feb. 6, 1946.

Ser. No. 502,753. Jewel-Smiths, Inc., Boston, Mass. Filed May 25, 1946.

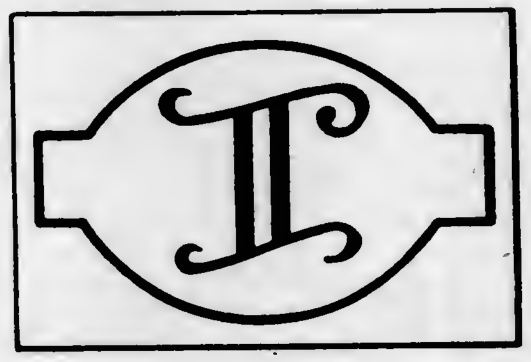
TREVUE JEWELS

Exclusive right to the use of the word "Jewels" is disclaimed apart from the mark shown in the drawing for the purpose of registration, without the waiver of any common-law rights in said word.

FOR JEWELRY FOR PERSONAL WEAR AND METAL ARTICLES OF ADORNMENT, NOT INCLUDING WATCHES—NAMELY, FINGER RINGS, CLIPS, NECKLACES, PINS, EARRINGS, BRACELETS, MOUNTINGS, AND PRECIOUS AND SEMI-PRECIOUS AND IMITATION STONES.

Claims use since Apr. 22, 1946.

Ser. No. 506,686. Alva S. Perry, doing business as A. S. Perry and Associates, Atlanta, Ga. Filed Aug. 1, 1946.



FOR GOLD, GOLD-FILLED, STERLING, AND PLATED JEWELRY FOR PERSONAL WEAR (NOT INCLUDING WATCHES) WITH OR WITHOUT SETTINGS OF PRECIOUS, SEMI-PRECIOUS, SYNTHETIC, OR IMITATION STONES.

Claims use since June 24, 1946.

Ser. No. 507,213. Oneida Ltd., Sherrill and Oneida, N. Y. Filed Aug. 10, 1946.

Morning Star

FOR SILVERPLATED FLAT TABLEWARE.

Claims use since July 27, 1946.

Ser. No. 507,315. Hickok Manufacturing Company, Inc., Rochester, N. Y. Filed Aug. 13, 1946.

CROCODILE GRIP

The word "Grip" is disclaimed apart from the mark as shown and without waiving any common-law rights with respect thereto.

FOR NECKTIE HOLDERS, COLLAR FASTENERS, BELT BUCKLES, MONEY HOLDERS, AND KEY HOLDERS, ALL OF PRECIOUS METALS OR A COMBINATION OF BASE METALS AND PRECIOUS OR SEMI-PRECIOUS METALS.

Claims use since July 12, 1946.

Ser. No. 507,319. Kaufman and Ruderman Co. Inc., New York, N. Y. Filed Aug. 13, 1946.

Blue Nocturne

FOR COSTUME JEWELRY.
Claims use since Aug. 1, 1946.

Ser. No. 508,790. Colonial Mfg. Co., Inc., New York, N. Y. Filed Sept. 10, 1946.

MAGNIFIED

FOR JEWELRY FOR PERSONAL WEAR OR ADORNMENT—NAMELY, FINGER RINGS, EARRINGS, BROOCHES, BRACELETS, NECKLACES, JEWELRY CLIPS, AND LOCKETS.
Claims use since January 1942.

Ser. No. 508,826. Unicorn Products Co., Inc., New York, N. Y. Filed Sept. 10, 1946.

UNI - FLEX

FOR COSTUME JEWELRY—NAMELY, BRACELETS, EARRINGS, BROOCH PINS, LAPEL PINS, LAPEL CLIPS, CHOKERS, FINGER RINGS, AND NECKLACES.
Claims use since May 15, 1946.

Ser. No. 508,943. Jack Urbach, doing business as Lloyd Manufacturing Company, Brooklyn, N. Y. Filed Sept. 12, 1946.

Lyra

FOR SIMULATED PEARLS AND COSTUME JEWELRY.
Claims use since Sept. 4, 1946.

CLASS 29

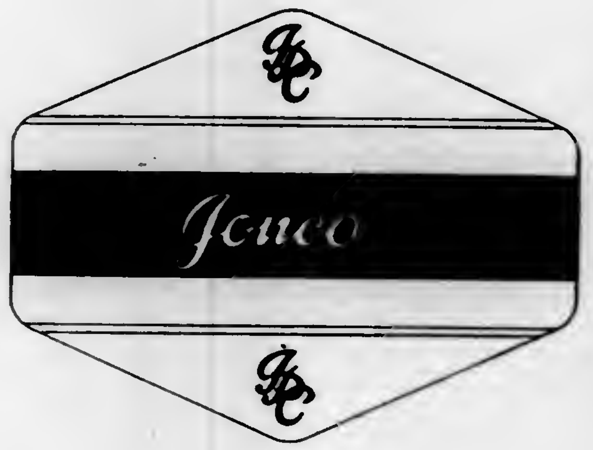
BROOMS, BRUSHES, AND DUSTERS

Ser. No. 506,015. Deco Manufacturing Company, Inc., Los Angeles, Calif. Filed July 22, 1946.

HAPPY GREMLIN

FOR MOPS, BRUSHES, AND DUSTERS FOR HOUSEHOLD CLEANING.
Claims use since January 1946.

Ser. No. 506,172. John M. Johnston, doing business as Jonco Products Company, Hillside, N. J. Filed July 24, 1946.



Applicant disclaims the representation of the outline of the label apart from the mark.
FOR MOPS.
Claims use since March 1946.

Ser. No. 516,237. Whiting Adams Co., Inc., Boston, Mass. Filed Jan. 23, 1947.

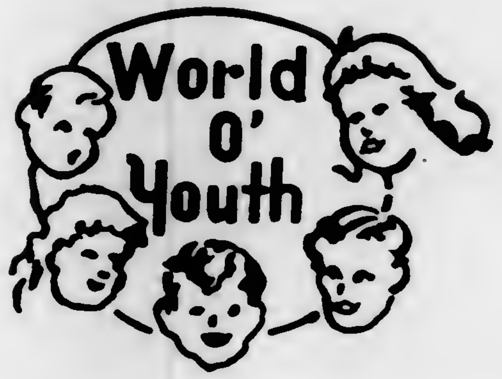
MASTER PAINTER

The word "Painter" is disclaimed apart from the mark, as shown.
FOR PAINT AND CALCIMINE BRUSHES.
Claims use since the year 1916.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 483,737. Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Filed May 24, 1945. Under the act of February 20, 1905, as amended June 10, 1938.



FOR MATTRESSES, PLAYARDS, CRIBS, BEDS, CHAIRS, HIGH CHAIRS, CHIFFOROBES, DOOR AND PORCH SWINGS OF THE GLIDER TYPE FOR BABIES AND CHILDREN, CHAIRS AND AUXILIARY SEATS APPLICABLE TO CHAIRS, AND BASSINETS FOR BABIES, SLEEPING PURPOSES.
Claims use since Jan. 15, 1943.

Ser. No. 493,449. National Mattress Company, Huntington, W. Va. Filed Dec. 17, 1945.

NAMACO

FOR MATTRESSES; BOX SPRINGS; SOFA BEDS; CHILDREN'S CRIBS AND PLAY PENS; HOLLYWOOD BEDS; WOODEN BEDS; METAL BEDS; STUDIO COUCHES; PADS FOR CRIBS AND COTS; HIGH CHAIRS; BASSINETTES; PADDED TOILET-SEAT COVERS, AND PADDED CRIB HAMPERS.
Claims use since June 1943.

Ser. No. 498,205. Company of Master Craftsmen, Inc., Oneida, N. Y. Filed Mar. 14, 1946.

CMC

FOR UPHOLSTERED FURNITURE—NAMELY, CHAIRS, SOFAS, LOVE SEATS, OTTOMANS, OPEN ARMCHAIRS, CHAISE LONGUES, WING CHAIRS; DINING ROOM FURNITURE—NAMELY, SIDE CHAIRS, ARMCHAIRS, CHINA BREAKFRONTS; BEDROOM FURNITURE—NAMELY, BEDS, BUREAUS, CHESTS, SIDE CHAIRS, BENCHES, POWDER TABLES, HIGHBOYS, DRESSING TABLES, NIGHT TABLES, MIRRORS, CHEST-ON-CHESTS; LIVING ROOM FURNITURE—NAMELY, OCCASIONAL TABLES, WRITING TABLES, DESKS, SECRETARY BREAKFRONTS, END TABLES, TIER TABLES; AND EXECUTIVE OFFICE FURNITURE—NAMELY, EXECUTIVE DESKS, END TABLES, SWIVEL CHAIRS, ARMCHAIRS, SIDE CHAIRS.
Claims use since Oct. 8, 1945.

Ser. No. 499,728. National Mattress Company, Huntington, W. Va. Filed Apr. 5, 1946.

HOME BEAUTIFUL

FOR MATTRESSES, BOX SPRINGS, CRIBS, SOFA BEDS, HOLLYWOOD BEDS, CRIB AND COT PADS.
Claims use since Feb. 26, 1946, on sofa beds and Hollywood beds; and since Apr. 6, 1944, on the remaining goods.

Ser. No. 500,446. Academy Award Products, Inc., New York, N. Y. Filed Apr. 18, 1946.

ACADEMY AWARD

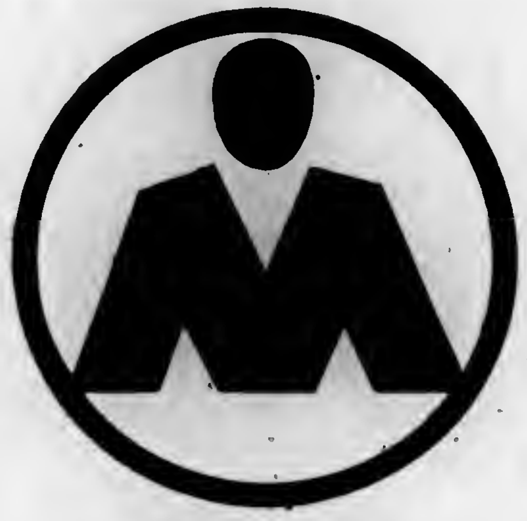
FOR DINING ROOM, LIBRARY, EASY AND ROCKING CHAIRS, DINETTE, DINING, CARD, AND OCCASIONAL TABLES, DIVANS, DAY BEDS, COTS, BEDS, SOFAS, SETTEES, OFFICE AND WRITING DESKS.
Claims use since Feb. 6, 1946.

Ser. No. 502,591. Edward M. Nunes, doing business under the name and style of Palo Pacific Co., San Francisco, Calif. Filed May 22, 1946.

PAL-O-SPORT

FOR SEAT AND BACK REST.
Claims use since Mar. 6, 1946.

Ser. No. 503,211. The Mengel Company, Louisville, Ky. Filed June 3, 1946.



FOR DRESSERS, BUREAUS, HIGHBOYS, CHEST OF DRAWERS, CHIFFONIERS, WARDROBES, VANITIES, BOOK CASES, SECRETARIES, RADIO CABINETS, BUFFETS, SCREENS (FOLDING), MAGAZINE RACKS, CHAIRS OF THE FOLLOWING TYPES: DINING ROOM, CHILD'S HIGH, KITCHEN, LIVING ROOM; BENCHES, STOOLS; AND TABLES OF THE FOLLOWING TYPES: DINING, BEDSIDE, COFFEE, END, CARD, DROP LEAF, EXTENSION, LIBRARY, SERVING.
Claims use since Mar. 26, 1946.

Ser. No. 504,107. Glasdown Corporation, Wilkes-Barre, Pa. Filed June 18, 1946.

GLASDOWN

FOR MATTRESSES, PILLOWS, AND CUSHIONS FILLED WITH INORGANIC MATERIAL IN A FIBROUS CONDITION.
Claims use since Mar. 6, 1946.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 485,502. F. Jaden Manufacturing Co. Inc., Hastings, Nebr. Filed July 6, 1945.

Golden Rod

FOR CENTRIFUGAL STEAM UNIT HEATERS CONSISTING OF A UNIT INCLUDING ENCASED HEATING TUBES AND AN ASSOCIATED BLOWER, AND USUALLY A MOTOR AND LOUVERS, AND SOMETIMES EQUIPPED WITH HUMIDIFYING NOZZLES AND SOLENOID VALVE CONTROLS.
Claims use since June 1938.

Ser. No. 497,491. The Ohio Stove Company, Portsmouth, Ohio. Filed Mar. 1, 1946.

PORTA-GRILL

The word "Grill" is disclaimed apart from the mark as shown.

FOR BARBECUE GRILLS FOR SOLID FUELS—NAMELY, COAL, WOOD, CHARCOAL, METACETALDEHYDE, AND PEAT.

Claims use since Feb. 15, 1946.

Ser. No. 509,508. Flynn and Embich Company, Baltimore, Md. Filed Sept. 21, 1946.

F&E

FOR INDUSTRIAL AND DOMESTIC COAL STOKERS.

Claims use since May 4, 1932.

CLASS 37

PAPER AND STATIONERY

Ser. No. 505,145. Courier Papeteries, Minneapolis, Minn. Filed July 3, 1946.

FLOWER O' THE MONTH

FOR STATIONERY—NAMELY, WRITING PAPER AND ENVELOPES.

Claims use since Apr. 12, 1945.

Ser. No. 506,056. Novelté Papeteries, Inc., Colorado Springs, Colo. Filed July 22, 1946.

Du-etts

FOR STATIONERY—NAMELY, WRITING PAPER AND NOTE PAPER.

Claims use since on or about June 5, 1946.

Ser. No. 506,286. Amberg File and Index Company, Kankakee, Ill. Filed July 26, 1946.

Gay Nineties

FOR SCRAP BOOKS AND ALBUMS.

Claims use since Jan. 30, 1946.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 475,657. The Kingsway Press, Inc., New York, N. Y., assignor to Basic Publications, Inc., New York, N. Y. Filed Oct. 24, 1944.

YOUR SUCCESS

FOR MAGAZINE PUBLISHED FROM TIME TO TIME.

Claims use since Oct. 5, 1944.

Ser. No. 480,282. Electrolux Corporation, New York, N. Y. Filed Feb. 27, 1945.

ELECTROLUX NEWS

No claim is made to the word "News" apart from its association with the word "Electrolux."

FOR WEEKLY PUBLICATIONS—NAMELY, HOUSE ORGANS.

Claims use since November 1925.

Ser. No. 495,006. Basic Publications, Inc., New York, N. Y. Filed Jan. 19, 1946.

SUCCESS TODAY

FOR MAGAZINE PUBLISHED FROM TIME TO TIME.

Claims use since Jan. 14, 1946.

Ser. No. 500,578. Scientific Development Corporation, New York, N. Y. Filed Apr. 19, 1946.

PUBLIC DOMAIN

FOR MAGAZINE PUBLISHED WEEKLY.

Claims use since March 1946.

Ser. No. 501,549. Robert P. Wilhelm, doing business as Mailcraft, New York, N. Y. Filed May 6, 1946.

MAILCRAFT

FOR MULTIGRAPHED TRADE LISTS, READY FOR USE AND SOLD AS SUCH.

Claims use since Sept. 2, 1943.

Ser. No. 504,379. Newsstand Publications Inc., New York, N. Y. Filed June 21, 1946.

COMPLETE WESTERN BOOK *Magazine*

Applicant disclaims the descriptive words "Complete," "Book" and "Magazine" separately from the mark as shown.

FOR MAGAZINE OR PUBLICATION PUBLISHED PERIODICALLY.

Claims use since April 1933.

CLASS 39

CLOTHING

Ser. No. 466,949. Dr. A. Posner Shoes, Inc., New York, N. Y. Filed Jan. 28, 1944.

Ritestart

FOR SHOES MADE OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF.

Claims use since August 1938.

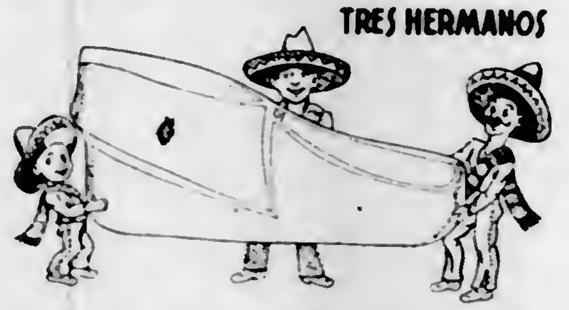
Ser. No. 494,735. Boyd-Richardson Company, St. Louis, Mo. Filed Jan. 14, 1946.

PLEDGEWORTH

FOR MEN'S SUITS, OVERCOATS, TOPCOATS, HATS, OUTER SHIRTS, AND LEATHER SHOES.

Claims use since 1924 on men's suits, overcoats, and topcoats; and since 1927 on men's hats, shirts, and shoes.

Ser. No. 500,390. Tres Hermanos, Albuquerque, N. Mex. Filed Apr. 17, 1946.



The pictures of the three men are fanciful. No claim is made to the exclusive use of the picture of the moccasin which appears on the drawing.

FOR SHOES MADE OF LEATHER.

Claims use since Mar. 20, 1946.

Ser. No. 504,605. Clausen and Company, Charlotte, N. C. Filed June 26, 1946.

SPADS

FOR SHOES.

Claims use since June 7, 1946.

Ser. No. 505,982. G. M. Poix, Inc., New York, N. Y. Filed July 20, 1946.

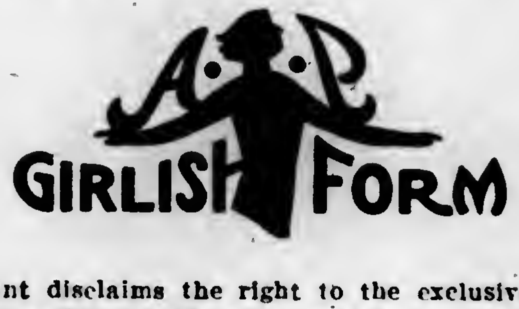
A. P. DOUBLE SUPPORT

Applicant disclaims the right to the exclusive use of the notation "Double Support."

FOR BRASSIÈRES.

Claims use since June 1, 1934.

Ser. No. 505,984. G. M. Poix, Inc., New York, N. Y. Filed July 20, 1946.



Applicant disclaims the right to the exclusive use of the notation "Girlish Form" except in the relation and association shown.

FOR BRASSIÈRES.

Claims use since Aug. 15, 1932.

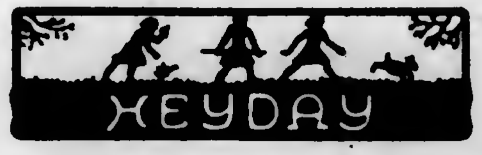
Ser. No. 508,156. Inter-Allied Slipper Co., Inc., New York, N. Y. Filed Aug. 28, 1946.

Karpeds

FOR MEN'S AND WOMEN'S SLIPPERS MADE OF LEATHER, FABRIC INCLUDING CORDUROY, AND COMPOSITION.

Claims use since Aug. 1, 1946.

Ser. No. 508,395. Victory Shoe Company, St. Louis, Mo. Filed Aug. 31, 1946.



FOR WOMEN'S AND GIRLS' SHOES OF LEATHER, FABRIC, RUBBER, PLASTICS, AND/OR COMBINATIONS THEREOF.

Claims use since Aug. 19, 1946.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 504,536. Louis Feder, New York, N. Y. Filed June 25, 1946.

FEDER-TASHAY

Applicant disclaims the word "Feder" apart from the mark.

FOR HAIR GOODS, MADE OF HUMAN HAIR—NAMELY, WIGS AND TOUPEES.

Claims use since May 9, 1946.

Ser. No. 504,537. LOUIS FEDER, New York, N. Y. Filed June 25, 1946.

TASHAY

FOR HAIR GOODS, MADE OF HUMAN HAIR—NAMELY, WIGS AND TOUPEES.

Claims use since May 9, 1946.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 471,789. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed June 29, 1944.

CELASHAN

FOR PIECE GOODS MADE OF CELLULOSE DERIVATIVES ALONE AND IN ADMIXTURE WITH COTTON, WOOL OR SILK.

Claims use since June 27, 1944.

Ser. No. 484,317. PARAGON ART & LINEN CO. INC., New York, N. Y. Filed June 8, 1945.

Paragon Needlecraft

The word "Needlecraft" is disclaimed except in connection with the remainder of the mark as shown.

FOR FINISHED DECORATIVE LINENS—NAMELY, COCKTAIL NAPKINS, TOWELS, PILLOWCASES, TABLECLOTHS, LUNCHEON SETS, BRIDGE SETS, AND CHAIR BACK SETS.

Claims use since Apr. 27, 1945.

Ser. No. 502,068. G. & G. KYNOCH LIMITED, London, England. Filed May 14, 1946.

TWISTEX

FOR TEXTILE PIECE GOODS OF WOOL, WORSTED, AND HAIR.

Claims use since Mar. 6, 1925.

Ser. No. 504,212. REMOND, HOLLAND, INC., New York, N. Y. Filed June 19, 1946.

RÉFLECTION

FOR TEXTILE FABRICS—NAMELY PIECE GOODS OF RAYON AND SILK.

Claims use since May 14, 1946.

CLASS 43

THREAD AND YARN

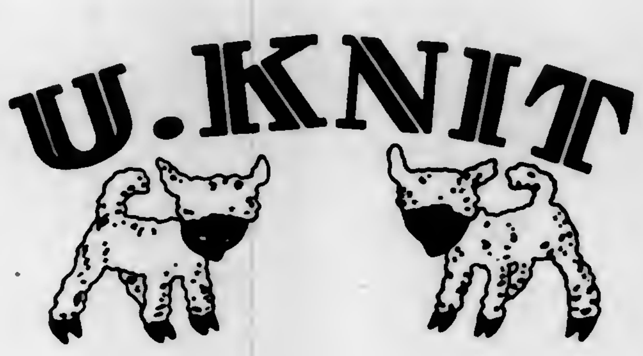
Ser. No. 502,129. EMPIRE RAYON YARN CO., INC., New York, N. Y. Filed May 15, 1946.

DURAFLOSS
"It's in the Spread"

FOR RAYON YARN.

Claims use since June 15, 1935.

Ser. No. 509,518. KNITTERS YARN, INC., Philadelphia, Pa. Filed Sept. 21, 1946.



No claim is made to the exclusive use of the word "Knit" apart from the mark.

FOR YARN.

Claims use since June 25, 1946.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 502,871. MAX AMS INCORPORATED, New York, N. Y. Filed May 28, 1946.

Clovernook

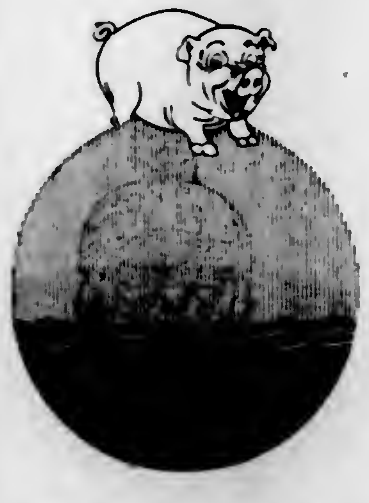
FOR APPLE JUICE FOR BEVERAGE PURPOSES.

Claims use since Apr. 9, 1946.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 464,612. JEFFERSON ISLAND SALT COMPANY, Louisville, Ky. Filed Nov. 2, 1943.

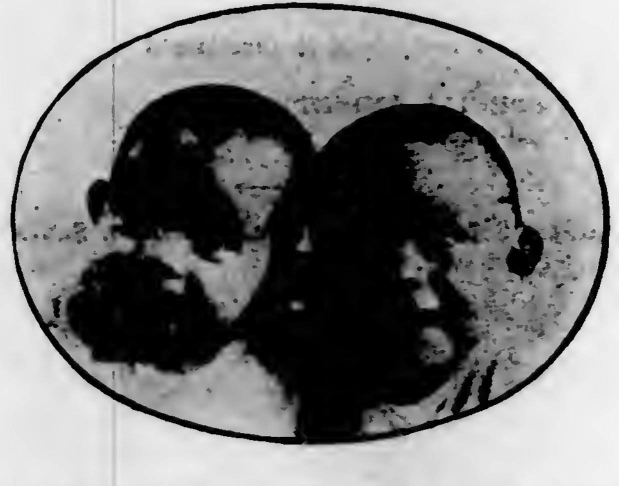


The drawing is lined for red and the space below the top wavy line is colored black. No claim is made to the representation of a pig except as in the form and arrangement shown in the drawing.

FOR SALT.

Claims use since Sept. 21, 1943.

Ser. No. 476,849. THE PAGE MILK CO., Merrill, Wis. Filed Nov. 24, 1944.



The picture shown in the drawing is that of Dorothy and Nancy Patterson, consent given.

FOR SPECIAL VITAMIN A AND VITAMIN D ENRICHED EVAPORATED MILK.

Claims use since February 1940.

Ser. No. 482,051. COOPERATIVE MILLS, INC., Baltimore, Md. Filed Apr. 12, 1945.

Southern Breakfast

No claim is made to the word "Breakfast" apart from the mark.

FOR MIXTURE OF INGREDIENTS FOR MAKING PANCAKES.

Claims use since Aug. 14, 1944.

Ser. No. 482,289. B. L. LANCASTER COMPANY, Sacramento, Calif. Filed Apr. 18, 1945.

BRET HARTE

The mark consists of the name of the famous California author, now deceased.

FOR DRIED PRUNES, DRIED RAISINS, VINEGAR, AND TOMATO CATSUP.

Claims use since Mar. 26, 1945.

Ser. No. 490,529. CON G. COWAN, doing business as Con Cowan Co., Los Angeles, Calif. Filed Oct. 26, 1945.

CHAMP

FOR SHELLED SALTED PEANUTS.

Claims use since Aug. 10, 1945.

Ser. No. 493,778. H. A. IRVING, San Francisco, Calif. Filed Dec. 22, 1945.

Sea Pride

No claim is made to the word "Sea" apart from the mark as shown. Applicant is the owner of registration No. 216,949, dated Aug. 24, 1926.

FOR CANNED FISH.

Claims use since Jan. 2, 1926.

Ser. No. 494,900. GOLDSBY-EVANS PRODUCE CO., Phoenix, Ariz. Filed Jan. 17, 1946.

MAR·VO

FOR FRESH VEGETABLES AND MELONS—NAMELY, WATERMELONS, HONEYDEW MELONS, AND CANTELOUPES.

Claims use since Nov. 15, 1944.

Ser. No. 498,597. CLINTON INDUSTRIES, INC., doing business as Veribrite Factory, Chicago, Ill., assignor to Chase Candy Company, a corporation of Missouri. Filed Mar. 20, 1946.

BLACKOUT

FOR CANDY.

Claims use since Mar. 29, 1940.

Ser. No. 500,383. FLORASYNTH LABORATORIES INCORPORATED, New York, N. Y. Filed Apr. 17, 1946.

PROTOVAN

FOR FLAVORING EXTRACTS USED IN FOODS AND FOR FOOD PURPOSES.
Claims use since August 1937.

Ser. No. 501,829. FRANK COUKOULIS, doing business as Mary Ellen Candy Company, Des Moines, Iowa. Filed May 10, 1946.

FOR CANDIES.
Claims use since Nov. 15, 1945.

Ser. No. 503,624. ARIZONA CITRUS PRODUCTS COMPANY, Mesa, Ariz. Filed June 11, 1946.

MESA HARVEST

FOR FRESH CITRUS FRUITS.
Claims use since Feb. 1, 1942.

Ser. No. 505,198. IGNAZIO GRIMALDI, Modesto, Calif. Filed July 8, 1946.

Pride of Modesto

No claim is made to the word Modesto apart from the mark as shown.
FOR FRESH GRAPES.
Claims use since June 11, 1946.

Ser. No. 507,085. SWIFT & COMPANY, Chicago, Ill. Filed Aug. 8, 1946. Under section 5b of the act of 1905 as amended in 1920.

SWIFT'S

FOR FOOD FOR CARNIVEROUS ANIMALS.
Claims use since January 1943.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 471,118. NICOMEDES GARCIA GOMEZ, Segovia, Spain. Filed June 10, 1944.

The representation of the bottle appears as a part of the mark only to illustrate the design appearing upon the labels affixed thereto and is disclaimed. The wording appearing upon the labels is disclaimed apart from the mark as shown.
FOR A SPECIAL ANISETTE.
Claims use since 1928.

Ser. No. 481,885. JUAN JOSE DEL COLLADO, Santa Clara, Cuba. Filed Apr. 9, 1945.

Mambí

FOR DRY GIN, ANISETTE, WHISKEY, MOTHER RUM, ORANGE CREAM, CREAM OF CACAO, CREAM OF MINT, CREAM OF COGNAC, CURACAO, MARRASQUINO, BRANDIES OF ALL KINDS, AND RUM.
Claims use since 1943.

Ser. No. 498,557. WESTERN UNITED DISTRIBUTORS, San Francisco, Calif. Filed Mar. 19, 1946.

NORTHERN CUSTOM

FOR BRANDY.
Claims use since Jan. 31, 1946.

Ser. No. 498,558. WESTERN UNITED DISTRIBUTORS, San Francisco, Calif. Filed Mar. 19, 1946.

Grape Gold

The word "Grape" is disclaimed apart from the mark as shown.
FOR BRANDY.
Claims use since Jan. 31, 1946.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 502,923. RUBICON, New York, N. Y., assignor to Rubicon, Inc. Filed May 28, 1946.

CHARM-LITE

Applicant disclaims any exclusive right to the word "Lite" apart from the mark.
FOR LAMPS CONTAINING LIQUID WHICH WHEN BURNED CREATES A DEODORIZING EFFECT.
Claims use since Jan. 1, 1946.

Ser. No. 505,792. ALUMINUM SEAL COMPANY, Arnold, Pa. Filed July 18, 1946.

ALSECO

Applicant is the owner of registration No. 294,932, issued June 14, 1932.
FOR CAPS AND CLOSURE SEALS FOR BOTTLES AND OTHER CONTAINERS.
Claims use since June 7, 1944.

Ser. No. 505,793. ALUMINUM SEAL COMPANY, Arnold, Pa. Filed July 18, 1946.

STERICAP

FOR CAPS AND CLOSURE SEALS FOR BOTTLES AND OTHER CONTAINERS.
Claims use since June 24, 1945.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF FEBRUARY 20, 1905

APRIL 15, 1947

428,963. WOMEN'S HATS. Emporium World Millinery Co., Chicago, Ill.
Filed February 20, 1943. Serial No. 458,650. PUBLISHED APRIL 20, 1943. Class 39.

428,964. LAMINATED WRAPPING MATERIAL. Shellmar Products Company, Mount Vernon, Ohio, assignor to Shellmar Products Corporation, Mount Vernon, Ohio, a corporation of Delaware.
Filed January 14, 1944. Serial No. 466,591. PUBLISHED JULY 31, 1945. Class 37.

428,965. COLOR PRINTED TRANSPARENT CELLULOSE SHEETING AND WRAPPERS. Shellmar Products Company, Mount Vernon, Ohio, assignor to Shellmar Products Corporation, Mount Vernon, Ohio, a corporation of Delaware.
Filed January 14, 1944. Serial No. 466,593. PUBLISHED JULY 31, 1945. Class 37.

428,966. MEN'S AND WOMEN'S COATS, MEN'S TROUSERS, DRESS AND WORK SHIRTS, AND NECKTIES. A. Sagner's Son, Frederick, Md.
Filed February 2, 1944. Serial No. 467,111. PUBLISHED FEBRUARY 4, 1947. Class 39.

428,967. QUILTED OUTER GARMENTS—NAMELY, HOODS, JACKETS, VESTS, AND TROUSERS, AND SLEEPING BAGS. Eddie Bauer, doing business as Arctic Feather & Down Co., Seattle, Wash.
Filed April 3, 1944. Serial No. 468,938. PUBLISHED AUGUST 13, 1946. Class 39.

428,968. STEEL AND SINTERED OR CAST HARD METAL COMPOSITION OR ALLOY SUITABLE FOR CUTTING TOOLS, DIES, ABRASION RESISTING ARTICLES, AND THE LIKE. Latrobe Electric Steel Company, Latrobe, Pa.
Filed May 25, 1944. Serial No. 470,616. PUBLISHED JUNE 4, 1946. Class 14.

428,969. STEEL AND SINTERED OR CAST HARD METAL COMPOSITION OR ALLOY SUITABLE FOR CUTTING TOOLS, DIES, ABRASION RESISTING ARTICLES, AND THE LIKE. Latrobe Electric Steel Company, Latrobe, Pa.
Filed May 25, 1944. Serial No. 470,617. PUBLISHED JUNE 4, 1946. Class 14.

428,970. ELECTRICAL WIRES AND CABLES. Western Insulated Wire Inc., Los Angeles, Calif.
Filed August 28, 1944. Serial No. 473,684. PUBLISHED JANUARY 21, 1947. Class 21.

428,971. SOY BEAN POWDER PREPARATION, HAVING A GENERAL USE IN THE INDUSTRIAL ARTS IN THE MANUFACTURE OF PAPER, LINOLEUM, OIL CLOTH, PAINT, LEATHER DRESSING AND COATINGS. Central Soya Company, Inc., Fort Wayne, Ind.
Filed October 16, 1944. Serial No. 475,358. PUBLISHED FEBRUARY 4, 1947. Class 1.

428,972. LIQUID PLASTIC COATING FOR FINISHING AND PROTECTING FLOORS, LINOLEUM, FURNITURE, ETC. Victor Unterbrink, doing business as Plastic Products, Ottawa, Ohio.
Filed January 23, 1945. Serial No. 478,938. PUBLISHED JULY 24, 1945. Class 16.

428,973. TOILET SOAPS, AND SHAVING SOAPS. Le Sonier, Inc., Boston, Mass.
Filed February 16, 1945. Serial No. 479,883. PUBLISHED JANUARY 14, 1947. Class 4.

428,974. WOMEN'S, MISSES' AND CHILDREN'S SHOES OF LEATHER, FABRIC, OR RUBBER, OR COMBINATIONS OF SAID MATERIALS. Tweedie Footwear Corporation, Jefferson City, Mo.
Filed February 19, 1945. Serial No. 480,002. PUBLISHED JANUARY 28, 1947. Class 39.

428,975. STEEL WOOL, PUMICE, AND OTHER POLISHING STONES. James H. Rhodes & Company, Chicago, Ill.
Filed March 15, 1945. Serial No. 480,961. PUBLISHED JANUARY 7, 1947. Class 4.

428,976. MEN'S, BOYS', AND YOUTHS' BATH ROBES, AND LOUNGING ROBES, SPORT SHIRTS, SPORT COATS, LOAFER COATS, ETC. Mac Bar Sportswear Co., New York, N. Y.
Filed May 2, 1945. Serial No. 482,883. PUBLISHED JANUARY 14, 1947. Class 39.

428,977. RADIO KNOBS, BEZELS, AND ESCUTCHEONS. Syracuse Ornamental Co., Syracuse, N. Y.
Filed May 11, 1945. Serial No. 483,247. PUBLISHED JANUARY 28, 1947. Class 21.

428,978. INFANTS' AND CHILDREN'S SHOES MADE OF LEATHER AND FABRIC. Oliver F. Schmidt, doing business as Great Lakes Shoe Company, Oconto, Wis.
Filed June 11, 1945. Serial No. 484,430. PUBLISHED FEBRUARY 4, 1947. Class 39.

428,979. INCANDESCENT LAMPS. Duro-Test Corporation, North Bergen, N. J., and elsewhere.
Filed June 29, 1945. Serial No. 485,205. PUBLISHED JANUARY 21, 1947. Class 21.

428,980. SUSPENDERS, GARTERS, GARMENT BELTS, HANDKERCHIEFS, AND SHOES AND SLIPPERS MADE OF LEATHER, FABRIC, AND/OR RUBBER, OR COMBINATIONS THEREOF. Milton Tarshes & Co., New York, N. Y.
Filed June 29, 1945. Serial No. 485,250. PUBLISHED FEBRUARY 4, 1947. Class 39.

428,981. ABRASIVE POLISHING AND DEBURRING PAD. Rice Brothers, Chicago, Ill.
Filed July 2, 1945. Serial No. 485,369. PUBLISHED JANUARY 28, 1947. Class 4.

428,982. GAME APPARATUS COMPRISING PLAYBOARD, DICE, AND PLAYING PIECES. Woodrow M. Childs, Alameda, Calif.
Filed July 17, 1945. Serial No. 485,933. PUBLISHED FEBRUARY 4, 1947. Class 22.

428,983. GLOVES AND MITTENS OF LEATHER, FABRIC, AND OF COMBINATIONS THEREOF; HOSIERY, SWEATERS, POLO SHIRTS, ETC. The Alms & Doepke Co., Cincinnati, Ohio.
Filed July 25, 1945. Serial No. 486,238. PUBLISHED JANUARY 21, 1947. Class 39.

428,984. MEN'S AND BOYS' JACKETS, PARKAS, FINGER-TIP COATS, SNOW SUITS, MACKINAWS, ULSTERS, REVERSIBLE COATS, ETC. Fried, Ostermann Co., Milwaukee, Wis.
Filed August 6, 1945. Serial No. 486,763. PUBLISHED MARCH 5, 1946. Class 39.

428,985. SHOES MADE OF LEATHER, FABRIC, AND RUBBER, AND COMBINATIONS OF THE SAME. Monarch Shoe Co., Inc., Chicago, Ill.
Filed August 6, 1945. Serial No. 486,798. PUBLISHED FEBRUARY 4, 1947. Class 39.

428,986. FRICTION FLUID-SPARK, VAPOR POCKET LIGHTERS. Atomic Lighter Corporation, New York, N. Y.
Filed August 28, 1945. Serial No. 487,657. PUBLISHED NOVEMBER 20, 1945. Class 34.

428,987. ELECTRICAL MOTORS AND GENERATORS. Hansen Manufacturing Company, Inc., Princeton, Ind.
Filed August 29, 1945. Serial No. 487,728. PUBLISHED JANUARY 14, 1947. Class 21.

428,988. MEN'S NECKTIES AND SCARFS. France Neckwear Co., Inc., New York, N. Y.
Filed September 11, 1945. Serial No. 488,261. PUBLISHED JANUARY 14, 1947. Class 39.

428,989. MOBILE AND FIXED STATION RADIO RECEIVING AND TRANSMITTING COMMUNICATION APPARATUSES SOLD AS COMPLETED UNITS, ETC. Aireon Manufacturing Corporation, Kansas City, Kans., and Burbank, Calif.
Filed September 12, 1945. Serial No. 488,800. PUBLISHED JANUARY 14, 1947. Class 21.

428,990. MAGAZINE PUBLISHED MONTHLY AND CARRYING TRUE LIFE STORIES, SHORT SUBJETS, AND EDITORIALS FOR COLORED PEOPLE. H. J. Blackwell, doing business as The World's Messenger Publishing Company, Fort Worth, Tex.
Filed September 17, 1945. Serial No. 488,566. PUBLISHED JANUARY 14, 1947. Class 38.

428,991. LEAF TOBACCO. The Tobacco Rehandling Co. Ltd., Louisville, Ky.
Filed September 28, 1945. Serial No. 489,157. PUBLISHED JANUARY 28, 1947. Class 17.

428,992. SYNTHETIC RUBBER BASE PAINT. Clowes M. Christie, doing business as Latex Co., Los Angeles, Calif.
Filed October 8, 1945. Serial No. 489,563. PUBLISHED AUGUST 13, 1946. Class 16.

428,993. NECKLACES, BRACELETS, FINGER RINGS, EARRINGS, JEWELRY CLIPS, BROOCHES, LOCKETS, ETC. Coro, Inc., New York, N. Y.
Filed October 13, 1945. Serial No. 489,901. PUBLISHED JANUARY 21, 1947. Class 28.

428,994. ELECTRICAL APPARATUS FOR THE COMMINUTION AND DISPOSAL OF KITCHEN AND LIKE WASTE AND PARTS OF SUCH APPARATUS. Aireon Manufacturing Corporation, Kansas City, Kans., assignor, by mesne assignments, to Thomas W. Berger, Inc., Cincinnati, Ohio, a corporation.
Filed October 17, 1945. Serial No. 490,047. PUBLISHED DECEMBER 17, 1946. Class 21.

428,995. MEN'S AND WOMEN'S LEATHER AND CLOTH SPORTS JACKETS, FLYING JACKETS, AND SURCOATS; SHEEPSKIN LINED MACKINAWS, ETC. Poughkeepsie Leather Coat Company, Inc., Poughkeepsie, N. Y.
Filed October 19, 1945. Serial No. 490,211. PUBLISHED JUNE 18, 1946. Class 39.

428,996. ELECTRICAL CONDUCTING WIRE. Essex Wire Corporation, Detroit, Mich.
Filed October 29, 1945. Serial No. 490,641. PUBLISHED JANUARY 14, 1947. Class 21.

428,997. TOY HOLSTER SETS WITH A PLASTIC WHISTLE GUN. The Pyro Plastics Company, Westfield, N. J.
Filed November 8, 1945. Serial No. 491,284. PUBLISHED FEBRUARY 4, 1947. Class 22.

428,998. ELECTRICAL EQUIPMENT—NAMELY, ELECTRIC LIGHT BULBS. International Brotherhood of Electrical Workers, Washington, D. C.
Filed November 9, 1945. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 491,322. PUBLISHED JANUARY 28, 1947. Class 21.

428,999. ASH TRAYS AND CIGARETTE HOLDERS FOR TABLE TOP USE. Concord Products Corporation, Chicago, Ill.
Filed November 15, 1945. Serial No. 491,630. PUBLISHED JANUARY 28, 1947. Class 8.

429,000. MEN'S JACKETS. John Alexander of New Haven, Incorporated, New Haven, Conn.
Filed November 26, 1945. Serial No. 492,170. PUBLISHED JANUARY 14, 1947. Class 39.

429,001. WOMEN'S, MISSES', AND CHILDREN'S DRESSES. Korach Brothers, Chicago, Ill.
Filed November 29, 1945. Serial No. 492,385. PUBLISHED FEBRUARY 4, 1947. Class 39.

429,002. WOMEN'S, MISSES', AND CHILDREN'S DRESSES. Korach Brothers, Chicago, Ill.
Filed November 29, 1945. Serial No. 492,386. PUBLISHED FEBRUARY 4, 1947. Class 39.

429,003. LIQUID PREPARATION TO BE APPLIED TO A SURFACE TO PREVENT SLIPPING IN SHOWERS, BATHTUBS, AND THE LIKE. Rygene Products, Inc., New York, N. Y.
Filed November 29, 1945. Serial No. 492,399. PUBLISHED JANUARY 7, 1947. Class 4.

429,004. SILVER PLATED HOLLOW-WARE. Sol Goldfeder, New York, N. Y.
Filed November 30, 1945. Serial No. 492,435. PUBLISHED JANUARY 21, 1947. Class 28.

429,005. LADIES', MISSES', AND GIRLS' DRESSES, APRONS, SLIPS, PLAYSUITS, PINAFORES, AND BLOUSES. Meadtex Fabrics Co., New York, N. Y.
Filed Dec. 5, 1945. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 492,726. PUBLISHED FEBRUARY 4, 1947. Class 39.

429,006. POWDERED DETERGENT COMPOSITIONS COMPRISING SYNTHETIC ORGANIC AND ALKALINE DETERGENT COMPOUNDS. Paul W. Garbo, Long Beach, N. Y.
Filed December 6, 1945. Serial No. 492,770. PUBLISHED JANUARY 14, 1947. Class 4.

429,007. GAME OF THE TYPE HAVING A HANDLE PORTION AND PADDLE WHICH CONTAINS A PLURALITY OF CUP-LIKE CAVITIES. Monte Ball Products, Chicago, Ill.
Filed December 6, 1945. Serial No. 492,782. PUBLISHED FEBRUARY 4, 1947. Class 22.

429,008. ELECTRICAL MOTORS. The Brown-Brockmeyer Company, Dayton, Ohio.
Filed December 11, 1945. Serial No. 493,038. PUBLISHED JANUARY 14, 1947. Class 21.

429,009. TOYS—NAMELY, BALL AND TARGET TOYS OF THE CHARACTER HAVING TARGETS IN THE FORM OF PINS, ETC. Electronic Laboratories, Inc., Indianapolis, Ind.
Filed December 12, 1945. Serial No. 493,109. PUBLISHED FEBRUARY 4, 1947. Class 22.

429,010. COASTERS, GLASS HOLDERS AND TRAYS, MAINLY OR ENTIRELY OF FIBROUS MATERIAL, CORK, ARTIFICIAL WOOD OR PLASTIC MATERIAL, FOR ALL KINDS OF BEVERAGE GLASSES INCLUDING ICE TUBS, DECANTERS, AND PITCHERS. Michaelian & Kohlberg, Inc., New York, N. Y.
Filed December 14, 1945. Serial No. 493,272. PUBLISHED FEBRUARY 4, 1947. Class 2.

429,011. TRANSFORMERS. The Gulow Corporation, New York, N. Y.
Filed December 28, 1945. Serial No. 493,954. PUBLISHED JANUARY 28, 1947. Class 21.

429,012. STEEL USED FOR DIE BLOCKS, SOW BLOCKS, AND FORGED PARTS FOR DROP HAMMERS AND OTHER FORGING MACHINES. A. Finkl & Sons Company, Chicago, Ill.
Filed January 9, 1946. Serial No. 494,486. PUBLISHED JANUARY 7, 1947. Class 14.

429,013. RUBBER HEELS AND SOLES. Hanover Rubber Company, West Hanover, Mass.
Filed January 29, 1946. Serial No. 495,605. PUBLISHED JANUARY 14, 1947. Class 39.

429,014. TOILET SOAPS. Grace V. Neff, Chicago, Ill.
Filed January 30, 1946. Serial No. 495,684. PUBLISHED JANUARY 21, 1947. Class 4.

429,015. DENTAL AMALGAM. Products Center Inc., New York, N. Y.
Filed February 1, 1946. Serial No. 495,823. PUBLISHED FEBRUARY 4, 1947. Class 44.

429,016. CARBON BLACK DISPERSED OR SUSPENDED IN WATER. Witco Chemical Company, Chicago, Ill.
Filed February 1, 1946. Serial No. 495,849. PUBLISHED FEBRUARY 4, 1947. Class 1.

429,017. THERMOSETTING SYNTHETIC RESINS IN LIQUID FORM FOR SATURATION, LAMINATION, CASTING, AND MOLDING PURPOSES. United States Rubber Company, New York, N. Y.
Filed February 5, 1946. Serial No. 496,053. PUBLISHED FEBRUARY 4, 1947. Class 1.

429,018. HAND CLEANING COMPOSITION. Tudor Chemical Specialties, Inc., New York, N. Y.
Filed February 7, 1946. Serial No. 496,175. PUBLISHED JANUARY 28, 1947. Class 4.

429,019. PREPARATION FOR CLEANING WHITE METAL, BRASS AND COPPER—NAMELY, AEROPLANE AND AUTOMOBILE PARTS, SUCH AS CARBURETORS; ALSO BRONZE, ALUMINUM, AND IRON. Romar Chemical Company, Philadelphia, Pa.
Filed February 15, 1946. Serial No. 496,665. PUBLISHED JANUARY 28, 1947. Class 4.

429,020. DENTURE RESURFACER. Richard C. Eppstein, Toledo, Ohio.
Filed February 16, 1946. Serial No. 496,692. PUBLISHED FEBRUARY 4, 1947. Class 44.

429,021. SOAP. William Rossman, doing business as Motor Manors, Pecos, Tex.
Filed February 20, 1946. Serial No. 496,987. PUBLISHED JANUARY 21, 1947. Class 4.

429,022. ELECTRICAL COOKING EQUIPMENT FOR COOKING EGGS IN THEIR SHELLS. Monmouth Laboratories Inc., Newark, N. J.
Filed February 26, 1946. Serial No. 497,261. PUBLISHED JANUARY 28, 1947. Class 21.

429,023. DETERGENTS FOR ALL GENERAL WASHING PURPOSES—NAMELY, FOR TEXTILE, LAUNDRY, AND ANY HOUSEHOLD OR INDUSTRIAL WASHING OR CLEANING, AS WELL AS FOR FLOORS, WALLS, AND DISHES. Quaker Chemical Products Corporation, Conshohocken, Pa.
Filed February 26, 1946. Serial No. 497,268. PUBLISHED JANUARY 7, 1947. Class 4.

429,024. ABRASIVE MADE OF PRECIOUS OR SEMIPRECIOUS STONE DUST. Engis Equipment Company, Chicago, Ill.
Filed March 9, 1946. Serial No. 497,924. PUBLISHED JANUARY 28, 1947. Class 4.

429,025. LIQUID SOAP, TOILET SOAP, AND BATH SOAP. Alfred D. McKelvy, New York, N. Y.
Filed March 18, 1946. Serial No. 498,430. PUBLISHED JANUARY 7, 1947. Class 4.

429,026. SOAPS IN SOLID, LIQUID, AND FLAKE FORM. Associated Products, Inc., Chicago, Ill.
Filed March 19, 1946. Serial No. 498,481. PUBLISHED JANUARY 7, 1947. Class 4.

429,027. NICKEL-CONTAINING HOT-ROLLED WIRE RODS. The International Nickel Company, Inc., New York, N. Y.
Filed March 20, 1946. Serial No. 498,633. PUBLISHED JANUARY 7, 1947. Class 14.

429,028. BOYS', GIRLS', AND INFANTS' WEARING APPAREL—NAMELY, CHILDREN'S APRONS, BIBS, CREEPERS, HOUSECOATS, ETC. Johnston Company, Dallas, Tex.
Filed March 21, 1946. Serial No. 498,699. PUBLISHED FEBRUARY 4, 1947. Class 39.

429,029. BELT DRESSINGS. William J. Du Pont, doing business as Du-Grip Mfg. Co., Toledo, Ohio.
Filed March 25, 1946. Serial No. 498,889. PUBLISHED JANUARY 21, 1947. Class 4.

429,030. UPHOLSTERY AND RUG CLEANER IN LIQUID FORM. Whirlfoam Upholstery and Rug Cleaner Co., Detroit, Mich.
Filed March 27, 1946. Serial No. 499,093. PUBLISHED JANUARY 28, 1947. Class 4.

429,031. STEEL. Associated Spring Corporation, Bristol, Conn.
Filed March 28, 1946. Serial No. 499,101. PUBLISHED JANUARY 28, 1947. Class 14.

429,032. WRIST WATCH STRAPS OF LEATHER OR FABRIC OR NON-PRECIOUS METAL, AND BUCKLES OF NON-PRECIOUS METAL FOR WRIST WATCH STRAPS. Pioneer Suspender Company, Philadelphia, Pa.
Filed March 29, 1946. Serial No. 499,274. PUBLISHED DECEMBER 17, 1946. Class 40.

429,033. TAMPONS. Anna-Jean Yuill, Chicago, Ill., assignor, by mesne assignments, to Pond's Extract Company, New York, N. Y., a corporation of Delaware.
Filed March 29, 1946. Serial No. 499,304. PUBLISHED AUGUST 13, 1946. Class 44.

429,034. NEEDLE POLISHER AND PRESERVER PREPARATION. H. C. Harding, Inc., Philadelphia, Pa.
Filed March 30, 1946. Serial No. 499,331. PUBLISHED JANUARY 28, 1947. Class 4.

429,035. WELDING ELECTRODES OF THE ROD OR WIRE TYPE. The McKay Company, Pittsburgh, Pa.
Filed April 1, 1946. Serial No. 499,423. PUBLISHED DECEMBER 31, 1946. Class 14.

429,036. CLEANING AND CONDITIONING COMPOUND FOR USE IN PREPARING METAL SURFACES FOR THE RECEPTION OF PAINT. American Chemical Paint Company, Ambler, Pa.
Filed April 9, 1946. Serial No. 499,884. PUBLISHED JANUARY 14, 1947. Class 4.

429,037. MEN'S ONE-PIECE WORK SUITS AND COVERALLS, MEN'S AND CHILDREN'S JEANS AND PLAY SUITS. Olian Brothers Company, Dallas, Tex.
Filed April 9, 1946. Serial No. 499,912. PUBLISHED JANUARY 14, 1947. Class 39.

429,038. PRINTING INKS. Fred'k H. Levey Co. Inc., New York, N. Y.
Filed April 11, 1946. Serial No. 500,010. PUBLISHED JANUARY 21, 1947. Class 11.

429,039. LADIES', MISSES', JUNIOR MISSES', AND GIRLS' DRESSES, BLOUSES, SLACKS, HALTERS, OUTER SHORTS, AND SKIRTS. Alfred S. Minchenberg, New York, N. Y.
Filed April 12, 1946. Serial No. 500,111. PUBLISHED FEBRUARY 4, 1947. Class 39.

429,040. LADIES', MISSES', JUNIOR MISSES', AND GIRLS' DRESSES, BLOUSES, SLACKS, HALTERS, OUTER SHORTS, AND SKIRTS. Alfred S. Minchenberg, New York, N. Y.
Filed April 12, 1946. Serial No. 500,112. PUBLISHED FEBRUARY 4, 1947. Class 39.

429,041. OIL COMPOSITIONS FOR DRESSING HARNESS AND LEATHER GOODS; COMPOSITIONS FOR CLEANING TEXTILES, RUGS, FLOORS, PAINTED AND OTHER SURFACES. Socony-Vacuum Oil Company, Incorporated, New York, N. Y.
Filed April 12, 1946. Serial No. 500,140. PUBLISHED JANUARY 21, 1947. Class 4.

429,042. BRASSIÈRES. Ros-A-Lou Brassiere Company, Janesville, Wis.
Filed April 13, 1946. Serial No. 500,185. PUBLISHED JANUARY 14, 1947. Class 39.

429,043. ELECTRIC VACUUM CLEANERS. Flannigan Industries, Inc., Skaneateles, N. Y.
Filed April 17, 1946. Serial No. 500,382. PUBLISHED JANUARY 21, 1947. Class 21.

429,044. FIELD SEEDS—NAMELY, GRASS, ALFALFA, RED CLOVER, SWEET CLOVER, ALSIKE, TIMOTHY, SOYBEANS, AND HYBRID CORN SEEDS. Twin City Seed Company, Minneapolis, Minn.
Filed April 17, 1946. Serial No. 500,428. PUBLISHED FEBRUARY 4, 1947. Class 1.

429,045. HOUSE AND ROOM AIR-CONDITIONING UNITS, OIL, GAS, AND COAL HOUSEHOLD HOT-AIR, STEAM, AND HOT WATER HEATING UNITS, AND CIGARETTE LIGHTERS OF THE PYROPHORIC TYPE. Academy Award Products, Inc., New York, N. Y.
Filed April 18, 1946. Serial No. 500,448. PUBLISHED FEBRUARY 4, 1947. Class 34.

429,046. MEN'S HATS. Adam Hat Stores Inc., New York, N. Y.
Filed April 23, 1946. Serial No. 500,716. PUBLISHED JANUARY 14, 1947. Class 39.

429,047. SHOE SOLES AND HEELS. Danbury Rubber Company, Inc., Danbury, Conn.
Filed May 1, 1946. Serial No. 501,238. PUBLISHED JANUARY 14, 1947. Class 39.

429,048. SIMULATED PEARLS. Henry Stadtman, New York, N. Y.
Filed May 4, 1946. Serial No. 501,483. PUBLISHED JANUARY 21, 1947. Class 28.

429,049. MOCCASINS, BOYS' CHAPS, AND LEATHER VESTS. Forrest A. Heath Company, Inc., Denver, Colo.
Filed May 6, 1946. Serial No. 501,507. PUBLISHED JANUARY 21, 1947. Class 39.

429,050. ATHLETIC SHOES—NAMELY, BASEBALL SHOES, FOOTBALL SHOES, GOLF SHOES, TENNIS SHOES, ETC. Oliver Bros., Atlantic City, N. J.
Filed May 6, 1946. Serial No. 501,526. PUBLISHED FEBRUARY 4, 1947. Class 39.

429,051. LOWERING ELECTRICAL LAMP HANGERS. The Thompson Electric Co., Cleveland, Ohio.
Filed May 7, 1946. Serial No. 501,611. PUBLISHED JANUARY 21, 1947. Class 21.

429,052. HATS AND CAPS FOR MEN, WOMEN, AND CHILDREN. John B. Stetson Company, Philadelphia, Pa.
Filed May 9, 1946. Serial No. 501,786. PUBLISHED JANUARY 14, 1947. Class 39.

429,053. FACIAL TISSUE. The Tissue Products Co., New York, N. Y.
Filed May 11, 1946. Serial No. 501,939. PUBLISHED FEBRUARY 4, 1947. Class 37.

429,054. FISHING REELS, FISHING RODS, AND FISHING ROD HOLDERS. The Sterling Manufacturing Company, Torrington, Conn., and elsewhere.
Filed May 20, 1946. Serial No. 502,468. PUBLISHED FEBRUARY 4, 1947. Class 22.

429,055. PLASTIC COMPOUNDS, ALLOYS AND DISPERSIONS IN SHEET, ROD, TUBE, GRANULAR, LIQUID OR GEL FORM USED FOR MOLDING AND INDUSTRIAL FINISHES AND RELATED ARTS. Selectronic Dispersions, Inc., Montclair, N. J.
Filed May 21, 1946. Serial No. 502,536. PUBLISHED FEBRUARY 4, 1947. Class 1.

429,056. PADLOCKS. Consolidated Cosmetics, Chicago, Ill.
Filed May 25, 1946. Serial No. 502,738. PUBLISHED JANUARY 21, 1947. Class 25.

429,057. FOOTWEAR, SPECIFICALLY RUBBER-SOLED CANVAS FOOTWEAR. The B. F. Goodrich Company, New York, N. Y., Akron, Ohio, and Watertown, Mass.
Filed May 25, 1946. Serial No. 502,747. PUBLISHED FEBRUARY 4, 1947. Class 39.

429,058. SHOES OF LEATHER, OR A COMBINATION OF LEATHER, RUBBER, OR FABRIC. Johnson, Stephens and Shinkle Shoe Company, St. Louis, Mo.
Filed May 25, 1946. Serial No. 502,755. PUBLISHED FEBRUARY 4, 1947. Class 39.

429,059. CARBON BLACK. Jefferson Lake Sulphur Company Inc., Houston, Tex.
Filed May 28, 1946. Serial No. 502,899. PUBLISHED FEBRUARY 4, 1947. Class 1.

429,060. CORRUGATED FIBREBOARD SHIPPING BOXES, CARTONS, AND CASES. The Maryland Container Company, Baltimore, Md.
Filed June 10, 1946. Serial No. 503,582. PUBLISHED FEBRUARY 4, 1947. Class 2.

429,061. ELECTRICAL LUG CONNECTORS. Dossert Manufacturing Corp., Brooklyn, N. Y.
Filed June 14, 1946. Serial No. 503,887. PUBLISHED JANUARY 28, 1947. Class 21.

429,062. GAME PLAYED WITH A STICK AND A BALL. Thomas R. Schlitz, Hillside, N. J.
Filed June 14, 1946. Serial No. 503,945. PUBLISHED FEBRUARY 4, 1947. Class 22.

429,063. RADIO SETS. Phillips Petroleum Company, Bartlesville, Okla.
Filed June 17, 1946. Serial No. 504,066. PUBLISHED JANUARY 28, 1947. Class 21.

429,064. DIAMOND RINGS. Excel Diamond Co., New York, N. Y.
Filed June 19, 1946. Serial No. 504,167. PUBLISHED JANUARY 21, 1947. Class 28.

429,065. APPARATUS FOR SEPARATING CINDERS FROM GASES FLOWING FROM THE FIRE BOXES TO THE STACKS OF STEAM LOCOMOTIVES, COMMONLY CALLED LOCOMOTIVE FRONT END ARRANGEMENTS. The American Welding and Manufacturing Company, Warren, Ohio.
Filed June 20, 1946. Serial No. 504,239. PUBLISHED FEBRUARY 4, 1947. Class 34.

429,066. GUARDS FOR FLOOR FURNACE OPENINGS. Carson Machine & Supply Co., Oklahoma City, Okla.
Filed July 26, 1946. Serial No. 506,492. PUBLISHED FEBRUARY 4, 1947. Class 34.

429,067. TOY VACUUM CLEANERS. Haill Products Company, Philadelphia, Pa.
Filed September 4, 1946. Serial No. 508,476. PUBLISHED FEBRUARY 4, 1947. Class 22.

429,068. SYNTHETIC RESIN DENTURE BASE MATERIALS. Cosmos Dental Products, Inc., New York, N. Y.
Filed November 7, 1946. Serial No. 512,162. PUBLISHED FEBRUARY 4, 1947. Class 44.

429,069. DENTAL PLASTIC—NAMELY, AN ESPECIALLY PREPARED RESIN FOR GENERAL CORRECTIVE PURPOSES. Cosmos Dental Products, Inc., New York, N. Y.
Filed November 7, 1946. Serial No. 512,165. PUBLISHED FEBRUARY 4, 1947. Class 44.

ACT OF MARCH 19, 1920, SEC. 1 (b)

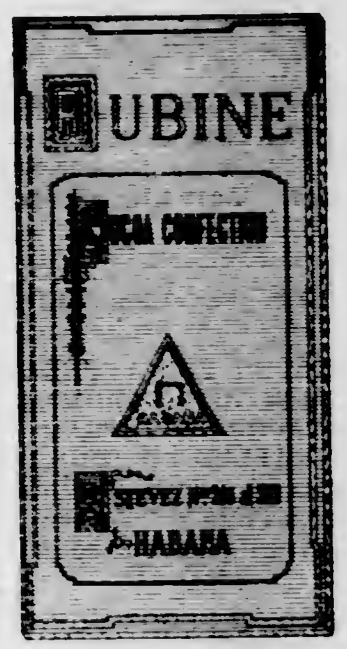
These registrations are not subject to opposition

429,070. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALBERT P. DE SANNO, JR., Phoenixville, Pa. Filed Dec. 8, 1943. Serial No. 465,622.

VITA-SOY

FOR VITAMIN AND MINERAL PREPARATION FOR MAKING A MALTED MILK DRINK.
Claims use since Nov. 12, 1943.

429,071. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RUBINE, S. A., Habana, Cuba. Filed June 17, 1944. Serial No. 471,363.



The drawing is lined for the colors blue and gold.
FOR COCOA CONFECTIONS—NAMELY, CHOCOLATE BARS.
Claims use since Aug. 7, 1943.

429,072. (CLASS 12. CONSTRUCTION MATERIALS.) CHRISTIAAN WOLFF, San Francisco, Calif. Filed Dec. 29, 1944. Serial No. 478,065.

WOLFF'S WOOD CEMENT STONE

FOR BUILDING BLOCKS MADE OF A MIXTURE OF WOOD, CEMENT AND STONE AND UTILIZED IN THE CONSTRUCTION OF FLOORS, WALLS, ARCHES AND CEILINGS OF BUILDINGS AND THE LIKE.
Claims use since Nov. 15, 1943.

429,073. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) COLUMBIAN STEEL TANK COMPANY, Kansas City, Mo. Filed Feb. 26, 1945. Serial No. 480,229.

COLUMBIAN

FOR STEAM TABLES; STEAM CONDENSERS FOR BOILERS, AND FANS AND BLOWERS FOR VENTILATING USE.
Claims use since on or about June 1, 1941.

429,074. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CLAIRE MEYERS, doing business as Calatina Citrus Co., Anaheim, Calif. Filed May 2, 1945. Serial No. 482,886.

DROP-O-LEMON

FOR BOTTLED LEMON JUICE FOR USE AS A SEASONING OR FLAVORING FOR FOOD PURPOSES.
Claims use since about March 1941.

429,075. (CLASS 39. CLOTHING.) COMMONWEALTH SHOE AND LEATHER COMPANY, Whitman, Mass. Filed June 22, 1945. Serial No. 484,879.

Denny Murray

FOR MEN'S SHOES OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF.
Claims use since July 1944.

429,076. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CARDINET CANDY COMPANY, (INC.), Oakland, Calif. Filed June 30, 1945. Serial No. 485,264.

CARDINET'S

FOR CANDY.
Claims use since Aug. 10, 1909.

429,077. (CLASS 39. CLOTHING.) DAN SPERO, doing business as Clover Sportswear Company, New York, N. Y. Filed July 25, 1945. Serial No. 486,279.

The Sports Woman

FOR WOMEN'S AND GIRLS' TENNIS DRESSES, BATHING SUITS, PLAYSUITS, SLACKS, JACKETS, DICKIES, BLOUSES, OUTER AND UNDER SKIRTS, HALTERS, BEACH KERCHIEFS, JUMPERS, DRESSES AND SUITS.
Claims use since November 1941.

429,078. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) MICHAEL J. CONROY, doing business as Conroy Sales Co., Philadelphia, Pa. Filed Aug. 3, 1945. Serial No. 486,666.

CONROYS E-Z-SHINE

FOR STOVE CLEANER.
Claims use since May 19, 1945.

429,079. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) SAV-WAY INDUSTRIES, Detroit, Mich., assignor to Sav-Way Industries Incorporated, Detroit, Mich., a corporation. Filed Aug. 6, 1945. Serial No. 486,815.

Vogue

FOR MECHANICALLY GROOVED PHONOGRAPH RECORDS.
Claims use since July, 1941.

429,080. (CLASS 39. CLOTHING.) CALIFORNIA FOUNDATIONS, INC., Los Angeles, Calif. Filed Oct. 2, 1945. Serial No. 489,255.

California Foundations

FOR FOUNDATION GARMENTS, PANTIES, CORSETS, GIRDLES, GARTER BELTS, PANTY GIRDLES AND BRASSIÈRES.
Claims use since Aug. 30, 1945.

429,081. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HALL GRAIN COMPANY, New Iberia, La. Filed Oct. 8, 1945. Serial No. 489,581.

Sugar Drips

FOR CANE TABLE SYRUP.
Claims use since March 1945.

429,082. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GENTRY LE ROY BARRETT, Long Beach, Calif. Filed Oct. 9, 1945. Serial No. 489,636.

BALL-BURGER

FOR FOOD FLAVORING AND SEASONING SAUCES.
Claims use since Aug. 14, 1945.

429,083. (CLASS 39. CLOTHING.) GEORGE EDWARD WARD, doing business as G. E. Ward and Company, London, England. Filed Oct. 18, 1945. Serial No. 490,159.

Shee

FOR WOMEN'S GOWNS, COATS, BLOUSES, OUTER SKIRTS AND UNDERSKIRTS.
Claims use since Nov. 8, 1944.

429,084. (CLASS 39. CLOTHING.) Ed. Steckler, Inc., New York, N. Y. Filed Oct. 30, 1945. Serial No. 490,772.

STECKLER

FOR MEN'S HATS, OUTER SHIRTS, NECKTIES, MUFFLERS, COATS, VESTS, TROUSERS AND OVERCOATS, SLACKS, UNDERSHIRTS, UNDERDRAWERS, COLLARS, SUSPENDERS, GARMENT BELTS, SHOES AND SLIPPERS, OF LEATHER AND COMBINATIONS OF LEATHER, RUBBER, AND FABRIC, BATH ROBES, PAJAMAS, AND LOUNGE JACKETS.
Claims use since 1939.

429,085. (CLASS 12. CONSTRUCTION MATERIALS.) Trimedge, Inc., Youngstown, Ohio. Filed Nov. 13, 1945. Serial No. 491,525.

Britedge

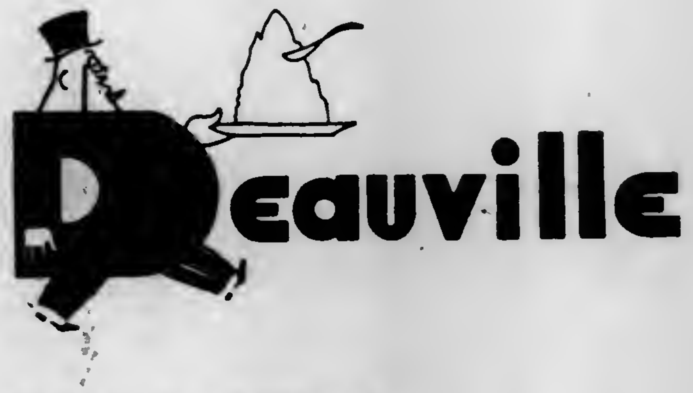
FOR METALLIC AND PLASTIC MOULDINGS USED TO FINISH THE EDGES OF COUNTERS, WALL BOARDS, AND THE LIKE.
Claims use since July 13, 1945.

429,086. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) John M. Hiss, Los Angeles, Calif. Filed Nov. 14, 1945. Serial No. 491,568.

Stabilizer

FOR CORRECTIVE SHOE INSERTS FOR SUPPORTING THE CUBOID BONE AND FOR PROPERLY DISTRIBUTING THE WEIGHT OF THE USER, SAID INSERTS BEING MADE OF RUBBER, LEATHER, CLOTH AND COMBINATIONS OF THESE MATERIALS.
Claims use since Nov. 1, 1945.

429,087. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) Whitelawn Dairies Inc., Brooklyn, N. Y. Filed Dec. 6, 1945. Serial No. 492,809.



FOR FRENCH ICE CREAM.
Claims use since Oct. 31, 1945.

429,088. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) R. A. Nemanick, Watsonville, Calif. Filed Dec. 10, 1945. Serial No. 493,019.

MITY-NICE

FOR FRESH VEGETABLES.
Claims use since Mar. 1, 1945.

429,089. (CLASS 39. CLOTHING.) Hi-Line Co., Inc., New York, N. Y. Filed Dec. 11, 1945. Serial No. 493,063.

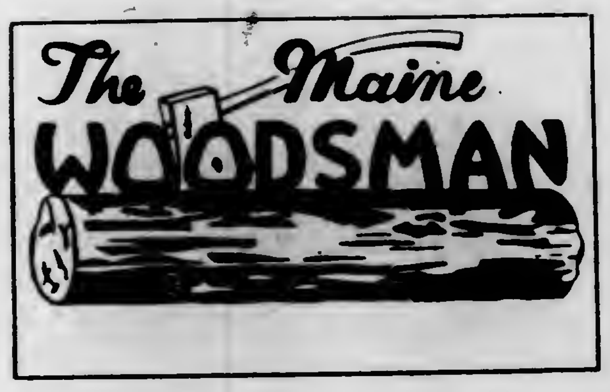
FOR INFANTS', CHILDREN'S, BOYS', GIRLS', MISSES', AND WOMEN'S APPAREL—NAMELY, OVERALLS, COVERALLS, SUITS, BLOUSES, BLOUSE AND PANTS COMBINATIONS, DRESSES, SLEEPING GARMENTS, PLAYSUITS, AND SUNSUITS.
Claims use since June 25, 1945.

429,090. (CLASS 39. CLOTHING.) Harry R. Lukaiser, New York, N. Y. Filed Dec. 19, 1945. Serial No. 493,560.

"ALLOVAL"

FOR HATS FOR MEN AND WOMEN.
Claims use since Dec. 3, 1945.

429,091. (CLASS 39. CLOTHING.) Congress Shirt Company, Boston, Mass. Filed Dec. 21, 1945. Serial No. 493,663.



FOR OUTER SHIRTS, SKI-PANTS, SLACKS, TROUSERS, MACKINAWS, PARKAS AND JACKETS FOR USE BY MEN AND YOUNG MEN.
Claims use since Dec. 1, 1945.

429,092. (CLASS 39. CLOTHING.) Crest Fabrics Corp., New York, N. Y. Filed Dec. 22, 1945. Serial No. 493,745.

MAGNIFICO

FOR LADIES', MISSES', AND GIRLS' DRESSES, BLOUSES, PLAYSUITS, PINAFORES, OUTER SKIRTS, HOUSECOATS, APRONS, NIGHTGOWNS AND PAJAMAS; AND MEN'S AND BOYS' SPORT SHIRTS, NECKTIES, SCARFS, AND PAJAMAS.
Claims use since Jan. 3, 1945.

429,093. (CLASS 37. PAPER AND STATIONERY.) United States Envelope Company, doing business under name and style of P. P. Kellogg & Co. (one of its divisions), Springfield, Mass. Filed Jan. 8, 1946. Serial No. 494,473.

Correspondence Elegancies

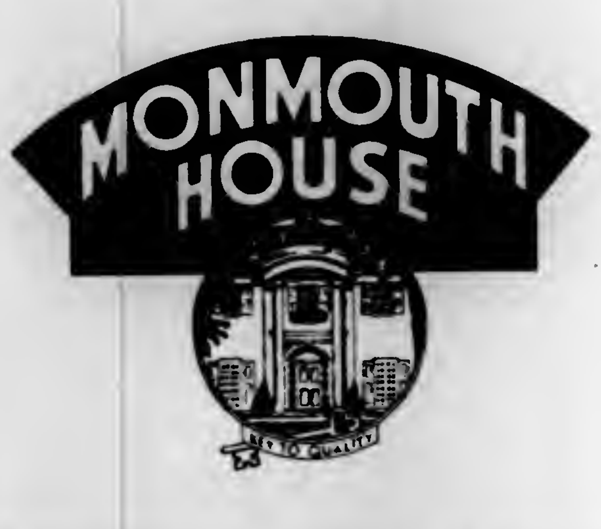
FOR CORRESPONDENCE PAPER AND ENVELOPES.
Claims use since Dec. 1, 1944.

429,094. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) Visicraft Mfg. Co. Inc., New York, N. Y. Filed Jan. 8, 1946. Serial No. 494,474.

STA-FRESH

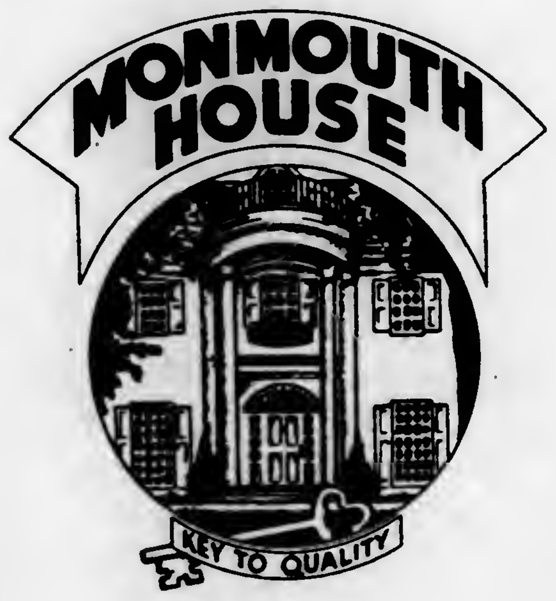
FOR TOBACCO POUCHES.
Claims use since Dec. 10, 1945.

429,095. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) Monmouth Products Co., Inc., Jersey City, N. J. Filed Jan. 9, 1946. Serial No. 494,511.



FOR FROZEN FOODS—NAMELY, VEGETABLES, DECIDUOUS FRUITS, GRAPES, BERRIES, CURRANTS, APPLESAUCE, FRUIT PUREES, PINEAPPLE, AND COCOANUT MEAT.
Claims use since Oct. 15, 1943.

429,096. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) Monmouth Products Co., Inc., Jersey City, N. J. Filed Jan. 9, 1946. Serial No. 494,512.



FOR COFFEE.
Claims use since Oct. 15, 1943.

429,097. (CLASS 39. CLOTHING.) Allied Stores Corporation, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash., Dey Brothers & Company, Syracuse, N. Y., and Quackenbush Company, Paterson, N. J. Filed Jan. 12, 1946. Serial No. 494,645.

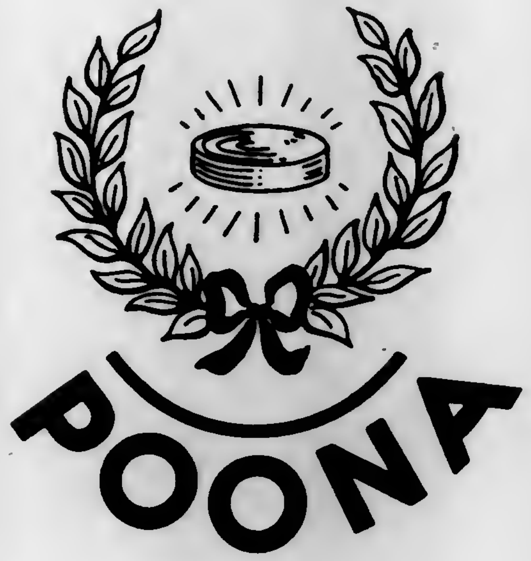
Jean Day

FOR MISSES' AND LADIES' DRESSES.
Claims use since Jan. 21, 1942.

429,098. (CLASS 39. CLOTHING.) Empire Products, New York, N. Y. Filed Jan. 12, 1946. Serial No. 494,663.

FOR WATERPROOF COVERS FOR MEN'S HATS.
Claims use since Dec. 31, 1945.

429,099. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) Fraleigh Hill Farm, Millbrook, N. Y. Filed Jan. 12, 1946. Serial No. 494,668.



FOR CHEESE.
Claims use since June 1944.

429,100. (CLASS 39. CLOTHING.) Ernest Donath, Boston, Mass. Filed Jan. 26, 1946. Serial No. 495,454.

SKIRTWEAR
by Donath

FOR OUTER SKIRTS FOR WOMEN, MISSES, AND JUNIORS.
Claims use since Oct. 26, 1945.

429,101. (CLASS 39. CLOTHING.) Associated Merchandising Corporation, New York, N. Y. Filed Feb. 4, 1946. Serial No. 495,947.

SUPER
STRIDE

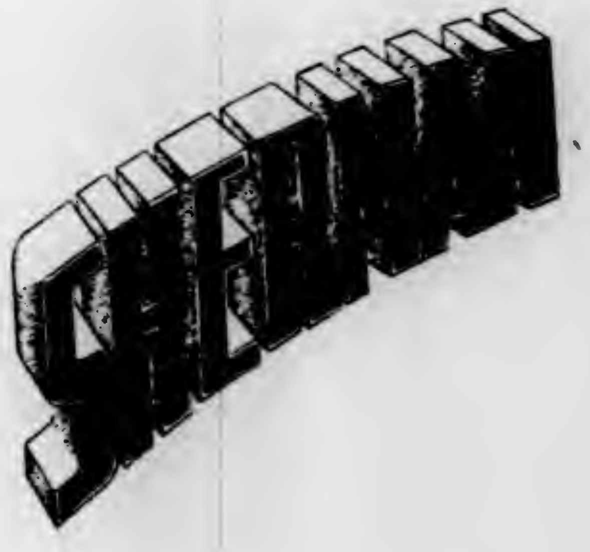
FOR MEN'S SHOES MADE WHOLLY OR IN PART OF LEATHER.
Claims use since Dec. 28, 1945.

429,102. (CLASS 39. CLOTHING.) The Engel & Fetzer Co., Cleveland, Ohio. Filed Feb. 6, 1946. Serial No. 496,072.

"ENGELWOOD"

FOR WOMEN'S HATS.
Claims use since Dec. 19, 1945.

429,103. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) National Growers & Shippers, Los Angeles, Calif. Filed Feb. 25, 1946. Serial No. 497,190.



FOR FRESH VEGETABLES.
Claims use since Dec. 15, 1945.

429,104. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) The H. B. Davis Company, Baltimore, Md. Filed Mar. 5, 1946. Serial No. 497,657.

DAVIS
OF BALTIMORE

FOR PAINTS (READY MIXED AND LIQUID, PASTE FORM, AND DRY) PAINT ENAMELS, JAPANS, VARNISHES, STAINS AND WOOD FILLERS.
Claims use since Sept. 28, 1927.

429,105. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) G. W. Onthank Company, Des Moines, Iowa. Filed Mar. 8, 1946. Serial No. 497,879.

FURNITURE
REFRESHER

FOR PREPARATION FOR POLISHING, CLEANING AND WAXING FURNITURE IN ONE OPERATION.
Claims use since June 15, 1943.

429,106. (CLASS 37. PAPER AND STATIONERY.) Badger Paper Mills, Inc., Peshtigo, Wis. Filed Mar. 14, 1946. Serial No. 498,200.

FRESHRAP

FOR PAPER USED FOR FOOD WRAPPING PURPOSES.
Claims use since Feb. 13, 1946.

429,107. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) Zion Industries, Inc., Zion, Ill. Filed Mar. 14, 1946. Serial No. 498,265.

Zion
FIG BARS

Applicant is the owner of Registrations Nos. 420,961, dated May 7, 1946, and 420,962, dated May 1, 1946.
FOR FIG BARS.
Claims use since 1931.

429,108. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) James J. Commons, Beverly Hills, Calif. Filed Mar. 27, 1946. Serial No. 499,048.

HOUSE OF COMMONS

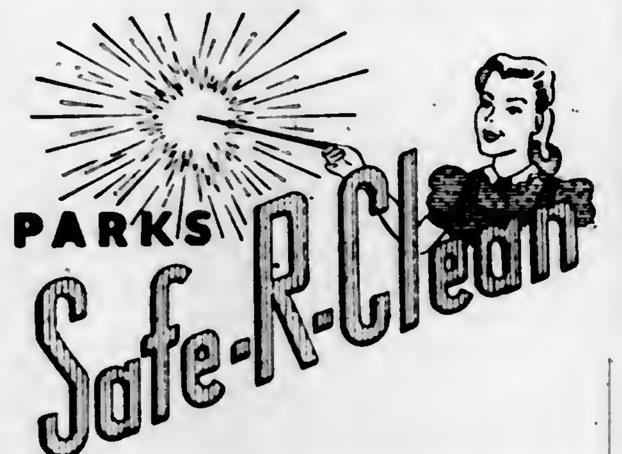
FOR TABLE CLOTHS AND NAPKINS, KITCHEN AND GUEST TOWELS, HAND AND BATH TOWELS, PLACE MATS MADE OF TEXTILE MATERIAL, BED SPREADS, RUG AND RUG SETS, COMFORTERS, MATTRESS COVERS, AND MATTRESS PADS, QUILTS, TABLE PADS AND TABLE PADDINGS MADE OF TEXTILE QUILTED MATERIAL.
Claims use since Mar. 12, 1945.

429,109. (CLASS 39. CLOTHING.) The Dora Miles Company, New Haven, Conn. Filed Apr. 12, 1946. Serial No. 500,064.

Dora Miles

FOR CORSETS, BRASSIÈRES AND FOUNDATION GARMENTS.
Claims use since Oct. 4, 1942.

429,110. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) Lenard R. Parks, doing business under the name of Parks Associates, Glendale, Calif. Filed Apr. 12, 1946. Serial No. 500,120.



The representation of the girl shown on the drawing is fanciful. The drawing is lined to represent red and blue colors.
FOR HOUSEHOLD CLEANING PREPARATION FOR CLEANING DISHES, WOODWORK, AND PAINTED SURFACES.
Claims use since May 1945.

429,111. (CLASS 39. CLOTHING.) Henry Pollak, Inc., New York, N. Y. Filed Apr. 25, 1946. Serial No. 500,896.

SUPERBE

FOR FELT AND STRAW HAT BODIES.
Claims use since July 12, 1919.

429,112. (CLASS 39. CLOTHING.) Jean Sachs, doing business as Jean Tobach, Paterson, N. J. Filed May 9, 1946. Serial No. 501,777.

Jean Tobach

FOR CORSETS, UNDERWEAR AND HOSIERY FOR WOMEN.
Claims use since May 1, 1940.

429,113. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) Ina C. Carro, West Roxbury, Mass. Filed May 24, 1946. Serial No. 502,686.

SPEED-E-WICKS

FOR WICKS FOR RANGE OIL BURNERS AND THE LIKE.
Claims use since Sept. 1, 1945.

429,114. (CLASS 37. PAPER AND STATIONERY.) Snapmount Photos, Inc., Denver, Colo. Filed May 27, 1946. Serial No. 502,850.

SNAPMOUNT

FOR PHOTOGRAPH ALBUMS AND ALBUM INSERT PAGES.

Claims use since November 1941.

429,115. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) Canadian Mill & Elevator Co., El Reno, Okla. Filed June 17, 1946. Serial No. 504,030.

CANADIAN'S
BEST

FOR WHEAT FLOUR.

Claims use since Aug. 1, 1936.

429,116. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) Fluid Systems, Incorporated, Hamden, Conn. Filed June 24, 1946. Serial No. 504,481.

THERMAL
ELECTRIC

FOR APPARATUS CONSISTING OF AN ELECTRICAL TRANSFORMER, AN ELECTRICAL CONTROL PANEL AND A TANK UNIT FOR USE IN ELECTRICALLY HEATING CONDUCTORS OR PIPE-LINES IN WHICH VISCOUS LIQUIDS, SUCH AS FUEL OIL, ASPHALT, CORN SYRUP, ETC., ARE TRANSPORTED OR CONDUCTED FROM A STORAGE OR SUPPLY TANK TO AN OIL BURNER OR OTHER DEVICE TO USE OR RECEIVE THE LIQUID.

Claims use since on or about the 1st day of July 1940.

429,117. (CLASS 37. PAPER AND STATIONERY.) Carl T. Wessbecher, doing business as C. T. Wessbecher & Co., St. Louis, Mo. Filed July 1, 1946. Serial No. 504,955.

Protectifile

FOR ALBUMS FOR MINT STAMPS.

Claims use since Sept. 24, 1945.

429,118. (CLASS 39. CLOTHING.) Van Baalen Heilbrun & Co., New York, N. Y. Filed Aug. 15, 1946. Serial No. 507,470.

STATE-O-MAINE

FOR RAINCOATS FOR MEN, WOMEN, BOYS AND GIRLS; ROBES FOR PERSONAL WEAR FOR MEN AND BOYS; MEN'S DRESSING GOWNS, COCKTAIL COATS, SMOKING JACKETS AND LOUNGE SUITS.

Claims use since September 1942 on raincoats for men, women, boys and girls, and since March 1945 on the other products.

429,119. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) Ben Pasternak, doing business as The Cake Box Bakers, Kansas City, Mo. Filed Aug. 21, 1946. Serial No. 507,749.

THE *Cake Box* BAKERS

FOR CAKES, PIES, CUP CAKES, BREAD, ROLLS AND COOKIES.

Claims use since Jan. 1, 1938.

TRADE-MARK REGISTRATIONS RENEWED

29,087. **REPRESENTATION OF A BOX WITH A WIDE BAND THEREON.** SALTED AND BONELESS FISH. Registered Nov. 3, 1896. J. W. Beardsley's Sons, New York, N. Y. Re-renewed Nov. 3, 1946, to J. W. Beardsley's Sons, Newark, N. J., a corporation of New Jersey. Class 46.

47,297. **MASTER.** ELASTIC STOCKINGS. Registered Oct. 31, 1905. Pomeroy Company, Inc., New York, N. Y., a corporation of New York. Re-renewed Oct. 31, 1945. Class 44.

57,415. **DUCKBACK.** METAL SHEETS COVERED WITH ASBESTOS AND USED FOR ROOFING, SIDING, AND CEILINGS. Registered Nov. 13, 1906. The Protected Metal Company, Canton, Mass. Re-renewed Nov. 13, 1946, to H. H. Robertson Company, Pittsburgh, Pa., a corporation of Pennsylvania. Class 12.

57,472. **A P M.** METAL SHEETS COVERED WITH ASBESTOS AND USED FOR ROOFING, SIDING, AND CEILINGS. Registered Nov. 13, 1906. The Protected Metal Company, Canton, Mass. Re-renewed Nov. 13, 1946, to H. H. Robertson Company, Pittsburgh, Pa., a corporation of Pennsylvania. Class 12.

57,773. **LORAIN.** GAS HEATERS, OIL-STOVES, GASOLENE OR VAPOR STOVES AND VAPOR BURNERS AND OVENS. Registered Nov. 27, 1906. American Stove Company, Jersey City, N. J., and St. Louis, Mo. Re-renewed Nov. 27, 1946, to American Stove Company, St. Louis, Mo., a corporation of New Jersey. Class 34.

58,652. **THE METAL INDUSTRY.** MONTHLY JOURNAL. Registered Dec. 18, 1906. Metal Industry Publishing Company, Inc., New York, N. Y., a corporation of New York. Re-renewed Dec. 18, 1946. Class 38.

60,206. **REPRESENTATION OF A SPREAD EAGLE AND THE LETTER W.** GRADUATED TESTING-BOTTLES, GRADUATED FLASKS, AND GRADUATED LABORATORY-GLASSWARE. Registered Jan. 29, 1907. Constantin Wagner, doing business as Wagner Glass Works, New York, N. Y. Re-renewed Jan. 29, 1947. Class 26.

60,923. **"VIM" ETC. AND DESIGN.** LEATHER PULLEY-COVERINGS, LEATHER LUG-STRAPS, LEATHER APRONS, BELLOWS-LEATHER, AND HARNESS-LEATHER. Registered Feb. 26, 1907. E. F. Houghton & Co. Re-renewed Feb. 26, 1947, to E. F. Houghton & Co., Philadelphia, Pa., a corporation of Pennsylvania. Classes 1, 23 and 39.

209,349. **ORISINA.** BREAST SUPPORTERS, COLLARS, BELTS, CORSETS, AND HOSE SUPPORTERS. Registered Feb. 23, 1926. Teresina Maria Negri. Renewed Feb. 23, 1946, to Teresina Maria Espirac, Paris, France. Class 39.

213,739. **CF & FO.** POULTRY TABLETS. Registered June 1, 1926. Dr. Falk Stock Remedy Co., Cincinnati, Ohio. Renewed June 1, 1946, to Dr. Falk Stock Remedy Co., Hartley, Iowa, a firm. Class 6.

217,639. **REPRESENTATION OF ENDS OF DOOR STILES PAINTED BLACK ETC.** DOORS. Registered Sept. 7, 1926. M and M Wood Working Company, Portland, Oreg., a corporation of Oregon. Renewed Sept. 7, 1946. Class 12.

217,640. **REPRESENTATION OF ENDS OF DOOR STILES PAINTED BROWN ETC.** DOORS. Registered Sept. 7, 1926. M and M Wood Working Company, Portland, Oreg., a corporation of Oregon. Renewed Sept. 7, 1946. Class 12.

217,739. **REPRESENTATION OF END OF DOOR STILES PAINTED RED ETC.** DOORS. Registered Sept. 7, 1926. M and M Wood Working Company, Portland, Oreg., a corporation of Oregon. Renewed Sept. 7, 1946. Class 12.

217,740. **REPRESENTATION OF END OF DOOR STILES PAINTED PURPLE ETC.** DOORS. Registered Sept. 7, 1926. M and M Wood Working Company, Portland, Oreg., a corporation of Oregon. Renewed Sept. 7, 1946. Class 12.

217,741. **REPRESENTATION OF END OF DOOR STILES PAINTED GREEN ETC.** DOORS. Registered Sept. 7, 1926. M and M Wood Working Company, Portland, Oreg., a corporation of Oregon. Renewed Sept. 7, 1946. Class 12.

217,742. **REPRESENTATION OF END OF DOOR STILES PAINTED BLUE ETC.** DOORS. Registered Sept. 7, 1926. M and M Wood Working Company, Portland, Oreg., a corporation of Oregon. Renewed Sept. 7, 1946. Class 12.

217,743. **REPRESENTATION OF END OF DOOR STILES PAINTED YELLOW ETC.** DOORS. Registered Sept. 7, 1926. M and M Wood Working Company, Portland, Oreg., a corporation of Oregon. Renewed Sept. 7, 1946. Class 12.

217,869. **ALGARA.** CIGARS. Registered Sept. 14, 1926. A. Santaella & Co. Inc., Tampa, Fla., and New York, N. Y., a corporation of Florida. Renewed Sept. 14, 1946. Class 17.

217,870. **ALLURO.** CIGARS. Registered Sept. 14, 1926. A. Santaella & Co. Inc., Tampa, Fla., and New York, N. Y., a corporation of Florida. Renewed Sept. 14, 1946. Class 17.

217,879. **G. L. OTTEROL.** REEDS FOR SAXOPHONES AND CLARIONETS. Registered Sept. 14, 1926. Progressive Musical Instrument Corporation, New York, N. Y., a corporation of New York. Renewed Sept. 14, 1946. Class 36.

217,901. **FLOR DE A. SANTAELLA Y CA.** CIGARS. Registered Sept. 14, 1926. A. Santaella & Co. Inc., Tampa, Fla., and New York, N. Y., a corporation of Florida. Renewed Sept. 14, 1946. Class 17.

217,902. **"SANTAELLA'S SPECIAL" ETC.** CIGARS. Registered Sept. 14, 1926. A. Santaella & Co. Inc., Tampa, Fla., and New York, N. Y., a corporation of Florida. Renewed Sept. 14, 1946. Class 17.

217,903. **EL PROMOTO.** CIGARS. Registered Sept. 14, 1926. A. Santaella & Co. Inc., Tampa, Fla., and New York, N. Y., a corporation of Florida. Renewed Sept. 14, 1946. Class 17.

217,908. **MYBUDDY.** PORTABLE PHONOGRAPHS. Registered Sept. 14, 1926. Progressive Musical Instrument Corporation, New York, N. Y., a corporation of New York. Renewed Sept. 14, 1946. Class 36.

217,914. **ATLAS.** GINGER ALE AND ROOT BEER. Registered Sept. 14, 1926. Atlas Brewing Company, Chicago, Ill., a corporation of Illinois. Renewed Sept. 14, 1946. Class 45.

218,047. **"SANTAELLAS" AND DRAWING.** CIGARS. Registered Sept. 21, 1926. A. Santaella & Co. Inc., Tampa, Fla., and New York, N. Y., a corporation of Florida. Renewed Sept. 21, 1946. Class 17.

218,086. **"STANDARD BUMPER CROP" AND DRAWING.** AGRICULTURAL GYPSUM. Registered Sept. 21, 1926. The Standard Gypsum Company, San Francisco, Calif. Renewed Sept. 21, 1946, to Standard Gypsum Company of California, Oakland, Calif., a corporation of Delaware. Class 10.

218,101. **"PASTILLES VALDA" ETC. AND DESIGN.** THROAT PASTILS AND PASTILS FOR AFFECTIONS OF THE THROAT AND RESPIRATORY PASSAGES. Registered Sept. 21, 1926. Societe Anonyme Establissements Pastival, Paris, France. Renewed Sept. 21, 1946, to Pastival, Inc., New York, N. Y., a corporation of New York. Class 6.

218,565. **A. FEUILLARD.** BAND INSTRUMENTS—NAMELY, TRUMPETS, TROMBONES, CORNETS, SAXOPHONES, BASSES, AND BARITONES. Registered Sept. 28, 1926. Progressive Musical Instrument Corporation, New York, N. Y., a corporation of New York. Renewed Sept. 28, 1946. Class 36.

218,656. **CREAM OF WHEAT.** SELF-RISING AND PATENT WHEAT FLOUR. Registered Sept. 28, 1926. Jonathan Hale & Sons. Renewed Sept. 28, 1946, to Laurence I. Hale, doing business as Jonathan Hale & Sons, Ionia, Mich. Class 46.

218,930. **MELOFONIC.** RADIO RECEIVING SETS, LOUD SPEAKERS, LOUD SPEAKER UNITS. Registered Oct. 5, 1926. Progressive Musical Instrument Corporation, New York, N. Y., a corporation of New York. Renewed Oct. 5, 1946. Class 21.

219,466. **C. A. S.** MODIFIED SODA ASH USED TO STANDARDIZE THE ACIDITY IN CREAM USED FOR MANUFACTURING PURPOSES. Registered Oct. 19, 1926. The J. B. Ford Company. Renewed Oct. 19, 1946, to Wyandotte Chemicals Corporation, Wyandotte, Mich., a corporation of Michigan. Class 6.

220,474. **PERFACKTONE.** SAXOPHONES, CORNETS, TRUMPETS, TROMBONES, ALTOS, BASSES, CONTRABASSES, BARITONES, BANJOS AND MANDOLINS. Registered Nov. 9, 1926. Progressive Musical Instrument Corporation, New York, N. Y., a corporation of New York. Renewed Nov. 9, 1946. Class 36.

220,751. **"HERCULES" AND DRAWING.** VIOLIN GUT STRINGS. Registered Nov. 16, 1926. Progressive Musical Instrument Corporation, New York, N. Y., a corporation of New York. Renewed Nov. 16, 1946. Class 36.

221,021. **SANI-GARB.** COMPOSITION FOR TREATING GARBAGE AND GARBAGE CONTAINERS. Registered Nov. 23, 1926. John T. Fetherston, Cuylerville, N. Y. Renewed Nov. 23, 1946, to Franklin J. Drivness, Rochester, N. Y. Class 6.

221,787. **ARTITONE.** ACCORDIONS, BLOW ACCORDIONS, MOUTH HARMONICAS, AND REEDS FOR WIND INSTRUMENTS. Registered Dec. 14, 1926. Progressive Musical Instrument Corporation, New York, N. Y., a corporation of New York. Renewed Dec. 14, 1946. Class 36.

221,982. **ROYAL KNIGHT.** FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, GRAPEFRUIT. Registered Dec. 21, 1926. Redlands Co-Operative Fruit Association. Renewed Dec. 21, 1946, to Redlands Co-operative Fruit Association, Redlands, Calif., a corporation of California. Class 46.

222,027. **"PLANET" AND DESIGN.** ANNEALED CUTTER BLANKS, ALLOY STEELS, TOOL AND DRILL STEELS, ANNEALED PUNCH AND DIE STEELS, SPRINGS AND MACHINERY STEELS, COPPERED BESSEMER RODS; PICK, WEDGE, AND HAMMER STEELS; SHEET STEEL FOR ALL USES, MUSIC WIRE FOR SPRINGS, OIL-TEMPERED SPRING WIRE, COLD-ROLLED STEEL, HIGH-SPEED STEEL, FORGINGS, AND DRILL RODS. Registered Dec. 21, 1926. A. R. Purdy Company, Inc., New York, N. Y. Renewed Dec. 21, 1946, to A. R. Purdy Company, Inc., Lyndhurst, N. J., a corporation of New York. Class 14.

222,033. **NEWSBOY.** FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, GRAPEFRUIT. Registered Dec. 21, 1926. Redlands Co-Operative Fruit Association. Renewed Dec. 21, 1946, to Redlands Co-operative Fruit Association, Redlands, Calif., a corporation of California. Class 46.

222,270. **S-G.** COMPOSITION FOR TREATING GARBAGE AND GARBAGE CONTAINERS. Registered Dec. 28, 1926. John T. Fetherston, Cuylerville, N. Y. Renewed Dec. 28, 1946, to Franklin J. Drivness, Rochester, N. Y. Class 6.

222,971. **MELOFONIC.** PHONOGRAPH AND SOUND BOXES FOR PHONOGRAPHS. Registered Jan. 11, 1927. Progressive Musical Instrument Corporation, New York, N. Y., a corporation of New York. Renewed Jan. 11, 1947. Class 36.

223,153. **"MARSHAL'S SELECTED" ETC.** POTATOES IN THEIR NATURAL STATE. Registered Jan. 18, 1927. Joseph P. Marshal, Twin Falls, Idaho. Renewed Jan. 18, 1947. Class 46.

223,298. **"DIX-OLA".** CARBONATED, NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND FOR SIRUPS USED IN MAKING THE SAME. Registered Feb. 1, 1927. Wm. Tehel, doing business as Wm. Tehel Bottling Co. Renewed Feb. 1, 1947, to Wm. Tehel Bottling Company, Cedar Rapids, Iowa, a firm. Class 45.

223,368. **REPRESENTATION OF SMALL BLACK BAG FOR FLOWER AND VEGETABLE SEEDS WITH WHITE TOP AND BOTTOM BORDERS.** FLOWER AND VEGETABLE SEEDS. Registered Feb. 1, 1927. Fredonia Seed Co., Inc., Fredonia, N. Y., a corporation of New York. Renewed Feb. 1, 1947. Class 1.

223,437. **"X".** COMPOSITION FOR INTERNALLY STOPPING LEAKS IN RADIATORS, BOILERS, ETC., FOR ELIMINATING RUST, FOR PREVENTING CORROSION OF SUBSTANTIALLY ALL METALS, AND FOR PREVENTING FORMATION OF SCALE IN BOILERS. Registered Feb. 1, 1927. Edward R. Tolfree, doing business as "X" Laboratories. Renewed Feb. 1, 1947, to "X" Laboratories, Inc., New York, N. Y., a corporation of New York. Class 6.

223,589. **CRIBOUT.** CANES, PARASOLS, AND UMBRELLAS. Registered Feb. 8, 1927. John Wanamaker Philadelphia, Philadelphia, Pa., a corporation of Pennsylvania. Renewed Feb. 8, 1947. Class 41.

223,660. **SANI-FLAT.** FLAT OIL PAINTS. Registered Feb. 8, 1927. Benjamin Moore & Co., Jersey City, N. J., and New York, N. Y. Renewed Feb. 8, 1947, to Benjamin Moore & Co., Flemington, N. J., and New York, N. Y., a corporation of New Jersey. Class 16.

223,717. **"TRUHU MUFFLERS" ETC. AND DESIGN.** MUFFLERS. Registered Feb. 8, 1927. Jersey Silk Mills, Inc. Renewed Feb. 8, 1947, to Truhu Fabrics Corporation, New York, N. Y., a corporation of New York. Class 39.

223,815. **REPRESENTATION OF A BOAT.** CUSHIONS AND MATTRESSES. Registered Feb. 8, 1927. Airubber Corporation, Chicago, Ill. Renewed Feb. 8, 1947, to New York Rubber Corporation, New York, N. Y., a corporation of New York. Class 32.

223,962. **"INTERWOVEN" ETC. AND DESIGN.** HOSIERY. Registered Feb. 15, 1927. Interwoven Stocking Company, New Brunswick, N. J., a corporation of New Jersey. Renewed Feb. 15, 1947. Class 39.

223,966. **"OUR CAPTAIN" AND DRAWING.** WHEAT FLOUR. Registered Feb. 15, 1927. The Loudonville Milling Company, Loudonville, Ohio, a corporation of Ohio. Renewed Feb. 15, 1947. Class 46.

223,969. **"INTERWOVEN" ETC. AND DESIGN.** HOSIERY. Registered Feb. 15, 1927. Interwoven Stocking Company, New Brunswick, N. J., a corporation of New Jersey. Renewed Feb. 15, 1947. Class 39.

223,984. **UTILAC.** LACQUERS, PAINT ENAMELS, AND VARNISH ENAMELS. Registered Feb. 15, 1927. Benjamin Moore & Co., Jersey City, N. J., and New York, N. Y. Renewed Feb. 15, 1947, to Benjamin Moore & Co., Flemington, N. J., and New York, N. Y., a corporation of New Jersey. Class 16.

224,040. **"IF IT'S TRUHU IT'S WASHABLE".** MUFFLERS. Registered Feb. 15, 1927. Jersey Silk Mills, Inc. Renewed Feb. 15, 1947, to Truhu Fabrics Corporation, New York, N. Y., a corporation of New York. Class 39.

224,220. **CRIBOUT.** MEN'S NECKTIES, PYJAMAS, HOSIERY, DRESSING GOWNS, MUFFLERS, ONE-PIECE KNITTED AND TEXTILE UNDERWEAR, DRESS, NEGLIGEE, AND WORK SHIRTS, EVENING VESTS, SUSPENDERS, BRACES, AND GARTERS, AND WOMEN'S LINGERIE, HOSIERY, BLOUSES, SWEATERS, WRAPPERS, AND NEGLIGEES, AND CERTAIN OTHER NAMED ARTICLES OF CLOTHING. Registered Feb. 22, 1927. John Wanamaker Philadelphia, Philadelphia, Pa., a corporation of Pennsylvania. Renewed Feb. 22, 1947. Class 39.

224,363. **TIGER.** BEDS, BED SPRINGS, BED SLATS, BUNKS, COTS, COUCHES, CRIBS, AND DAY BEDS. Registered Feb. 22, 1927. Haggard & Marcusson Company, Chicago, Ill., a corporation of Illinois. Renewed Feb. 22, 1947. Class 32.

224,364. **REPRESENTATION OF A TIGER.** BEDS, BED SPRINGS, BED SLATS, BUNKS, COTS, COUCHES, CRIBS, AND DAY BEDS. Registered Feb. 22, 1927. Haggard & Marcusson Company, Chicago, Ill., a corporation of Illinois. Renewed Feb. 22, 1947. Class 32.

224,486. **"MIRACLE SET" AND DESIGN.** LADIES' NECKWEAR—NAMELY, LACE, SILK, AND LINEN COLLARS AND VESTEES. Registered Mar. 1, 1927. Kadet Kruger & Co., Chicago, Ill., a firm. Renewed Mar. 1, 1947. Class 39.

224,507. **GRAPHEX.** BEARINGS. Registered Mar. 1, 1927. Neveroil Bearing Company, Wakefield, Mass., a corporation of Massachusetts. Renewed Mar. 1, 1947. Class 23.

224,606. **BOULEVARD.** BOND PAPER, INDEX PAPER, LEDGER PAPER, AND BOOK PAPER. Registered Mar. 1, 1927. Marquette Paper Co., Chicago, Ill., a corporation of Illinois. Renewed Mar. 1, 1947. Class 37.

224,664. **CO-ED.** CANDY. Registered Mar. 1, 1927. E. J. Brach & Sons, Chicago, Ill., a corporation of Illinois. Renewed Mar. 1, 1947. Class 46.

224,896. **OUR MOTTO.** CANNED FISH, CANNED SHELLFISH, CANNED FRUITS, CANNED VEGETABLES, AND FRUIT AND VEGETABLE PRESERVES. Registered Mar. 8, 1927. A. W. & H. H. Behrens, Brooklyn, N. Y. Renewed Mar. 8, 1947, to Florence-Merrick Grocery Co., Inc., Forest Hills, N. Y., a corporation of New York. Class 46.

224,918. **"HICKORY ISLAND" ETC. AND DRAWING.** FRESH VEGETABLES—NAMELY, POTATOES, ONIONS, CABBAGES, CARROTS, CUCUMBERS, BEETS, CELERY, AND BEANS. Registered Mar. 8, 1927. P. D. McMillan, doing business as South Hollandale Marketing Association, Hollandale, Minn. Renewed Mar. 8, 1947. Class 46.

224,937. **CABOT'S.** BUILDERS' SHEATHING, PACKING, OR FILLING, CONSISTING OF A COARSE PAPER OR OF PAPER ATTACHED TO FIBROUS MATERIALS IN LAYERS, SUCH AS HAY, EEL GRASS, ETC., MORTAR COLOR, ROOFING FELT, ROOFING PITCH, AND CERTAIN OTHER NAMED CONSTRUCTION MATERIALS. Registered Mar. 8, 1927. Samuel Cabot, Inc., Boston, Mass., a corporation of Massachusetts. Renewed Mar. 8, 1947. Class 12.

224,981. **BEN-HUR.** FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, GRAPE FRUIT. Registered Mar. 8, 1927. Redlands Co-Operative Fruit Association. Renewed Mar. 8, 1947, to Redlands Co-operative Fruit Association, Redlands, Calif., a corporation of California. Class 46.

225,073. **GOTHIC JAR PROOF.** WATCHES. Registered Mar. 8, 1927. Gothic Watch Co. Inc. Renewed Mar. 8, 1947, to Gothic Jarproof Watch Corp., New York, N. Y., a corporation of New York. Class 27.

225,088. **C-V.** FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, GRAPEFRUIT, AND TANGERINES; FRESH DECIDUOUS FRUITS—FIGS, DATES, FRESH GRAPES; FRESH VEGETABLES—NAMELY, TOMATOES. Registered Mar. 8, 1927. Coachella Valley Grapefruit Association, Thermal, Calif. Renewed Mar. 8, 1947, to Coachella Valley Citrus Association, Mecca, Calif., a corporation of California. Class 46.

REISSUES

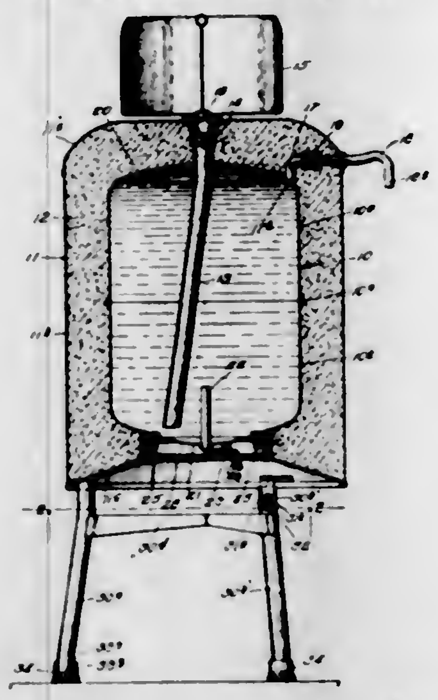
APRIL 15, 1947

22,866
WATER HEATER

Henry B. Babson, Chicago, and Chester A. Thomas, Crystal Lake, Ill., assignors, by mesne assignments, to Losee Products Co., a corporation of Illinois

Original No. 2,408,403, dated October 1, 1946, Serial No. 524,538, March 1, 1944. Application for reissue October 18, 1946, Serial No. 703,970

19 Claims. (Cl. 219—38)



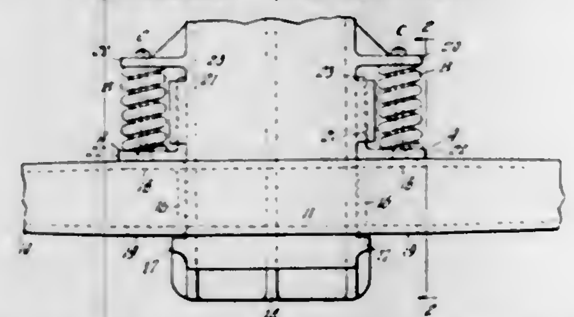
5. A water heater of the over-flow type, including: a water-holding portion including an inner tank and an enclosure for said tank comprising heat-insulating material said enclosure having an inwardly and upwardly inclined bottom forming a depression; a hinge member secured to said bottom in said depression; a base portion for supporting the water-holding portion; and a pivotal connection between said base portion and hinge member.

22,867
RAILWAY CAR TRUCK

George E. Dath, Mokena, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware

Original No. 2,390,206, dated December 4, 1945, Serial No. 534,039, May 4, 1944. Application for reissue June 7, 1946, Serial No. 674,942

6 Claims. (Cl. 105—197)



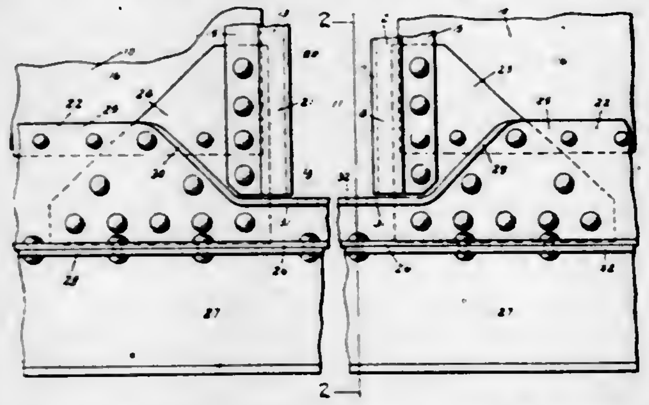
1. In a railway car truck, the combination with truck side frames, a truck bolster, and springs supporting said bolster on the side frames; of vertically spaced guide slots on one side of said bolster at one end thereof, said guide slots extending lengthwise of the bolster; a friction plate having a section thereof extending lengthwise of the bolster and guided for lengthwise movement in said guide slots, said plate having a second section at right angles to said first named section bearing on the inner side of the corresponding side frame in sliding engagement therewith; a laterally extending spring abutment flange projecting from said side of the bolster rearwardly of said guide slots, said abutment flange being spaced inwardly from the corresponding side frame; and a spring under predetermined compression interposed between the second named section of the friction plate and said spring abutment flange.

22,868
CAR CONSTRUCTION

Frank Ditchfield, Cleveland, Ohio, assignor to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio

Original No. 2,385,062, dated September 18, 1945, Serial No. 507,125, October 21, 1943. Application for reissue April 26, 1946, Serial No. 665,051

12 Claims. (Cl. 105—418)



1. In a railway house car having a floor, spaced door posts, a side sill, said sill having an upstanding leg extending substantially from end to end of said car, said leg from said posts to the ends of said car extending above said floor, said leg being flanged between points adjacent to said posts, said flange gradually sloping downward and inward from said points to said posts and being horizontal from post to post, said horizontal portion of said flange being adapted to lie upon said floor, and means securing said posts to said sill.

22,869
PROCESS AND APPARATUS FOR ELECTRONIC PRINTING

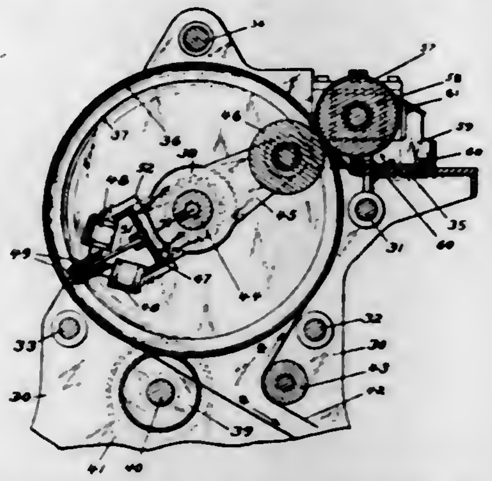
William C. Huebner, New York, N. Y.

Original No. 2,224,391, dated December 10, 1940, Serial No. 277,644, June 6, 1939. Application for reissue April 17, 1945, Serial No. 588,755

21 Claims. (Cl. 101—426)

1. In a printing press having a frame and means for feeding a web of print receiving material, the combination of a hollow impression drum rotatably mounted in the frame; an ink-image-carrying cylinder rotatably mounted on the frame and cooperable with the drum; pressure-creating means within and cooperable with the drum; means within the drum for inducing a field of force at the surface of the drum; and

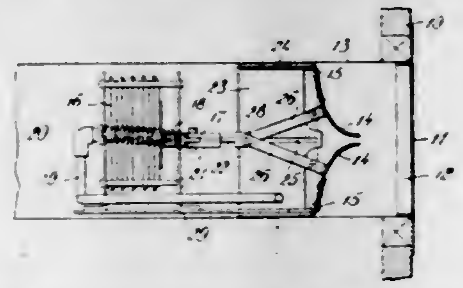
means for selectively positioning either said pressure creating means or the field of force



creating means in operative position at the impression zone of the drum and ink-image-carrying cylinder.

22,870
METHOD AND APPARATUS FOR AIR CONDITIONING

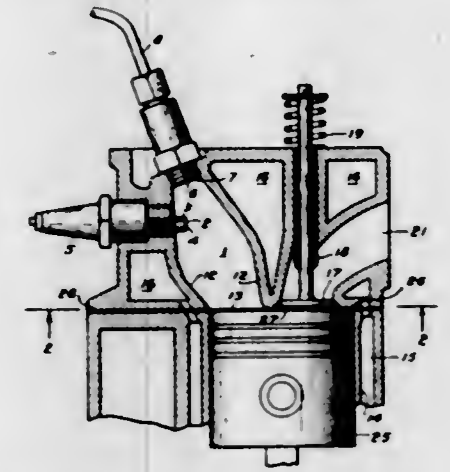
Gustave Adolphus Peple, Jr., Richmond, Va.
Original No. 2,281,615, dated May 5, 1942, Serial No. 289,136, August 9, 1939. Application for reissue November 2, 1944, Serial No. 561,572
8 Claims. (Cl. 98—40)



1. In an air-conditioning apparatus, a duct leading into the space to be conditioned, a damper for controlling the flow of air therethrough, said damper comprising a pair of curved vanes movable toward and away from each other, means for positively and equally moving said vanes, said vanes having their convex side toward the incoming air and so positioned that a tangent to the curve at the point on each vane nearest the opposite vane is substantially parallel to the axis of the duct and the curvature of the vanes being such that the volume of air passing through the opening under constant duct pressure is at a constant velocity and substantially free from eddy currents at all positions of adjustment of said vanes, and a grill having directional louvers at the discharge end of said duct, said grill being placed as close to said damper as the necessary operating clearance of the vanes permits.

22,871
INTERNAL-COMBUSTION ENGINE

Allan M. Starr, Piedmont, Calif., assignor to Starr & Sweetland, San Francisco, Calif., a limited partnership composed of Allan M. Starr and Ernest J. Sweetland
Original No. 2,231,172, dated February 11, 1941, Serial No. 237,925, October 31, 1938. Application for reissue December 30, 1946, Serial No. 719,144
4 Claims. (Cl. 123—32)



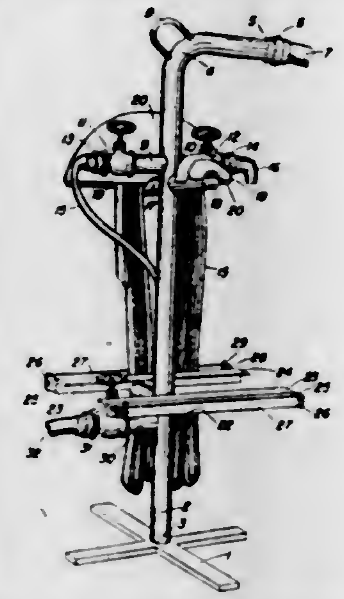
4. An internal combustion engine comprising a cylinder having a bore, a piston in said bore, a cylinder head having a valve controlled air inlet opening therein, a combustion chamber in said cylinder head opening into said cylinder bore and in which residual exhaust gas will be trapped and compressed in substantially quiescent stratified form above a substantially quiescent charge of air forced into said chamber on the compression stroke of said piston, said air inlet opening and the opening into said combustion chamber being disposed to substantially completely overlie said cylinder bore and piston, fuel injection means including an injection nozzle disposed to inject fuel through the stratum of gas and into the charge of air in said combustion chamber, and spark ignition means including a spark plug disposed in said chamber for igniting the mixture of air and fuel, said fuel injection means and spark ignition means being timed to operate during the compression stroke of the piston to inject the fuel and ignite the mixture of air and fuel while said gas stratum and air charge remain in substantially quiescent condition, and said cylinder head having its inner surface disposed closely adjacent the face of the piston when the latter is in top dead center position whereby substantially the entire charge of air taken into the cylinder bore is forced into said combustion chamber and the final portion of said air charge is driven laterally from between the piston and cylinder head into said combustion chamber to impart turbulence to the previously ignited mixture of air and fuel.

PATENTS

GRANTED APRIL 15, 1947

2,418,808
PORTABLE FIRE HYDRANT

August H. Benson, Los Angeles, Calif.
Application March 20, 1945, Serial No. 583,831
2 Claims. (Cl. 299—77)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

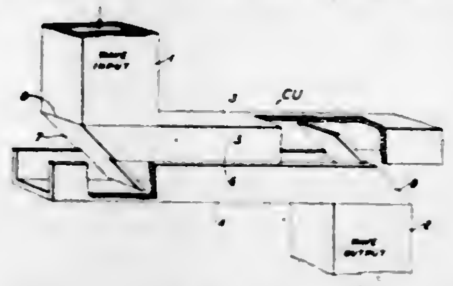


1. A portable fire hydrant comprising a base, a pipe rigidly secured to said base extending substantially perpendicular from the plane of the base, said pipe being closed at the end adjacent the base and having a bent over portion at the opposite end, a coupling at the end of said bent over portion adapted to receive a hose from a source of fluid supply, a pair of pipes extending from the first named pipe substantially perpendicular thereto, each of said second named pipes having a valve and a connection adapted to receive a hose, a pair of supporting arms secured to said first named pipe substantially perpendicular thereto and to said second named pipes, a pair of substantially parallel guide plates secured adjacent the outer end of each of said arms in spaced relation to each other to form a hose guide, a second pair of arms secured to said first named pipe substantially perpendicular thereto between said first named arms and said base, said second named arms having latch means to cooperate with said first named arms to secure a hose to the hydrant.

2,418,809
WAVE TRANSMISSION SYSTEM

Walter J. Albersheim, Interlaken, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 25, 1943, Serial No. 499,883
14 Claims. (Cl. 178—44)

1. In an electromagnetic wave transmission system, two dielectric wave guides forming portions of a continuous wave transmission line and variable length wave coupling means between said two wave guides comprising a third dielectric wave guide divided longitudinally into two parts adapted for relative slidable movement longitudinally, one of said two wave guides being fixedly connected to one end of one of said parts and the other being fixedly connected to the opposite end of the other part of said third wave guide, so that the length of the wave transmission path between said two wave guides over said coupling means may be varied by said relative slidable movement of said two wave guide parts, and wave deflect-



ing means respectively fixedly connected to a different one of said two wave guides, for diverting the wave energy received over one of said two wave guides into said third coupling wave guide and that energy from the latter wave guide into the other of said two wave guides.

2,418,810
CONTACT ELEMENT

Philip L. Alger, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application October 8, 1943, Serial No. 505,535
1 Claim. (Cl. 171—325)

A brush contact element including a block formed of a finely divided carbonaceous material, finely divided copper, and cadmium sulphide.

2,418,811
CONTACT ELEMENT

Roy L. Adams and Lyall Zickrick, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
No Drawing. Application October 8, 1943, Serial No. 505,536
3 Claims. (Cl. 171—325)

1. An electrical contact element including a block formed of carbonaceous material, a metal, and a sulphide of said metal.

2,418,812
CONTACT ELEMENT

Fred Girvin, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application October 8, 1943, Serial No. 505,539
5 Claims. (Cl. 171—325)

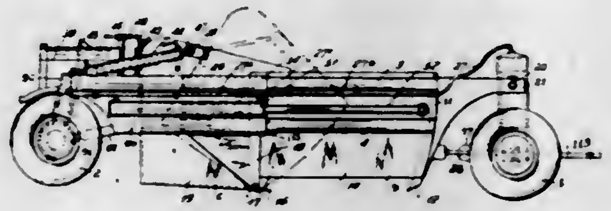
1. An electrical contact element including 30 to 15 percent carbonaceous material, 35 to 60 percent copper, and 40 to 20 percent silver sulphide.

2,418,813
SCRAPER

Walter R. Anderson, Cleveland, Ohio
Application October 13, 1941, Serial No. 414,862
5 Claims. (Cl. 37—126)

1. In a scraper vehicle, in combination, a vehicle frame, a dirt receiving body on the frame

comprising a first scraper disposed to dig into and scrape undug earth in one direction to pass into the body, a second scraper mounted on said frame independently of the said first scraper and including a relatively vertically disposed earth penetrating portion to dig into undug earth at a point spaced from the first scraper and movable in a direction opposite to that in which the first scraper scrapes, means for lowering the body with the first scraper to dig into the undug earth and move it horizontally to scrape up said earth to enter the body, and controlling means to lower the second scraper to penetrate undug earth and maintain said second scraper against upward movement when so engaged in the earth, and means to move the second scraper horizontally, while forcibly maintained at its digging depth, to scrape up said earth and carry the same toward the first scraper into the dirt receiving body.



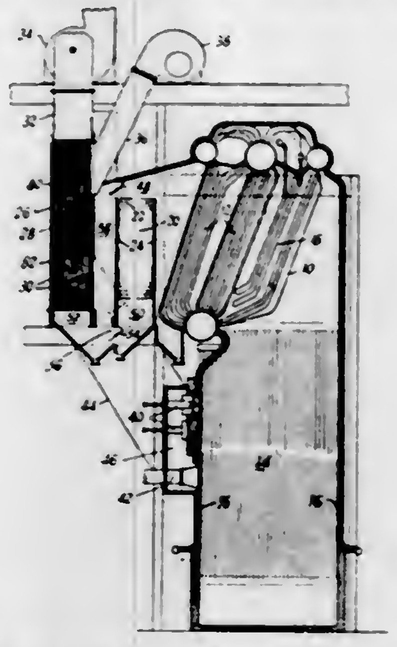
2,418,814
METHOD FOR DETERMINING ISO-PARAFFINS IN HYDROCARBON MIXTURES
George W. Ayers, Chicago, and Erskine E. Harton, Jr., Evanston, Ill., assignors to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
No Drawing. Application February 4, 1943, Serial No. 474,748
19 Claims. (Cl. 23—230)

1. In the method of determining the amount of hydrocarbons having a carbon atom with a single hydrogen atom linked thereto, in a hydrocarbon mixture involving reaction of the mixture with antimony pentachloride followed by titration with alkali metal bromate solution, the step of reacting the antimony pentachloride with the hydrocarbon mixture in the presence of a uranyl salt capable of catalyzing the reaction of the antimony pentachloride with said hydrocarbons at a temperature below that at which substantial chlorination of normal paraffin hydrocarbons occurs.

14. The method of chlorinating saturated hydrocarbons containing a tertiary carbon atom which comprises contacting a mixture of said hydrocarbons and antimony pentachloride in a dry state with a uranyl salt at a temperature of 70–90° F.

2,418,815
FLUID HEATING
Clyde B. Baver, Fanwood, N. J., assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application March 20, 1942, Serial No. 435,466
11 Claims. (Cl. 122—1)

1. In a fluid heater having a heating gas outlet, a pair of heat exchangers having heating surface therein, a conduit system connecting said heat exchangers to said gas outlet for a heating gas flow to said heat exchangers, dampers positioned in said conduit system and operable to provide a heating gas flow through both of said heat exchangers in series or in parallel or through only one of said heat exchangers, and means for by-passing the fluid to be heated in one of said heat exchangers around part of the heating surface therein, the heating surface contacted by said heating gas for any of said conditions of flow being confined to heating surface provided by said heat exchangers.

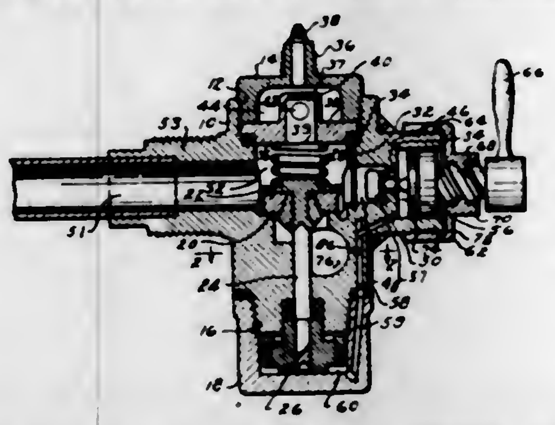


2,418,816
BLACK SULFUR DYES AND PROCESSES FOR MANUFACTURING THE SAME
Newell M. Bigelow, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 13, 1944, Serial No. 530,944
5 Claims. (Cl. 260—137)

1. In the manufacture of black sulfur dyes produced by thionating an intermediate of the group consisting of di-nitro-phenols, picric acid, mixtures of di-nitro-phenols with picric acid and mixtures of said intermediates containing mono-nitro-phenols and converting the product of thionation to its water-insoluble form by the action of an oxdizing agent in aqueous medium; the step which comprises adding a treating compound of the group consisting of alkali metal cyanides, alkaline earth cyanides and alkali metal thiocyanates to a mildly alkaline aqueous suspension of said water-insoluble form of the dye, heating the suspension and subjecting the same to the action of said treating compound until the exhaust property of the dye is increased, said compound being added to said suspension in an amount equivalent to about 0.1 to about 1.0 part of active sodium cyanide to 1 part of the intermediate thionated.

2,418,817
SAFETY DEVICE FOR FIRE EXTINGUISHER VALVES
John H. Cantlin, Auburn, Maine, assignor to Walter Kidde & Company, Inc., a corporation of New York
Application April 20, 1944, Serial No. 531,965
4 Claims. (Cl. 137—69)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. The combination, in a valve, of a valve body having an inflow and an outflow passageway, a removable connection attachable to said outflow passageway, a main valve openable for connecting said inflow to said outflow passageway, a fluid expansible means for opening said main valve, a passageway for conveying fluid under pressure from the inflow passageway to said fluid expansible means, means actuable at the will of the operator for directing fluid under pressure from said inflow passageway through said fluid conveying passageway to said fluid expansible means for expanding said fluid expansible means for opening said main valve, and a pressure bleeding passageway connecting said fluid conveying passageway to a position adjacent said removable connection operative to be opened by loosening said removable connection to relieve said fluid expansible means of said fluid under pressure to prevent said main valve being open.



2,418,818
PACKAGING MATERIAL AND PROCESS COVERED THEREBY
Mayne R. Coe, Washington, D. C., assignor to Rile-Coe Filter Process, Inc., Dover, Del., a corporation of Delaware
No Drawing. Application August 14, 1941, Serial No. 406,909
14 Claims. (Cl. 99—171)

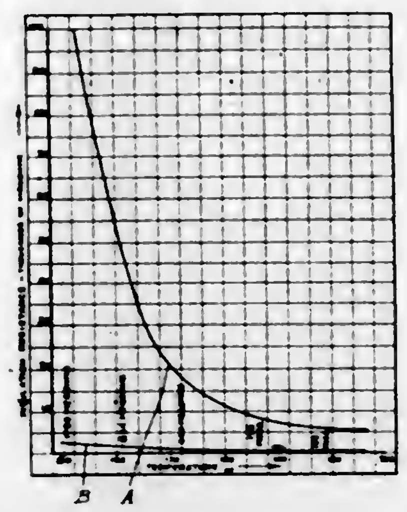
1. The process of inhibiting deleterious photochemical action in commodities of the genus Flora which normally would result from the absorption thereby of certain wave lengths of light, which comprises shielding the commodity from rays of light with a material such as to admit to the commodity those wave lengths of light between approximately 4900 and 6300 as well as above approximately 6700 angstrom units, while excluding wave lengths of light in all other regions.

2,418,819
PROCESSING OF CASTOR OIL
George F. Coggins, New Bedford, and John Francis Ahearn, Reading, Mass., assignors to Aerovox Corporation, New Bedford, Mass.
No Drawing. Application July 7, 1942, Serial No. 450,094
4 Claims. (Cl. 260—427)

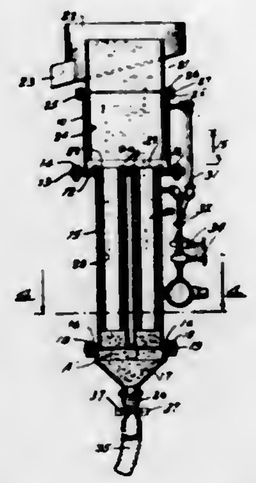
1. The process of removing free acid from castor oil of the type that forms stable emulsions with water which consists in bringing into contact with the oil a neutralizing agent in aqueous solution, bringing the oil together with the soap stock formed therein into contact with substantially the minimum quantity of fuller's earth capable of complete removal of the soap stock and finally separating from the oil solid and absorbed aqueous matter, including the soap stock.

2,418,820
ART OF DIELECTRICS
George F. Coggins, New Bedford, and John Francis Ahearn, Reading, Mass., assignors to Aerovox Corporation, New Bedford, Mass.
Application July 7, 1942, Serial No. 450,095
6 Claims. (Cl. 252—64)

1. A dielectric structure comprising absorbent cellulosic material impregnated with castor oil that is substantially free of those constituents that admit of removal by treatment with fuller's earth, said castor oil having a power factor of less than .05 per cent measured on 1000 cycles at 185 degrees F. and a resistivity of more than 10^{12} ohms per cubic centimeter at 185 degrees F., such structure when incorporated in a capacitor being characterized by greatly improved insulation resistance, power factor and life.



2,418,821
PLURAL STAGE HYDRAULIC CLASSIFIER
William Hawes Coghill and Glenn Dale Coe, Tuscaloosa, Ala., assignors to the Government of the United States, as represented by the Secretary of the Department of the Interior
Application December 18, 1944, Serial No. 568,742
4 Claims. (Cl. 209—158)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

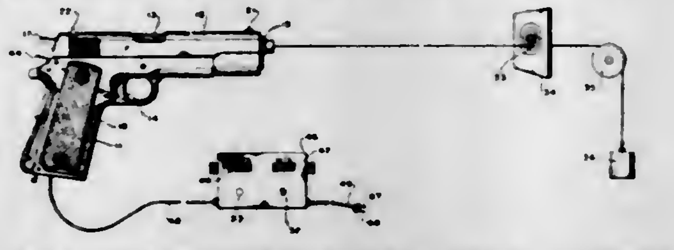


1. A hydraulic classifier comprising: a cylindrical roughing compartment; a flat bottom in said roughing compartment; an inner jacket in said roughing compartment sealed to the upper periphery thereof and positioned in spaced relation to the cylindrical wall and flat bottom thereof; an overflow receptacle surrounding the upper extremity of said inner jacket; means for introducing water into the space between said jacket and said wall; a plurality of spaced-apart cylindrical finishing columns opening through the bottom of said compartment and extending downwardly therefrom, said columns having a greater depth than said compartment; an inner jacket in each column sealed to the wall at the top thereof and positioned in uniform spaced relation to the wall thereof, said tubes terminating above the bottom of said columns; means for introducing water between said tubes and the walls of said columns; a collecting chamber, all of said

columns opening to said chamber at their lower extremities and being sealed thereto; and means for discharging collected material from the bottom of said chamber.

2,418,822
PISTOL TRAINER

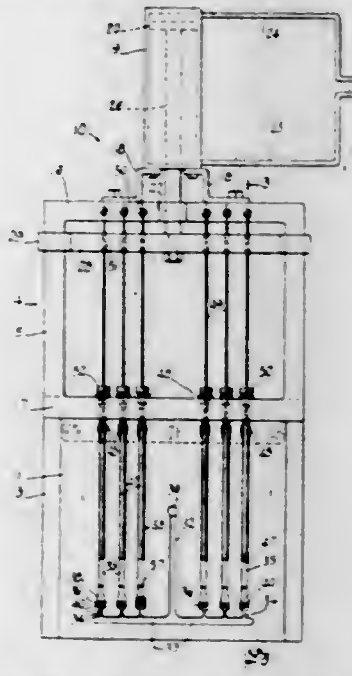
Luis de Florez, United States Navy
Application January 17, 1945, Serial No. 573,233
10 Claims. (Cl. 35—25)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. As a marksmanship scoring device, a tubular sleeve adapted to be positioned within the barrel of a firearm and a plurality of aiming contacts carried by said sleeve; a plurality of firing contacts adapted to be secured to the firearm and to be actuated by the lock mechanism of the firearm; a target; one of said aiming contacts being in the form of a wire connected with the point of aim on said target, whereby said aiming contacts are closed when the firearm is incorrectly aimed; together with an electrical circuit including all of the aforementioned contacts and an electric scoring device adapted to operate in response to the operation of the aforementioned aiming and firing contacts.

2,418,823
APPARATUS FOR MOLDING WIRE CORE TEMPLES

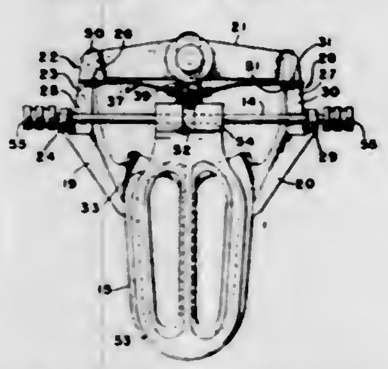
Anthony J. Desimone, Lyndhurst, N. J., assignor to Columbia Protektosite Company, Inc., Carlstadt, N. J., a corporation of New Jersey
Application February 7, 1945, Serial No. 576,675
3 Claims. (Cl. 18—36)



1. Apparatus for molding wire core temples, including a gang mold having a plurality of temple forming mold cavities having a common injection port for feeding plastic thereinto at one end thereof, means at said end for holding wire cores in the cavities, the cavities having their other ends open, piston tubes for centering the wire cores slidably fitted in the cavities and each being movable to advanced position in relative proximity to the feed end of its cavity in which position the tube extends into the open end of the cavity, said tubes being adapted to be retracted out of the cavities as the molding of the temples is completed, individual means for releasably retaining the tubes in the retracted position, and common means for moving the tubes to advanced position, and being movable out of the path of the tubes to permit retraction thereof, the tubes being movable to retracted position substantially solely in response to the pressure of plastic that is being injected into the cavities with each tube retracting individually and offering relatively little resistance to the plastic so that the latter fills the cavities at low pressure therein.

2,418,824
DENTAL ARTICULATOR

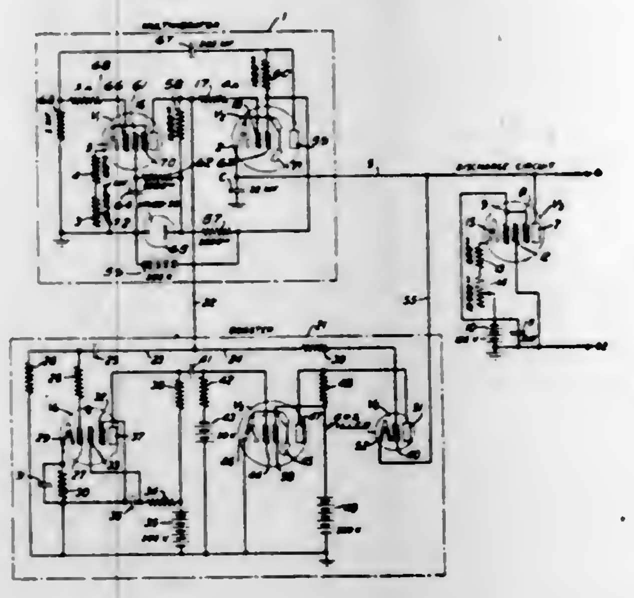
Charles E. D'Essen, New York, N. Y.
Application July 13, 1945, Serial No. 604,830
1 Claim. (Cl. 32—32)



In an articulator the combination of a lower bow comprising a horizontally extending tongue-like foot portion, a pair of posts rising from the rear end of the foot portion and disposed symmetrically with respect to the longitudinal center line of the tongue-like foot portion, a transverse portion interconnecting the top end portions of said posts, each post having in its upper portion an upwardly open recess disposed intermediate said transverse portion and said foot portion although adjacent to said transverse portion, said recess being defined by a hook portion the open end of which faces said transverse portion, a substantially vertical face facing opposite to said hook portion, an operating face for sliding contact with a portion of the upper bow to be defined below, said operating face extending intermediate said vertical face and said hook portion of the recess, an upper bow comprising a tongue-like portion having fixed to its rear end a transversely extending shaft adapted to lodge in said hook portion and having a circular groove concentric with the shaft and disposed in the middle of said upper bow tongue-like portion, and a V-shaped resiliently deformable locking and centering member having a non-deformable vertex portion at the middle presenting a ridge adapted to lodge in said circular groove of the upper bow, and deformable flat spring shank portions the ends of which are attached to the respective vertical faces of said recesses, so that said V-shaped member is confined and held in tensioned condition between said circular groove and said vertical faces thereby resiliently locking and centering said upper bow with respect to the lower bow while maintaining articulated relationship between them, one end of said V-shaped members being fixed while the opposite end thereof is horizontally displaceable to allow for deformation of the member, and adjustable stop means for defining the angular relationship between the upper and the lower bow when the same are in jaw closing position.

2,418,825
RELAXATION OSCILLATOR

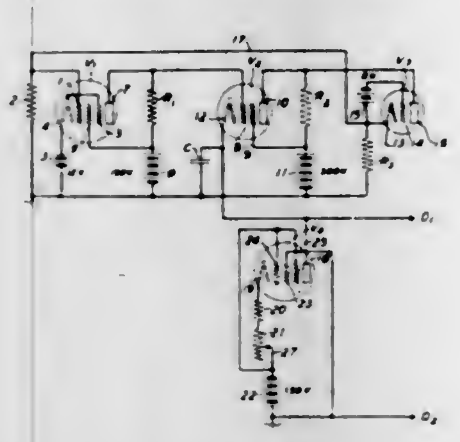
Olle D. Engstrom, East Williston, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 8, 1943, Serial No. 471,661
5 Claims. (Cl. 250—36)



1. In a relaxation oscillator including a condenser, means including thermionic devices for alternately charging and discharging said condenser coupled with additional means including thermionic devices controlled by said first-mentioned means for accelerating the charging of said condenser.

2,418,826
MULTIVIBRATOR CIRCUIT

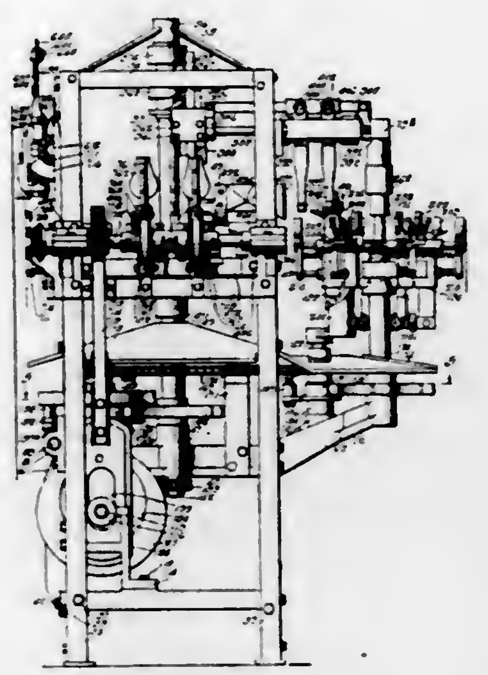
Olle D. Engstrom, East Williston, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 22, 1943, Serial No. 473,189
4 Claims. (Cl. 250—36)



1. A multivibrator circuit including an amplifier tube and a trigger tube, each of said tubes having at least a cathode, a control grid and an anode, power supplies for said tubes, conductive coupling between ground and the cathode of said amplifier tube, capacitative coupling between ground and the cathode of said trigger tube, conductive coupling between ground and the control grid of said amplifier tube, coupling between the anode of said amplifier tube and the control grid of said trigger tube and conductive coupling including a thermionic vacuum tube between the anode of said trigger tube and the control grid of said amplifier tube.

2,418,827
MACHINE FOR STEMMING, SPLITTING, PEELING, AND CORING PEARS

Mark Ewald, Olympia, Wash., assignor to Special Equipment Company, Portland, Oreg., a corporation of Oregon
Application October 6, 1932, Serial No. 636,447
15 Claims. (Cl. 146—33)



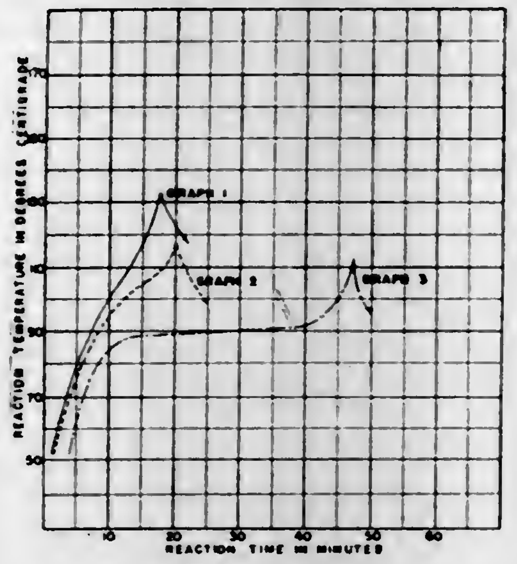
1. A fruit treating apparatus comprising a frame, a turret in said frame, means for moving said turret intermittently, paired fruit cups for half fruits on said turret, stations about said frame at which said cups are adapted to be successively disposed incident to each intermittent movement of said turret, a second turret to receive whole fruit, means for splitting the whole fruit, a mechanism for removing fruit from said second turret and feeding the split fruit to said paired cups on said first turret at one of said stations, a paring mechanism at the succeeding station, a coring mechanism at the next succeeding station, and a mechanism for scavenging said cups at the next succeeding station, the last named station being precedent to the said feeding station.

2,418,828
POLYMERIZATION OF METHYL METHACRYLATE

David A. Fletcher, Pompton Plains, N. J., and Frederick L. Johnston, Claymont, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application May 29, 1946, Serial No. 673,138
6 Claims. (Cl. 260—83)

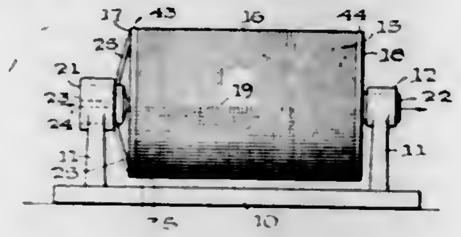
1. Process of polymerizing a saturated aliphatic alcohol ester of methacrylic acid, which comprises forming an aqueous dispersion of a monomeric saturated aliphatic alcohol ester of methacrylic acid and from 1.0% to 0.005%, by weight of the monomer, of benzoyl peroxide, at a temperature below about 80° C., heating said dispersion to cause its temperature rapidly to rise to at least 110° C. and completing the polymerization of said ester at a temperature between 110° C. and the depolymerization temperature of the polymer formed, the process being so controlled that said monomeric ester is not in contact with

said benzoyl peroxide for greater than 15 minutes within the temperature interval of 40° C. to 110° C., nor for greater than 10 minutes within the temperature interval of 80° C. to 110° C.



2,418,829
ROTARY MOTOR

Charles William Gibbs, Chevy Chase, Md.
Application September 30, 1943, Serial No. 504,477
6 Claims. (Cl. 253—65)

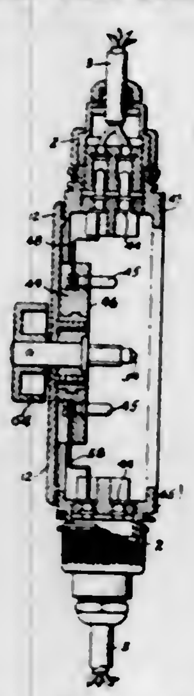


1. A rotor for a rotary motor of the type described and through which a plurality of continuously expanding generally longitudinal passages extend from end to end, said rotor comprising a member of the order of hundreds of thin contiguous laminae extending at right angles to the axis of rotation of the rotor, each lamination having therein a plurality of straight through holes, each to form a portion of one of said passages, said laminae being arranged so that cooperating holes in adjacent discs are circumferentially offset by an amount which causes each passage to have a desired amount of pitch or twist about the said axis of rotation, the holes in each lamination being arranged with their centers on circles concentric with said axis, the cross sectional areas of the holes in any one circle progressively increasing about the circle, said circles of holes occurring in adjacent related pairs with the holes in the two circles of a pair alternately included in the progressive area increase.

2,418,830
ARRANGEMENT OF ELECTRICAL INSTRUMENTS ON AIRPLANES

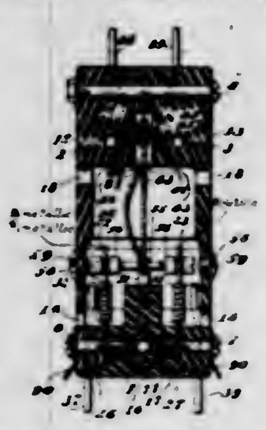
Léon Gouy, Geneva, Switzerland; vested in the Attorney General of the United States
Application December 9, 1942, Serial No. 468,400
In France December 5, 1941
4 Claims. (Cl. 174—59)

1. A junction box construction for the electrical systems of airplanes, comprising, in combination, a base for attachment to a support, insulation means in the base, socket type terminals in said insulation means, a multi-faced side wall having one edge abutting said base, a cover abutting the opposite edge of said multi-faced side wall, insulation means carried by the inner face of the cover, pin-type terminals carried by said insulation means at the inside face of the cover and adapted to register with and enter the socket-type terminals on the insulation means of the base, cooperating means respectively on the cover and base for drawing the cover toward the base to force the pin-type terminals thereof into the socket-type terminals of the base, and fastenings for connecting the cover, side wall, and base.



2,418,831
ELECTRIC SWITCH

James C. Hamilton, Lexington, Mass., assignor to Photoswitch, Incorporated, Cambridge, Mass., a corporation of Massachusetts
Application December 9, 1943, Serial No. 513,571
5 Claims. (Cl. 200—67)



5. A switch of the type having a snap switch unit with a tension spring member and a compression spring member joined at a contact portion, one member being supported at fixed pivots and the other member being held at a pivot which is adapted to move with a connector between the movable ends of two actuator strips which extend substantially in the direction of the lines of stress of said members, and which have mounting means at their other ends, said contact portion moving rapidly when the directions of stress of said members pass a limiting relative position due to relative movement of said pivots; said switch comprising a mounting block adapted to receive said mounting means of said strips on opposite sides of said block in fixed positions substantially parallel to said directions, a mounting block having means constituting said fixed pivots; a cover block extending alongside said spring members and substantially enclosing one of said strips, and carrying a contact member opposite said contact portion; means for fastening said cover block to said mounting block; and means associated with said connector for adjusting the distances of said moving pivot and of said movable ends.

2,418,832
CHEMICAL PROCESS AND COMPOUND THEREFROM

William E. Hanford and Jesse Harmon, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 17, 1942, Serial No. 447,429
8 Claims. (Cl. 260—663)

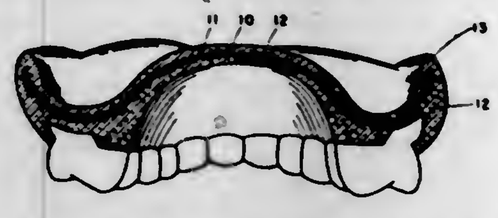
1. A process for preparing liquid to solid alkyl chlorides of the formula

$$H(CH_2CH_2)_nCl$$

wherein *n* is a plural integer which comprises reacting hydrogen chloride and ethylene at a temperature of at least 50° C. and a pressure of at least 100 atmospheres in the presence of a catalyst, said catalyst being selected from the class consisting of peroxygen compounds, molecular oxygen, tetraphenyllead, tetraethyllead, amine oxides, dibenzoylhydrazine, hydrazine salts and hexachloroethane, and isolating the liquid to solid alkyl chlorides of the above formula.

2,418,833
LAMINATED DENTURE

La Mar W. Harris and Lloyd W. Colton, United States Navy
Application October 23, 1945, Serial No. 624,006
5 Claims. (Cl. 32—2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

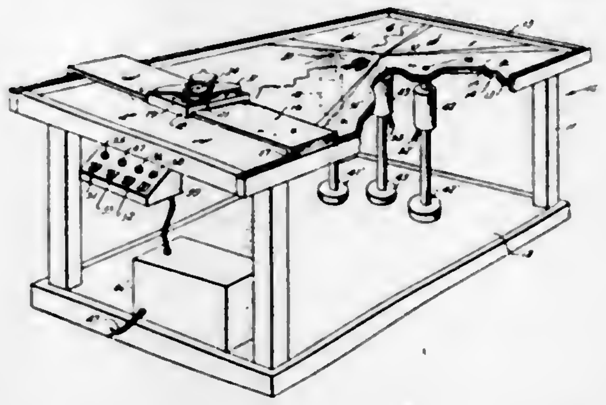


1. A laminated denture comprising a portion of glass fabric, impregnated with a modified vinyl butyral, a portion of acrylic resin bonded to said fabric on the exposed side of the denture, and a portion comprising a mixture of acrylic resin and polystyrene, bonded to said fabric on the tissue side of the denture.

2,418,834
AUTOMATIC RADIO COMPASS DEMONSTRATOR

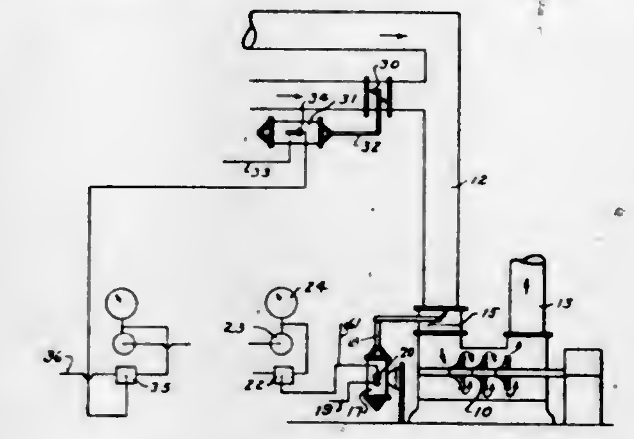
Leonard S. Hartman, Murfreesboro, Tenn.
Application June 8, 1945, Serial No. 598,357
6 Claims. (Cl. 35—39)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A device for visually demonstrating to a student in aviation the behavior of the compass and enable the student to learn about the procedure to be followed in using a radio compass, said device comprising a table supporting on its top a chart simulating an area with several radio broadcasting stations emanating radio signals, electromagnets mounted beneath the table top, one of which is placed underneath each one of the simulated radio stations, means for selectively energizing any one of said electromagnets, a simulated airplane having a compass indicator dial fixed thereon and also a needle movable over the dial, supporting means mounted movably on the table top and wherein the airplane and dial are mounted to be freely rotated therein and movable therewith by hand in any direction over the chart, and a permanent magnet connected with said needle to move therewith, being attracted by the electromagnet that is energized, whereby to actuate the compass needle and demonstrate visually the principle of the automatic radio compass.



2,418,835
BLOWER CONTROL

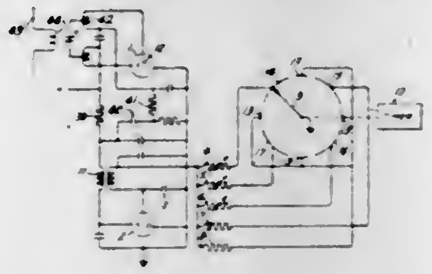
William A. Haugsted, Dayton, Ohio
Application August 22, 1944, Serial No. 550,653
8 Claims. (Cl. 230—115)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

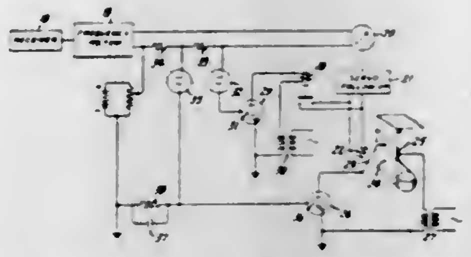


1. A blower having an inlet pipe an exhaust pipe, said pipes forming a conduit, an inlet valve in said conduit, variation of said inlet valve being adapted to vary the pressure-volume characteristic curve of said blower, said blower having a point on each characteristic curve at which pumping occurs, and a bleed valve in said conduit adapted, upon opening, to cause additional air to pass through said blower, in combination with a regulator for said blower, said regulator comprising means to gradually open said bleed valve as the operation of the blower approaches the natural pumping curve, means to gradually shut the bleed valve when the operation of the blower has moved away from the pumping curve to a definite amount, means to lock the bleed valve in fixed position as the operation of the blower passes a point intermediate that at which the bleed valve starts to open and that at which it starts to shut, and means to vary the points at which the bleed valve is actuated as the inlet valve is varied.

2,418,836
REMOTE RECORDING SYSTEM

Bradford K. Hawes, Stratford, Conn., assignor to General Electric Company, a corporation of New York
Application August 19, 1943, Serial No. 499,247
7 Claims. (Cl. 234—1.5)

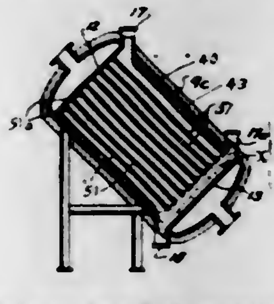




1. In an apparatus for intermittently recording a plurality of variable quantities on a single record strip, means for producing a current which varies in accordance with said quantities, means for interposing between said current values corresponding to said quantities other current values corresponding to a predetermined keying signal, means including a stylus and a deflection coil therefor for marking a record in accordance with said first mentioned current values, means for short-circuiting said coil during the occurrence of said other current values, and means for interrupting the marking of said record by said stylus during the occurrence of said other current values and during the initial portion of the occurrence of a subsequent one of said first mentioned values to prevent recording the movement of said stylus between the positions corresponding to said quantities.

2,418,837
CONTACTING APPARATUS

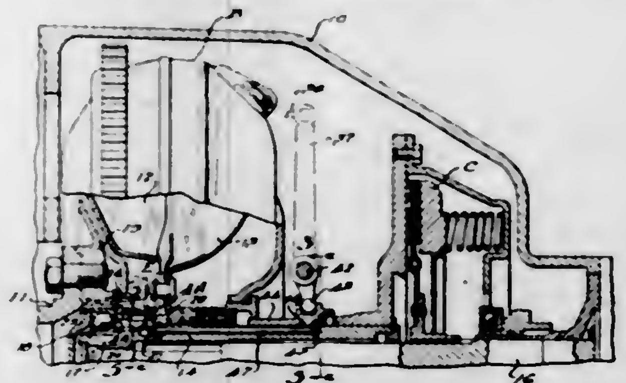
Eugene J. Houdry, Ardmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
Application April 4, 1942, Serial No. 437,687
2 Claims. (Cl. 23—288)



1. A catalytic apparatus comprising a casing, transverse apertured partitions within said casing defining with the walls of the latter a chamber, means supporting said casing at an angle to the horizontal, heat absorbing plates disposed in said chamber one above the other at the same angle to the horizontal as the casing is disposed, said heat absorbing plates being spaced from the partitions forming the chamber and being in spaced and substantially parallel relationship with each other, an inlet in a wall of the casing communicating with the uppermost portion of the space between the upper partition and the heat absorbing plates and with the space between said wall and the adjacent plate, and an outlet in the wall of the casing communicating with the lowermost portion of the last named space.

2,418,838
DRIVE CONTROL MECHANISM

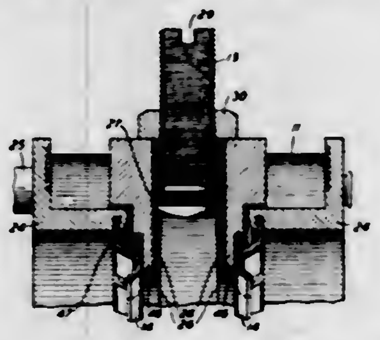
George J. Huebner, Jr., Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application April 4, 1942, Serial No. 437,622
6 Claims. (Cl. 192—3.2)



1. In a drive for a motor vehicle having driving and driven torque transmitting structures; fluid coupling means for drivingly connecting said structures; clutch means for drivingly connecting said structures together independently of drive through said coupling means; said clutch means comprising relatively engageable toothed clutching members respectively adapted for driving connection with said structures; means for biasing one of said clutching members for shift toward and from the other thereby to respectively control engagement and disengagement of said clutch means; and a ring having a limited circumferentially oscillatable lost-motion connection with one of said clutching members and having a friction surface adapted to engage the other of said clutching members for urging oscillation of said ring between the limits provided by said lost-motion connection, said ring having means blocking clutching shift of said shiftable clutching member when said ring is disposed at each of its said limits of oscillatory movement while accommodating clutching shift of said shiftable clutching member when said ring is disposed intermediate said limits.

2,418,839
WIDE RANGE TUNER FOR CAVITY RESONATORS

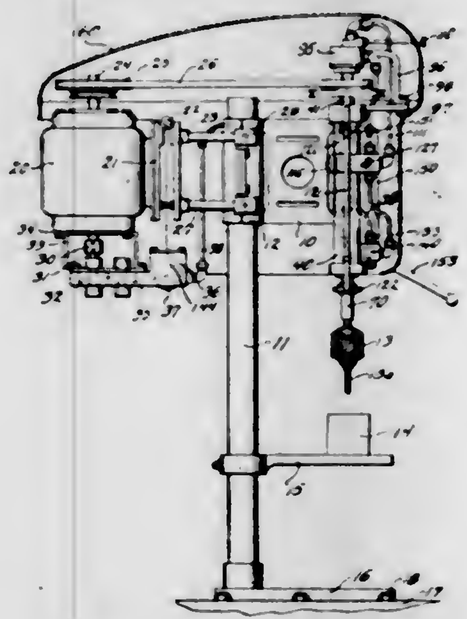
Renne S. Julian, Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 12, 1943, Serial No. 486,728
5 Claims. (Cl. 178—44)



1. A cavity resonator having a pair of substantially parallel wall portions, a tuning rod extending into said cavity with the axis of the rod parallel to said parallel wall portions, said rod having an enlarged threaded portion within said cavity engaging corresponding threads on the said parallel walls and said rod having a second threaded portion of smaller diameter, and a lock-nut engaging said second threaded portion of the rod and bearing against the exterior of the cavity resonator to tighten the engagement of the enlarged threaded portion of the rod with the said parallel walls, whereby a good conductive contact is obtained therebetween at any setting of the rod over a tuning range.

2,418,840
HYDRAULIC DRILL PRESS

John W. Karweit, Skokie, Ill., assignor, by mesne assignments, to Ex-Cell-O Corporation, Detroit, Mich., a corporation of Michigan
Application November 3, 1942, Serial No. 464,340
9 Claims. (Cl. 77—32)

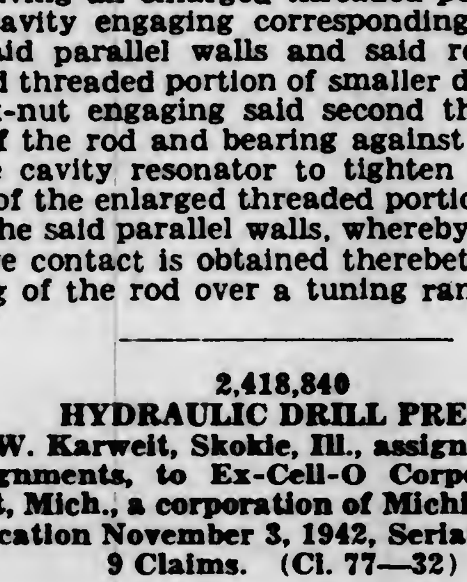


1. A drill press having a head and a work table, a plurality of axially aligned shafts, means for moving said shafts longitudinally with respect to each other including a cylinder upon one shaft and a piston carried by the other shaft disposed in the cylinder, means for rotating the shafts simultaneously, means for mounting a drill on one of the shafts, means for introducing fluid under pressure into said cylinder for moving one shaft longitudinally with respect to the other, and means driven by one of said shafts for intermittently interrupting the supply of fluid under pressure to said cylinder.

2,418,841
HYDRAULIC DRILL PRESS

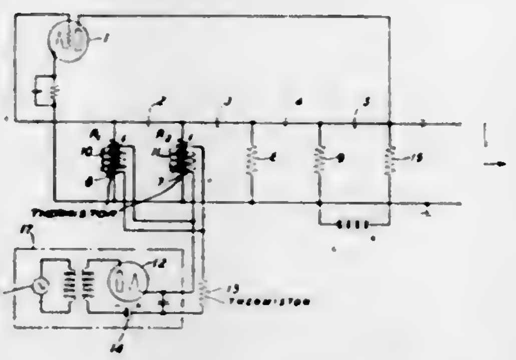
John W. Karweit, Skokie, Ill., assignor, by mesne assignments, to Ex-Cell-O Corporation, Detroit, Mich., a corporation of Michigan
Application November 6, 1943, Serial No. 509,233
15 Claims. (Cl. 77—32)

1. In a power driven drill press the combination of rotary drive and driven members, a cylinder connected to one of the members, a piston connected to the other member and located in the cylinder, means upon the driven member for receiving a drill in working position to drill a work piece, means for supplying hydraulic fluid to said cylinder upon one side of the piston to feed traverse the driven member and drill with respect to the work piece including a valve relaxing the flow of hydraulic fluid momentarily once each approximate revolution, and means for supplying hydraulic fluid under pressure to the cylinder upon the other side of the piston during the time when said flow is relaxed.



2,418,842
SCANNING OSCILLATOR

Boris J. Kinsburg, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 4, 1943, Serial No. 477,985
6 Claims. (Cl. 250—36)



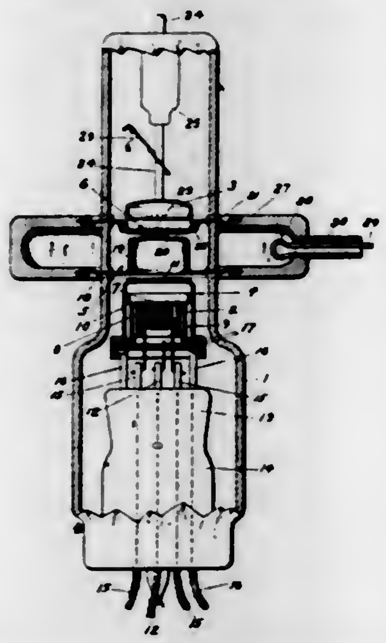
1. In combination a vacuum tube oscillator having a frequency determining network consisting of resistance and capacity elements at least one of the resistance elements being a thermistor and means for automatically varying the resistance of the thermistor comprising a source of alternating current, a circuit including a rectifier between the source and the thermistor and means for biasing the rectifier to control the variation in the resistance of the thermistor between successive alternations of the source.

2,418,843
FIRE-RESISTANT COATING COMPOSITION

Martin Leatherman, Hyattsville, Md.
No Drawing. Original application June 20, 1942, Serial No. 447,871. Divided and this application June 30, 1945, Serial No. 602,648
2 Claims. (Cl. 260—32)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

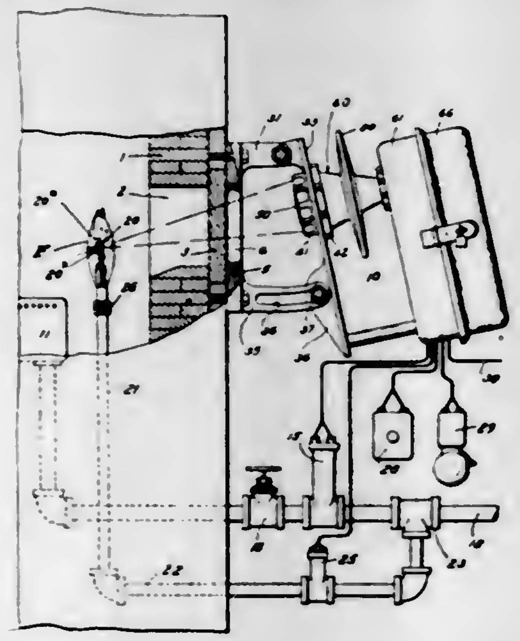
1. A composition for rendering the fabric rot- and fire-resistant, comprising the following materials in substantially the proportions stated: 20 lbs. polyvinyl chloride, 8 lbs. zinc carbonate, 8 lbs. tricresyl phosphate, 7 lbs. triphenyl phosphate, 45 lbs. acetone, 7 lbs. inert pigment, 0.8 lb. zinc naphthenate, and ½ lb. pentachlorphenol.

2,418,844
ULTRA HIGH FREQUENCY TUBE
James D. Le Van, Belmont, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application April 1, 1943, Serial No. 481,441
6 Claims. (Cl. 250—27.5)



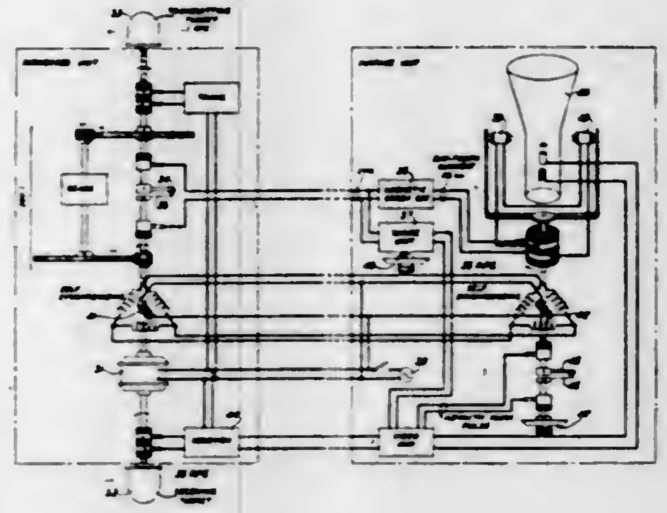
1. A high frequency tube comprising an electron-emissive cathode electrode, means adjacent thereto for accelerating a beam of electrons from said cathode, a pair of control grids mounted in the path of said beam, and an additional electrode, said pair of control grids being adapted to be connected to a resonant circuit to impart velocity modulation to the electrons in said beam, one of said grids being spaced from the other of said grids by a substantial length of a metallic supporting member, said supporting member being made of a material having a temperature coefficient of expansion of the order of about 5×10^{-6}.

2,418,845
OPTICAL SAFETY DEVICE
John A. Long, Cambridge, Mass., assignor to Combustion Control Corporation, Cambridge, Mass., a corporation of Massachusetts
Application March 15, 1944, Serial No. 526,639
4 Claims. (Cl. 250—41.5)



1. In apparatus for photoelectrically supervising a flame within confining walls having an observation window, a mounting plate having an opening adapted to surround said window, a second plate having a lens mounted therein hinged to said mounting plate at a distance therefrom thereby securing free passage of air between said plates, a housing having a phototube mounted therein, and a light confining conduit supportingly connecting and spacing said lens plate and said housing, said hinged connection permitting the uniplanar alignment of said phototube with said flame, and said spacing inhibiting the transmission of heat to said phototube.

2,418,846
SUBMARINE DETECTION SYSTEM
Larned A. Meacham, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 3, 1943, Serial No. 512,699
1 Claim. (Cl. 177—386)

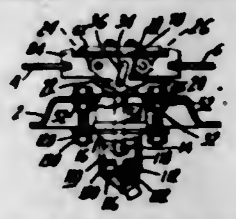


A plan position indicator comprising a cathode ray tube having a long persistence screen, beam controlling means for increasing the intensity of the beam of said tube, said beam being normally of low intensity, beam deflecting magnets, means for rotating said magnets about said tube, means for sweeping a continuously transmitted beam of energy of ultrasonic frequency slowly about a given field, a self-synchronizing connection between said sweeping means and said deflecting magnet rotating means for moving said cathode ray beam in correspondence with said ultrasonic frequency beam, a receiver for scanning said field at a comparatively high rate, a connection between said receiver and said beam controlling means for intensifying said cathode ray beam to produce an image on said screen when an echo of said ultrasonic frequency beam is received, means for intensifying said cathode ray beam for producing an azimuth and a range trace and means for adjusting the position of said traces whereby the position of an echo may be fixed.

2,418,847
OAT PUDDING COMPOSITION
Sidney Musher, New York, N. Y., assignor to Musher Foundation Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application April 19, 1945, Serial No. 589,262
20 Claims. (Cl. 99—139)

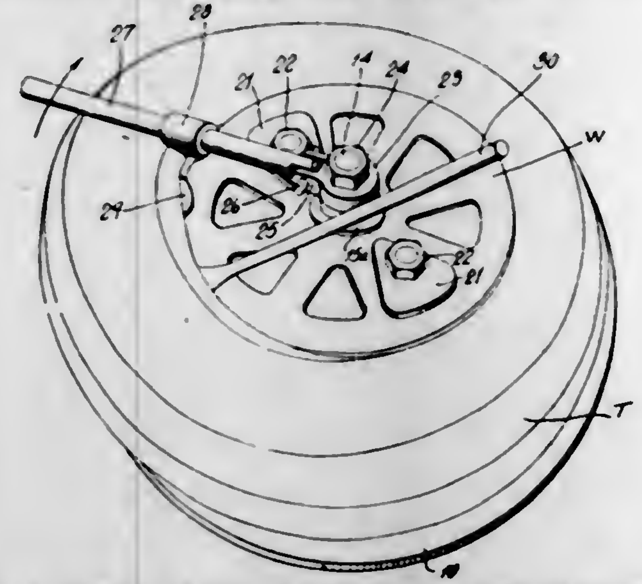
1. A composition useful for preparing a pudding comprising an oat flour and rennet.

2,418,848
BRAKE
Henri Perrot, Paris, France; vested in the Attorney General of the United States
Application May 20, 1942, Serial No. 443,791
In France January 29, 1941
8 Claims. (Cl. 188—78)



1. A brake comprising two shoes, a brake drum, a wedge operatively connected with the shoes for expanding the latter into contact with the drum upon operative stroke of the wedge, links forming part of the operative connection, and means acting through the wedge for returning the links to normal position independently of the return of the shoes upon retractile stroke of the wedge.

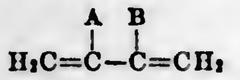
2,418,849
TIRE DEMOUNTING DEVICE
William Polt, Freeport, N. Y., assignor, by mesne assignments, to E & G Machine and Tool Company, Freeport, N. Y., a partnership consisting of Nicholas Garis and Leo Egoroff, both of Huntington Station, and William Polt, Freeport, N. Y.
Application December 1, 1943, Serial No. 512,410
2 Claims. (Cl. 157—6)



1. A device of the character described comprising means for supporting a first member for spoke-like rotation about the axis of a wheel having a peripheral groove for receiving a tire, a plow member carried by said first member in overlying relation to the wheel outer periphery and comprising a substantially rectangular blade having a leading edge engageable with the wheel outer periphery and a trailing edge spaced from the wheel outer periphery and having at one remaining edge a lip engaging the face of the wheel and having its fourth edge further removed from the wheel axis than the remainder of said blade.

2,418,850
CHEMICAL PROCESS AND PRODUCTS
Maynard S. Raasch, Wilmington, and Clement W. Theobald, Christiana Hundred, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 27, 1944, Serial No. 533,056
7 Claims. (Cl. 260—586)

1. The process for obtaining a substituted cyclopentenone, which comprises heating, under superatmospheric pressure and at a temperature within the range of from 125° C. to 250° C., carbon monoxide in contact with a substituted butadiene-1,3 having the general formula



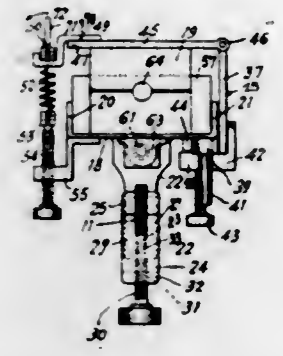
$$\begin{array}{cccc} & \mathrm{A} & \mathrm{B} & \\ & | & | & \\ \mathrm{H_2C}= & \mathrm{C}- & \mathrm{C}= & \mathrm{CH_2} \end{array}$$

wherein the A substituent is an alkyl radical and the B substituent is selected from the group consisting of hydrogen atoms and alkyl radicals, said substituted butadiene-1,3 being dissolved in an inert organic solvent containing an acidic material having an acid ionization constant of less than 2×10^{-3}, the reaction mixture having a pH within the range of from about 2 to about 6.

2,418,851
METHOD OF OXIDIZING SULFUR DIOXIDE TO SULFUR TRIOXIDE
Edgar F. Rosenblatt, East Orange, and Louis Pollen, Unionville, N. J., assignors to Baker & Company, Inc., Newark, N. J., a corporation of New Jersey
No Drawihg. Application May 23, 1942, Serial No. 444,266
4 Claims. (Cl. 23—175)

1. The method of oxidizing sulphur dioxide to sulphur trioxide, comprising reacting sulphur dioxide and oxygen at reaction temperatures in the presence of a supported catalyst comprising a carrier having deposited thereon a thin layer of platinum and palladium containing from about 50% to 90% platinum and from about 10% to 50% palladium.

2,418,852
ADJUSTABLE MOLD HOLDER
Herman Rothstein, New York, N. Y.
Application July 28, 1944, Serial No. 546,979
9 Claims. (Cl. 18—5.7)

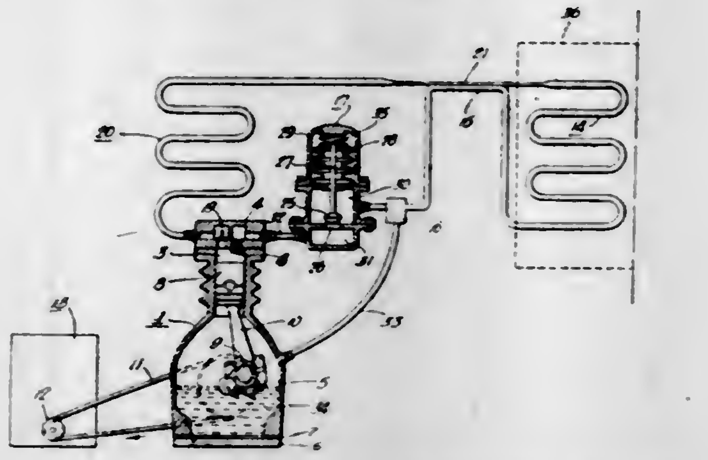


4. In a centrifugal casting machine, the combination with a swinging arm, of a post member slotted for the passage of said arm therethrough, a U-shaped member embracing said post member bifurcated to embrace said arm and fixedly attached thereto, a screw connecting said post and U-shaped member having a swivel engagement with the one and a threaded engagement with the other to form a means for transversely adjusting said post with respect to said arm and a mold carrier mounted on said post comprising base and top clamping plates, said base plate being attached to the upper end of said post, a side member transversely adjustably connected to said base plate and hingedly connected to said top plate, an end plate longitudinally adjustably secured to said base plate and a resilient link detachably engageable with the free edge portion of said top plate and vertically adjustably connected to said base plate.

2,418,853
REFRIGERATING APPARATUS IN WHICH THE PRESSURE IN THE CRANKCASE OF THE COMPRESSOR IS CONTROLLED

Malcolm G. Shoemaker, Abington, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania

Application November 29, 1944, Serial No. 565,683
9 Claims. (Cl. 62—3)

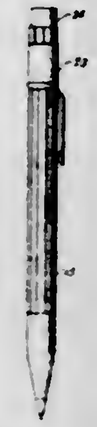


1. In a refrigerant circulating system for compressing, condensing and evaporating a refrigerant, the combination with a compressor comprising a crankcase and suction and discharge ports, of variable-speed drive means for said compressor, a condenser connected to said discharge port, an evaporator connected to said condenser for reception from the latter of the condensed refrigerant, means for regulating flow of the refrigerant from the condenser to the evaporator, means for conducting refrigerant from the evaporator to the suction port of said compressor, and means responsive to evaporator pressure for preventing the pressure in said crankcase from falling below a predetermined minimum irrespective of the speed of operation of said compressor.

2,418,854
MAGAZINE PENCIL

Blanchard D. Smith, Atlanta, Ga., assignor to Scripto Inc., a corporation of Georgia

Application January 19, 1944, Serial No. 518,863
10 Claims. (Cl. 120—18)

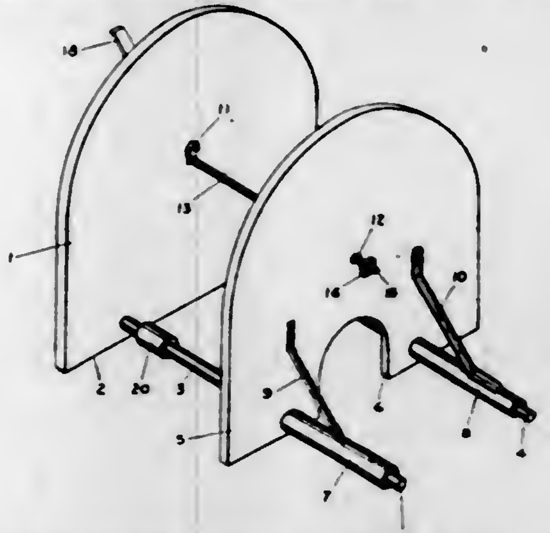


1. In a mechanical pencil of the type including relatively revoluble inner tube and outer barrel members: the material of at least one of said members cut away at the surface thereof partaking of motion of revolution relative to a surface of the remaining member, to provide magazine space for spare leads; and wedging-preventative means in said space to prevent breakage of leads by relative rotation of said members.

2,418,855
TIRE INFLATION STAND

Thurman V. Smith, Centerville, Utah

Application August 30, 1945, Serial No. 613,689
2 Claims. (Cl. 109—49.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

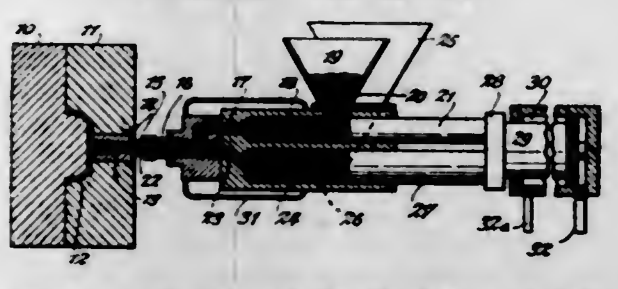


1. A tire inflation stand comprising a rear upright, a pair of spindles secured to said rear upright and being perpendicularly disposed thereto, a front upright positioned in spaced parallel relation to said rear upright and having a pair of apertures therethrough receiving said spindles, a pair of sleeves secured to said front upright in registry with said apertures and receiving said spindles, the space between said uprights being adapted to receive a tire assembly, said front upright having a cut-out therein adapted to furnish access to the valve of a tire assembly received between said uprights, a tie rod connecting said uprights adapted to clamp said uprights against a tire assembly therebetween and means holding said tie rod against rotation.

2,418,856
METHOD OF AND APPARATUS FOR INJECTION MOLDING

Thomas F. Stacy, Piqua, Ohio, assignor to The French Oil Mill Machinery Company, Piqua, Ohio

Application June 20, 1939, Serial No. 280,086
15 Claims. (Cl. 18—30)



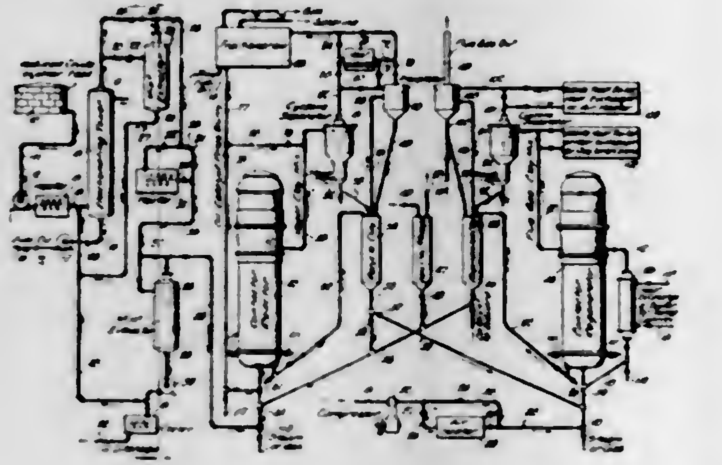
13. In an injection molding device of the type in which molding materials in fluid condition are delivered through a nozzle into a mold from which the nozzle may be separated between molding operations, that improvement which comprises a ram, means for reciprocating said ram, a pair of injection pistons connected to and operated simultaneously by said ram, an injection cylinder in which each of said pistons reciprocates, a nozzle having its discharge end formed to seat against a complemental seat on said mold and a passage opening through said formed end and connected to the discharge end of one injection cylinder, a conduit connected to the discharge end of the other of said injection cylinders and opening at its discharge end through said formed end of said nozzle.

15. In an injection molding system of the type in which injection material in fluid condition is delivered into a mold through a nozzle that is separable from the mold between molding operations, which comprises injecting the molding material in fluid condition through said nozzle by a hydraulic ram, advancing said ram by a fluid stream effective against a minor area of said ram to give rapid advance of the ram at relatively low pressure, and then at a predetermined position in said advance, after the mold is nearly but not entirely filled, increasing the effective area acted upon by said stream to give slower advance of said ram at a higher possible pressure, to complete the advance of said ram.

2,418,857
PROCESS OF PERFORMING CATALYTIC VAPOR PHASE REACTIONS

Charles W. Stratford, Joe A. Altshuler, and David H. Putney, Kansas City, Mo., assignors to Stratford Development Corporation, Kansas City, Mo., a corporation of Delaware

Application November 10, 1943, Serial No. 509,702
2 Claims. (Cl. 196—52)

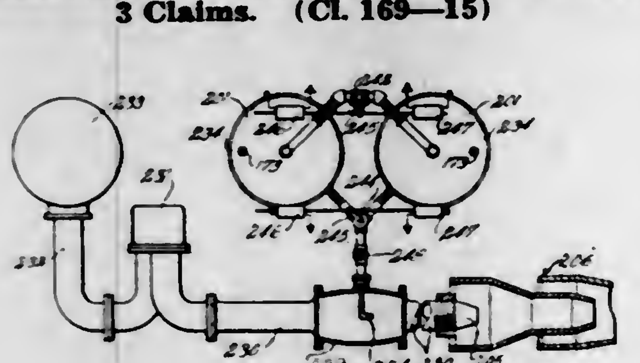


1. A process of reacting gaseous materials in the presence of a solid catalyst wherein a cyclic flow of the reactants and catalyst is maintained in the reaction step, said cyclic flow including upflowing and downflowing columns having a common axis, the improvement which resides in imparting mechanical rotative energy in the upper portion of the upflowing column whereby lineal flow of the reactants and catalyst is accelerated in the separate columns.

2,418,858
APPARATUS FOR MAKING CELLULAR MASSES

Radcliffe Morris Urquhart, Montgomeryville, Pa.

Application March 18, 1943, Serial No. 479,629
3 Claims. (Cl. 169—15)

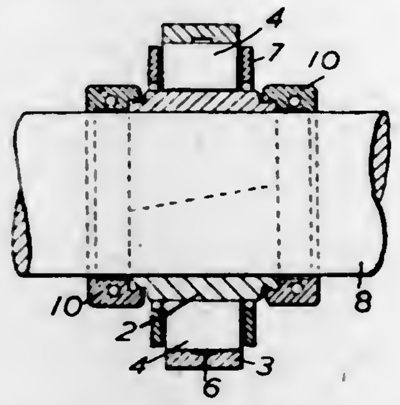


1. Apparatus for continuously producing a foam forming liquid capable of producing foam by entraining a gas into a stream of said liquid comprising a mixing chamber, a conduit for delivering a stream of water under pressure through said chamber, a pair of tanks adapted to hold a supply of foam stabilizer, a multi-branch conduit connecting said tanks to said chamber, a multi-port valve in said conduit for controlling the flow of stabilizer to said chamber so that foam stabilizer may be supplied to said chamber alternately from said tanks, means for automatically operating said valve to alternately connect said tanks to said chamber to effect a continuous supply of stabilizer in accordance with the available supply of stabilizer in said tanks and means in said chamber for introducing a predetermined proportion of stabilizer into said stream of water.

2,418,859
ROLLER BEARING

Charles Antony Ablett, King's Lynn, England

Application November 14, 1945, Serial No. 628,597
In Great Britain November 13, 1944
4 Claims. (Cl. 308—213)

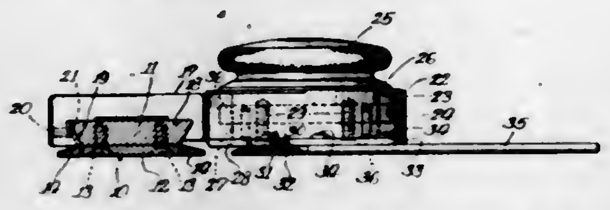


1. A roller bearing having co-axial inner and outer races and a series of rollers interposed therebetween, the effective bearing surface of the outer race being less than the effective bearing surface of the inner race to an extent such that the force momentarily transmitted per unit of area of effective bearing under load, parallel to said rollers, between the outer race and one of said rollers is greater than the force simultaneously transmitted per unit of area of bearing between the inner race and said roller.

2,418,860
DRAFTING INSTRUMENT

Gail C. Abruzzi and Marie T. Abruzzi, Chicago, Ill.

Application March 5, 1945, Serial No. 580,976
3 Claims. (Cl. 33—80)

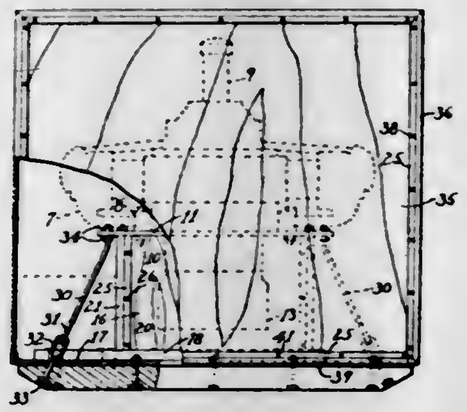


1. A drafting instrument comprising a straight edge bar, a longitudinally extending member of dove-tail cross section secured to said bar, a base member having a dove-tail recess complementary to and slidable on said member, a friction plate carried by said base member and engageable with the dove-tail edge of said longitudinal extending member, and means extending through said base member and engageable with said plate for varying the friction thereon and for retaining said plate in position.

2,418,861
ENGINE SHIPPING CASE

George H. Allington, Rockford, Ill., assignor, by mesne assignments, to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware

Application October 1, 1943, Serial No. 504,573
17 Claims. (Cl. 206—46)

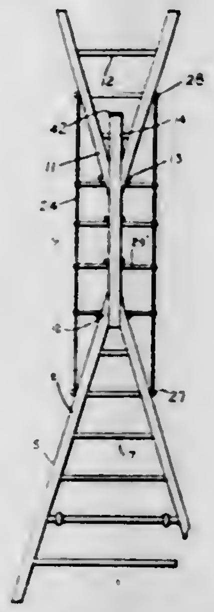


17. In an engine shipping case, comprising a base and a case-cover detachably securable to the base to enclose an engine supported on the base, engine supporting means comprising a mounting plate of smaller dimensions than the base disposed substantially centrally and in parallel relation to the base having an opening provided therein for projection therethrough of a portion of an engine, means on said mounting plate for attachment thereto of an engine, a housing of smaller dimensions than the base supporting said mounting plate in spaced relation to the base and adapted to enclose the projected portion of an engine mounted on said plate, means securing the housing in rigid relationship to the base including a framework substantially enclosing the lower portion of said housing rigidly secured to the base and preventing lateral displacement of the housing with respect to the base, and cross pieces secured to the underside of said base.

2,418,862
CONVERTIBLE LADDER

James S. Anderson, Vancouver, British Columbia, Canada

Application February 13, 1945, Serial No. 577,612
2 Claims. (Cl. 228—2)

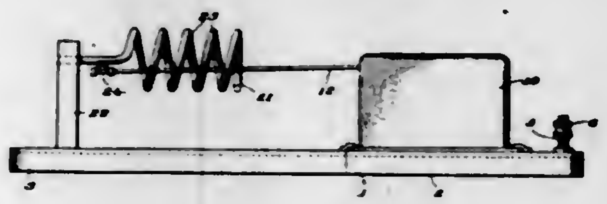


1. A convertible ladder comprising a pair of ladder sections, one of said sections being of lesser length than the other section, each section including side rails converging toward one end, a pole member pivotally connected to the narrow end of the longer one of said sections, said pole member being pivotally connected to the narrow end of the shorter section, means for rigidly fastening said pole member and said shorter section in longitudinal alignment with each other and from relative pivotal movement in such alignment, a detachable brace for connecting said sections in an upstanding relative position with the sections flaring apart in a downward direction and with the pole member in the said longitudinal alignment with the shorter section and pivotally attached to the narrow end of the longer section, said ladder being reconvertible into a straight ladder by removing the detachable brace and swinging the rigidly connected shorter ladder section and the pole member at the pivotal connection between the pole member and the longer ladder section so that the longer and shorter ladder sections and the intermediate pole member are in longitudinal alignment with each other, the intermediate pole member and the adjacent end portions of the two ladder sections being provided with rung extensions at opposite sides thereof, and rail members secured intermediate their ends to the rung extensions of the ladder sections and of said intermediate pole member, the opposite ends of said rail members being secured to the opposite sides of the ladder sections.

2,418,863
ALTERNATING CURRENT ELECTRIC BELL

Frank G. Barber, Luzerne, Pa.

Application March 23, 1945, Serial No. 584,329
1 Claim. (Cl. 177—7)



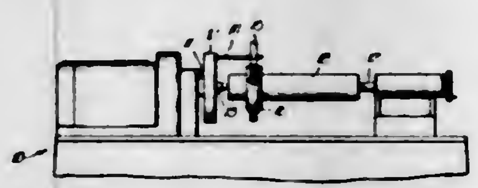
An alternating current audible signal, comprising a base having contact posts at its end, a magnet and core on the base, an elongated spring metal armature extending over the magnet and core, a bracket having a base, a standard extending upwardly therefrom and formed integrally with said base, and a top piece extending forwardly of said standard in parallel relation to said base, said base being secured to said first said base and said top piece provided with ears for clamping engagement with and for supporting the end of the armature, a casing on the magnet and core, an audible signal comprising a spirally wound chime with the armature extending through the convolutions thereof, a bracket for supporting the signal on the first said base externally of the casing, a clapper formed of ribbed sheet metal having clamping ears at its end to engage the armature at the free end thereof in a position to engage the audible signal, and the armature bridging over the core and magnet, is adapted to bow between its ends under the influence of an electrical impulse through the contact posts on said base.

2,418,864
LATHE DOG

Richard W. Barggren, Niles, Ill., assignor to Dan L. Klein, Grand Rapids, Mich.

Application December 4, 1944, Serial No. 566,433
1 Claim. (Cl. 82—42)

A lathe dog comprising a casing, said casing being provided with a recess and a slot, a jaw receivable within said recess, a cam rotatably mounted in said slot, a closure plate attachable to said base for maintaining said jaw and said cam in their operative positions within said base, said base and said closure being provided with alined bores for receiving therewithin the work to be clamped therewithin by said jaw and said cam for rigidly locking the same to said base and said closure plate, means for shifting said jaw within said recess in contact with said work and for rigidly locking the same in engagement with said work, and means for frictionally engaging said jaw with said base during the shifting movement of said jaw on operation of said first named means, said last named means including a bore made in said closure plate and partially in the path of the edge of said jaw and a screw in threaded engagement with said base, the head of the screw being seated within said last named bore for frictionally engaging the edge of said jaw.



2,418,865
PROCESS FOR PREPARING PECTINATES

Edwin F. Bryant, Corona, Calif., assignor to California Fruit Growers Exchange, Los Angeles, Calif., a corporation of California

No Drawing. Application April 12, 1943, Serial No. 482,827
4 Claims. (Cl. 260—209.5)

2. A process for the preparation of pectinates comprising suspending pectin having a methoxyl content of from 8 to 11% in a liquid medium incapable of hydrating the pectin to any substantial degree but capable of dissolving an effective amount of an alkalizing reagent, adding to the suspension of pectin an alkalizing reagent in an amount sufficient to partially demethoxylate the pectin to form a water soluble pectinate, adding a water soluble, alcohol soluble alkaline earth salt to the suspension of pectinate in an amount sufficient to form a water insoluble pectinate, and separating the so formed pectinate from the liquid medium.

2,418,866
PROCESS FOR PREPARING PECTINATES

Edwin F. Bryant, Corona, Calif., assignor to California Fruit Growers Exchange, Los Angeles, Calif., a corporation of California

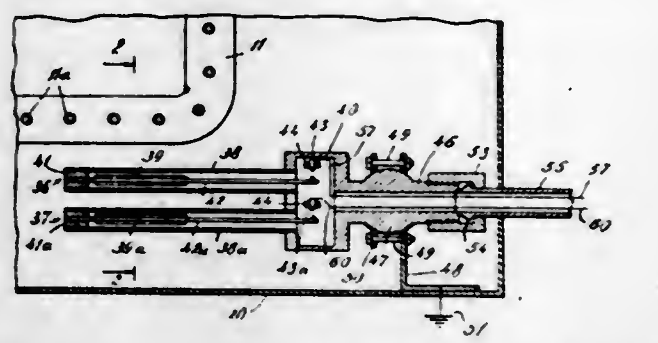
No Drawing. Original application April 12, 1943, Serial No. 482,827. Divided and this application September 4, 1945, Serial No. 614,427
4 Claims. (Cl. 260—209.5)

1. A process for the preparation of an alkaline earth pectinate comprising suspending pectin having a methoxyl content below about 8% —OCH_3 in a liquid medium incapable of hydrating the pectin to any substantial degree but capable of dissolving an effective amount of an alkaline earth salt, adding to the suspension a water soluble, alcohol soluble alkaline earth salt in an amount sufficient to form a corresponding water insoluble pectinate, and separating said pectinate from the liquid medium.

2,418,867
HEAT RESPONSIVE DEVICE HAVING SEPARATE MINIMUM FLAME AND NORMAL FLAME RESPONSIVE ELEMENTS

Lyndon W. Burch, Pelham, N. Y., assignor to The Wilcolator Company, Newark, N. J., a corporation of Delaware

Original application September 25, 1940, Serial No. 358,224. Divided and this application March 15, 1944, Serial No. 526,523
13 Claims. (Cl. 126—39)

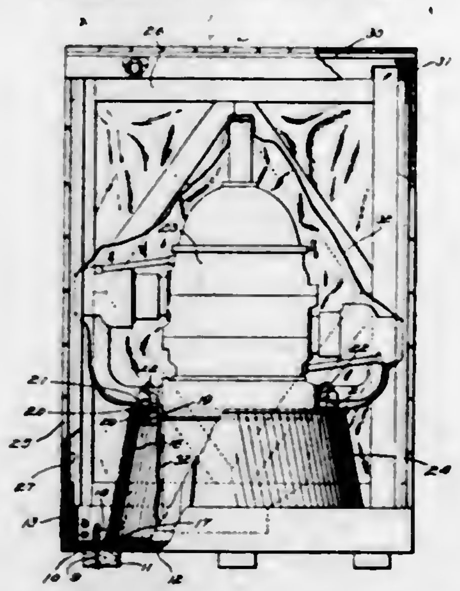


3. In a heat responsive apparatus for a burner, two elongated metal members each having a substantial section intermediate its ends slotted through to provide two substantially parallel segments opposite each other, means for mounting one end of each of said members near the burner with one of the segments of each member shielding the other segment thereof from direct heat radiation from the burner, whereby flexure of the member will result from a difference in temperature between the two segments thereof, one of said members being mounted with respect to said burner so that it is responsive to a minimum and to a normal flame thereon, the other of said members being mounted with respect to said burner so that it is responsive to a normal flame but not responsive to a minimum flame thereon, and means for utilizing the flexure of each of said members to operate a control device.

2,418,868
ENGINE SHIPPING CASE

Gilmoure N. Cole and Fred H. Hopper, Manchester, Conn., assignors to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware

Application April 26, 1944, Serial No. 532,700
3 Claims. (Cl. 206—46)



1. In an engine shipping case having a base and a cover therefor, a hollow frame for supporting an engine on the base independently of the cover, attaching means for securing an engine to one end of said frame with a portion of

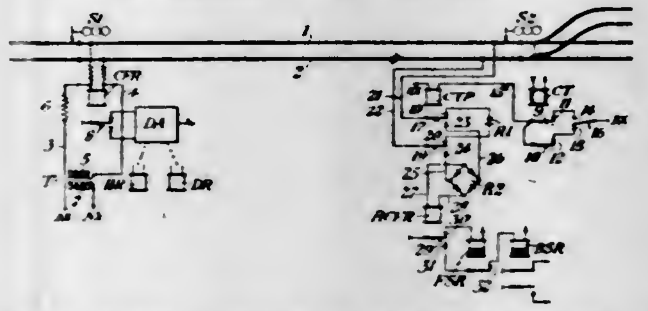
the engine projected within said frame, and attaching means including a framework carried by said frame substantially enclosing the lower portion of said frame adapted to be rigidly secured to said base for attaching the other end of said frame to said base and for preventing displacement of said frame with respect to said base, said frame and attaching means being removable with the engine as a unitary assembly for storage or shipment separately from the base and cover.

2,418,869

CODED TRACK CIRCUIT SIGNALLING SYSTEM FOR RAILWAYS AND THE LIKE

James Perrin Coley, London, England, assignor, by mesne assignments, to The Union Switch and Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application June 27, 1944, Serial No. 542,338
In Great Britain November 5, 1942
3 Claims. (Cl. 246—34)



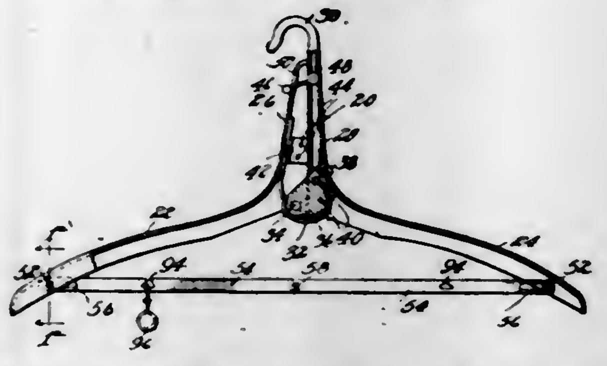
1. In a track circuit for a track section, the combination comprising, a source of alternating current and a direct current code following relay connected in multiple across the rails at one end of said section, a rectifier, an alternating current code following relay means, and a coding device operable to alternately connect said rectifier and said alternating current code following relay means across the rails at the other end of the section to cperate both said direct current code following relay and said alternating current code following relay means at the code rate predetermined by the rate of operation of said coding device.

2,418,870

FOLDING GARMENT HANGER

Fredrick A. Crowder, Miami, Fla.

Application April 26, 1946, Serial No. 665,125
3 Claims. (Cl. 223—89)



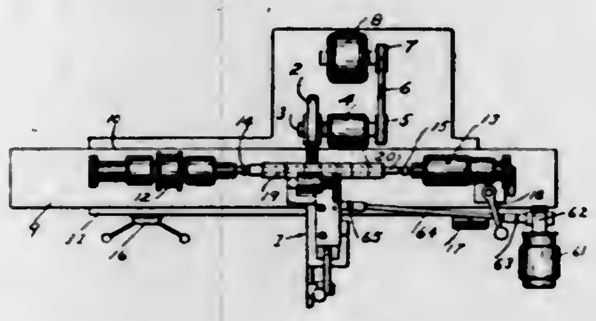
1. A device of the character described, comprising a pair of pivoted arms, one of said arms being provided with a neck portion and the other of said arms being provided with a hook portion means on said hook portion adapted to enter said neck portion whereby said arms are pivotally connected together, spring means secured to said hock portion at one end and engaging the neck portion at the other end for forcing said arms into folded engagement with each other and means for retaining said arms in extended position.

2,418,871

APPARATUS FOR GRINDING BUSHINGS

Paul F. Danielson, Los Angeles, Calif.

Application September 17, 1945, Serial No. 616,705
8 Claims. (Cl. 51—103)



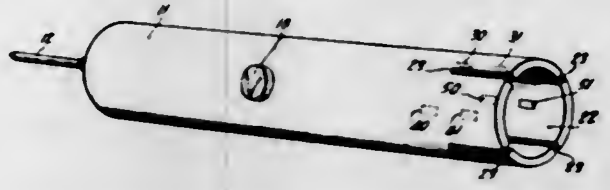
6. In a device of the character disclosed, a pair of friction rollers for contact with work, means for simultaneously turning said rollers, one of said rollers being of lesser diameter than the other thereof, to thereby effect constant rotation of the work.

2,418,872

DUPLEX INDICATING TEST PROD

Theodore R. Fisher, Brandon, Fla.

Application February 6, 1945, Serial No. 576,454
5 Claims. (Cl. 200—51.06)



1. The device of the character described comprising in combination, a tubular member made of insulating material, a double throw switch mounted within the handle, a push button extending through the wall of the handle to operate the switch, a prod point mounted in one end of the tubular member, a slip socket on the opposite end of the tubular member provided with three pairs of contacts spaced around the handle 90° apart, four slots in the socket, a plug adapted to be received within the socket having a projection adapted to engage one of the four slots in the socket to position the plug, said plug carrying three jumper contacts and one pair of contacts whereby the pair of contacts on the plug may contact with any one of three pairs of contacts within the socket while the jumper contacts connect the other pairs in the circuit, electrical connections between the prod point, switch and contacts.

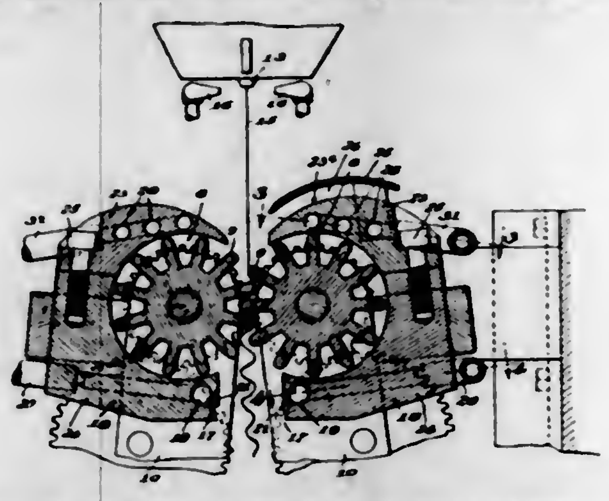
2,418,873

APPARATUS FOR ATTENUATING THERMOPLASTIC MATERIALS

Ed Fletcher, Newark, Ohio, and Henry Snow, Lonsdale, R. I., assignors to Owens-Corning Fiberglas Corporation, a corporation of Delaware

Application March 14, 1942, Serial No. 434,668
10 Claims. (Cl. 49—17)

4. An apparatus for producing thermoplastic fibers comprising a pair of coacting rotors to engage a stream of molten material and attenuate the stream to a fiber, said rotors being movable toward and from each other to permit engagement and disengagement of said stream, a shield partially surrounding each rotor and movable therewith, and a blower in each shield adapted to act on the fiber issuing from between the rotors when the rotors are in engagement with said stream.

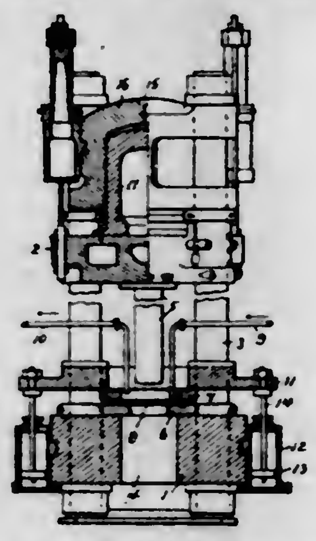


2,418,874

APPARATUS FOR DRAWING FLAT METAL BLANKS INTO SHELLS

Hartwell H. Gary, Jr., Norfolk, Va.

Application June 13, 1944, Serial No. 540,110
1 Claim. (Cl. 113—46)



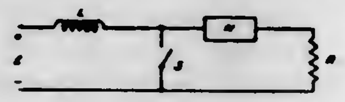
In apparatus for forming elongated shell: a stationary platen having a passage; a movable platen; a punch carried by the movable platen; means for lowering and raising the movable platen toward and from the stationary platen; a die on the stationary platen to receive a flat hot blank thereon; a blank holder over the die and having a passage for the punch; said blank holder having a central opening constituting a chamber whose bottom is constituted by the blank and through which the punch passes; and means for admitting a coolant to and withdrawing the same from said chamber for purposes described.

2,418,875

NONLINEAR CHARGING SYSTEM FOR NETWORKS

Harold Goldberg, Baltimore, Md., and Edward F. De Mers, Rochester, N. Y., assignors to Stromberg-Carlson Company, Rochester, N. Y., a corporation of New York

Application June 29, 1945, Serial No. 602,257
2 Claims. (Cl. 171—97)



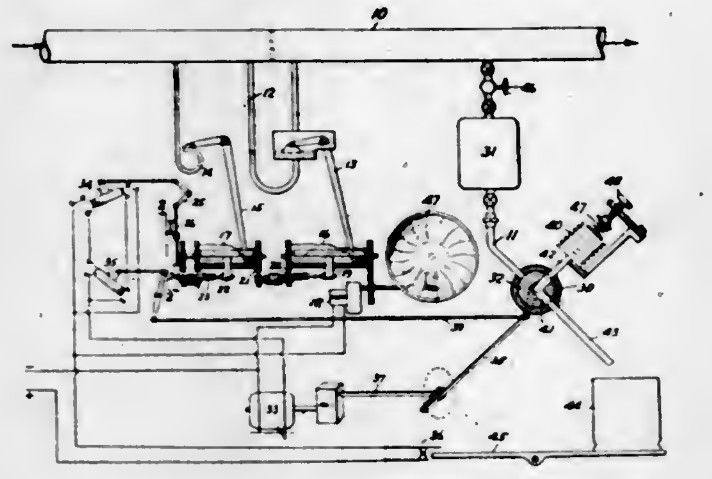
1. In an arrangement for delivering electrical pulses, a network which acts essentially as a capacitance at a given frequency of the discharge thereof, a voltage source, a circuit including a non-linear inductance device through which said network is charged from said source, said device comprising a coil wound on a ferromagnetic core, the relation between flux density and the magnetic intensity applied to the ferromagnetic core deviating from a linear proportionality by a substantial correction factor, a load unit, and means for discharging said network into said load unit.

2,418,876

APPARATUS FOR COLLECTING FLUID SAMPLES

Edward J. Grace, Jr., Swarthmore, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey

Application October 6, 1944, Serial No. 557,497
5 Claims. (Cl. 73—422)



1. Apparatus for obtaining an average sample from a stream of fluid flowing through a conduit which comprises a branch line in communication with the conduit, a collecting vessel in said branch line containing a displacement liquid, valve means for removing the displacement liquid from said vessel to permit the sample fluid to be collected therein, a measuring vessel for receiving predetermined volumes of liquid from said collecting vessel, a flow meter operated in accordance with the volume of fluid passed through said conduit, switch means controlled by said flow meter for actuating said valve to transmit a predetermined volume of displacement liquid to the measuring vessel, said flow meter being operative to discharge each volume of liquid from the measuring vessel to a reservoir, and means operative when the reservoir has received the volume of liquid originally in the collecting vessel for stopping the sample collecting operation.

2,418,877

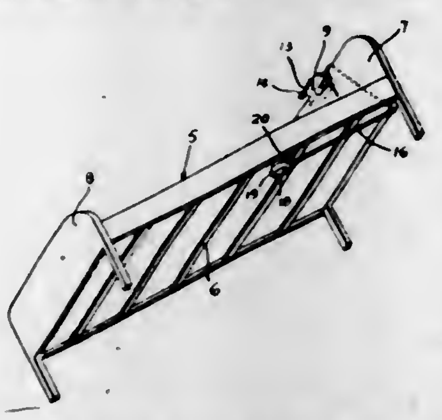
BED LAMP

Leslie C. Gustafson, Pontiac, Mich.

Application September 11, 1945, Serial No. 615,531
1 Claim. (Cl. 240—4)

In a combination bed illuminating lamp, the combination, which comprises a combined shield and reflector hood with an open under surface, a light bulb positioned in said hood, a key-actuated switch on said light bulb, arcuate clips extending from said hood by which the hood and light bulb are suspended from an end of a bed, a pull chain-actuated switch positioned on a side of said light bulb, an extension cord extending from said pull chain-actuated switch, an auxiliary light bulb on the end of said extension cord positioned under

a spring of the bed, a spring clip on said auxiliary light bulb for supporting the bulb from the spring,

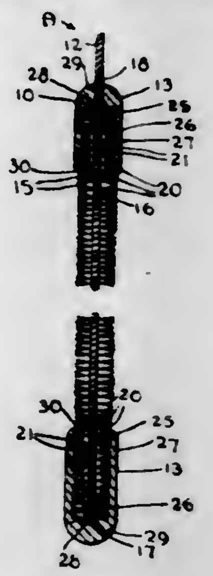


and a current supply cord extending to the light bulb in said combined shield and reflector hood.

2,418,878

MEANS FOR DIFFUSING REPELLENTS

Robert H. Harkins, Mount Vernon, N. Y.
Application October 27, 1943, Serial No. 507,908
4 Claims. (Cl. 299—24)



1. In a receptacle for a volatile liquid adapted to be diffused into the atmosphere, an elongated body portion, liquid-supporting material secured to and extending along said body portion, comprising a plurality of substantially conical-shaped tufts with their apices inwardly, means for supporting said body portion at one end thereof, and a guard member at the other end of said body portion, surrounding the tufts adjacent thereto, said guard member having a side wall, arcuate in horizontal cross section, with the inner face of said side wall spaced from said body portion and the outer portions of said tufts imbedded in said guard member, whereby a pocket is formed at said other end.

2,418,879

PYROLYSIS OF HYDROCARBONS TO PRODUCE OLEFINES

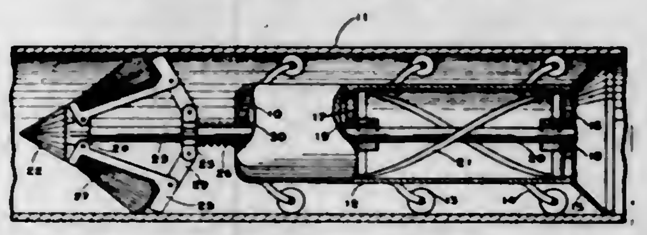
John H. Haslam, Louisville, Ky., assignor to The Girdler Corporation, Louisville, Ky., a corporation of Delaware
No Drawing. Application February 29, 1944, Serial No. 524,464
12 Claims. (Cl. 260—680)

7. The process of producing an olefine by the pyrolysis of a hydrocarbon in the presence of a catalyst composed essentially of an alkaline earth oxide, which includes preheating said catalyst for a period of at least one hour at a temperature above that at which pyrolysis is to be effected but not substantially above 1300° C., then holding the catalyst for a period of at least four hours at a temperature of at least 100° C. but below that at which pyrolysis is to be effected, and directly thereafter heating the catalyst to a temperature at which pyrolysis is to be effected and passing the hydrocarbon over the catalyst.

2,418,880

DEVICE FOR CLEANING PIPE LINES

Cecil J. Haynes and Saint Elmo Swain, Houston, Tex., assignors to Standard Oil Development Company, a corporation of Delaware
Application January 25, 1944, Serial No. 519,695
2 Claims. (Cl. 15—104.06)



1. In a pipe cleaning device a body defining a conduit adapted for longitudinal movement through a pipe, a vane mounted on said body arranged in such position as to be rotated by the flow of fluid through the conduit, a scraper element rotatably carried by said body adapted for rotation in the pipe and so positioned as to clean the wall thereof, a variable speed gear mechanism arranged to connect the vane to the scraper element and having means operable under variations in the load applied to the scraper element to vary the ratio at which the vane is geared to said scraper element in such manner as to raise the torque applied to said scraper element when said load increases.

2,418,881

SINTERED ALUMINUM BEARING

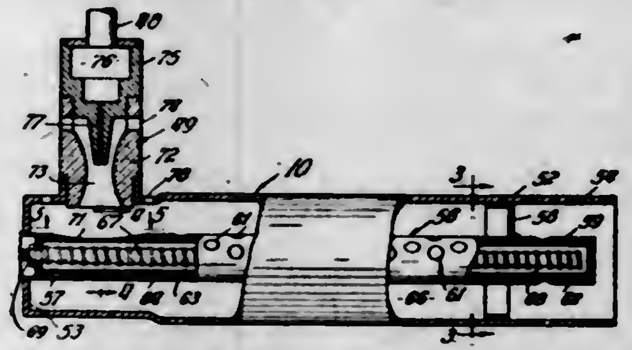
Franz R. Hensel and Earl I. Larsen, Indianapolis, Ind., assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
No Drawing. Application June 10, 1944, Serial No. 539,794
12 Claims. (Cl. 308—242)

1. A bearing formed of an alloy composed of 0.5 to 45% thallium by volume and the balance substantially all aluminum, said bearing being characterized by low coefficient of friction and good resistance to corrosion.

2,418,882

FUEL CONDITIONING MEANS

Harry B. Holthouse, Chicago, Ill., assignor to Galvin Manufacturing Corporation, Chicago, Ill., a corporation of Illinois
Application June 15, 1942, Serial No. 447,054
8 Claims. (Cl. 48—103)

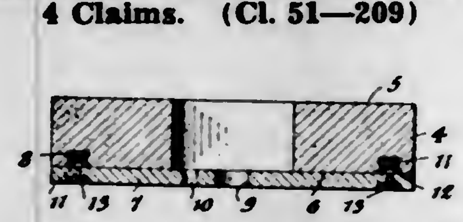


1. In fuel conditioning means which includes an elongated housing member having an open end and a substantially closed opposite end; combination heating and fuel carrying means horizontally supported within said housing member and substantially coextensive in length therewith including an outer casing member having openings in a top portion thereof, an inner casing member within said outer casing member and in a spaced relation therewith, an electrical heating element hermetically sealed within said inner casing member, means mounted at said opposite end of said housing member for delivering fuel between said inner and outer casing members, and means for supplying air within said housing member at said opposite end for passage therethrough and about said combination means, with the heat from said electrical element acting on said fuel and air and vaporizing said fuel for mixing together with said air, with the length of said housing member being such that substantially all of said fuel is in a vaporous form and substantially uniformly distributed throughout the vaporous mixture prior to the passage of said mixture through the open end of said housing member.

2,418,883

ANCHORING MEANS FOR ABRASIVE DISKS

Roger H. Homeyer, Tonawanda, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
Application April 6, 1945, Serial No. 586,929
4 Claims. (Cl. 51—209)

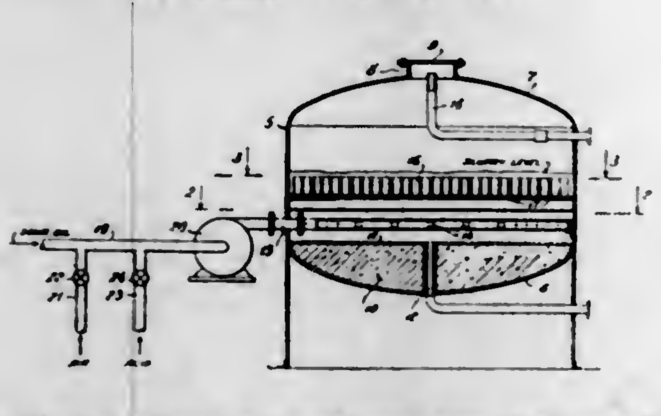


1. An abrasive article comprising a bonded abrasive body having a grinding surface and a substantially flat mounting face, said bonded abrasive body having embedded therein and substantially flush with said mounting face a plurality of anchoring means, each of said anchoring means comprising a metallic insert and a nonmetallic washer, the latter being disposed between the metallic insert and the surface of said mounting face and substantially flush with the latter surface.

2,418,884

PROCESS FOR PURIFYING HYDROCARBON OILS

Charles O. Hoover, Houston, Tex., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application May 15, 1945, Serial No. 593,781
12 Claims. (Cl. 196—29)

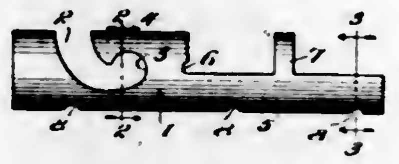


1. The method of treating sour hydrocarbon oil which comprises passing the oil in the presence of an added oxidizing agent and an added mineral acid successively through a turbulent zone and a superposed quiescent zone, each consisting of a slurry of solid particles comprising a mixture of an adsorbent material and a copper compound suspended in the hydrocarbon oil.

2,418,885

ROPE FASTENER DEVICE

George J. Houston, Scranton, Pa.
Application June 14, 1945, Serial No. 599,466
9 Claims. (Cl. 24—129)

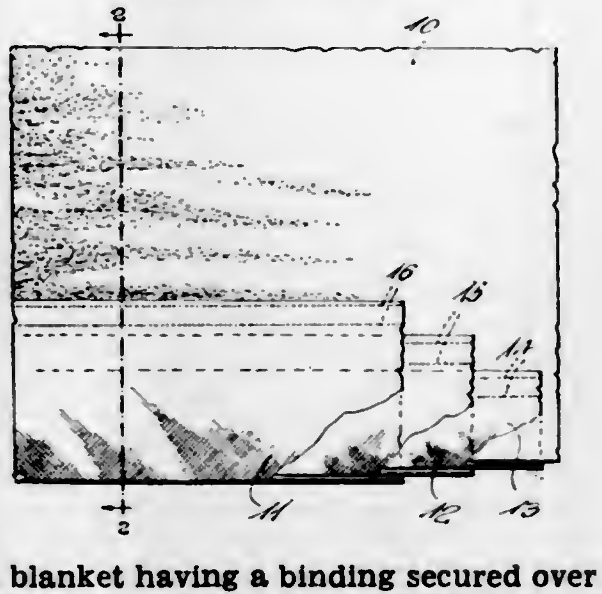


1. A rope clamp, comprising a cylindrical body formed with a curved slot extending through a greater part of the diameter of the body and having an upwardly curved or hooked end, a semicircular extension on the body, and a hooked keeper on the extension, the end of the body being notched on both sides at the extension to receive the end of a rope trained through the body, turned down and back under the extension and body and looped through the curved slot over the rope and down, under and over the side of the extension and through the hooked keeper.

2,418,886

BLANKET BINDING

Dwight M. Irwin, Charlotte, N. C.
Application December 3, 1945, Serial No. 632,349
2 Claims. (Cl. 2—274)



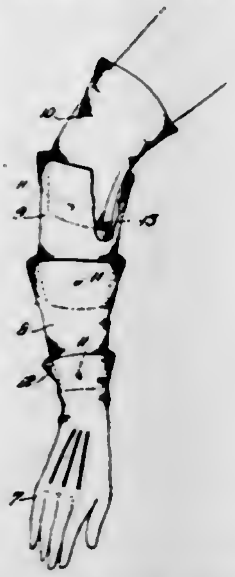
2. A blanket having a binding secured over one edge of said blanket by lock stitching, a second binding over said first binding and secured to said blanket by lock stitching separate from the first stitching, and a third binding over the first and second bindings and attached to the blanket by lock stitching separate from the first and second stitchings, each of said bindings being of increasing width.

2,418,887

CONVERTIBLE GLOVE

Wanna Jones, Montvale, N. J.
Application February 9, 1944, Serial No. 521,721
1 Claim. (Cl. 2—162)

The herein disclosed convertible glove comprising a hand covering having an open flaring cuff, a downwardly tapering wrist covering section having its smaller end entered within the flaring cuff portion of the hand covering, a downwardly tapering elbow covering section having its smaller end entered in the larger end of the wrist covering section and a downwardly tapering upper arm covering section having its smaller end entered in the larger end of the elbow covering section, said hand covering and arm covering sections being cooperatively related in a costuming sense and being independently separately removable, replaceable and interchangeable to enable conversion and variation in costuming effects.



2,418,888
DEHYDROGENATION CATALYSTS
Kenneth K. Kearby, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Original application August 26, 1942, Serial No. 456,266. Divided and this application March 13, 1943, Serial No. 479,143
5 Claims. (Cl. 252—231.5)

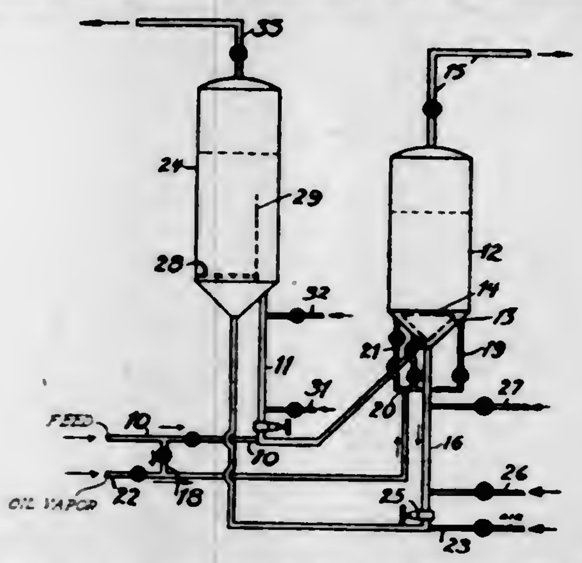
2. A dehydrogenation catalyst consisting essentially of about 50–97 parts by weight of ZnO, about 3–50 parts by weight of a metal oxide selected from the group consisting of Fe_2O_3, MnO and Cr_2O_3, about 0.5 to 15 parts by weight of an alkali metal oxide promoter and about 1–15 parts by weight of a stabilizer preserving the activity of the promoter and selected from the group consisting of oxides of metals of the right hand side of group I of the periodic system.

2,418,889
DEHYDROGENATION CATALYST
Kenneth K. Kearby, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application March 13, 1943, Serial No. 479,144
1 Claim. (Cl. 252—231.5)

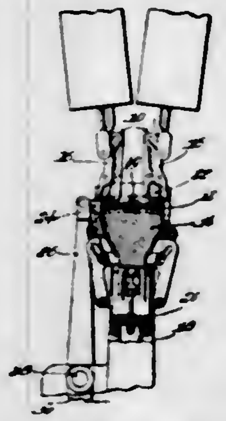
An improved dehydrogenation catalyst consisting essentially of 50 to 97 parts by weight of beryllium oxide, 3 to 50 parts by weight of iron oxide, and 0.5 to 15 parts by weight of potassium oxide.

2,418,890
STRIPPING OF SPENT CATALYST PARTICLES IN THE CATALYTIC CONVERSION OF HYDROCARBONS
Robert W. Krebs, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
Application August 13, 1943. Serial No. 498,478
4 Claims. (Cl. 196—52)

1. A process for the conversion of hydrocarbon oils wherein the oil to be converted is passed upwardly in vapor form through a reaction zone containing a layer of finely divided conversion catalyst at a velocity controlled to maintain said layer in a dense turbulent condition and wherein a stream of catalyst is continuously introduced and removed from said conversion zone; the improvement in the method of removing entrained vaporous reaction products from the catalyst removed from the zone which comprises downwardly withdrawing a stream of catalyst from said layer into a stripping zone, contacting the catalyst within said stripping zone with a stream of hydrocarbon vapors having a boiling point not lower than the boiling point of the feed to thereby replace valuable reaction products from the catalyst.

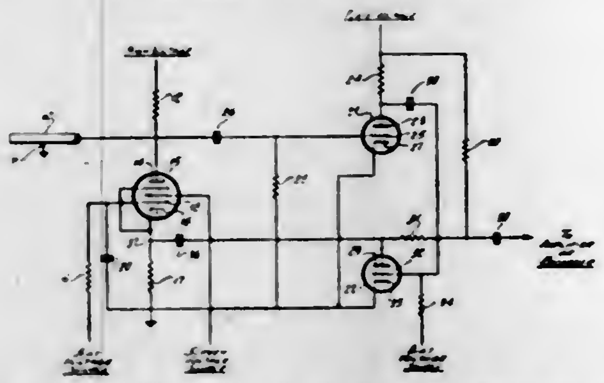


2,418,891
MACHINE FOR OPERATING UPON SHOES
Robert H. Lawson, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application February 25, 1946, Serial No. 649,789
4 Claims. (Cl. 12—4)



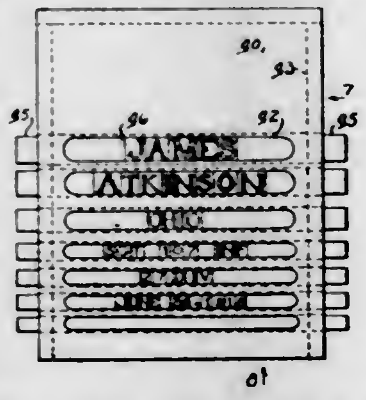
1. A machine for use in the manufacture of shoes, having devices for performing an operation progressively along opposite marginal portions of a shoe bottom, a jack frame, shoe supporting means pivotally mounted in said frame for rocking movement about an axis extending lengthwise of the shoe, mechanism actuated during operation of the operating devices to change the position of the shoe supporting means relatively to its pivotal mounting on the jack frame, connections in the machine for actuating the position changing mechanism to cause the operating devices to act effectively on a right shoe, and manual means operable on said connections for causing the actuating devices to act effectively on a left shoe, in combination with means for adjusting the position changing mechanism to enable the range of movement imparted by said mechanism during operation on a right shoe to be shifted independently of the range of movement imparted by said mechanism in operating upon a left shoe.

2,418,892
RADIATION DETECTOR QUENCHING CIRCUIT
Arthur H. Lord, Jr., Houston, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application April 24, 1945, Serial No. 589,975
3 Claims. (Cl. 250—83.6)



1. In combination, a radiation detector of the counter type having its cathode grounded, a high vacuum electronic tube having its plate connected to the anode of said detector and having its cathode grounded through a cathode resistor, said tube serving as a quenching tube for said counter, amplifying means connected to receive and amplify pulses resulting from discharges within said detector, and means coupling the amplifying means to the cathode of said quench tube to transmit negative pulses thereto, whereby on a discharge in said detector, the flow of current through said quench tube is increased and rapid quenching of the detector is effected.

2,418,893
SAND-BLAST SHIELD
Patrick F. McCormack, West Rutland, Vt.
Application April 8, 1944, Serial No. 530,226
1 Claim. (Cl. 101—128)

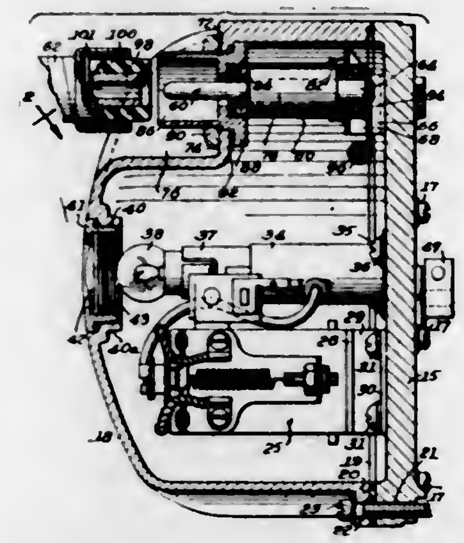


A sand blast shield comprising a unitary frame having parallel unobstructed transverse guideways in its rear face for letter and figure stencils and for filler pieces and having a sand blast opening through said frame associated with each guideway, said guideways being entirely open and unobstructed at both ends, side bars secured to the rear face of said frame at the side edges thereof and bridging said guideways, clamping screws mounted in said side bars and behind said frame and effective to engage the rear faces of said filler pieces and to force them forward against the body of said frame to position a line of stencils in a selected transverse centered position, and clamping means effective to secure said frame against the face of a stone.

2,418,894
COMPOUNDED LUBRICATING OIL
John G. McNab, Cranford, and Dilworth T. Rogers, Summit, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 9, 1944, Serial No. 567,518
19 Claims. (Cl. 252—33)

1. A compounded lubricant comprising a mineral lubricating oil base and at least a corrosion-inhibiting amount of a reaction product of about 0.02 to about 3 atomic proportions of elemental sulfur with one molecular proportion of a metal salt of a sulfonic acid.

2,418,895
GENERATOR CONTROL DEVICE HOUSING
Leslie H. Middleton, Lucas, Ohio
Application September 14, 1944, Serial No. 554,169
8 Claims. (Cl. 171—252)

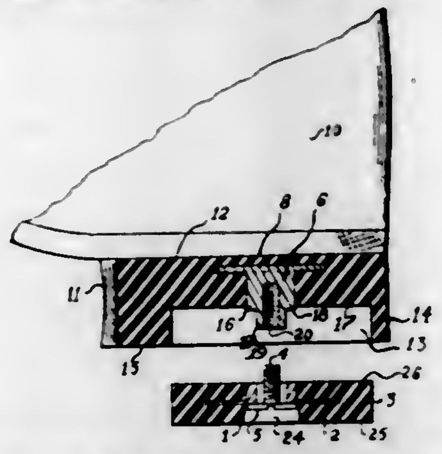


1. In a device of the class described, a base plate of non-magnetic metal, a reverse-current circuit breaker, a voltage regulator and a current regulator resiliently mounted on said plate on one side thereof, each having an armature arranged to move in a plane in parallel relation with said plate, a signaling bulb mounted on same side of said plate under control of the circuit breaker, an output terminal mounted on said base plate extending normally thereto on the same side of said plate as the bulb, a pair of input terminals extending through said base plate and projecting therefrom on the side opposite of said output terminal, and a removable cover of non-magnetic metal adapted to be attached to said base plate having apertures to cooperate with said bulb and said output terminal to cover the circuit breaker, voltage regulator and current regulator.

2,418,896
RUBBER HEEL
Albert Monti, Medford, Mass.
Application April 28, 1945, Serial No. 590,759
2 Claims. (Cl. 36—39)

1. In combination with a shoe having a rubber heel, the face of which is circularly recessed at the back of the heel forming a thin back wall, a cylindrical rubber insert adapted to fit for free rotation in the recess of the heel and project slightly below the surface of the heel, said heel having molded therein concentric with the recess a fixed metallic stud having a circular shoulder and a terminating neck portion projecting beyond the base surface of the recess, said cylindrical

rubber insert positioned to bear on the base surface of said recess and having molded therein a bushing concentric with the insert and adapted to fit over said neck portion, the inner end of the bushing bearing against the face of said shoulder and a screw having a large head bearing against the exposed end of the bushing and threaded concentrically into said stud.



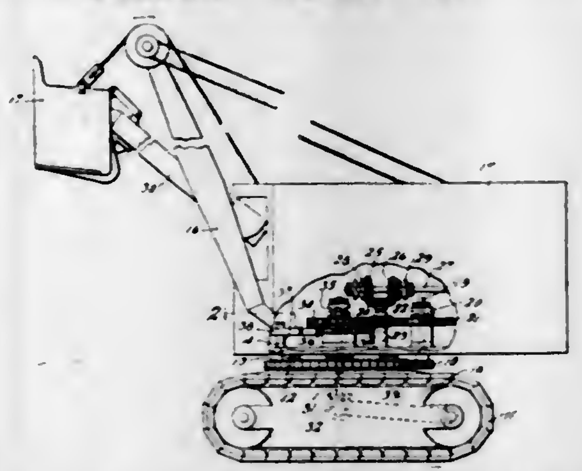
2,418,897

CREEPING MECHANISM FOR POWER SHOVELS

George G. Morin, South Hadley Falls, Mass.

Application October 11, 1945, Serial No. 621,733

4 Claims. (Cl. 214—132)



1. Creeping mechanism for self propelled power shovels and the like of the type having a base, traction means thereon, a shovel support rotatable around a vertical axis on the base, and a traction drive having a shaft extending along said axis, comprising a ratchet fixed to said shaft, one or more pawls carried by the shovel support, and means for pressing at least one of said pawls against the ratchet, whereby said traction mechanism will be operated during swinging movement of the shovel support in one direction.

2,418,898

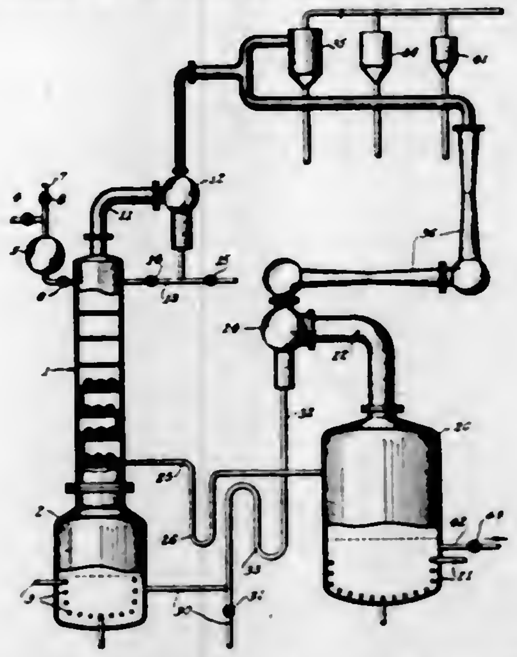
RECONSTITUTION OF GLYCERIDES

John Francis Murphy, Fitchburg, and Ernest K. Holt, Arlington, Mass., assignors to Lever Brothers Company, Cambridge, Mass., a corporation of Maine

Application November 18, 1941, Serial No. 419,648

15 Claims. (Cl. 260—410.7)

1. The method of reconstituting a glyceride and a lower alkyl ester of a different fatty acid than at least one in the glyceride, said ester being less readily distillable than the corresponding ester of a fatty acid in the glyceride, comprising subjecting a body of said glyceride in liquid form to vapors of said ester in a reaction zone to interchange the said fatty acid in said glyceride and the said fatty acid in the lower alkyl ester, and substantially simultaneously separating the reconstituted glyceride at one point in the reaction zone and the reconstituted lower alkyl ester at another point in the reaction zone.



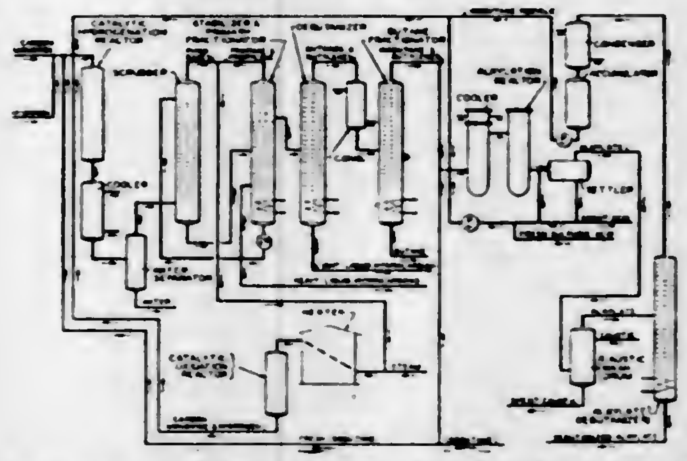
2,418,899

PROCESS FOR THE SYNTHESIS OF HYDROCARBONS

Ernest Frank Pevere, Beacon, George Bates Hatch, Fishkill, and Eugene Edward Sensel, Beacon, N. Y., assignors to The Texas Company, New York, N. Y., a corporation of Delaware

Application October 24, 1945, Serial No. 624,292

9 Claims. (Cl. 260—449.6)



1. In a catalytic process for synthesizing hydrocarbons by the hydrogenation of a carbon oxide, the method which comprises continuously passing to a reaction zone a reactant feed comprising carbon monoxide, hydrogen and isoparaffin hydrocarbon having from 4 to 6 carbon atoms per molecule, subjecting the reactant feed in the gas phase to contact with a hydrogenation catalyst comprising a metal of the eighth group of the periodic system, and a minor amount of a metal oxide having the essential promoting action of thorium and magnesium oxides, effecting contact between the reactants and the catalyst at a temperature in the range 325 to 550° F. and under a pressure ranging from atmospheric to about 15 atmospheres, continuously removing from the reaction zone a stream of reaction products comprising unreacted isoparaffin and synthesized hydrocarbons, separating unreacted isoparaffin from the reaction products, and recycling said separated isoparaffin to the reaction zone, the amount of isoparaffin entering the reaction zone being at least 5 mol per cent based on the carbon oxide in the reaction mixture.

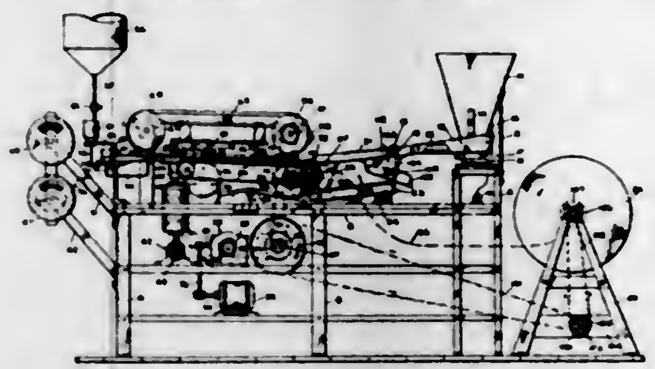
2,418,900

METHOD OF AND APPARATUS FOR MAKING CUPS

Rene P. Piperoux, Radburn, N. J., and Dimitri G. Soussloff, New York, N. Y., assignor to Celanese Corporation of America, a corporation of Delaware

Application May 19, 1943, Serial No. 487,596

19 Claims. (Cl. 93—36)



1. Process for making cups and similar articles, which comprises sealing one end of a tube by attaching thereto a strip of material having an area in excess of the area of said tube so that the end is completely closed, and removing the excess material.

10. Apparatus for attaching tubes to a strip of material, comprising means for supplying a strip of material, means for applying cement to said strip of material, means for feeding tubes to said strip of material with the base of each of said tubes in a horizontal plane, and means for applying cement to the periphery of said base.

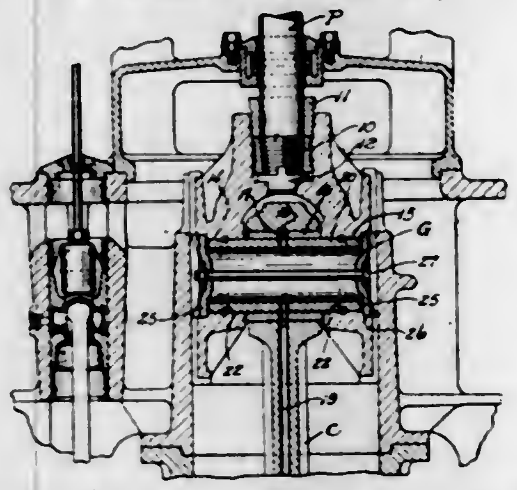
2,418,901

CROSSHEAD AND GUIDE STRUCTURE

Everett C. Read, Milwaukee, Wis., assignor to The Filer & Stowell Co., Milwaukee, Wis., a corporation of Wisconsin

Application April 1, 1943, Serial No. 481,437

3 Claims. (Cl. 184—6)



1. A device of the character described comprising a cross head having diametrically opposite bearings, a connecting rod having its upper end disposed within the confines of the cross head and provided with a bearing coaxial with the bearings of the cross head, a floating bushing fitted in the connecting rod bearing with clearance and provided with radial oil distributing passages, said connecting rod having a longitudinal oil supply passage terminating in an annular groove registering with the radial oil distributing passages of the floating bushing, the clearance between the bearing surface of the connecting rod and the outer peripheral surface of the floating bushing providing for lubrication of said surfaces, a floating wrist pin of tubular construction having its intermediate portion rotatably fitted in the floating bushing and having its ends projecting beyond the bushing and rotatably fitted in the cross head bearings, said floating wrist pin also having radial oil passages therein to provide for flow of oil to the clearance space between the outer surface of the intermediate portion of the wrist pin and the inner peripheral surface of the floating bushing and also to provide for the flow of oil to the interior of the floating wrist pin, and means coacting with the ends of the floating wrist pin with clearance and bearing against the cross head to close the outer ends of the cross head bearings and limit axial movement of the floating wrist pin, the clearance between the ends of the wrist pin and said means allowing seepage of oil from the interior of the floating wrist pin to the clearance between the outer periphery surfaces of these end portions of the floating wrist pin and the cross head bearings.

2,418,902

PROCESS FOR PRODUCING PANTOTHENIC ACID

Dilworth T. Rogers, Pearl River, N. Y., assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application March 19, 1941, Serial No. 384,226

5 Claims. (Cl. 260—534)

1. The process of producing pantothenic acid which comprises fusing β-alanine with α-hydroxy-β,β-dimethyl-γ-butyrolactone.

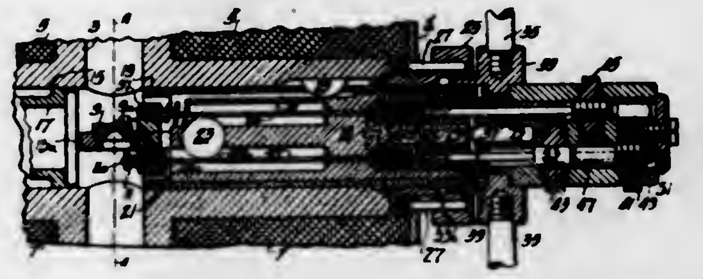
2,418,903

ELECTRON OPTICAL INSTRUMENT WITH ADJUSTABLE SPECIMEN SUPPORT

Frank E. Runge, Haddon Heights, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application August 31, 1943, Serial No. 500,620

7 Claims. (Cl. 250—49.5)



1. In an electron optical device having an electron axis, a flexible rod supported within said device and extending to the exterior thereof, said rod terminating at its inner end adjacent to said electron axis, a support for a specimen mounted on said flexible rod adjacent to the said inner end thereof, and means extending to the exterior of said device for causing a flexing force to be applied to said flexible rod whereby to tilt said specimen-support with respect to said electron axis.

2,418,904

PRODUCTION OF REINFORCED COMPOSITE STRUCTURES

Edward W. Rugeley and Theophilus A. Feild, Jr., Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation, a corporation of New York

Application June 23, 1943, Serial No. 491,918

8 Claims. (Cl. 154—139)

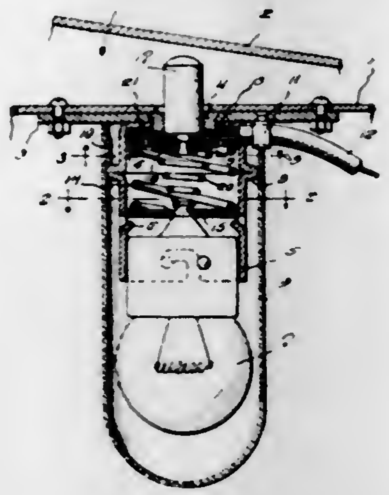
1. A composite structure of thermoplastic material, which structure is resistant to deforma-

tion by puncturing, tearing and stretching forces, which comprises at least one flexible, sheet-like element formed from a vinyl resin selected from the class consisting of polyvinyl resins produced by the conjoint polymerization of a vinyl halide with a vinyl ester of an aliphatic acid, polyvinyl chloride resins, and after-chlorinated polyvinyl resins of the foregoing types, said vinyl resin containing a plasticizer for such resin, and permanently united therewith by heat and pressure a structure of filamentary reinforcing elements formed from a vinyl chloride-acrylonitrile copolymer resin which is not substantially plasticized by said plasticizer nor fused at the temperature and pressure employed in making the composite structure, the resin from which said filamentary reinforcing elements were made being dispersible in acetone, and substantially all portions of the last-named resin having a higher softening point than the first-named vinyl resin and containing between about 45% and about 80% of the chloride in the polymer and having a specific viscosity at 20° C. within the range between 0.2 and 0.6.

2,418,905

TROUBLE LAMP SWITCH

Howard Sage, Cleveland Heights, Ohio
Application June 19, 1945, Serial No. 600,277
2 Claims. (Cl. 200—54)

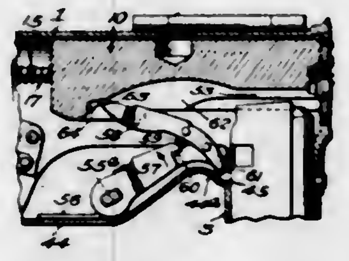


1. In a trouble lamp for mounting in the motor compartment of a vehicle, a socket comprising a sleeve having an inturned flange at one end and lamp base engaging means at the other, a base plate overlying the inturned flange and adapted to be mounted on a wall of the motor compartment, a rivet engaging the inturned flange and an opening in the base plate to secure the sleeve to the plate, said rivet having a central bore, a contact plate transversely disposed adjacent the inturned flange inside the sleeve and having a central aperture registering with the bore of the rivet, a plunger movable axially in the sleeve through said bore and aperture and arranged to project through an opening in a motor compartment wall on which the assembly is mounted, a second contact plate mounted on the plunger and arranged in the sleeve inwardly of the first contact plate, and spring means arranged to urge the plunger outward and the second contact plate toward the first contact plate, said spring means being arranged to electrically connect the second contact plate with a lamp base held by said base-engaging means.

2,418,906

BREECH BOLT RETRACTING MEANS

Frederick W. Sampson, Dayton, Ohio, and George J. Hyde, Brooklyn, N. Y., assignors to General Motors Corporation, a corporation of Delaware
Application May 1, 1944, Serial No. 533,568
4 Claims. (Cl. 42—16)

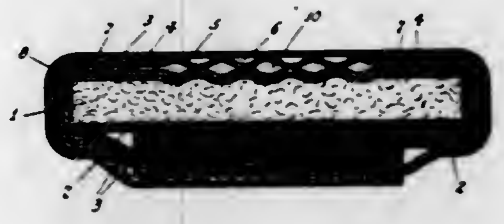


1. In a firearm, the combination of a reciprocating firearm member, a lever journaled in the firearm, a pawl member having a pawl portion and an extension portion in longitudinal alignment therewith, means intermediate said portions pivotally mounting said pawl member on said lever, means causing said pawl to engage the firearm member when the lever is actuated in one direction and means engaging said extension portion when said lever is moved in the reverse direction whereby said pawl is drawn clear of the path of the firearm member.

2,418,907

SANITARY NAPKIN

Frederick W. Schreiber, Highland Park, N. J., assignor to The Personal Products Corporation, a corporation of New Jersey
Application September 4, 1943, Serial No. 501,211
5 Claims. (Cl. 128—284)



1. A dressing for medicinal purposes, particularly for catamenial use, comprising a fluid absorbent pad, a plurality of plies of cellulosic sheet material transversely encircling said pad, fluid repellent cellulosic sheet material located between two of said plies, and likewise transversely encircling said pad except for a centrally located longitudinally extending zone spaced inwardly from the lateral edges of the surface of the pad facing the body of the user when the dressing is in service and through which the fluid has access to the pad, a deodorant medium located between said two plies and within said zone, and means for retaining the deodorant medium between said plies and within said area, the outermost ply of cellulosic sheet material being processed to retard the lateral dispersion of the fluid whereby the latter is substantially confined to the zone of the deodorant as it passes through to the absorbent pad.

2,418,908

CLEANING COMPOSITION FOR REMOVING SLUDGE FROM INTERNAL-COMBUSTION ENGINES

George M. Skinner, Kenmore, N. Y., assignor to National Carbon Company, Inc., a corporation of New York
No Drawing. Original application April 8, 1942, Serial No. 438,077, now Patent No. 2,403,618, dated July 9, 1946. Divided and this application October 2, 1945, Serial No. 619,902
3 Claims. (Cl. 252—118)

1. A cleaning composition for removing sludge from internal combustion engines consisting of a homogeneous liquid mixture of a solvent composed of an acetate ester of a glycol monoalkyl ether and methyl amyl acetate, in appreciable component proportions and in total amount of about 50% to 80% by volume; a lubricating oil in an amount from about 15% to 25%; about 4% to 25% of water; and about 5% to 20% of a morpholine soap coupling agent.

2,418,909

CLEANING COMPOSITION FOR REMOVING SLUDGE FROM INTERNAL-COMBUSTION ENGINES

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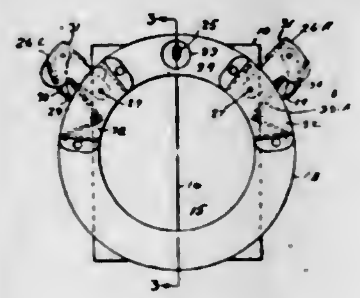
3 Claims. (Cl. 252—118)

1. A cleaning composition for removing sludge from internal combustion engines consisting of a homogeneous liquid mixture of a solvent composed of a glycol monoalkyl ether, a higher molecular weight aliphatic ketone, and methyl amyl acetate, each in appreciable component proportions and in total amount of about 50% to 80% by volume; a lubricating oil in an amount from about 15% to 25%; about 5% to 25% of water; and about 5% to 20% of a morpholine soap coupling agent.

2,418,910

SLIDE RULE CURSOR

Joseph J. Smidl, Portland, Oreg.
Application November 20, 1944, Serial No. 564,196
2 Claims. (Cl. 235—64.3)

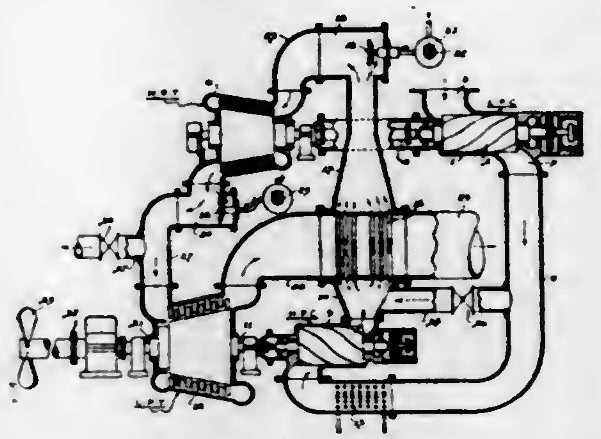


1. A cursor for slide rules consisting of a circular frame adapted to be mounted slidably on a rule, said frame having an enclosed circular dial revolvable therein, said frame having an opening therein through which a portion of said dial may be observed, said dial having ratchet teeth formed thereon, a pair of lever arms hinged to said frame, each of said lever arms having a pawl mounted thereon, one of said pawls engaging said ratchet teeth to drive same in a clockwise direction and the other pawl engaging said ratchet teeth in a counter clockwise direction, one unit at a time, said dial being provided with two series of characteristics ranging from zero to plus and minus values ranging from zero to twelve.

2,418,911

GAS TURBINE CYCLE

Ronald B. Smith, Greensburg, Pa., assignor to Elliott Company, Jeannette, Pa., a corporation of Pennsylvania
Application April 28, 1944, Serial No. 533,190
8 Claims. (Cl. 60—41)



1. A gas turbine power plant for variable loads, comprising a plurality of air compressors connected in series and including a low pressure compressor and a high pressure compressor, a plurality of turbines connected in series and including a power output low pressure turbine and a turbine operable at speeds independent of the speed of the low pressure turbine, power take-off means connected to said low pressure turbine, conduit means for conducting compressed air from said high pressure compressor to said turbines, a burner before each turbine for heating said compressed air, a drive operatively connecting each compressor with one of said turbines for driving the compressors, the low pressure compressor drive being connected only to said turbine that is operable at speeds independent of the speed of said low pressure turbine, and control means for controlling said burners to control the power developed by said low pressure turbine.

2,418,912

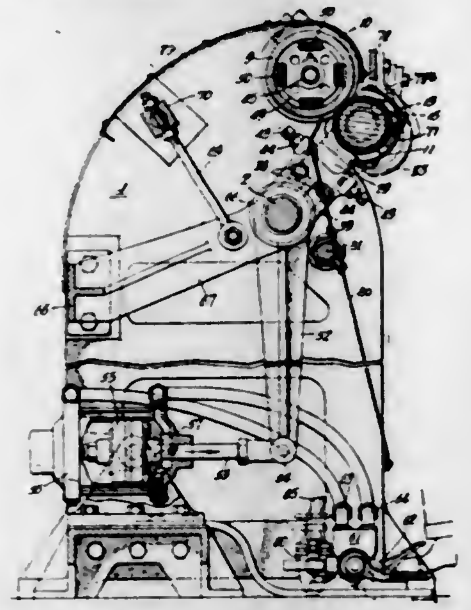
.INTERPOLYMER OF ISOOLEFINE AND POLYOLEFINE

William J. Sparks, Elizabeth, and Robert M. Thomas, Union, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application September 5, 1941, Serial No. 409,658
15 Claims. (Cl. 260—92.6)

15. The process of preparing a solid plastic hydrocarbon interpolymer which is reactive with sulfur to give an elastic product comprising the steps of reacting together a major proportion of an aliphatic isoolefin having 4 to 6 inclusive carbon atoms per molecule with a minor proportion of a conjugated polyolefin having more than 2 double bonds, at least 2 of which are in conjugated relationship, at a temperature between 0° C. and −165° C. in the presence of a polymerization catalyst comprising a Friedel-Crafts catalyst dissolved in a solvent which forms no complex with the Friedel-Crafts catalyst and is liquid at the reaction temperature.

2,418,913
IRONING MACHINE

Frederick S. Stout, Ardmore, Pa., and Johan F. Amelunxen, New Castle, Del., assignors to F. F. Slocomb Corporation, Wilmington, Del., a corporation of Delaware
Application January 10, 1946, Serial No. 640,150
5 Claims. (Cl. 69—43)



1. In an ironing machine, a rock shaft, a first roll relatively fixed with respect to said rock shaft, radial arms on said rock shaft adjacent opposite ends thereof, bearings detachably mounted at the extremities of said radial arms, a second roll journaled in said bearings, said rock shaft being actuable to advance and retract said second roll into and out of pressure engagement with said first roll, means associated with one of said radial arms on the shaft to vary the position of the bearing supported thereby circumferentially of the rock shaft with respect to the bearing on the other arm and thereby set said second roll with respect to the first roll to engage the latter with uniform pressure throughout its length, and mechanism to actuate said rock shaft comprising means operable to cushion impact between said rolls when the same are advanced into pressure engagement.

2,418,914
TENDERING MEAT

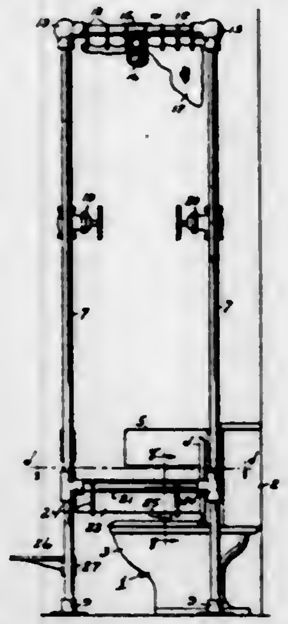
Vladimir Leslie Tichy, Cleveland, Ohio
No Drawing. Application August 1, 1944, Serial No. 547,623
8 Claims. (Cl. 99—107)

1. The method of promoting tendering in meat which comprises the step of mechanically disrupting the fibrous tissue throughout desired portions of the meat by projecting at the surface of the meat and deeply into the interior thereof, a high velocity spray of particles of edible matter.

2,418,915
ADJUSTABLE SHOWER DEVICE

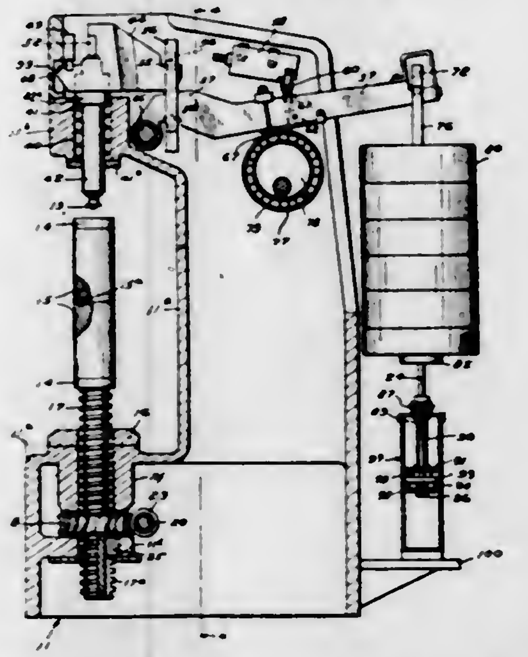
Vladimir K. Volk, Saginaw, Mich.
Application November 30, 1944, Serial No. 565,841
1 Claim. (Cl. 4—145)

A shower device for use with a toilet installation and water service connections, comprising vertical and horizontal supporting members, enclosing a toilet bowl, a shower receptor carried by said horizontal members above the toilet bowl and having an outlet connection into the bowl; a pair of hooked cross bars secured to said receptor at two opposite sides thereof and adapted to releasably hook over said oppositely situated horizontal members so as to permit, at will, the disengagement and bodily removal of the receptor from the frame and toilet installation; or to permit hinge action between the hooked cross bars at either side of said receptor and a corresponding horizontal frame member engaged thereby.



2,418,916
MACHINE FOR TESTING HARDNESS OF METALS AND OTHER MATERIALS

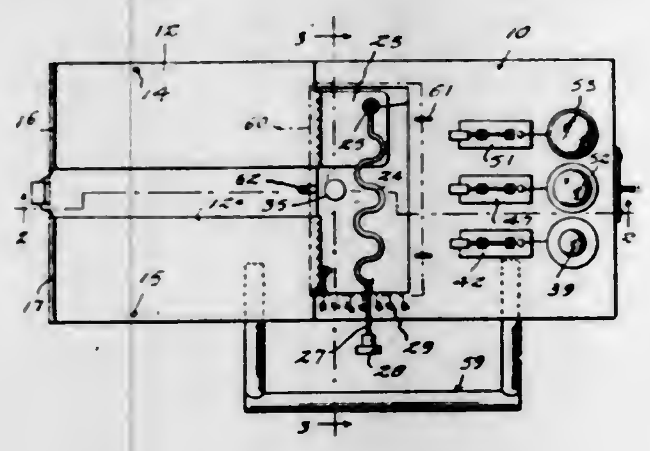
Sara E. Weaver, Detroit, Mich., assignor to Steel City Testing Machines, Incorporated, Detroit, Mich., a corporation of Michigan
Application July 1, 1943, Serial No. 493,100
3 Claims. (Cl. 73—81)



1. In an open-faced testing machine for metal and other hard material, a stand having an upper and a lower jaw member between which the test specimen is placed so as to be clearly visible from three sides, a quick acting elevating screw in the lower jaw, a suitable crank and worm mechanism therefor, a specimen carrying table on the upper end of said screw, a plunger spindle provided with a head forming a bearing seat and yieldingly mounted in said upper jaw in alignment with the axis of said screw and adapted to carry a testing ball of hardened steel, a system of cooperating beams comprising a main and a secondary beam and a connection between adjacent ends of said beams for transmitting load pressure from the free end of the main beam through the secondary beam onto said plunger spindle, a shaft in the upper jaw upon which shaft the inner end of said main beam is mounted to oscillate, said secondary beam having a central knife edge engaging the seat in the plunger head, a fixed bearing seat in said upper jaw, upper and lower bearing seats in said connection, a front knife edge and a rear knife edge on said secondary beam engaging respectively said fixed bearing seat and said upper saddle seat, means for suspending a load at the free end of the main beam comprising a rod with a plurality of weights assembled thereon, an antifriction knife edge bearing supporting said main beam in said connection, electrically operated means for limiting the amount of angular oscillation of said main beam, means including a dash pot for controlling speed of movement of said load, and an adapter placed between said specimen table and elevating screw thereby lessening the amount of adjustment for positioning the table to accommodate the specimen and thus speeding the operation.

2,418,917
ELECTROTHERAPY

Fred Weinman, Brooks, Oreg.
Application October 18, 1944, Serial No. 559,199
2 Claims. (Cl. 128—406)

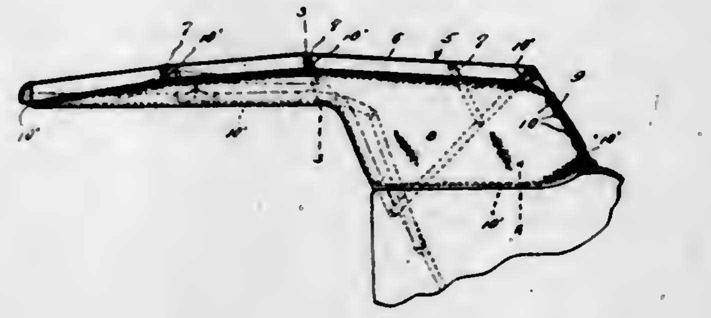


1. An electrical device comprising a base, a pair of spaced contact plates mounted on said base in spaced apart parallel relation and inclined to the horizontal, a liquid reservoir formed in said base, extensions carried by said plates engaging within said reservoir, a regulating member disposed within said reservoir and pivotally carried at one end by one of said extensions, said regulating member being swingable toward or away from the other of said extensions to thereby vary the resistance of the liquid in said reservoir, a non-conducting cover over said reservoir, and means connecting said plates with a source of electric current supply.

2,418,918
AUTOMOBILE TOP LINING

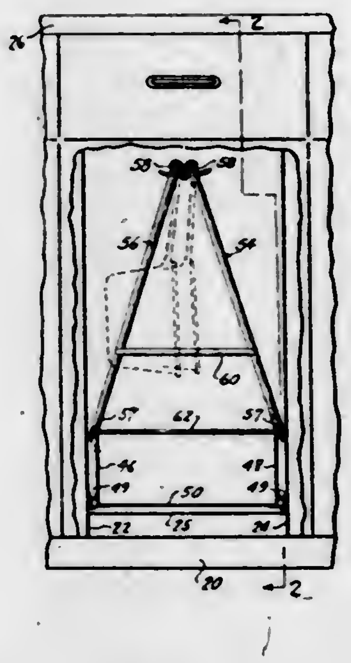
John V. Yankus, Hyde Park, Mass.
Application October 30, 1943, Serial No. 508,285
3 Claims. (Cl. 296—137)

1. A removable lining for foldable automobile tops, said lining consisting of one unit of flexible material and having a top portion and a depending edge portion and having a slide fastener element extending entirely around its depending edge portion in combination with a slide fastener element secured on the juxtaposed edge of the automobile top and the edge of the car body, the rear portion of said lining having a window opening portion in superposed relation to the automobile top window, said window opening portion being provided with snap fastener elements adapted to cooperate with complemental snap fastener elements located on and about the window of the automobile top, said lining having transversely extending slide fastener elements located intermediate the front and rear edge portions of the lining in further combination with slide fastener elements located on the transversely arranged supports of the automobile top, the depending edge portion of the lining being narrow throughout a major portion of the lining, the remainder or minor edge portion being broad and extending from the top down to the car body.



2,418,919
COMBINED DRAWER AND RACK

John H. Benson, Salem, Ohio, assignor to Mullins Manufacturing Corporation, Salem, Ohio, a corporation of New York
Application April 26, 1945, Serial No. 590,322
6 Claims. (Cl. 312—175)



6. A pan and utensil storage unit for use in a kitchen cabinet, comprising a front closure, spaced parallel sliding members secured to said front closure, two U-shaped members having one leg of each secured to a sliding member and the other legs secured to said front closure above said sliding members, said U-shaped members serving to support utensils and to rigidly support the front closure member with respect to said sliding members.

2,418,920
PROCESS OF DISPERSING OIL GELS

Henry G. Berger, George S. Crandall, and John F. Socolofsky, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application March 17, 1942, Serial No. 435,080
15 Claims. (Cl. 106—250)

1. The process which comprises dispersing a gel of an oil of the class consisting of drying and semi-drying oils in an oil of said class with the aid of a small amount of a heterocyclic organic nitrogen compound as a dispersing agent.

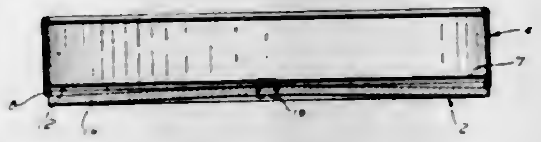
2,418,921
PROCESS OF BODYING DRYING OILS AND THE PRODUCT RESULTING THEREFROM

Henry G. Berger, Glen Rock, and George S. Crandall and John F. Socolofsky, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application April 3, 1945, Serial No. 586,438
12 Claims. (Cl. 106—250)

1. The process which comprises gelling an oil of the class consisting of oiticica oil, perilla oil, dehydrated castor oil and mixtures of said oils with less than an equal quantity by weight of linseed oil by treating said oil with a gelation catalyst of the class consisting of hydrogen fluoride and boron fluoride at a moderate temperature and in sufficient quantity to form a gel of about the consistency of art gum, and dispersing the gel so formed, with the aid of a dispersing agent, in an oil of the class consisting of unbodied drying and semi-drying oils by distributing the gell throughout the oil in which it is to be dispersed, the particles of the gel as dispersed being no larger than small lumps, and heating the mixture to a temperature of at least around 500° F.

2,418,922
TOY

Arthur Berndt, New York, N. Y., and Kurt Berndt, Asheville, N. C.
Application January 6, 1941, Serial No. 373,368
2 Claims. (Cl. 46—45)

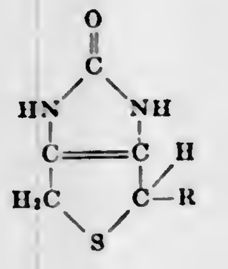


1. An electrostatically-operated toy comprising a casing formed of a cup-shaped cover formed of non-metallic material in which static electricity of negative sign is produced by rubbing and a bottom closing the open end of the cover and having a metallic coating on its upper surface within the casing, and at least one element positioned within the casing for free movement therein and being formed of non-metallic material and having a metallic coating applied to one extremity thereof in an amount sufficient so to lower the center of gravity of the element that it will assume a vertical position when an electrostatic field is established between the casing and the coating but insufficient in amount to prevent the element from assuming such a vertical position and from having free movement, whereby such element will freely move in an erratic path within the casing in a vertical position with the metallic coating at the lower end thereof when an electrostatic field is produced between said cover and said bottom.

2,418,923
5-KETO-2,4,6,8-TETRAHYDROIMIDAZOLO [4,5-C] THIOPHENES AND PROCESS FOR PREPARING THE SAME

Seymour Bernstein, Pearl River, Bernard R. Baker, Nanuet, and Sidney R. Safir, Pearl River, N. Y., assignors by mesne assignments, to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application February 14, 1945, Serial No. 577,943
9 Claims. (Cl. 260—309)

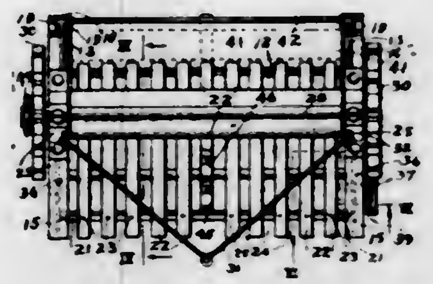
1. Compounds having the formula:



wherein R is a member of the group consisting of alkyl radicals, carboxyalkyl radicals and carbalkoxyalkyl radicals.

2,418,924
STONE COLLECTOR

James H. Booth, Corunna, Mich.
Application February 22, 1944, Serial No. 523,469
6 Claims. (Cl. 55—17)

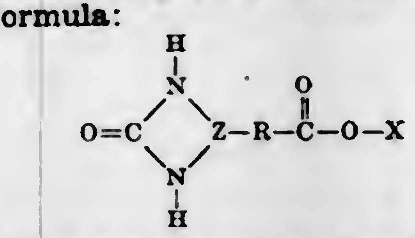


1. A machine for the purpose described comprising a sled frame for supporting the machine when drawn over the ground, longitudinally extending spaced apart collector bars mounted on said frame, the forward portions of said bars being inclined downwardly for projection into the ground to scoop up plowed-up stones for travel of the stones rearwardly along the bars, a receptacle on said sled frame at the rear thereof for receiving the stones from said bars, bearing standards at the sides of said sled frame, a shaft journaled in said bearing standards, a resilient rubber roller mounted on said shaft to extend transversely over said bars, and means for rotating said shaft for rotation of said roller and downward pressure engagement thereof with the stones for cleaning of the stones and propulsion thereof rearwardly on said bars for discharge into said receptacle.

2,418,925
UREYLENE CARBOCYCLIC COMPOUNDS AND THEIR PREPARATION

Richard C. Clapp, Stamford, and Richard O. Roblin, Jr., Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application July 22, 1944, Serial No. 546,205
12 Claims. (Cl. 260—309)

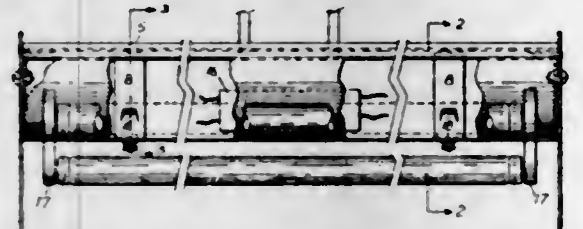
1. Chemical compounds corresponding to the general formula:



in which Z is a six membered carbocyclic ring, the ureylene nitrogens being attached thereto on adjacent carbon atoms, R is an alkylene radical of from 1 to 6 carbon atoms, and X is a member of the group consisting of hydrogen, alkyl and cycloalkyl radicals.

2,418,926
FLUORESCENT FIXTURE

Kenneth L. Francis, Denver, Colo.
Application August 22, 1945, Serial No. 612,106
1 Claim. (Cl. 240—78)



A fluorescent fixture comprising, in combination, a base adapted to be supported from a ceiling, at least two brackets secured to the under surface of the base in longitudinally spaced relation, screws extending downwardly from the lower ends of the brackets, a fixture body comprising an elongated sheet metal member of broadly concave convex cross section, of a size in which the edges contact the under surface of the base when the lowermost portion of the concave surface is substantially in contact with the lower end of the brackets, the fixture body having openings for the reception of the downwardly extending screws, each of said brackets having an outwardly and upwardly ranging hook, the fixture body having at least one edge provided with an inturned flange for engaging the hooks to support it temporarily during installation.

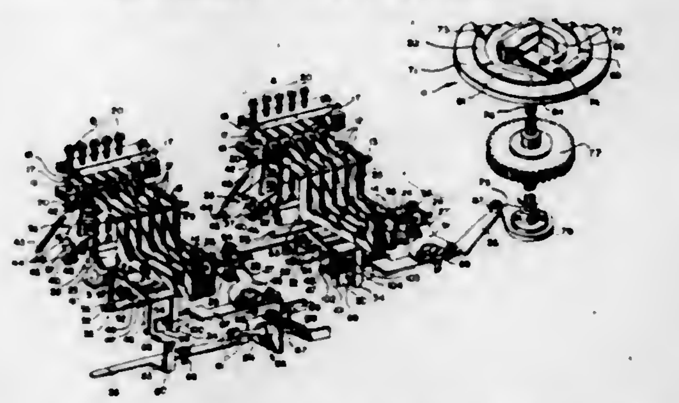
2,418,927
COATING OR SIZING TREATMENT OF YARNS

Herbert Freund, West New York, N. J.
No Drawing. Application June 3, 1943, Serial No. 489,492
1 Claim. (Cl. 28—74)

A method of treating synthetic yarns in the production of sheer knit goods, said method comprising, in combination, sizing the yarn at a bath heated to not less than 40° C. with a self-emulsifiable mixture of a hydrogenated oil, a solid fatty acid and a soap, said mixture having a melting point of 40° C. to 70° C. and an iodine value not exceeding 30, drying the sized yarn at a temperature of at least 50° C., reducing its water contents to about 4 to 5% and immediately thereafter scotching the yarn while it is in a dry and still warm state, thereby aligning the threads and eliminating harshness as well as static.

2,418,928
TELEGRAPH SYSTEM AND APPARATUS FOR SELECTIVE SINGLE OR DOUBLE CHANNEL OPERATION

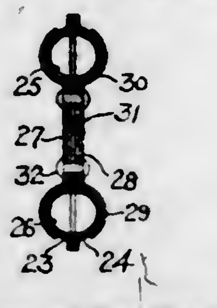
Wilbur R. Gemmel, Wheaton, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application November 4, 1944, Serial No. 561,874
10 Claims. (Cl. 178—53.1)



1. In a start-stop telegraph system, a pair of tape transmitters, a distributor having a plurality of code segments half of which are connected to each of said tape transmitters in alternate sequential order, signal forming means associated with each of said tape transmitters, a bail associated with each of said tape transmitters for controlling said signal forming means, means associated with said distributor for controlling the operation of said bails, and means operating to block the operation of one of said bails independently of said distributor associated means thereby rendering one of said tape transmitters unoperative and to alter the connections between said distributor and said tape transmitters whereby the first of said tape transmitters is disconnected from said code segments of said distributor and the other of said tape transmitters is connected to all of said code segments of said distributor.

2,418,929
DIVIDED TUBE METAL BEAM STRUCTURE

Roland R. Glassbrook, Lansing, Mich., assignor of one-fourth to Wayne Glassbrook, Lansing, Mich.
Application March 7, 1944, Serial No. 525,394
1 Claim. (Cl. 189—37)



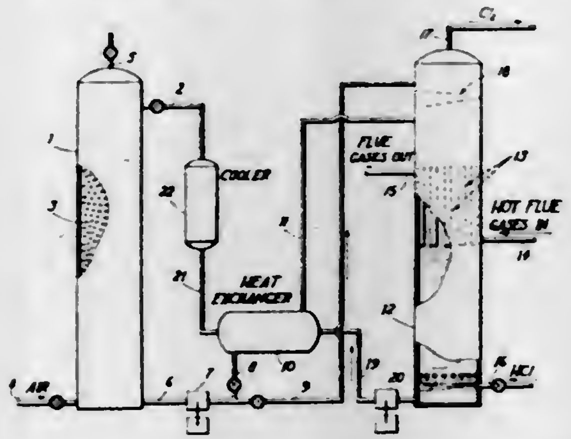
A beam construction of the character described, comprising members having part cylindrical tubular portions, two of said members being placed opposite each other whereby said part tubular portions form tubular side edge passages in the beam, a flat plate member arranged between the said part tubular members, externally placed part tubular members arranged in contact with the said part tubular inner members, tubes extending internally within and between the part tubular portions of the said inner located part tubular members, and the said inner and outer part tubular members and the said interposed plate member being secured together by rivets passing through all of said members.

2,418,930
CHLORINE MANUFACTURE

Everett Gorin, Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

Application October 25, 1943, Serial No. 507,617

9 Claims. (Cl. 23—219)



1. A process for the production of chlorine from hydrogen chloride which comprises (1) continuously circulating a contact mass comprising at least one metallic chloride a major portion of which is cuprous chloride in contact with an oxygen containing gas through a reaction zone while maintaining a temperature within the range of from 200° C. to 475° C. and a pressure of from 1 to 20 atmospheres to form cupric oxychloride (2) withdrawing the contact mass containing cupric oxychloride from the reaction zone and circulating it to a second reaction zone, (3) continuously circulating the mass through the second reaction zone in contact with hydrogen chloride and maintaining a temperature not above 600° C. but at least as high as 475° C. for at least a portion of its residence time in the second reaction zone whereby the cupric oxychloride and hydrogen chloride react to form chlorine gas, water vapor and cuprous chloride, (4) recovering the evolved chlorine and (5) withdrawing the contact mass from the second reaction zone and continuously recirculating it to the first reaction zone.

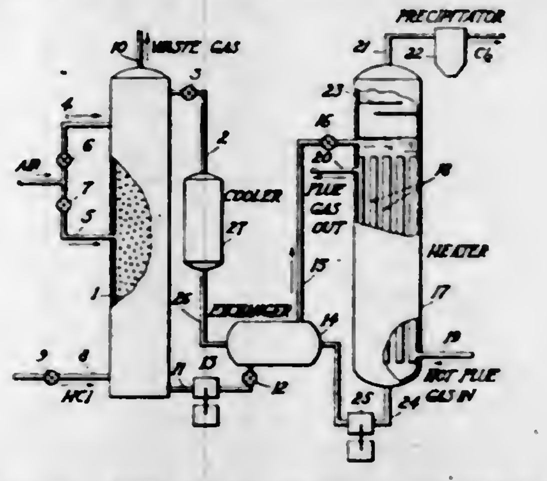
2,418,931
RECOVERY OF HALOGENS

Everett Gorin, Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

Application November 9, 1945, Serial No. 627,765

14 Claims. (Cl. 23—219)

1. A process for the production of chlorine from hydrogen chloride which comprises (1) continuously introducing a mass comprising at least one metallic chloride at least a major portion of which is cuprous chloride into a reaction zone at a temperature within the range of from 200° C. to 425° C., (2) countercurrently contacting the mass with hydrogen chloride and oxygen in the reaction zone while controlling the temperature within the range of from 200° C. to not above 475° C. to convert at least a part of the cuprous chloride to cupric chloride, (3) removing the water vapor formed from the reaction zone, (4) continuously withdrawing the mass containing the cupric chloride from the reaction zone and circulating the mass to a second separate reaction zone, (5) heating the mass in the second reaction zone to a temperature of from 500° C. to not above 800° C. to liberate chlorine and to reform cuprous chloride from the cupric chloride, (6) recovering the chlorine and (7) withdrawing the mass from the second reaction zone and recirculating it to the first reaction zone.

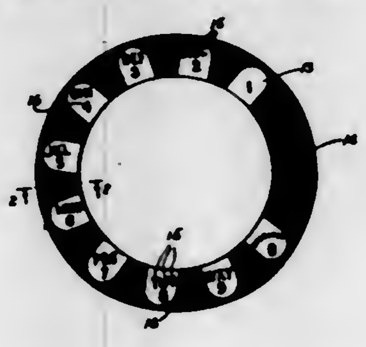


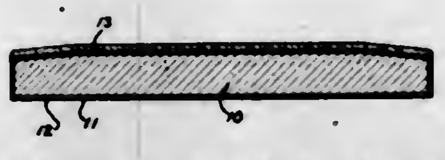
2,418,932
METHOD OF MAKING ENAMEL COATED ARTICLES

Russel E. Harr, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application November 13, 1940, Serial No. 365,453

4 Claims. (Cl. 204—38)





1. A method of coating an article with a vitrifiable material which comprises electrodepositing a layer of nickel-iron alloy containing from .5% to 10% of iron on the article in a nickel sulfate, ferrous sulfate solution, employing a nickel anode and an iron anode, maintaining a quantity of metallic iron in a subdivided state in the solution, applying a vitrifiable material on the alloy layer, and heating the article to fuse the vitrifiable material to form a smooth coating.

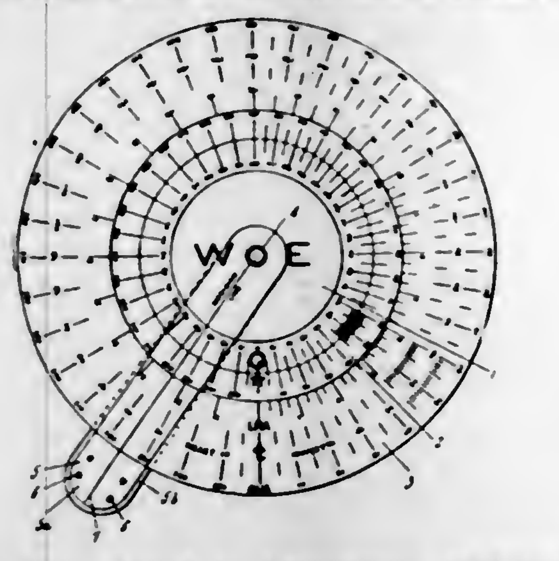
2,418,933
NAVIGATIONAL CALCULATING INSTRUMENT

Ebenezer Hill, Stamford, Conn.

Application November 24, 1945, Serial No. 630,617

3 Claims. (Cl. 235—78)

1. A navigational calculating instrument comprising five superposed disks of diameters progressively increasing from top to bottom, mounted rotatably in relation to each other on a rotatable handle on a common center; said topmost disk being provided with graduations indicating 180° of longitude east and west; said second and third disk being provided with graduations indicating hours and minutes from zero to 24 counterclockwise; said fourth disk being provided with graduations indicating degrees of arc from zero to 360° counterclockwise; and said fifth disk being provided with three concentric scales having their zero points in alignment, said inmost scale having graduations indicating hours and minutes from zero to 24 clockwise, said middle scale having graduations indicating degrees from zero to 180° clockwise and from zero to 180° counterclockwise and said outermost scale having graduations indicating degrees of arc from zero to 360° counterclockwise; and a meridian line radially disposed across said disks on said handle and rotatable in relation to said disks.

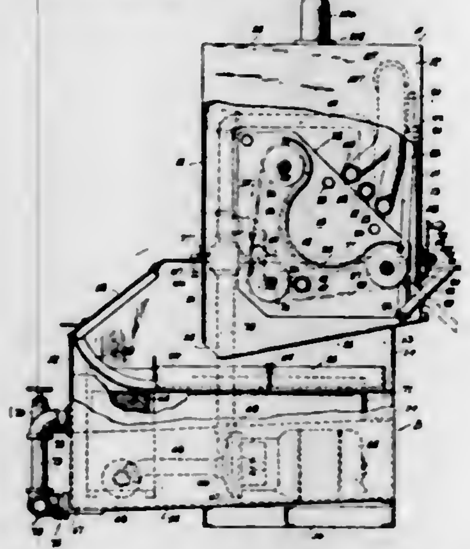


2,418,934
CLEANING MACHINE

Charles Hirsch, South Bend, Ind., assignor to The American Foundry Equipment Company, Mishawaka, Ind., a corporation of Delaware

Application July 11, 1944, Serial No. 544,374

9 Claims. (Cl. 51—163)



5. A cleaning machine comprising in combination, a housing; a pervious belt guided in said housing for movement along a curved path so as to form a tumbling trough in a space of air adapted to receive in said trough parts to be cleaned; a nozzle for discharging a jet of liquid into said trough from above; a nozzle for discharging a jet of liquid into said trough through said belt from underneath; means for supplying a liquid to said nozzles; means below said belt for collecting liquid passing through said pervious belt; and means for driving said belt.

2,418,935
TREATMENT OF STEEL ARTICLES

Gilbert E. Hutchinson, Bridgeport, Conn., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware

No Drawing. Application August 26, 1943, Serial No. 500,071

4 Claims. (Cl. 117—49)

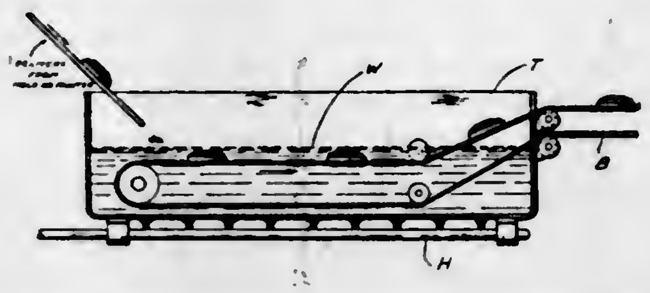
1. A method for improving the corrosion resistance of steel articles, which comprises subjecting a steel article to a moisture vapor treatment, subjecting the moisture vapor coated steel article to the vapors of a volatile hydrocarbon silicon halide to form a hydrocarbon silicon coating thereon, and then immediately heating to a temperature of between 90° C. and 150° C. with a current of hot air for about 5 to 100 minutes to drive off the acid formed by the reaction between the vapors of the hydrocarbon silicon halide and the moisture vapor, and to condense the reaction product into a high linear silicone polymer.

2,418,936
TARGET MANUFACTURE

Gilbert E. Hutchinson, Bridgeport, Conn., and Alfred A. Johnson, Wilmington, Del., assignors to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware

Application February 23, 1944, Serial No. 523,550

1 Claim. (Cl. 18—47.5)



In the manufacture of a frangible target comprising a rim portion of substantial thickness surrounding a relatively thin disk from an admixture of a pitch and a filler having a softening temperature not lower than 100° C., the method comprising the steps of compressing and cooling a charge of a hot and fluid admixture of the pitch and filler in a cooled mold to form the target, removing the target so formed after a time interval sufficient to substantially rigidify said thin disk and the surface portion only of said thick rim, and thereafter annealing the target by subjecting the target to a temperature between 55° C. and 100° C. for a time between ten seconds and five minutes.

2,418,937
SOIL PULVERIZER AND SEEDER

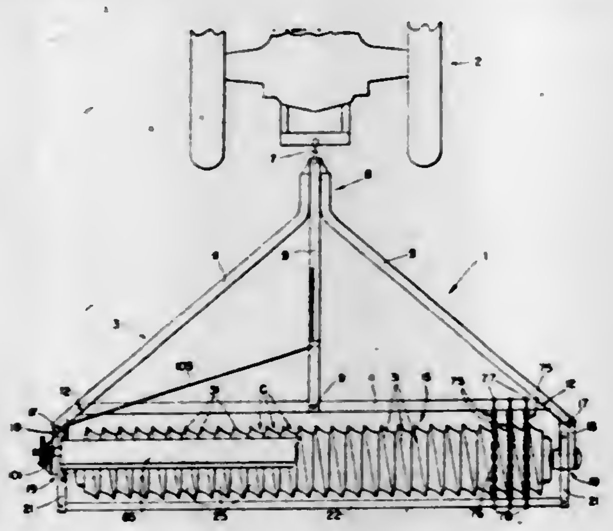
William A. Hyland and Royce R. Borngraeber, Horicon, Wis., assignors to The Van Brunt Manufacturing Company, Horicon, Wis., a corporation of Wisconsin

Application May 28, 1943, Serial No. 488,930

11 Claims. (Cl. 111—10)

1. In an agricultural implement including a soil pulverizer, packer or the like having frame means provided with laterally spaced journal boxes, a land roller unit having end bearings disposed for rotation in said boxes, at least one of the latter having a cap member with an apertured section in axial alignment with the associated bearing member of the land roller unit, and a seeding attachment adapted to be supported on said frame means, drive means for driving the

seeding attachment from the land roller, including a member adapted to be passed into said journal box through the opening in said apertured section



of the associated cap, and means connecting said member with the associated bearing to rotate with said land roller.

2,418,938
SULFUR-CONTAINING POLYMERIC COMPOUNDS

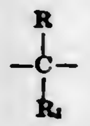
Emmette F. Izard, Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 19, 1944, Serial No. 518,877
7 Claims. (Cl. 260—79)

1. A saturated macromolecular organic compound having at least one recurring unit linked together in chain-like fashion in the molecule thereof, an average molecular weight in excess of 1000 and containing sulfur and wherein the first valence of a bivalent sulfur atom is attached through a methylene group to a member of the group consisting of (*a*) a carbon atom which, in turn, is attached to an oxygen atom directly attached to the chain of the macromolecular compound, (*b*) a carbon atom which, in turn, is attached to both an oxygen atom directly attached to the chain of the macromolecular compound and to a second oxygen atom by only one bond, and (*c*) a carbon atom which, in turn, is attached to both an oxygen atom directly attached to the chain of the macromolecular compound and to a second oxygen atom by two bonds, the second valence of the sulfur atom being satisfied by a member of the group consisting of hydrogen and another bivalent sulfur atom whose second valence is satisfied in the same manner as the first valence of the first-named sulfur atom.

2,418,939
SULFUR-CONTAINING POLYMERIC COMPOUNDS AND PROCESS FOR PRODUCING THE SAME

Emmette F. Izard, Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 19, 1944, Serial No. 518,878
10 Claims. (Cl. 260—79)

1. A saturated macromolecular organic compound having at least one recurring unit linked together in chain-like fashion in the molecule, an average molecular weight in excess of 1000 and containing sulfur, and wherein two bivalent sulfur atoms are attached by the bivalent bridging radical



$$-\overset{\displaystyle R}{\underset{\displaystyle R_1}{\overset{|}{\underset{|}{C}}}}-$$

wherein R and R_1 are members of the group consisting of hydrogen, alkyl, aryl and aralkyl, and the other valence of each of said sulfur atoms is correspondingly attached through a bivalent bridging radical, similar to the first-named bridging radical, to a carbon atom which, in turn, is attached to a member of the group consist of (*a*) an oxygen atom directly attached to the chain of the macromolecular compound, (*b*) an oxygen atom directly attached to the chain of the macromolecular compound and to a second oxygen atom by at least one bond, and (*c*) an oxygen atom directly attached to the chain of the macromolecular compound and to a second oxygen atom by two bonds.

2,418,940
SULFUR-CONTAINING POLYMERIC COMPOUNDS

Emmette F. Izard, Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 19, 1944, Serial No. 518,879
5 Claims. (Cl. 260—79)

1. The reaction product of an alkaline thiosulfate and a saturated macromolecular organic compound having at least one recurring unit linked together in chain-like fashion in the molecule, an average molecular weight in excess of 1000, and a reactive ester group selected from the class which consists of halogen esters, sulfate esters and sulfonate esters.

2,418,941
THIOUREA DERIVATIVES OF POLYMERIC COMPOUNDS

Emmette F. Izard, Kenmore, N. Y., and Benjamin W. Howk, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 19, 1944, Serial No. 518,880
6 Claims. (Cl. 260—79)

1. The isothiourea derivative of a macromolecular organic compound having at least one recurring unit linked together in chain-like fashion in the molecule, an average molecular weight in excess of 1000, and at least one reactive ester group selected from the class consisting of halogen esters, sulfate esters and sulfonate esters and in which derivative the isothiourea group is attached through the sulfur atom to the chain of the macromolecular organic compound.

2,418,942
METHOD FOR PRODUCING POLYMERIC MATERIALS CONTAINING SULFUR

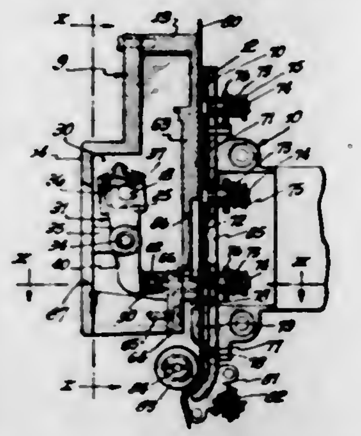
Paul W. Morgan, Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 19, 1944, Serial No. 518,881
4 Claims. (Cl. 260—230)

1. A method which comprises reacting hydrogen sulfide in the presence of pyridine with cellulose acetate p-toluene sulfonate.

2. A method which comprises reacting hydrogen sulfide in the presence of an organic base with a reactive ester group of a saturated polymeric material having an average molecular weight in excess of 1000 to displace said reactive ester group with a mercaptan group, said reactive ester group being selected from the class consisting of halogen, sulfate and sulfonate.

2,418,943
REGISTER PIN MECHANISM

Richard Jones, Burbank, Calif., assignor to Walt Disney Productions, Burbank, Calif., a corporation of California
Application December 8, 1944, Serial No. 567,279
14 Claims. (Cl. 88—18.4)

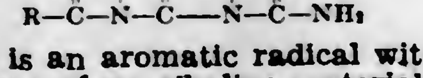


1. A register pin mechanism for a motion picture film projector comprising a casing, a block forming part of a film guide at one side of the casing, a light aperture in the block, a rocker yoke having a position within the casing framing the light aperture and having sides thereof pivotally mounted upon the walls of the casing, a tie bar having the ends thereof rotatably and slidably engaging the ends of the rocker yoke at one side of the pivotal mounting, dowel pins secured to and extending laterally from the tie bar and respectively located opposite the perforations in the film, passages in the block at one side of the casing adapted to slidably receive the dowel pins, said dowel pins having ends corresponding in size to the perforations in the film, and a slot at the end of the rocker yoke remote from the tie bar, a cam in the slot adapted to cooperatively engage opposite sides of the slot and timed to cooperate with the projector shutter and a shaft connecting the cam with the power drive for the projector.

2,418,944
GUANIDES AND THEIR PREPARATION

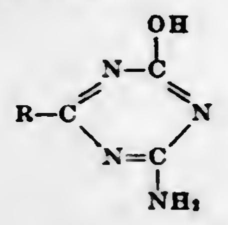
Donald W. Kaiser and Jack T. Thurston, Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application December 19, 1942, Serial No. 469,580
3 Claims. (Cl. 260—249.5)

1. A process of preparing aromatic substituted guanides which comprises mixing together in a mutual solvent an aromatic acyl guanylurea having the general formula



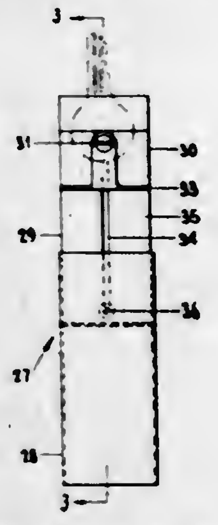
$$R-\overset{\overset{\displaystyle O}{\|}}{C}-\overset{\overset{\displaystyle H}{|}}{N}-\overset{\overset{\displaystyle NH}{\|}}{C}-\overset{\overset{\displaystyle H}{|}}{N}-\overset{\overset{\displaystyle O}{\|}}{C}-NH_2$$

in which R is an aromatic radical with at least one equivalent of an alkaline material having a dissociation constant of at least 1×10^{-6}, allowing substantial conversion of the resulting guanylurea salt to guanide salt to take place, neutralizing the said guanide salt with an acid and recovering an aromatic substituted guanide having the formula



2,418,945
KEY CASE

Bernard H. Kaminer, Brooklyn, N. Y.
Application December 3, 1945, Serial No. 632,511
3 Claims. (Cl. 70—456)



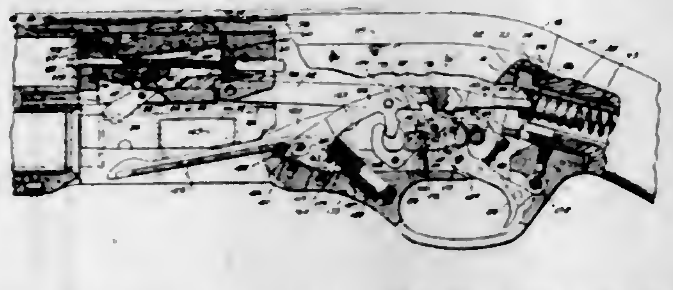
1. A key case comprising a rectangular receptacle having open ends, said receptacle having a rivet or the like in one of its walls adjacent one end thereof, a key carrier comprising a hollow body slidably mounted in said receptacle and having two end walls adapted to provide closure means for the open ends of said receptacle, said carrier having a slot in its longitudinal wall, said rivet passing through said slot and serving to limit the outward movement of said carrier from said casing, separable threaded members extending laterally of said carrier adjacent its outer end, keys pivotally mounted on said threaded members to lie in face to face relationship, said threaded members being in spaced-apart relation from the outer wall of said carrier to permit said keys to swing into right-angular relation with said carrier, said keys being fully concealed within said key case when said carrier is moved into said receptacle sufficiently to close the end walls thereof, said carrier having a free end portion pivotally mounted thereon to permit said end portion to swing into right-angular relation with said carrier and said keys to be moved longitudinally outwardly of said carrier.

2,418,946
BREECH BOLT LOCK FOR FIREARMS

Oliver H. Loomis, Ilion, N. Y., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application August 15, 1942, Serial No. 454,961
4 Claims. (Cl. 42—4)

1. In a firearm, the combination with a receiver, a barrel, a barrel extension, a breech bolt having a transverse aperture, a locking block pivotally mounted in the transverse aperture of said breech bolt and arranged to be moved into and from engagement with said barrel extension to lock and unlock said breech bolt to and from said barrel extension; of means to lock and unlock said locking block to and from said breech bolt

comprising a pin slidably mounted partly in the transverse aperture of said breech bolt and a spring arranged to load said pin longitudinally normally to force said pin laterally out of said transverse aperture and to lock said locking block in said breech bolt, said pin being arranged to be engaged by said barrel extension and forced laterally into said transverse aperture thereby to unlock said locking block from said breech bolt.

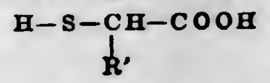


2,418,947
N^4-(MERCAPTO-ACYL)-(p-AMINO-BENZENE-SULFONAMIDES) AND METHOD OF PREPARING SAME

William A. Lott, Maplewood, and Kathryn A. Losee, New Brunswick, N. J., and Andrew Ellis O'Keeffe, United States Army, assignors to E. R. Squibb & Sons, New York, N. Y., a corporation of New York

No Drawing. Application May 17, 1943,
Serial No. 488,805
10 Claims. (Cl. 260—239.6)

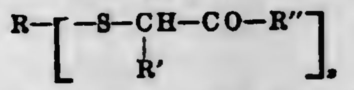
3. The method which comprises heating a mixture composed of a p-amino-benzene-sulfonamide and an acid of the general formula



$$\mathrm{H{-}S{-}\underset{\displaystyle R'}{\underset{|}{CH}}{-}COOH}$$

wherein R' represents a member of the class consisting of hydrogen, alkyl, aryl, and aralkyl.

6. A compound of the general formula

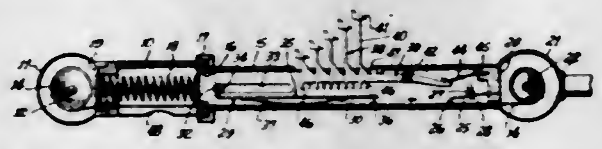


$$\mathrm{R}{-}\left[\mathrm{{-}S{-}\underset{\displaystyle R'}{\underset{|}{CH}}{-}CO{-}R''}\right]_x$$

wherein R'' represents the N^4-radical of a p-amino-benzene-sulfonamide, R' represents a member of the class consisting of hydrogen, alkyl, aryl, and aralkyl, R represents a member of the class consisting of hydrogen and the heavy metals, and x represents the valence of R.

2,418,948
CALCULATING DEVICE

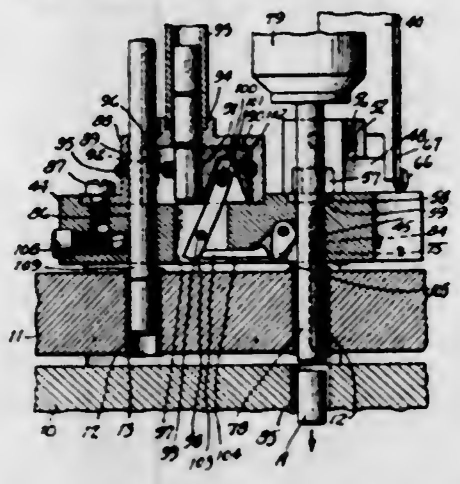
Carl L. Ludwig, Los Angeles, Calif.
Application February 25, 1944, Serial No. 523,821
11 Claims. (Cl. 235—71)



1. A device of the character described comprising a casing having indicia indexing means, a tape roller mounted within said casing having indicia thereon, means to longitudinally move said tape in said casing a selected pre-determined amount, means to lock said tape in moved position, and means to return said tape to its original position when said locking means is released, said first means including a slidable member having releasable tape engaging means, and a plurality of pivoted keys each adapted when pivoted to actuate said tape engaging means a different amount.

2,418,949
ARTICLE GAGING, EJECTING, AND REFEED MECHANISM FOR DIE PRESSES

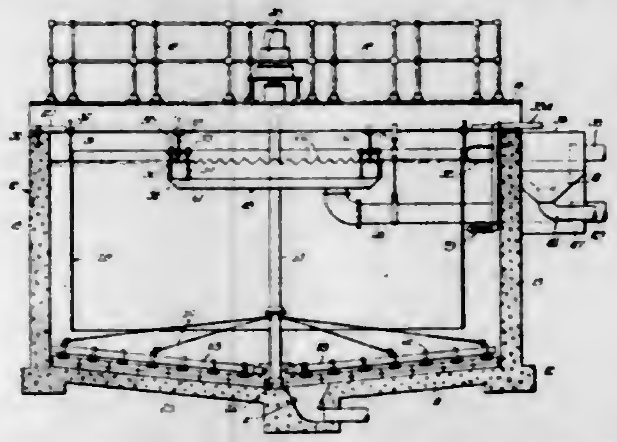
Dana R. McNally, Barneveld, N. Y., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application October 3, 1944, Serial No. 557,003
10 Claims. (Cl. 209—88)



1. In a die press or the like, a transfer member intermittently movable to transfer a succession of articles successively along a plurality of operating stations; a reciprocating tool carrying gate; detector means on the gate in cooperative relation with one station for cooperation with an article carried by the transfer means to determine defectiveness thereof; an ejector punch on the gate in cooperative relation with the following station for ejecting a defective article; actuating means cooperating between the detector means and the ejector punch for rendering the ejector punch operative through detection by the detector means of a defective article; refeed means in cooperative relation with the next following station; and actuating means for the refeed means engageable by the ejector punch during its ejection movement for rendering the refeed means operative in response to the rejection of a defective article.

2,418,950
SETTLING TANK

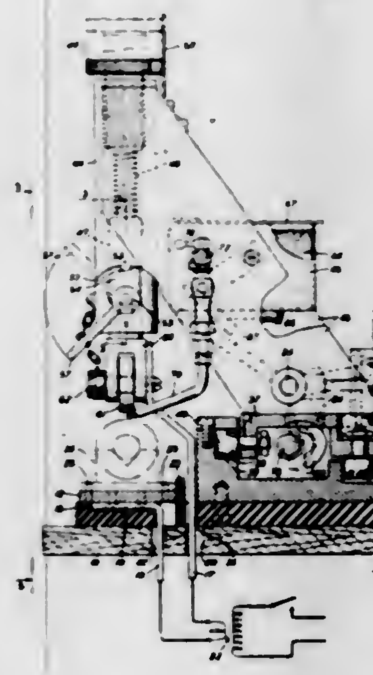
John A. Montgomery, Denver, Colo., assignor to Lakeside Engineering Corporation, Chicago, Ill., a corporation of Illinois
Application June 12, 1944, Serial No. 539,914
5 Claims. (Cl. 210—3)



1. In a settling device, in combination, a circular tank having a vertical cylindrical wall and an approximately horizontal bottom wall, a substantially concentric skirt depending within the tank in spaced relation to the walls thereof, said skirt dividing the tank into an annular race extending around the skirt and a centrally disposed clarifying chamber within the skirt, an inlet conduit for supplying incoming liquid to the annular race, a launder positioned within the clarifying chamber for withdrawing the clarified liquid, a discharge conduit for the clarified liquid connecting with the bottom of the launder and extending through the depending skirt into the annular race and through the cylindrical wall of the tank to the exterior, the portion of the discharge conduit within the annular race being positioned approximately midway of the height of the skirt and thus below the level of the liquid in said race, whereby the surface of the liquid in the race is unobstructed, a plurality of baffles positioned in spaced relation around the annular race for collecting the scum from the surface of the liquid, and an outlet in the cylindrical wall of the tank located in advance of each baffle for removing the scum collected by said baffle.

2,418,951
WELDING APPARATUS

Samuel Pitt, Westfield, and Daniel Vaughn Waters, Flemington, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application June 29, 1944, Serial No. 542,668
5 Claims. (Cl. 219—4)

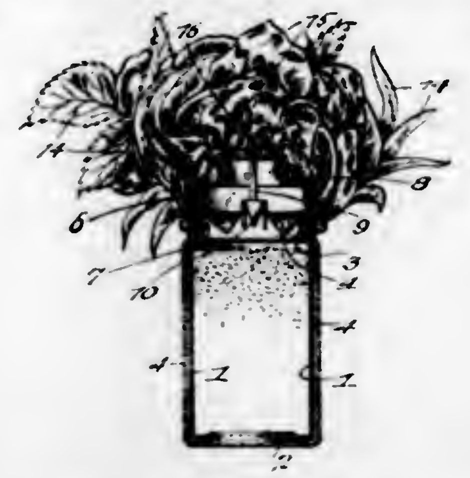


2. A welding apparatus comprising a support for an article to be welded, an electrode, means to include the electrode and the support in a welding circuit, a carriage for the electrode, reversible power means, means to connect the carriage thereto to thereby cause reciprocation of the electrode to weld different portions of the articles during the reciprocal movement of the electrode, and separate means movable with the carriage upon their respective sides of the electrode to selectively apply an inflammable material to the article in advance of the electrode, to cause burning of an oxide coating on the article in advance of the welding operation.

2,418,952
TOILET POWDER SHAKER AND DISPENSING CONTAINER THEREFOR

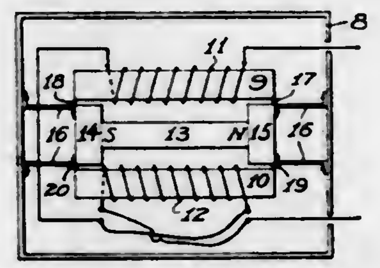
Ethel Adriance Poillon, Forest Hills, N. Y.
Application April 1, 1944, Serial No. 529,213
1 Claim. (Cl. 222—78)

A powder shaker comprising in combination a dispensing receptacle closed at one end and open at its other end permitting access thereto, a paper wrapper enveloping all of the outer surface of said receptacle, said receptacle having formed therein a groove, and a removable cap therefor, said cap having at least one dispensing opening therein and having formed thereon a grooved beading arranged to seat within said groove in said receptacle, said grooved beading of said cap having mounted therein and detachable therefrom an extensible ring carrying the component structure of an artificial flower head through which powder is sifted after said paper wrapper has been partially opened to permit said powder to pass from said receptacle into and through said flower head.



2,418,953
TRANSDUCING SYSTEM

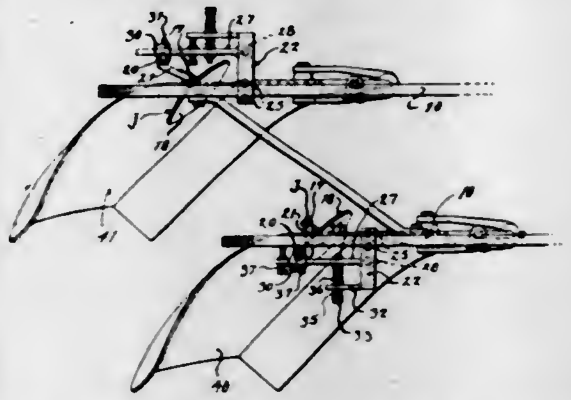
Russell W. Raitt, Altadena, Calif., assignor to Geophysical Engineering Corporation, Pasadena, Calif., a corporation of Delaware
Application February 25, 1941, Serial No. 380,499
5 Claims. (Cl. 177—352)



2. In a variable reluctance differential electromagnetic transducing system, a permanent magnet comprising laminations, assembled to form a rectangular block, a pair of clamping blocks to hold said laminations, a mass comprising a rectangular block of laminations of high magnetic permeability, clamping plates for said laminations, said rectangular mass being spaced from said permanent magnet to present a gap between the substantially plane face of the rectangular block forming said permanent magnet and the substantially plane face of said block mass, a pair of return magnetic paths composed of laminated blocks of highly permeable material, means for rigidly connecting said return paths parallel to said permanent magnet, each of said return paths extending beyond said permanent magnet, said mass being mounted between said return paths and so spaced from each of said return paths to present a gap between one end of said block mass and one of said return paths and another gap between the other end of said block mass and the other of said return paths, a plurality of springs, said block mass being mounted on said springs, said springs being also adjustably mounted on said assembly of said permanent magnet and said return paths, coils in said return paths.

2,418,954
PLOW JOINTER

John F. Raleigh, Peshtigo, Wis.
Application February 2, 1945, Serial No. 575,761
4 Claims. (Cl. 97—210)



2. The combination with a plow including a beam, a plow bottom having a share, a mold board and a land side, and a rolling coulter carried by said beam, of a jointer including a rotatable disc disposed between the coulter and the mold board, said disc being arranged at an angle to the land side and directly at the front of said mold board, a support for said disc including a bracket, means for angularly adjusting the bracket on the beam, a jointer beam rockably carried by the bracket movable toward and away from the first beam, a supporting bracket adjustable along the jointer beam, a standard vertically adjustable in the supporting bracket, means rotatably connecting the disc to the standard, means normally urging the jointer beam, standard and disc toward the plow, and means for limiting the inward movement of said disc.

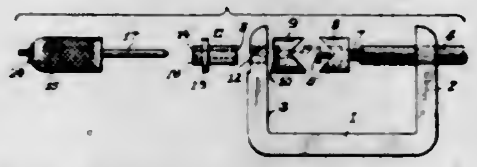
2,418,955
PROCESS OF REMOVING FOREIGN MATTER FROM MAGNESIUM SURFACES

Roy Shawcross, Salina, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application May 25, 1943, Serial No. 488,403
2 Claims. (Cl. 252—136)

1. The process of removing from a magnesium surface, roll coatings and similar foreign materials which comprises contacting the surface with an aqueous solution containing from about 5 to about 25 per cent. by weight of an acid sulphate of an alkali metal and from about 0.2 to about 15 per cent. by weight of a soluble sodium polyphosphate.

2,418,956
LOCATING AND DRILLING FIXTURE

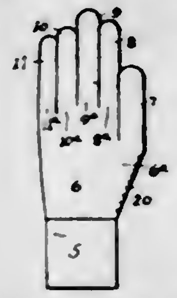
Joseph R. Silver, Minneapolis, Minn., assignor of one-half to Louis D. Freiberg, Akron, Ohio
Application June 7, 1944, Serial No. 539,147
2 Claims. (Cl. 77—62)



1. A jig or fixture for holding a piece on which a working operation is to be performed, said fixture comprising a support, a clamping member on the support, a removable bushing carried by the support and having a bore for accommodating a tool, a clamping member on the bushing in alignment with said first clamping member and having a bore aligned with the bushing bore, a center locating and punching means associated with said bushing and engageable with the workpiece as it is clamped in the clamping members, said center locating and punching means comprising a body removably secured to one end of said bushing and in axial alignment therewith, and a center locating and punching pin normally projecting through said bushing and second clamping member for engagement with the workpiece but retractable in the body as the workpiece is clamped in the support.

2,418,957
KNITTED GLOVE AND MAKING SAME

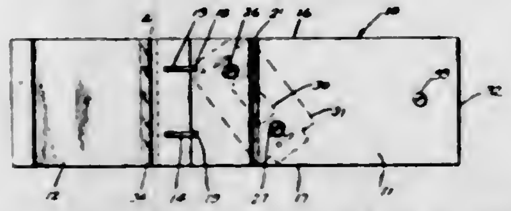
Eric Simmat, Wyomissing Hills, Pa., assignor to The Nolde and Horst Company, Reading, Pa., a corporation of Pennsylvania
Application September 12, 1945, Serial No. 615,726
3 Claims. (Cl. 66—174)



1. The method of making a seamless tubular glove, which consists in knitting to the wrist portion thereof a partial section of a tubular hand portion having a fashioned side edge angularly widening from its wrist-end connection to a laterally-extending upper end, knitting a tubular thumb portion to said laterally extending upper end, knitting a continuing tubular section to said hand portion not connected to said thumb tube portion and fashioning the upper end of said tubular continuing section into finger-connecting divisions in a stepped relation at a varied transverse level, then adding in sequential order separate finger tube portions to said respective finger divisions, and completing the glove by a drawstring tied engagement of the upper loops of each finger and thumb tube to close together their top ends.

2,418,958
BLADE CHOPPER

Herman Stock, New York, N. Y.
Application February 5, 1945, Serial No. 576,163
2 Claims. (Cl. 29—66)

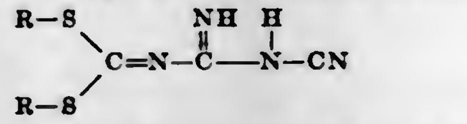


1. A chopper for use in severing a razor blade of the double edge type, comprising: an elongated base having a transverse groove, a trough substantially U-shaped in section disposed within said groove, the upper edges of said trough being substantially flush with the upper surface of the base; a pair of locating pins projecting from said base, located on opposite sides of said trough, and laterally offset in opposite directions from the longitudinal axis of the base so as to position the razor blade diagonally with respect to the trough; a cover substantially coextensive with the base and pivotally connected at one end thereof to said base, overlying said blade when the latter is in position on said locating pins; a blade severing element projecting downwardly from the bottom surface of the cover and adapted in one position thereof to clear said trough and in another position to lie within the trough between the vertical portions thereof; and means disposed between the cover and the base to prevent the severing element from contacting the bottom of the trough; whereby downward pressure on the cover breaks the razor blade along the line of contact of the blade severing element therewith, the severed parts being retained in position by the cover.

2,418,959
ESTERS OF ω-CYANOGUANYLIMINODITHIOCARBONIC ACID

Jack T. Thurston and Donald W. Kaiser, Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application December 20, 1943, Serial No. 514,986
12 Claims. (Cl. 260—551)

1. Compounds having the general formula

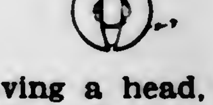


in which R is a member of the group consisting of alkyl and aralkyl radicals.

8. A method of preparing compounds of the group consisting of dialkyl and diaralkyl esters of ω-cyanoguanyliminodithiocarbonic acid which comprises the step of mixing together a member of the group consisting of alkyl halides, aralkyl halides, alkyl sulfates and aryl sulfonic alkyl esters with a compound of the group consisting of alkali metal and alkaline earth metal salts of ω-cyanoguanyliminodithiocarbonic acid.

2,418,960
SELF-CENTERING SCREW

William L. Todd, Fort Thomas, Ky.
Application March 8, 1945, Serial No. 581,608
2 Claims. (Cl. 85—45)

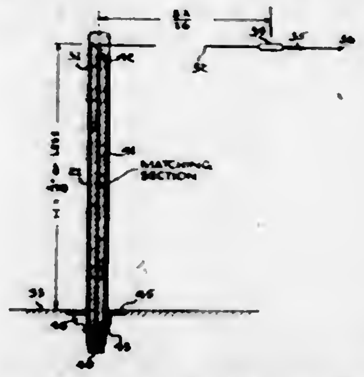


1. A screw having a head, said head having a groove open at its ends at each side of the head so as to be available for an ordinary screw driver, said groove having a central portion wider than its ends and symmetrically tapering to the said ends, for use with a special driver having a blade developed to be alike to the groove, whereby a self-centering of the driver will be obtained, said groove being developed from arcs substantially coinciding where they intersect the ends of the groove, but having centers 180 degrees apart with reference to the screw head.

2,418,961
BROAD BAND ANTENNA FOR AIRCRAFT

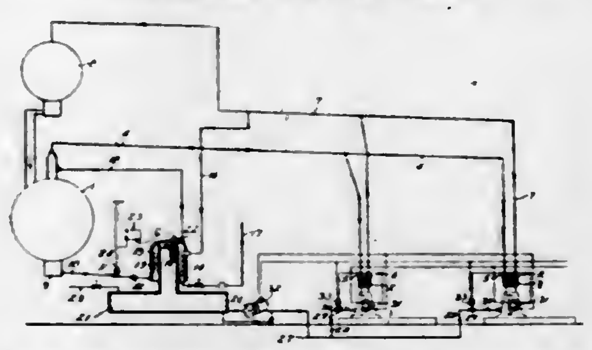
Robert Stephen Wehner, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application August 1, 1944, Serial No. 547,549
19 Claims. (Cl. 250—33)

1. An inverted-L antenna having an over-all length of the order of one-quarter of the operating wavelength, the vertical portion of said antenna including an outer shell surrounding an inner conductor, said inner conductor being extended to form the horizontal portion of said antenna, and transducer means coupled to the lower end of the vertical portion of said antenna.



2,418,962
OIL SEPARATOR IN REFRIGERATION SYSTEMS

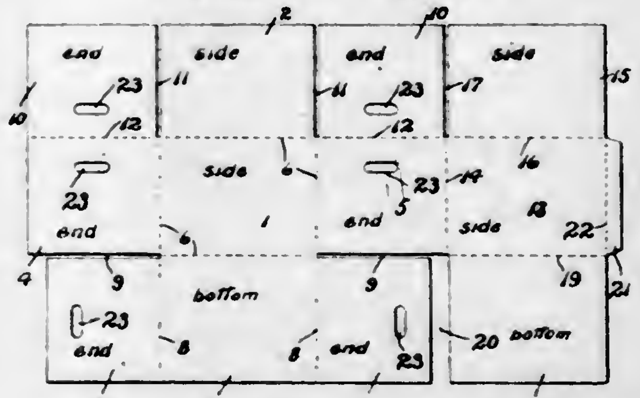
Joseph R. Zwickl, East Orange, N. J., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware
Application June 6, 1945, Serial No. 597,742
7 Claims. (Cl. 62—115)



1. In a refrigerating system including a compressor and an evaporator and a condenser and wherein a refrigerant is evaporated compressed and condensed to provide refrigeration, an oil separator, means for delivering mixed refrigerant liquid and oil from the evaporator to said separator, and means controlled by the temperature of the mixture of separated oil and residual refrigerant in the separator for controlling the delivery of mixed refrigerant and oil to the separator.

2,418,963
REINFORCED RECEPTACLE

Wilbur G. Anderson, Jr., Grand Rapids, Mich., assignor to American Box Board Company, Grand Rapids, Mich., a corporation of Michigan
Application April 9, 1945, Serial No. 587,269
4 Claims. (Cl. 229—37)

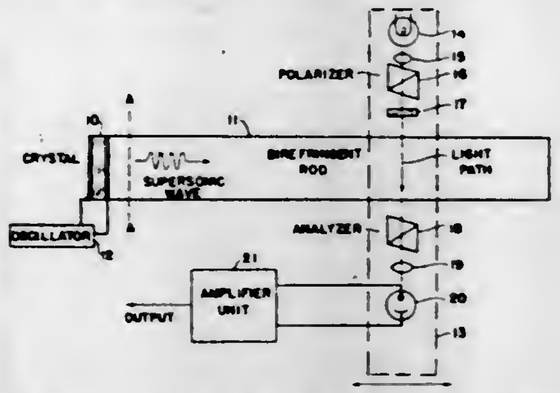


1. A receptacle of paper board or like material made from a single sheet of such material of substantially rectangular form having a central lon-

gitudinal zone with an end and a side section, and an end, and a side section in the order named, in alinement longitudinally of the blank, with transverse scored lines in the blank between said sections for folding, said zone at one side edge having alternate end and side sections extending laterally therefrom with scored lines between said lateral section and the side edge of said zone, said blank being transversely slotted to said last mentioned scored line between said laterally extending sections, said blank at the opposite side edges thereof having a bottom laterally extended section integral with the first mentioned side section and scored for folding between said sections, said bottom section at its ends having oppositely extending end sections with scored lines between said last mentioned end sections being separated from said zone by horizontal slots and the last mentioned side section of said zone having a second bottom section extending laterally therefrom and connected integrally to the adjacent side section of the zone, the material being scored between them, said blank having a slot therein between the inner free edge of said last mentioned bottom section and the adjacent end section.

2,418,964
ELECTROMECHANICAL APPARATUS

David L. Arenberg, Boston, Mass., assignor, by mesne assignments, to the Government of the United States of America, as represented by the Secretary of War
Application July 9, 1945, Serial No. 604,046
14 Claims. (Cl. 161—15.2)

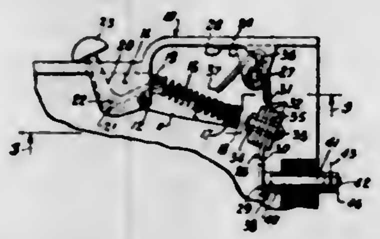


1. In a supersonic wave translation device for measuring the time duration of a second pulse with respect to a reference pulse, a source of pulses, mechanical vibratory means into which is fed the pulses, said vibratory means oscillating when said pulses are sent into it, a birefringent medium into which is coupled said vibratory means, the vibration of said vibratory means causing a vibration wave to travel down said birefringent medium and to cause an instantaneous change in the polarization properties thereof in the volume thereof instantaneously affected by said vibration wave, a source of polarized light, and a polarization detector for detecting the variation in angle of polarization of said polarized light caused by said light passing through said birefringent medium at the point affected by said vibration wave.

2,418,965
SNAP SWITCH

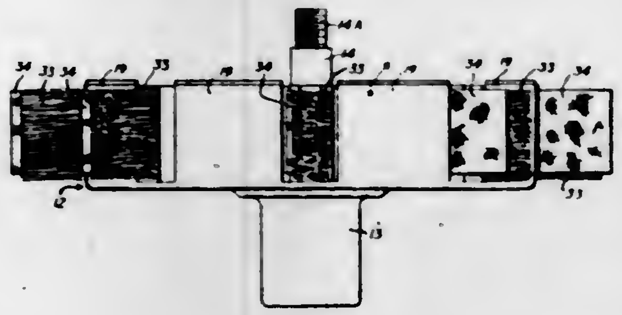
Gerhardt Blair, New York, N. Y.
Application March 6, 1943, Serial No. 478,178
3 Claims. (Cl. 200—67)

1. In an electric switch, a frame, a terminal insulatedly mounted in said frame, a contact arm comprising a contact suited for electric make and break connection with said terminal, a lever provided with one supporting arm upon which said contact is mounted, with pressure means reacting upon said frame and applying a torque to said lever which normally presses said contact into abutment with said terminal, and with another arm which extends from said one supporting arm substantially opposite to the direction in which said contact is pressed onto said terminal, a hammer arm spaced from said lever but adapted to be snapped onto said other arm thus swinging said lever counter to said torque into an open switch position in which said contact is removed from said terminal, and a manually controlled mechanism releasably engaging said lever in said open switch position.



2,418,966
SANDING DRUM

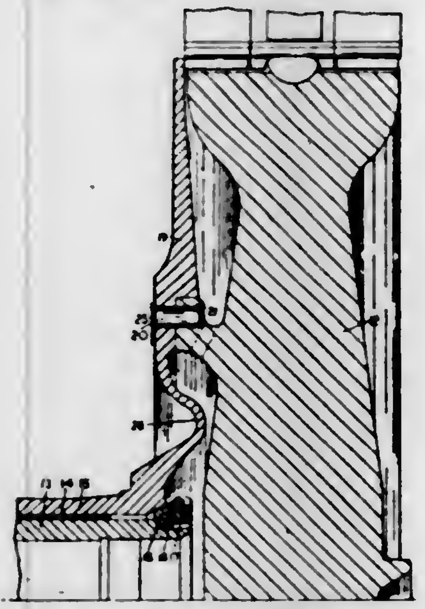
Teofil L. Bonkowski, Los Angeles, Calif.
Application November 23, 1944, Serial No. 564,799
7 Claims. (Cl. 51—194)



1. A rotatable sanding device comprising a drum consisting of a back plate adapted to be mounted upon a drive shaft, a removable front plate forming a cover for the drum and a uniformly perforated peripheral wall extending between the front and rear plates, a spindle positioned axially of the drum, a reel journaled for rotation on the spindle and slidably mounted thereon whereby said reel may be both rotated independently and slid axially of said drum, indexing means positioned concentrically with respect to the spindle and adapted to cooperate with complementary indexing means carried by the reel to hold the reel from independent rotation on the spindle when the reel is slid axially to its locked position, the reel extending through an axial opening in the front plate, releasable clamping means exterior to the front plate and adapted to cooperate with the spindle for maintaining said indexing releasable means in engagement to thereby maintain said reel in locked position, a plurality of abrasive strips wound on the reel and extending through the perforations in the peripheral wall of said drum, and said clamping means being releasable to permit sliding movement of said reel and resulting disengagement of said cooperating indexing means whereby said reel may be slid axially of the drum from its locked position and then rotated to feed said abrasive strips outwardly of the drum.

2,418,967
MOUNTING OF WHEELS

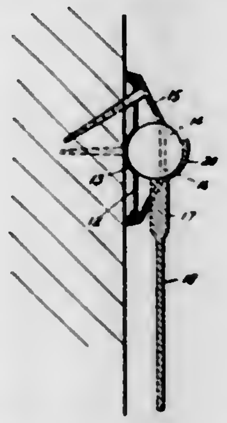
Thomas Clark, Coventry, England, assignor to Armstrong Siddeley Motors Limited, Coventry, England
Application March 6, 1944, Serial No. 525,229
In Great Britain October 7, 1943
3 Claims. (Cl. 253—39)



1. In combination, a shaft, a hub portion fast on said shaft, a radially-extending flange connected to said hub portion by an annular portion of wavy form to provide slight flexibility in a radial direction, a turbine wheel having on one side an integral radially-extending flange positioned approximately half way between the centre and the periphery of the wheel, said first-mentioned flange having an annular recess radially-outwardly of said wavy annular portion in which said wheel flange is a good spigot fit, and means securing said flanges together.

2,418,968
INTERLOCKED BRACKET AND SUPPORT

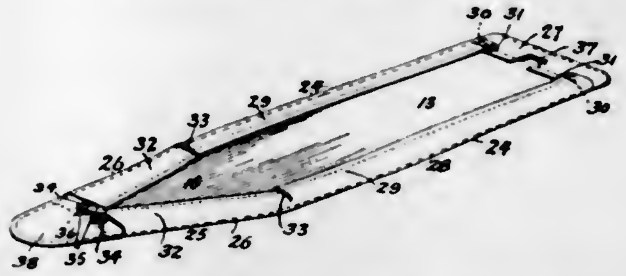
Frank Crouch, Rockport, Mass.
Application October 23, 1945, Serial No. 624,035
2 Claims. (Cl. 248—223)



1. Support means comprising a bracket having two surfaces separated to receive a ball between them, one of said surfaces being cut away to permit a portion of said ball to project outwardly of said cut away surface, said cut away surface also having a slot extending radially from the cut out through which the ball projects, a member to be supported, a ball connected with said member and rotatably engaged between said surfaces and protruding through said cut out, and a projection on said ball adapted in one position of the ball to seat in said slot and to thereby limit rotation of said ball from one position of the ball while permitting rotation of the ball in a plane 90° removed from said first plane.

2,418,969
COVERING FOR THE BOARD OF IRONING TABLES

Samuel A. Di Gesare, Buffalo, N. Y.
Application October 13, 1944, Serial No. 558,553
4 Claims. (Cl. 38—140)



1. A cover for a flat ironing board having a body which is relatively wide and having a neck which tapers lengthwise toward the front end of the body, comprising a blanket having a body adapted to extend over the body and neck of the ironing board, a rear pocket arranged on the rear end of the blanket body and adapted to receive the rear end of the board, a front pocket arranged on the front end of said blanket body and adapted to receive the front end of said neck, longitudinal side flaps arranged on the longitudinal edges of the blanket body intermediate said pockets and adapted to fold around the longitudinal edges of the ironing board, fastening means for detachably connecting the rear ends of said longitudinal flaps with said rear pocket, oblique tabs arranged on the front ends of said longitudinal flaps and each extending diagonally forwardly and inwardly relative to the longitudinal axis of the blanket, and fastening means for detachably connecting each of the tabs with the front pocket of the blanket body.

2,418,970
PROCESS OF ELECTROLYTICALLY DEPOSITING IRON AND IRON ALLOYS

Louis J. Donroe, Irvington, N. J., assignor to Pyrene Manufacturing Company, Newark, N. J., a corporation of Delaware
No Drawing. Application September 5, 1942, Serial No. 457,453
3 Claims. (Cl. 204—43)

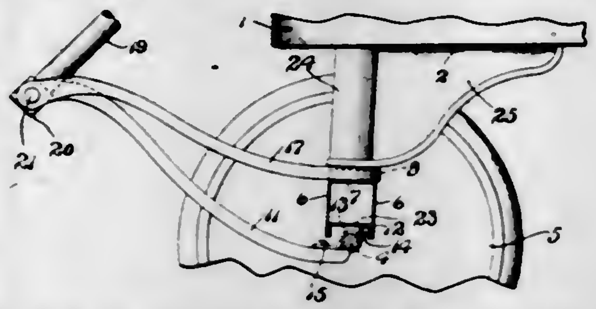
2. The process of electrolytically depositing iron and iron-nickel alloys which comprises electroplating through a solution containing ferrous sulfate where iron alone is deposited and ferrous sulfate and nickel sulfate where iron-nickel alloy is deposited, free sulfuric acid in an amount equivalent to from about 0.5 cc. to about 5 cc. per gallon of 66° Bé. acid, and a reducing agent consisting of zinc hyposulfite in an amount sufficient to reduce any ferric iron in the solution to the ferrous state.

2,418,971
WAGON CONSTRUCTION

Thomas I. Duffy, Grand Haven, Mich., assignor to Anderson-Bolling Mfg. Co., Grand Haven, Mich., a corporation of Michigan
Application February 28, 1945, Serial No. 580,140
11 Claims. (Cl. 280—87.01)

1. In a structure as described, a wagon body, a sheet metal bracket secured to the under side of the body adjacent its front end having, a substantially vertical cylindrical forward portion and wings extending rearwardly therefrom, said wings provided with flanges at their upper edges secured to the upper side of the body, a block secured in the upper end portion of the cylindri-

cal part of the bracket, an anti-friction bearing located in the lower end thereof, a bolster of sheet metal of inverted substantially channel form located transversely of the lower end of said bracket, a supporting member carried substantially midway between the ends of said bolster at the lower part thereof, a kingpin secured to said member extending through the upper side of the bolster, the anti-friction bearing and said block, releasable securing means connected with the upper end of said kingpin, a horizontal axle having wheels at its ends extending lengthwise of and at the lower portion of said bolster, means for securing said bolster to the axle, and a tongue structure connected with said bolster and extending forward therefrom, as specified.



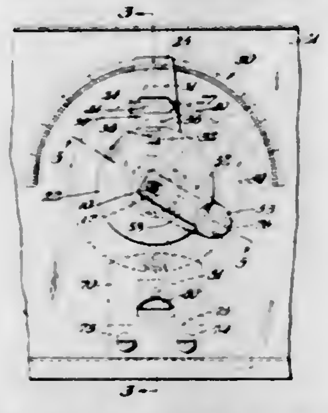
2,418,972

FREQUENCY SELECTOR AND CALIBRATOR

Paul Stead Gay, Charlotte, Mich., assignor to Wilcox-Gay Corporation, Charlotte, Mich., a corporation of Michigan

Application March 19, 1943, Serial No. 479,724

11 Claims. (Cl. 74—10)



1. A tuning device for radio apparatus comprising a rotatable shaft, a member rotatably journalled on said shaft, lock engaging means carried by said rotatable member, and means for selectively connecting said rotatable member to said shaft for rotation therewith, and a locking member selectively engageable with said journalled member and disengageable therefrom, said journalled member comprising a disk, said lock engaging means comprising an opening in said disk and said locking member comprising a stud movable into engagement with the surface of said disk at a radial distance from the center thereof equal to the radial distance of the opening in said disk from the center thereof.

2,418,973

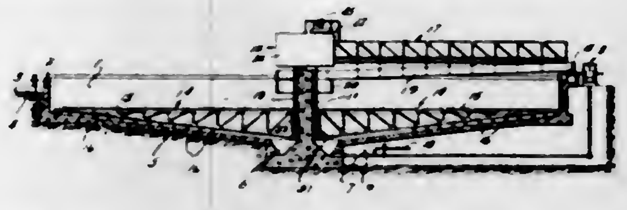
THICKENER

Harlowe Hardinge, York, Pa., assignor to Hardinge Company, Inc., York, Pa., a corporation of New York

Application February 18, 1942, Serial No. 431,438

5 Claims. (Cl. 210—55)

1. Apparatus for treating liquid containing solids comprising a tank for the reception of a mixture of liquid and solids, a support mounted for rotary and vertical movement within the tank, blade members carried by the support and adapted to impart motion to said solids in the tank, a rotary driving member mounted for rotation coaxially with the support and in a fixed plane perpendicular to the axis of rotation of the support, means for actuating the driving member, push rods flexibly connecting the driving member and support, said push rods being inclined upwardly from the plane of rotation of the driving member and in the direction of rotation thereof for imparting a lifting force to the support to raise the same and the bladed members when an overload of solids is imposed on the latter.



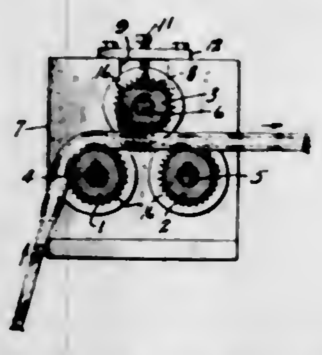
2,418,974

METHOD AND APPARATUS FOR FORMING FLEXIBLE TUBES

Nelson R. Henry, Atlanta, Ga.

Application August 24, 1944, Serial No. 551,044

7 Claims. (Cl. 18—10)



2. An apparatus for shaping and sizing continuous lengths of pre-formed woven fiber and the like tubing comprising a frame, a pair of parallel, radially spaced, grooved feed rolls journalled therein, a third grooved roll journalled in the frame above said pair and intermediate therebetween, the third roll cooperating with the pair of rolls to engage and move longitudinally the tubing therebetween and the grooves of the pair of rolls combining with the grooves in the third roll to define substantially the desired exterior size and shape of the tubing, an elongated mandrel adapted to be inserted in the tubing and to be positioned between the third roll and the pair of rolls and lying within the grooves thereof, said mandrel having a cross-section substantially defining the desired interior size and shape of the tubing, and said mandrel having a straight portion of sufficient length to overlie said pair of rolls and a bent end whereby the mandrel is prevented from being drawn between the rolls as the tubing is moved therebetween.

2,418,975

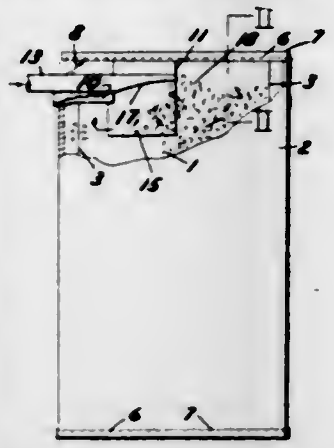
VALVE CLOSURE FLAP

Harold M. Johnson, Toledo, Ohio

Application October 5, 1944, Serial No. 557,265

1 Claim. (Cl. 229—62.5)

An improvement in valve bags having an intake valve of foldable collapsible type comprising a flap secured to one side only of the collapsed valve on the bag side thereof and extending beyond and below the open inner end of the valve, said flap being also secured at its upper end to the bag adjacent the upper end of the valve and the closed end of the bag and being otherwise unsecured, the flap terminating in a free edge below the folded valve in collapsed condition and also terminating in a free edge beyond the inner open end of the valve, whereby the flap is adapted to lie flat against the valve in operative position and aid in sealing the valve opening.



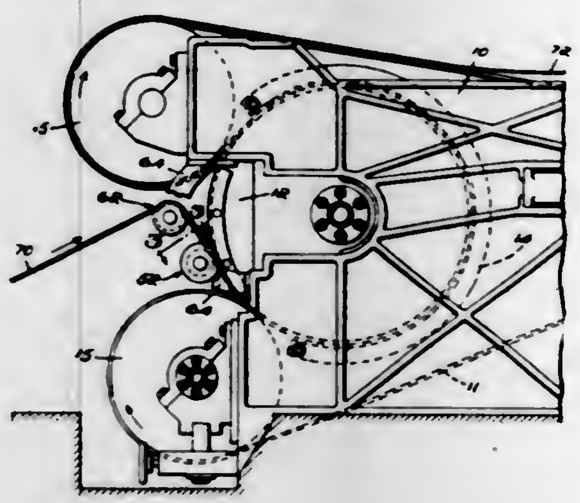
2,418,976

METHOD AND APPARATUS FOR VULCANIZING STRIP MATERIAL

Grosvenor D. Marcy, Newton Highlands, Mass., assignor to Boston Woven Hose & Rubber Company, Cambridge, Mass., a corporation of Massachusetts

Application November 16, 1944, Serial No. 563,671

8 Claims. (Cl. 18—6)



3. A machine for shaping and vulcanizing belting or the like, comprising a vulcanizing cylinder having a channel extending continuously therearound and bounded on three sides by a bottom wall and side walls, a roller disposed parallel with and spaced from the cylinder and having a cylindrical portion in alignment with but wider than the channel and end flanges, the roller being adapted to hold belting in alignment with and direct it to the channel along a substantially straight path, a second roller disposed parallel with and adjacent to the cylinder at said path, and having an intermediate portion for engaging the belting and end portions tapering outwardly to greater diameter and cooperating with the side walls for engaging the marginal portions of the belting and bending them inwardly toward the channel whereby narrowing the width of the belting and directing said marginal portions into the channel, the second roller being so located that it does not substantially distort the body portion of the belting from said straight path, and a tension band passing around the cylinder and forming a bite therewith, the band being arranged to crowd the bulging portion of the belting into the channel at and forwardly of said bite and provide a closing top wall for the channel during the passage of the belting therewith through a predetermined vulcanizing path, the first named roller and said bite being at opposite ends of said straight path.

2,418,977

PRODUCTION OF BROMOPYRIDINES

Samuel M. McElvain and Melvin A. Goese, Madison, Wis.

No Drawing. Application June 2, 1943, Serial No. 489,386

8 Claims. (Cl. 260—290)

1. The process of producing 3-bromopyridine and 3,5-dibromopyridine, which consists in putting liquid bromine and solid pyridine hydrochloride together, heating the mixture at atmospheric pressure first to about 160° C. and then to about 195–200° C. until at each of those temperatures the evolution of hydrogen chloride practically ceases, and then heating the mixture further at diminished pressure to distil from the reaction mixture 3,5-dibromopyridine and 3-bromopyridine, with the latter condensing in the form of its hydrochloride.

2,418,978

METHOD FOR HARDENING OF POLYMERS

Willi Mertens, Berlin-Zehlendorf, Germany; vested in the Attorney General of the United States

No Drawing. Application April 14, 1938, Serial No. 202,011. In Germany April 15, 1937

2 Claims. (Cl. 260—42)

1. The method of producing electrically insulating articles which comprises the steps of preparing a homogeneous mixture consisting of 7 parts of polyisobutylene with 3 parts of a mixture consisting of styrene plus 1% of paradivinylbenzol, and applying heat until the substance thus produced has a soft-rubber-like character.

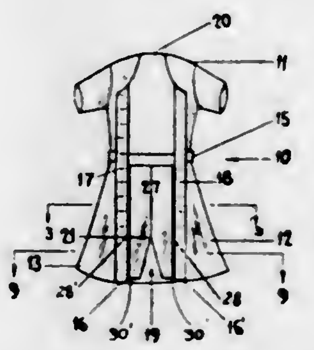
2,418,979

CONVERTIBLE ATHLETIC GARMENT

Louis Mintzes, Brooklyn, N. Y., assignor of one-half to Mil-Art Sportswear Co., Brooklyn, N. Y.

Application August 30, 1943, Serial No. 500,726

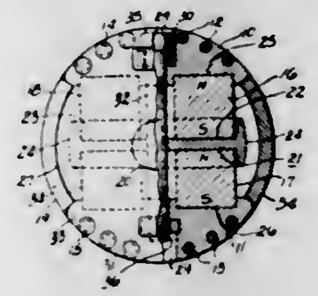
1 Claim. (Cl. 2—71)



In a two-piece convertible athletic garment having front and rear openings at its lower portion to permit unrestricted leg movements, an outer garment member having a removable inner garment member, said inner garment member having a waist line and front and rear body portions separable at the waist line and having removable connecting means at said waist line, whereby said inner garment may be separately worn as an outer garment member, said openings being defined by side edges, said inner garment being bifurcated and forming leg members, said inner garment having an inseam, the lower end portions of said leg members comprising fabric extending from the lower boundary and terminating substantially at the hips, said inner garment having strips of fastening elements secured thereto in vertically parallel relation and extending substantially from the waist to the bottom edge thereof, said outer garment having concealed inward extensions at the front and rear midportions thereof, said extensions being joined at the central portion of said outer garment and facing in opposite directions, said extensions starting substantially at the waist line and terminating above the bottom edge of said outer garment, one of said front and one of said rear extensions having its upper end attached to said garment by concealed securing means, one of said front and one of said rear extensions being foldable and having means for detachably securing its upper end, respectively, to said garment, said garment fabric having concealed securing means complementary to said securing means at the upper ends of said extensions, whereby said detachably secured foldable front and rear extensions may be folded over and secured substantially all along their lengths in superposed relation with said secured extensions to close said openings, thereby converting said athletic garment with front and rear openings into a skirt-form garment with a marginally intact bottom.

2,418,980
DYNAMOELECTRIC MACHINE ROTOR ASSEMBLY

Wayne J. Morrill, Fort Wayne, Ind.
Application December 22, 1944, Serial No. 569,311
13 Claims. (Cl. 171—209)



1. A rotor for a dynamo-electric machine, said rotor comprising in combination, a first core of magnetic material having a short circuited distributed winding carried thereby, a second core of magnetic material having a short circuited distributed winding carried thereby, said cores having opposed faces, permanent magnet means having north and south poles disposed between said opposed faces of the cores with the north pole positioned adjacent the opposed face of one of said cores and the south pole positioned adjacent the opposed face of the other said core, said permanent magnet means providing a space extending from one core to the other, a shaft having an intermediate portion upon which the permanent magnetic means is mounted, means in said space and engaging the said cores for pressing the opposed faces of the said cores upon the poles of the permanent magnetic means, and heavy short circuited winding means surrounding the permanent magnet means intermediate said cores.

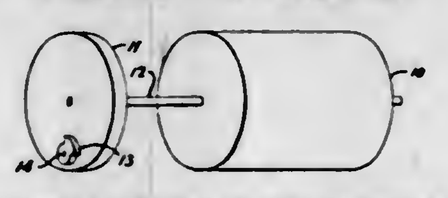
2,418,981
METHOD OF PRODUCING TANNING MATERIALS FROM WASTE SULFITE LIQUOR

Oskar A. Müller, Zurich, Switzerland
No Drawing. Application December 16, 1943, Serial No. 514,565. In Switzerland January 28, 1942
3 Claims. (Cl. 260—124)

1. The method of producing tanning materials substantially free from chlorine, comprising the steps of treating sulphite cellulose waste lye containing organic material with chlorine in an amount of 10 to 30% of the dry content of organic material present in the lye so that no precipitation of chlorinated product occurs, and hydrolyzing the chlorinated material by heating with an alkaline hydroxide until substantially the whole organically combined chlorine is eliminated again.

2,418,982
ROCKING MIXER

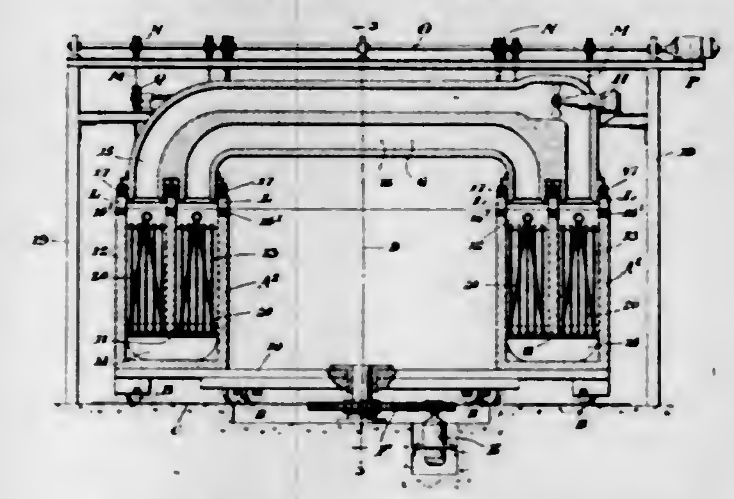
John C. O'Connor, Dayton, Ohio
Application June 9, 1944, Serial No. 539,586
7 Claims. (Cl. 259—72)



1. In a device of the class described, in combination, a torsionally resilient shaft, a material contacting member secured to said shaft, a force transmitting member secured to said shaft in spaced relation to said material contacting member, an eccentrically loaded shaft journaled in said force transmitting member remote from said shaft, and means for rotating said eccentrically loaded shaft.

2,418,983
RECUPERATIVE HEAT-TREATMENT FURNACE

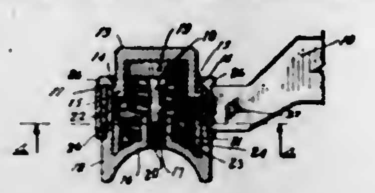
Roy Dalliba Palmer, Montreal, Quebec, Canada, assignor to Aluminum Laboratories Limited, Montreal, Quebec, Canada, a corporation of Canada
Application August 15, 1944, Serial No. 549,578
In Canada September 22, 1943
10 Claims. (Cl. 263—17)



1. A heat treatment furnace comprising a group of uniformly spaced chambers movable about their vertical axis to bring them successively to fixed operating positions, said furnace comprising a loading and unloading position, a heating position and intermediate recuperating positions, a canopy member having ducts designed to register with the chambers in recuperating positions and having means for circulating gas through the ducts, a heating chamber designed to register with the furnace chambers in the heating position, and vertically movable sleeves designed to form a connection between the canopy member and heating chamber and the appropriate furnace chambers.

2,418,984
TOOL FOR PUNCHING METAL ROOFING

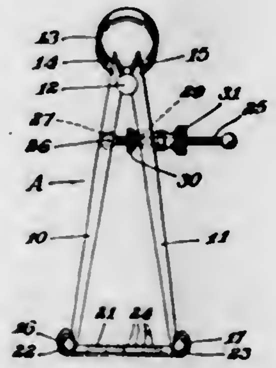
Ernest Payne, Denver, Colo.
Application November 5, 1945, Serial No. 626,823
3 Claims. (Cl. 164—119)



1. A tool for punching holes in the ridges of sheet metal roofing comprising: a cup member; a concavity in the bottom of said member extending diametrically thereof for receiving the roofing ridges; a punch member within said cup member extending through a guide opening in the bottom thereof at the apex of said concavity; spring means for supporting said punch member, said punch member being adapted to be driven downwardly by the blow from a striking tool; and a plurality of laterally extending metal cutting ridges positioned around the point of said punch member for splitting the edge of the opening formed thereby.

2,418,985
PROPORTIONING DEVICE

Carl A. Posey, St. Paul, Minn.
Application June 10, 1943, Serial No. 490,264
1 Claim. (Cl. 33—137)



A proportional divider comprising a pair of arms connected together at one end, said arms having free ends movable toward or away from each other, a flat resiliently extensible band having gage marks thereupon extending between said free ends, enlarged ends on said band, transverse substantially cylindrical sockets at the ends of said arms for receiving the enlarged ends of said band, and slots in said sockets through which the band may extend.

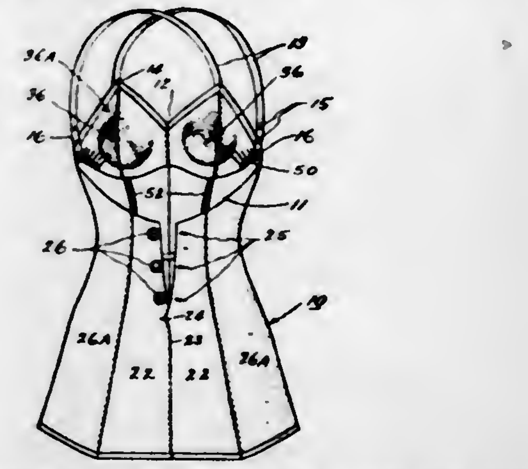
2,418,986
GERMICIDAL SOLUTIONS OF PHENYL MERCURY COMPOUNDS

Guy Rampel, New York, N. Y.
No Drawing. Application December 29, 1943, Serial No. 516,118
1 Claim. (Cl. 167—19)

A composition of matter containing approximately the following proportions of ingredients: 3 parts by weight phenyl mercury acetate, 50 parts by volume diethylene-glycol-monoethylether, 0.7 part by volume lactic acid, 0.8 part by volume ammonia and sufficient water to produce the desired dilution of the composition.

2,418,987
GARMENT

Rose Marie Reid, Boise, Idaho
Application September 4, 1944, Serial No. 552,688
In Canada November 8, 1943
4 Claims. (Cl. 2—67)



1. In a garment including a bust-covering portion in part defined by a side edge adapted to pass under the arm, an inside brassière fastened at the top to the top edge of said bust-covering portion and fastened at the side to said side edge in its under-arm portion, said brassière being otherwise free of the garment, said brassière having its lower edge scalloped to present a curved edge portion under each breast, a relatively short elastic member forming a portion of said curved edge and being fastened at its outer end to said side edge, fasteners secured to each said side edges adjacent the outer end of said elastic portions, and shoulder straps from said bust-covering portion adapted to cross one another across the back and co-operating with said fastener to apply tension to said elastic portion.

2,418,988
REMOVAL OF MUCK FROM WASH OIL

Daniel K. Segur, Buffalo, N. Y., assignor to Donner-Hanna Coke Corporation, Buffalo, N. Y., a corporation of New York
No Drawing. Application August 30, 1944, Serial No. 552,015
9 Claims. (Cl. 196—15)

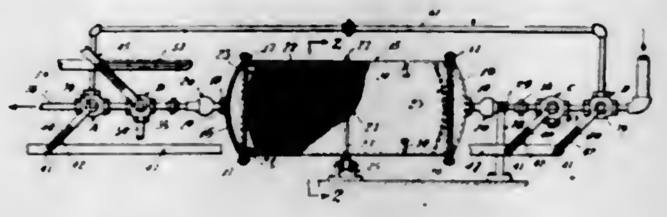
1. The method of treating wash oil which has been employed in scrubbing gases to recover light oils, the wash oil having in such use assimilated adulterants of the nature of styrene, indene and cyclopentadiene and which are polymerizable, which method consists in adding caustic soda to the wash oil, heating the mixture for a period of at least several hours, agitating the mixture during a portion of the heating period, and separating the adulterants which are polymerized by the treatment described.

2,418,989
FILTER COMPRISING A REVOLVABLE DRUM CONTAINING A MASS OF LOOSE FILTER MATERIAL

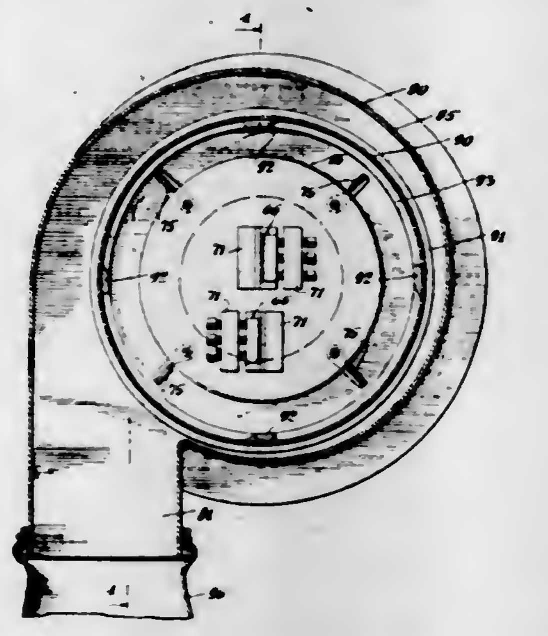
Marion E. Shandor and Ralph Donath, Pittsburgh, Pa.; said Donath assignor to said Shandor
Application December 13, 1943, Serial No. 514,020
5 Claims. (Cl. 210—137)

1. A liquid purifier rotatably interposed in a waterline comprising a cylindrical casing having

flanged ends; detachable end-members for said flanged end; liquid supply pipes at one end of said detachable end members and liquid discharge pipes at the other end of said detachable end members; each of said members provided with a centrally disposed rotatable fluid-tight joint; rough ball baffles in said casing and means for compactly retaining said baffles in said casing, said means positioned below the flanged ends of said casing thereby permitting the cylindrical casing, including the ball baffles, to be removed from said end members without detaching same from the waterline.



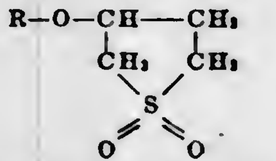
2,418,990
COMBINED CHIPPING MACHINE AND IMPACT MILL
William M. Sheldon, Elizabeth, N. J., assignor to Pulverizing Machinery Company, Summit, N. J., a corporation of New Jersey
Application January 29, 1944, Serial No. 520,151
1 Claim. (Cl. 241—50)



A machine for comminuting tough and ductile material, comprising a high-speed rotary cutter head, a plurality of cutting tools extending from the face of the cutter head, each tool being formed with a grooved cutting face, a billet holder for holding a billet of tough and ductile material in such position with relation to the axis of rotation of the cutter head that its entire end is swept by one or other of the tools to produce curls of the material forming the billet, means for feeding the billet holder toward the cutter head, a plurality of beater blades rotating at high speed in a path around the cutter head and concentrically with respect thereto to break up the curls into fine chips, such blades being located in the path of such curls when thrown outwardly by the centrifugal force resulting from the rotation of said head and the tools carried thereby, and a circular partition mounted concentrically with respect to said cutter head surrounding the beater blades, at least part of said partition being a screen to hold back the curls but pass the chips.

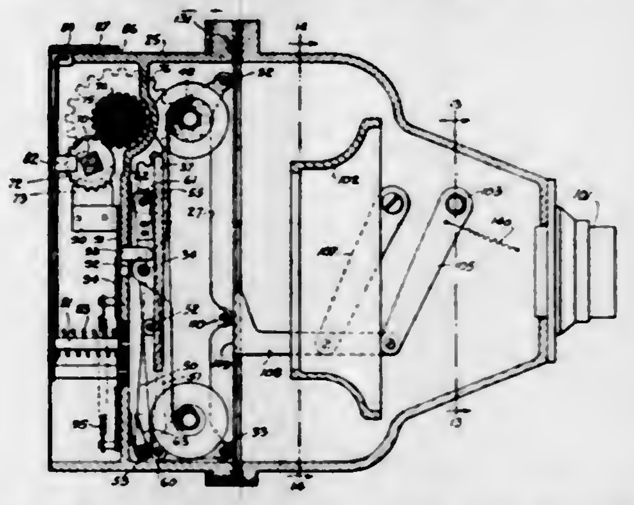
2,418,991
POLYMERS OF UNSATURATED DERIVATIVES OF 3-SULFOLANOL
Edward C. Shokal, Oakland, and Rupert C. Morris, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application August 19, 1943, Serial No. 499,286
6 Claims. (Cl. 260—79)

1. A resin comprising a polymer of an ether of 3-sulfolanol, which ether has the structural formula:



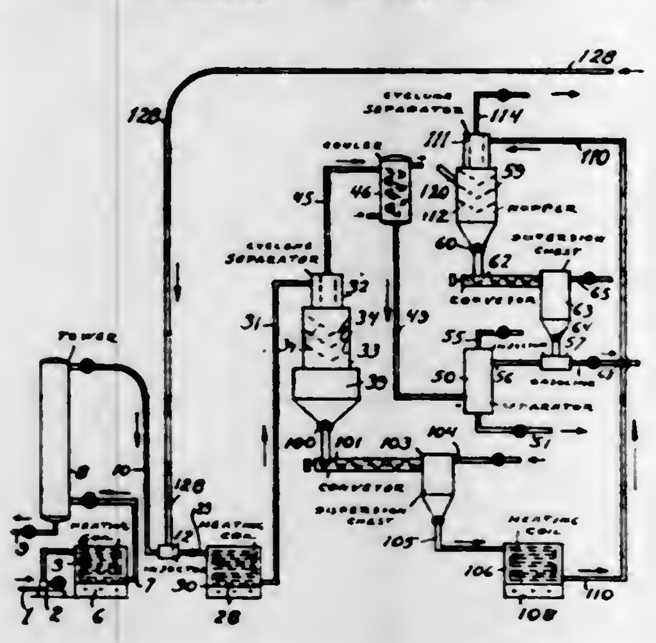
wherein R is an alken-2-yl radical of 3 to 18 carbon atoms.

2,418,992
PHOTOGRAPHIC CAMERA WITH MOVABLE FILM CARRIER
Alfred Simmon, Jackson Heights, N. Y., assignor to Simmon Brothers Inc., Long Island City, N. Y., a corporation of New York
Application June 3, 1946, Serial No. 674,116
4 Claims. (Cl. 95—31)



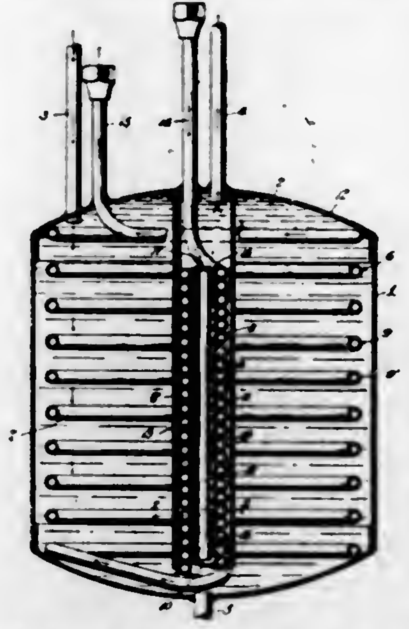
1. A camera with a detachable roll film magazine, said magazine comprising a housing containing a movable film carrier and film advancing means, said film carrier supporting a film storage spool, a take up spool, and a substantially flat film backing plate, said film advancing means comprising a manually rotatable shaft driving a cam and a train of gears, said camera comprising a housing containing an aperture plate and a system of levers, said system of levers, when said magazine is attached to said camera, being actuated by said cam and adapted to shift said film carrier into a forward position for an exposure, and into a rearward position for film winding, in the forward position the film being sandwiched between said film backing plate and said aperture plate, and said take up spool being out of operative engagement with said train of gears, in the rearward position the film being out of contact with said aperture plate, and said take up spool being in operative engagement with said train of gears, said movable film carrier, when said magazine is detached from said camera, adapted to assume a rearward position identical with the one described above, and an extreme forward position in which the film spools may be exchanged with convenience, said extreme forward position being farther forward than the above mentioned forward position of the film carrier when the magazine is attached to the camera, the housing for said magazine having two compartments, a rear compartment containing the train of gears of said film advancing means with the exception of the last gear, and a front compartment containing said last gear, said movable film carrier, and a lazy tong assembly supporting said film carrier and permitting it to move forwardly in the direction of the axis of the camera lens, said lazy tong assembly comprising two parallel sets of a first lever and of a second lever each, a first shaft having one end of each of said first levers fastened to it, said first shaft rotatably supported within the front compartment of said housing, the other end of each of said first levers adapted to slide in contact with said film carrier in a direction at right angles to the axis of the camera lens, and the center of each of said first levers pivotally connected to the center of the corresponding second lever, one end of each of said second levers rotatably connected to said film carrier, and a second shaft having the other end of each of said second levers connected to it, said second shaft adapted to slide in contact with said housing in a direction at right angles to the axis of the camera lens.

2,418,993
PROCESS FOR MAKING AN IMPROVED GASOLINE
William J. Sweeney, Summit, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Continuation of application Serial No. 349,434, August 2, 1940. This application December 28, 1944, Serial No. 570,195
2 Claims. (Cl. 196—52)



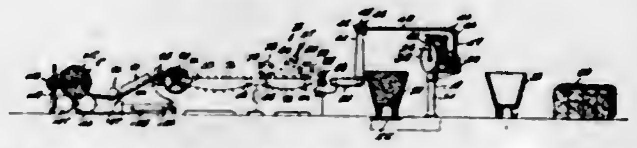
1. A continuous method for the production of gasoline of high octane number and low degree of unsaturation which comprises vaporizing a gas oil, adding a powdered cracking catalyst to said vapors to form suspension of catalyst in said vapors, passing said suspension through a first cracking zone at a temperature between 800° and 950° F., separating the catalyst from the cracked products and regenerating the same, fractionating the said products to recover a gasoline fraction, adding said regenerated catalyst to said gasoline fraction to produce a suspension of said catalyst in said vapors, passing said suspension through a second cracking zone at a temperature up to 850° F., removing a suspension of catalyst in cracked products from said cracking zone, separating the catalyst from said cracked products and mixing the same without regeneration with the gas oil fed to said first cracking zone as the sole cracking catalyst used therein.

2,418,994
WATER-COOLING APPARATUS
Halsey W. Taylor, Warren, Ohio, assignor to The Halsey W. Taylor Company, Warren, Ohio
Application April 27, 1945, Serial No. 590,701
3 Claims. (Cl. 62—141)



1. An apparatus for cooling liquid comprising a chambered body having a top and a bottom, a cooling coil providing a refrigerant circulating passage, said cooling coil comprising inner and outer tiers of convolutions submerged within said chambered body, a hollow member having its upper end secured to and closed by the top of said chambered body and at its lower end terminating adjacent to and opening into the bottom of the chambered body, the said inner tier of convolutions being encased within said hollow member, a tube encircled by said inner tier of convolutions, the upper end of said tube terminating a substantial distance from the top of said chambered body and means for supplying water to said chambered body and a cold water outlet in communication with the upper end of said hollow member.

2,418,995
METHOD FOR MANUFACTURING LONG FIBER INTO YARN
Samuel E. Thomas and Walter R. Guthrie, Allentown, Pa.
Application September 30, 1940, Serial No. 359,126
7 Claims. (Cl. 57—156)



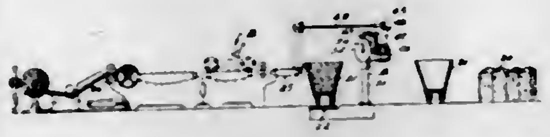
1. A method of making yarn from long hard raw fibre selected from a group consisting of natural and synthetic vegetable origin comprising regulating the weight of travelling fibre, subjecting the travelling fibre to a horizontal combing tension, condensing the fibre to a sliver, collecting the sliver in a roll under pressure greater than its own weight, operating upon the fibre subsequently with at least three independent treatments one of which includes horizontal combing, collecting the fibre at the end of each of the three treatments in a roll of sliver under pressure greater than its own weight, feeding the sliver from the roll in each of the succeeding three treatments, then after the three independent treatments subjecting the fibre to at least one drawing operation, and finally spinning the fibre into yarn.

2,418,996
APPARATUS FOR MANUFACTURING LONG FIBRE INTO YARN

Samuel E. Thomas and Walter R. Guthrie, Allentown, Pa., assignors to Lehigh Spinning Company, Allentown, Pa., a corporation of Pennsylvania

Original application September 30, 1940, Serial No. 359,126. Divided and this application October 6, 1944, Serial No. 557,446

2 Claims. (Cl. 235—103.5)



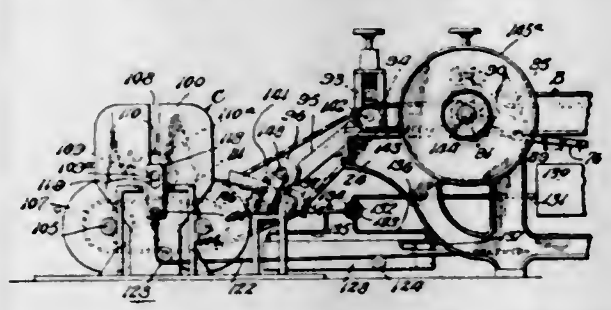
2. A precision feeding device for fibre in making yarn comprising a weighing register having a circular dial for fibre to be fed, a weight-indicating hand movable with respect to the dial upon an axis at the center thereof, a support carried by the register, power take-off means including a driven shaft rotatable about an axis coinciding with the axis of the weight indicating hand carried by the support, a drive wheel rigidly mounted on the shaft, a collar freely rotatable about the shaft, a speed indicating means having a hand portion overhanging the margin of the circular dial carried by the collar and freely rotatable therewith, a spring pressed rod carried by the speed indicating hand, said rod having means normally engageable with the drive wheel, and means for disengaging the means carried by the rod and wheel whereby the overhanging hand portion of the speed indicating means may be freely moved to a desired position on the dial independently of the power take-off.

2,418,997
APPARATUS FOR MANUFACTURING LONG FIBRE INTO YARN

Samuel E. Thomas and Walter R. Guthrie, Allentown, Pa., assignors to Lehigh Spinning Company, Allentown, Pa., a corporation of Pennsylvania

Application October 25, 1944, Serial No. 560,262

7 Claims. (Cl. 19—158)



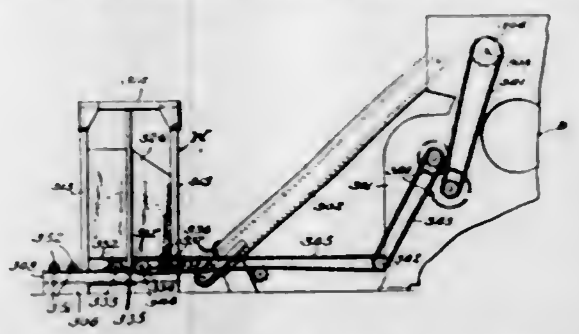
2. In an apparatus for treating fibre having means for forming fibre onto rolls including delivery rolls and means for driving the same for advancing a continuous sliver of long fibres; the improvement which comprises a core upon which the sliver may be wound to form a roll, a frame having sidewalls, said frame being constructed and arranged to so guide the sliver to the core that the sliver is wound spirally upon the core between said sidewalls, traction applying rolls rotatably supporting the core and sliver wound thereon, means for applying a compressible force to the sliver being wound on the core, and means for driving the traction rolls at a peripheral speed of less than the linear speed of the sliver as fed to the traction rolls by said delivery rolls whereby upon rotation of the traction rolls a transversely crimped lap not under tension is wound upon the core to form a roll which readily may be unwound.

2,418,998
APPARATUS FOR MANUFACTURING LONG FIBRE INTO YARN

Samuel E. Thomas and Walter R. Guthrie, Allentown, Pa., assignors to Lehigh Spinning Company, Allentown, Pa., a corporation of Pennsylvania

Application November 17, 1944, Serial No. 563,892

6 Claims. (Cl. 19—158)



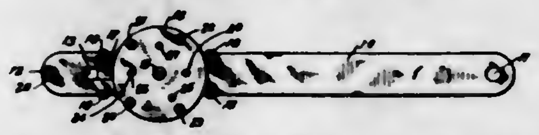
1. In an apparatus for making yarn from long fibres having a minimum length of two feet, the improvements in supporting and feeding apparatus for continuous sliver comprising a housing having stalls open at opposite ends whereby rolls of sliver may be loaded from one end and the sliver fed from the other end, a pair of traction applying rolls mounted in the housing and traversing the stalls with one of said traction applying rolls nearest the loading end and the other said traction applying roll nearest the end from which the sliver is fed, said traction applying rolls arranged to peripherally support a roll of sliver and means to drive the first mentioned traction roll at a speed greater than the driven speed of the second mentioned traction roll whereby the sliver is disengaged from the roll and a loose loop formed between the rolls.

2,418,999
SPANNER WRENCH FOR WATERPROOF WATCHES

Robert A. Williams, Denver, Colo.

Application January 15, 1945, Serial No. 572,828

3 Claims. (Cl. 81—6)



1. A wrench for rotating watch case backs comprising: an elongated handle member; a first pin projecting from one extremity of said handle member at right angles to the axis of the latter; a pin plate; a pivot stud extending from said pin plate through an elongated slot in said handle member; a clamping nut on said stud acting to clamp said plate to said handle member; and a second pin projecting from said pin plate with its axis parallel to the first pin and eccentric of said stud.

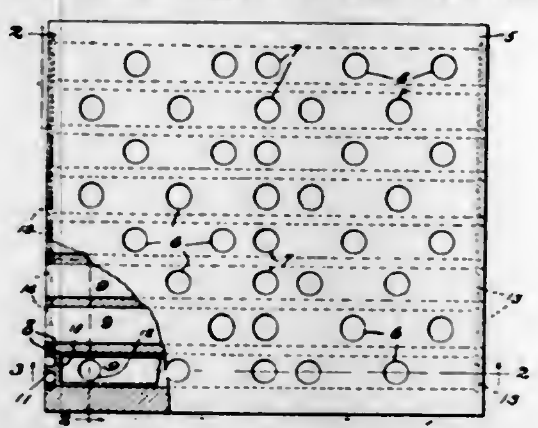
2,419,000
GAME

Wylie Ashworth, Helena, Mont.

Application November 13, 1945, Serial No. 628,085

5 Claims. (Cl. 273—136)

2. A game board having a plurality of vertical openings formed therein adapted to accommodate game pieces, the openings being larger than the game pieces, said board having a plurality of spaced horizontal bores extending therethrough directly under the vertical openings, tubes mounted for rotary movement within the bores and having openings adapted to register with certain openings of the game board, whereby game pieces resting in the openings of the game board may pass into the tubes, and means for regulating rotary movement of the tubes.

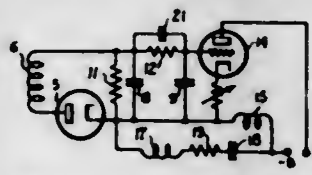


2,419,001
NOISE REDUCTION AMPLIFIER CIRCUIT FOR SOUND RECORDING SYSTEMS

Alexis Badmaieff, Los Angeles, Calif., assignor to Radio Corporation of America, a corporation of Delaware

Application March 10, 1945, Serial No. 582,137

11 Claims. (Cl. 179—100.3)



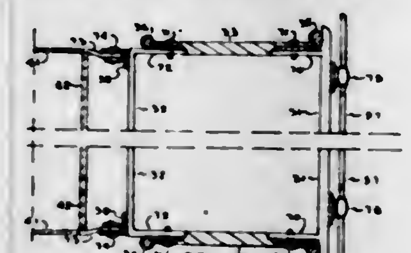
11. A noise reduction circuit comprising a full-wave rectifier, a resistance-condenser filter connected to the output of said rectifier, said filter having a plurality of shunting condensers and a resistor, a series resistor shunted by a condenser, a direct current amplifier connected to said filter, a noise reduction shutter unit connected to said amplifier, and a series tuned circuit shunting said shutter unit and tuned to the resonant frequency of said shutter.

2,419,002
INSULATED CLOSURE FOR REFRIGERATED LOCKERS

William McKinley Baird, Chicago, Ill.

Application March 22, 1944, Serial No. 527,581

1 Claim. (Cl. 220—9)



A hollow leak-proof closure for refrigerated lockers comprising a head portion having a front faceplate, and extensions extending rearwardly from said front faceplate, said extensions spaced inwardly from the outer ends of said front faceplate, an unbroken continuous gasket resting on said extensions, said gasket having an enlarged, solid head portion engaging the rear of said front faceplate, a rear portion rearwardly spaced from said front faceplate and having its opposite portions bent to form outwardly extending ends, another unbroken continuous gasket positioned on said ends, and having an enlarged, solid head portion, a load sustaining non-conductor breaker strip extending between said front faceplate and said rear portion, said breaker strip having recessed front and rear portions, said front recessed portion engaging said first mentioned gasket throughout its length, the front end of said front recessed portion engaging the rear of the head of said first mentioned gasket, said rear recessed portion of said breaker strip engaging said last mentioned gasket throughout its length, the rear end of said rear recessed portion engaging the front end of the head of said last mentioned gasket, and means extending through said breaker strip and said gaskets for holding said breaker strip to said front faceplate and said rear portion to provide a sealed closure.

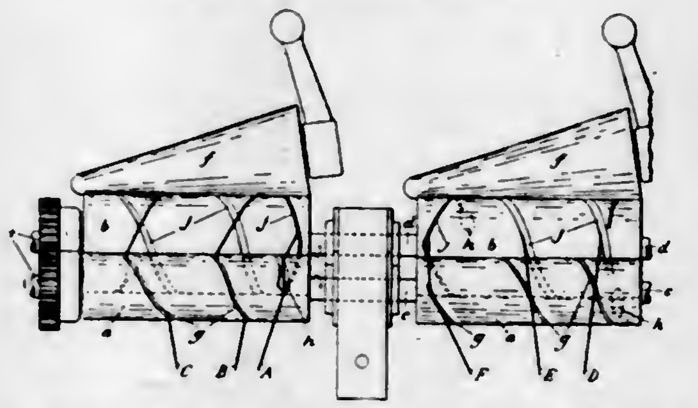
2,419,003
YARN WINDING MACHINE

Loftus Hanson Bateman, Stockport, England, assignor to Arundel Coulthard & Company Limited, Stockport, England, a British company

Application August 4, 1945, Serial No. 608,998

In Great Britain July 24, 1944

3 Claims. (Cl. 242—43)



1. Means for cross traversing yarn whilst it is being wound on to a yarn package, comprising in combination, two inter-geared parallel front and rear rollers spaced a short distance apart, the yarn package being driven by contact with the rear roller which has therein a single helical groove which extends substantially from end to end to give the yarn the full length of traverse desired and which turns back for a short distance at both ends so that such groove serves to lay the yarn on the package at both reversals and also in one direction of traverse between such reversals, whilst the front roller has a spiral groove therein which serves only to traverse the yarn between reversals in the other direction of traverse.

2,419,004
TANK STRUCTURE FOR LIQUID TREATMENT

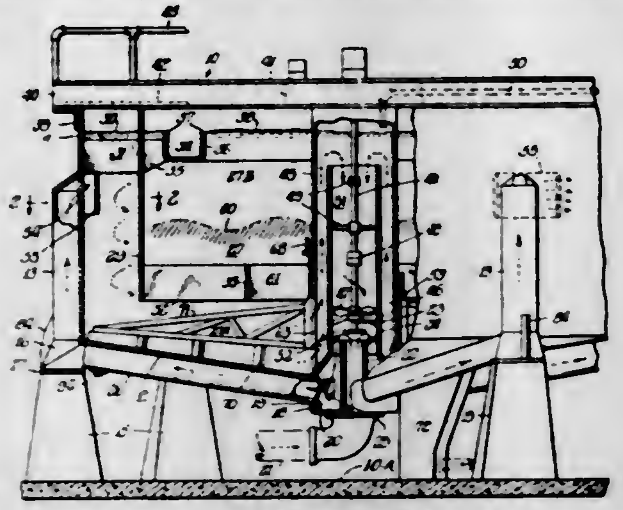
Lawrence W. Bieker, Munster, Ind., and Edward W. Welp, Chicago, Ill., assignors to Graver Tank & Mfg. Co., Inc., a corporation of Delaware

Application June 9, 1944, Serial No. 539,524

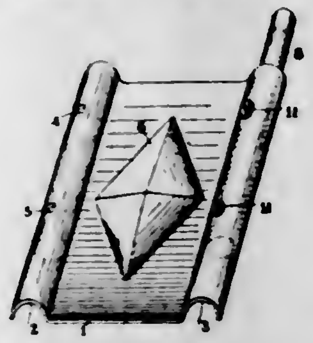
3 Claims. (Cl. 210—16)

1. A liquid treatment tank comprising a bottom; a substantially cylindrical sidewall; an annular baffle in the tank, secured to said wall, extending downwardly to above said bottom and separating an outer flocculation chamber from an inner clarification and sludge filtration chamber in said tank; a series of hollow pilasters distributed around said wall on the outside thereof, secured thereto, and upwardly extending from

adjacent said bottom; a series of conduits communicating with a central part of said tank through said bottom, each of said conduits leading to a lower inside part of one of said hollow pilasters, and each of said hollow pilasters having an upper inside part communicating through said wall with an upper part of said outer chamber; means to circulate liquid from said central part of the tank outwards through said conduits, upwards through said hollow pilasters, downwards through said outer chamber, and inwards over said bottoms in said inner chamber to suspend sludge therein for sludge filtration; means to introduce any required chemical reagents and the liquid to be treated thereby into said circulated liquid to form said sludge, and means to withdraw treated liquid from the top of said inner chamber.



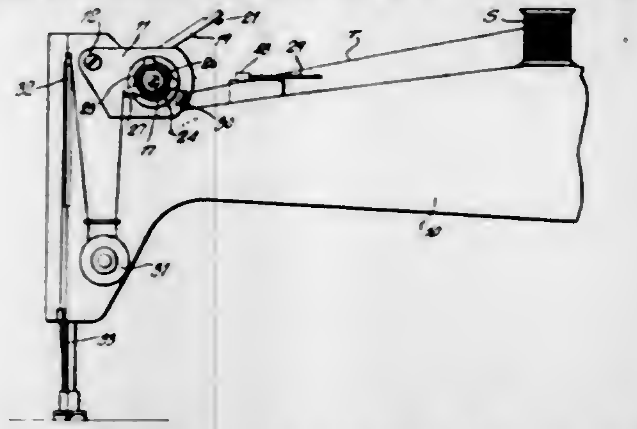
2,419,005
TILE
Aristide Bochot, La Minaudiere, Misy sur Yonne par Villeneuve la Guyard, France
Application August 8, 1945, Serial No. 609,617
In France April 17, 1945
3 Claims. (Cl. 108—10)



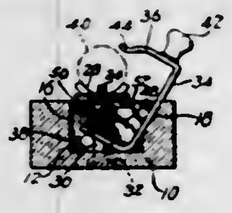
1. A tile having its side edges of a semi-tubular shape concave towards the internal face and characterised by an element embedded and fixed under one of said edges, said element having a tubular portion extending from the upper edge of the tile up to a certain distance from the lower edge of the tile, and an extension extending beyond said upper edge in order to fit into the tubular portion of another tile.

2,419,006
SEWING MACHINE
Boyd Bryson, deceased, late of Clifton, N. J., by Margaret Bryson, executrix, Clifton, N. J., assignor to Bryson Manufacturing Co. Inc., Clifton, N. J., a corporation of New Jersey
Application August 30, 1945, Serial No. 613,537
2 Claims. (Cl. 112—219)

1. An attachment for single-needle hemstitching sewing machines comprising a horizontal shaft, a tubular arm carried by said shaft and containing a movable unit, a pair of disks mounted on said shaft, means biasing said disks toward each other, a contact carried by said arm, a fixed contact arranged in the path of said first contact and a second arm rotatable with said shaft for engagement by a thread passing between said disks and exerting a pull on said second arm tending to rotate said shaft to space apart said contacts.



2,419,007
FUSE TERMINAL CLIP
Paul M. Christensen, West Hartford, Conn., assignor, by mesne assignments, to Federal Electric Products Company, Inc., Newark, N. J., a corporation of New Jersey
Application August 9, 1943, Serial No. 497,903
16 Claims. (Cl. 173—259)



1. A fuse terminal clip construction comprising in combination, an insulating base provided with a recess, a contact provided with a seat adapted to receive a fuse terminal, a clamping member having a part in said recess and a portion adapted to engage said fuse terminal and clamp it in said seat of the contact, an anchor for said clamping member, mechanism operatively connecting said clamping member and anchor and comprising means adapted to permit movement of said portion of the clamping member in a plurality of directions transversely of the fuse, said movement of said portion in said directions respectively effecting engagement between the clamping member and fuse terminal and effecting firm clamping of said fuse terminal against the seat of said contact, and biasing means in said recess engaging said part of the clamping member and adapted to urge said clamping member in one of said transverse directions and in directions toward said seat to effect firm clamping of said fuse terminal against the seat of said contact.

2,419,008
PROCESS FOR POLYMERIZING VINYL FLUORIDE
Donald D. Coffman and Thomas A. Ford, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 19, 1943, Serial No. 510,964
7 Claims. (Cl. 260—88)

1. A process for making polyvinyl fluoride which comprises heating vinyl fluoride in contact with water in amount of from 0.1 to 10 times the weight of the vinyl fluoride and with from 0.005 to 5% by weight of the vinyl fluoride of a vinyl polymerization catalyst under a pressure in excess of 100 atmospheres at a reaction temperature within the range of 30° C. to 250° C., which activates the catalyst, and continuing the heating until a substantial amount of the vinyl fluoride is polymerized.

2,419,009
VINYL FLUORIDE COPOLYMERS
Donald D. Coffman and Thomas A. Ford, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 19, 1943, Serial No. 510,965
8 Claims. (Cl. 260—86)

1. A process for obtaining polymeric material from vinyl fluoride which comprises heating a mixture of vinyl fluoride with a terminally unsaturated olefin in contact with an inert liquid medium and from 0.005% to 5% based on the weight of the vinyl fluoride and said olefin of a vinyl polymerization catalyst under a pressure of from 100 to 1000 atmospheres and at a temperature of from 30° C. to 200° C., said mixture containing, on the basis of the weight of the vinyl fluoride and said olefin, from 3% to 95% of vinyl fluoride.

2,419,010
POLYVINYL FLUORIDE
Donald D. Coffman and Thomas A. Ford, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 19, 1943, Serial No. 510,966
12 Claims. (Cl. 260—88)

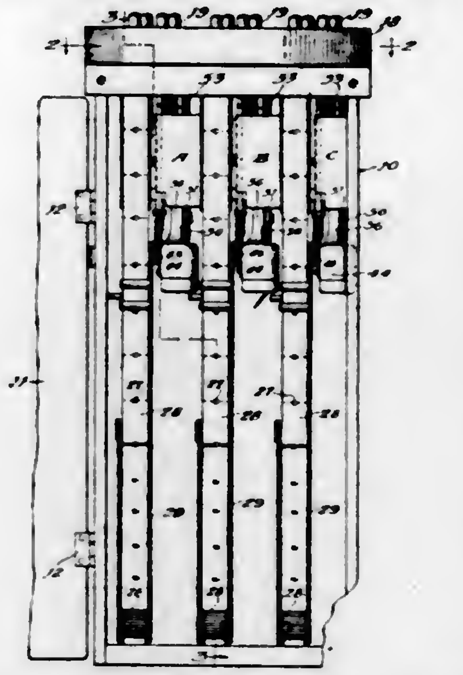
9. A xylene-insoluble polyvinyl fluoride which has an intrinsic viscosity of at least 0.35 and which, when in the form of a filament, is capable of being cold drawn to a permanent elongation of at least 100% from a molecularly unoriented state exhibiting an X-ray diffraction pattern characteristic of a crystalline powder to a molecularly oriented state showing by X-ray diffraction patterns orientation along the fiber axis.

2,419,011
RECOVERY OF CHRYSENE
Gerard W. Curtis, Edgewater, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
No Drawing. Application May 12, 1945, Serial No. 593,529
5 Claims. (Cl. 260—674)

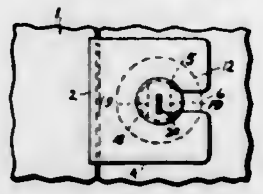
1. In a process for isolation of chrysene from a chrysene-containing material, the improvements which comprise subjecting the material to the solvent action of a normally liquid substance containing the pyridine nucleus and boiling below about 237° C., and recovering a solid phase containing chrysene.

2,419,012
TICKET MACHINE
Carl Dodegge, Maywood, Ill., assignor to Aero Metal Products Corporation, Chicago, Ill., a corporation of Illinois
Application September 15, 1945, Serial No. 616,625
16 Claims. (Cl. 164—49)

1. A ticket machine comprising a casing; a plurality of independently operable ticket-issuing units in the said casing, each of said ticket-issuing units including a supporting frame, a ticket web advancing device, a ticket web-severing device, means for operating the said web-advancing device and the said web-severing device, a plurality of manually operable keys projecting from said casing and guided thereby, and means under the control of the said manually operable keys for controlling the operation of the said web-advancing device and of the said web-severing device; and means for removably mounting each of the said ticket-issuing units in the said casing whereby each of said ticket-issuing units may be operated entirely independently of the other ticket-issuing units in the said casing and whereby each of the said ticket-issuing units may be removed as a unit from the said casing without interfering with the operation of the other ticket-issuing units remaining therein.

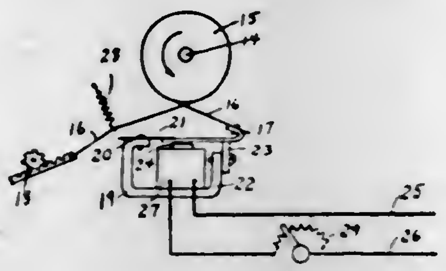


2,419,013
CYLINDER LOCK
Roger H. Ducey, Belmont, Mass.
Application August 3, 1945, Serial No. 608,659
1 Claim. (Cl. 70—99)



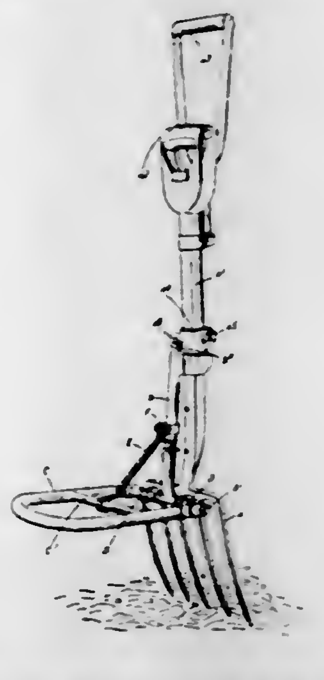
A sliding door lock for releasably securing together two relatively slidable members when in edge to edge abutting position comprising an angle plate having a flange secured to the edge of one of said members and another flange extending outwardly therefrom provided with a slot leading to a circular recess of greater diameter than the width of said slot, a lock body embedded in and fixedly secured to the other door member having a key-operable cylindrical tumbler controlled barrel provided with oppositely disposed narrow slots parallel to the keyhole slidably to fit within the slot in said angle plate, when said members are moved to abutting position, with a cylindrical barrel registering with said circular recess and operable upon rotation of the key to position the slots in the barrel transversely of the slot in the angle plate thereby to prevent withdrawal of the barrel through said slot, and means for preventing withdrawal of the key when the barrel is rotated to lock-releasing position.

2,419,014
ELECTROMECHANICAL DEVICE
Harry Fuchs, New York, N. Y.
Application December 2, 1942, Serial No. 467,624
8 Claims. (Cl. 74—163)



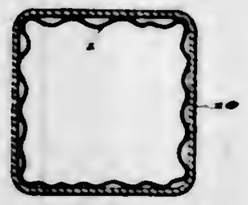
7. A device comprising an angular element having two legs in angular relation to one another, an electromagnet having two poles one of which is secured to one of the said legs, an armature associated with the other of the said legs and adapted to be actuated by the other pole of the electromagnet, a pulley, a support, a belt encircling the pulley having one end thereof secured to the armature and the other end to the support, and a spring exerting tension on the belt independently of the said support.

2,419,015
AGRICULTURAL IMPLEMENT
George Harry Gascoigne, Wokingham, and Jonas Arthur Kingston, Tilehurst, Reading, England
Application July 25, 1944, Serial No. 546,475
In Great Britain October 5, 1943
7 Claims. (Cl. 254—131.5)



2. A digging implement comprising a tool head, a shaft therefor, and a device comprising a pedestal portion, a tread-plate portion, and a hinge pin connecting the base of said pedestal portion to said tread-plate portion, in combination with means universally attaching the top of said pedestal portion to the implement shaft, and coil spring means embracing said hinge pin so that said coil spring means becomes torsionally energised by the downward levering movement of the shaft towards the soil after said tool head has been buried therein and so that, as the soil yields, the torsionally energised spring will give out its energy in causing an upward and forward movement of the implement and particularly the tool head and thereby facilitate the displacement and dispersal of the soil.

2,419,016
LUBRICATING OIL CELL
Reid B. Gray, Dundalk, and Joseph C. De Weese, Essex, Md., assignors to The Glenn L. Martin Company, Middle River, Md., a corporation of Maryland
Application March 19, 1942, Serial No. 435,414
2 Claims. (Cl. 154—43.5)

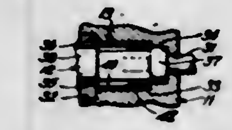


1. A self-sealing hydrocarbon liquid storage container comprising a metal frame, a flexible cell within said frame, the outer dimensions of the cell being proportioned with respect to the inner dimensions of the frame so that the hydrostatic load of the liquid is transmitted to said frame, the cell walls being unstressed by the liquid load, the walls of said cell being free of the frame and including at least four layers arranged in the sequence named; a layer of synthetic plastic material resistant to the chemical action of the hydrocarbon liquid to be held in said tank, a layer comprising substantially a high molecular weight iso-butene polymer subject to swelling upon contact with the hydrocarbon liquid, a soft vulcanized protective layer, and an outer fabric layer, all of said layers being adhesively secured to adjacent layers to form a laminar structure.

2,419,017
METAL PROTECTIVE PIGMENT
Godfrey Grimm, Nutley, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 20, 1943, Serial No. 479,911
3 Claims. (Cl. 106—292)

1. A metal-protective pigment composition consisting of a mixture of ammonium ferrous phosphate in flake-like, crystalline form and zinc yellow, the ammonium ferrous phosphate component of said mixture ranging from about 5% to 30% by weight of the total pigmenting ingredients and the major portion of its iron content being in the ferrous state.

2,419,018
CONNECTOR
Ray W. Gudie, Los Angeles, Calif., assignor of one-third to Pauline E. Wood and one-third to Ralph F. Thacker
Application January 3, 1942, Serial No. 425,504
7 Claims. (Cl. 173—328)



1. In an electrical connector, a body of dielectric material having an opening, a contact to be inserted in the opening, cooperable shoulders on the wall of the opening and the contact for limiting movement of the contact in one direction, opposing shoulders on the wall of the opening and the contact and spaced apart longitudinally of the contact, and a longitudinally split flexible resilient sleeve member normally held in the opening between the last named shoulders and acting to positively retain the contact in the opening when it is introduced into the opening.

2,419,019
CONTINUOUS PROCESS FOR OXIDIZING CARBOHYDRATES TO TARTARIC ACID
Ralph A. Hales, West Chester, Pa., assignor to Atlas Powder Company, Wilmington, Del., a corporation of Delaware
Application October 23, 1944, Serial No. 560,022
2 Claims. (Cl. 260—528)

1. A process for the preparation of tartaric and oxalic acid values which comprise adding to a reaction zone over an extended period of time, water, a residue of the type hereinafter described, nitric acid, carbohydrate material oxidizable in solution by nitric acid to tartaric acid and selected from the group consisting of glucose, fructose, pentoses, gluconic acid, erythritol, ketogluconic acids, and materials rapidly hydrolyzable to these, and a catalyst directive for tartaric acid preparation, maintaining said reaction zone at a temperature of not more than about 80° C. and maintaining the reactant proportions such that tartaric acid is formed, removing partially reacted liquor from said zone over an extended period of time and passing said partially reacted liquor through a concentrating zone wherein water is rapidly removed from said liquor by heating said liquor under conditions of high surface exposure and short contact time, passing the concentrated liquor into a zone maintained between about 90° C. and about 100° C. in which the reaction is completed, and then removing tartaric and oxalic acid from the reacted liquor, leaving a partially oxidized residue.

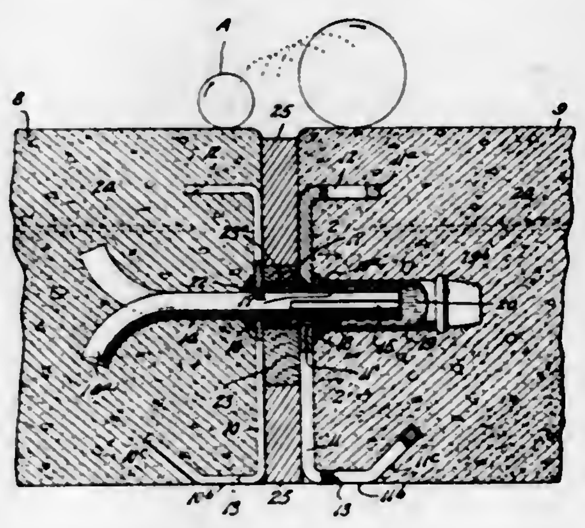
2,419,020
CALCIUM TARTRATE RECOVERY PROCESS
Ralph A. Hales, West Chester, Pa., assignor to Atlas Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 23, 1944, Serial No. 560.023
2 Claims. (Cl. 260—528)

1. A process for the removal of oxalic and tartaric acids from an aqueous solution resulting from the nitric acid oxidation of carbohydrate materials, which comprises cooling the solution, removing crystallized oxalic acid, adding to the solution lime in a quantity in excess of, but less than double, the stoichiometric amount necessary for the formation of calcium oxalate from all the residual oxalic acid present, removing precipitated calcium oxalate, providing the water content of the solution such that it has a specific gravity less than 1.15, adding to the solution lime in a quantity sufficient that the solution contains an amount of calcium precipitant equal to the stoichiometric amount necessary for the formation of calcium tartrates from all tartaric acids present and, in addition, an amount equal to from about 30% to about 35% of the stoichiometric amount necessary to form calcium salts of all the less highly oxidized acids present, heating the solution to a temperature of from about 60° C. to about 70° C., cooling solution, reheating the solution to a temperature of from about 60° C. to about 70° C., cooling the solution, and removing the precipitated calcium tartrates.

2,419,021
BACTERICIDE AND ALGAECIDE
Charles Warren Harnden, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application November 18, 1943, Serial No. 510,825
7 Claims. (Cl. 167—22)

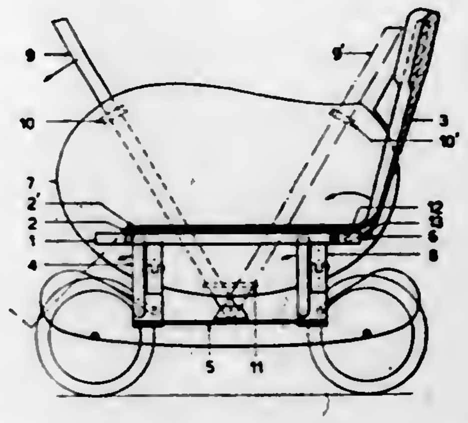
1. A bactericidal and algaecidal composition comprising a mixture including 40% to 60% trichlorobutanes having at least 2 secondary chlorine atoms, 5% to 20% dichlorobutane and 10% to 25% dichloropentanes, and a minor amount of an emulsifying agent.

2,419,022
SLAB CONNECTION
John N. Heltzel, Warren, Ohio
Application August 20, 1945, Serial No. 611,510
28 Claims. (Cl. 94—18)



1. A load transfer connection for expansible and contractable concrete slabs or the like comprising opposed slab face reinforcement members, anchor means carried by said reinforcement members and embedded in the associated slab, a dowel bar spanning the space between opposed slabs and supported by said reinforcement members, said dowel bar being slidable in at least one of said reinforcement members, and an absorbent moisture induced expansible member between said slabs at the site of said reinforcement members.

2,419,023
BABY CARRIAGE AND THE LIKE
Georg Henry Sixten Holmström, Goteborg, Sweden
Application July 25, 1945, Serial No. 607,002
In Sweden April 24, 1943
12 Claims. (Cl. 296—27)



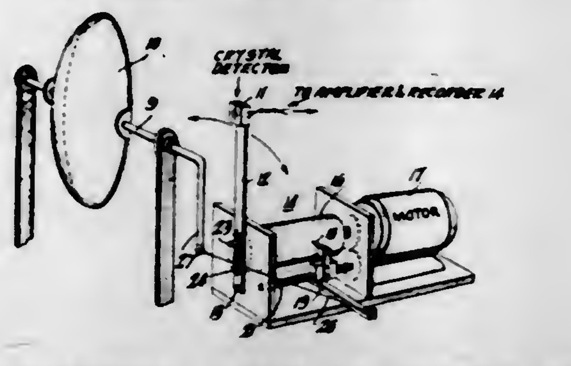
1. A baby carriage comprising a base frame, support arms swingably connected thereto, a body of stiff material including side walls and a bottom which is carried by the swingable support arms, the bottom being lowerable from its normal position by a downwardly swinging movement of the support arms, the side walls being foldably mounted, and locking means to lock the side walls in upright position and the bottom in normal position.

2,419,024
RADIO VIEWING SYSTEM

Harley A. Iams, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application February 21, 1945, Serial No. 579,076

6 Claims. (Cl. 178—6.6)



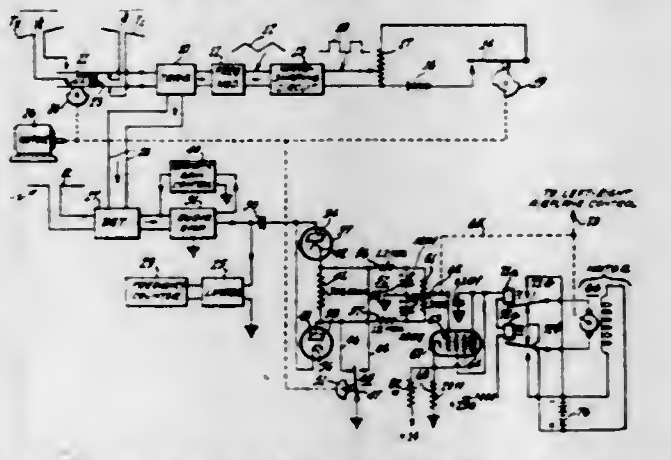
1. In combination, means for imaging radio waves from a scene to be recorded, a radio wave pick-up device comprising a crystal detector, means for scanning the said radio wave image by said pick-up device and converting the energy thus picked up into an electrical signal, a facsimile recorder, means for operating said recorder in synchronism with said scanning, and means for supplying said signal to said recorder whereby a picture of said scene is recorded.

2,419,025
COMPARATOR CIRCUITS FOR RADIO LOCATORS

William R. Mercer, Hightstown, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application May 30, 1944, Serial No. 538,028

7 Claims. (Cl. 250—1.54)



1. In a direction finding system, a directive antenna system and means for angularly displacing its region of maximum field strength during successive switching periods, a radio receiver, a pair of rectifiers each having an anode and a cathode, a coupling capacitor, the anode of one rectifier and the cathode of the other rectifier being connected through said coupling capacitor to the output circuit of said receiver, an output impedance unit connected between the other anode and the other cathode of said rectifiers, switching means for making one of said rectifiers pass current through said output impedance unit during one antenna switching period and for making the other of said rectifiers pass current in the same direction through said impedance unit during the next antenna switching period, a filter connected across said impedance unit, the midpoint of said filter being grounded, an output impedance unit connected across the output terminals of said filter, and an output tap on an intermediate point on said output impedance unit.

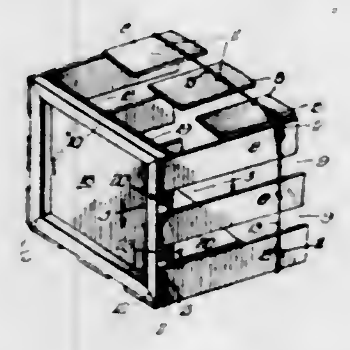
7. In combination, a radio locator system comprising a transmitter for transmitting a radio signal to a reflecting object and a receiver for receiving said signal after reflection from said object, said system also comprising a directive antenna system and means for angularly displacing its region of maximum field strength during successive switching periods, a pair of rectifiers connected to rectify the output of said receiver, an output impedance unit for said rectifiers, switching means for making one of said rectifiers pass current through said impedance unit during one antenna switching period and for making the other of said rectifiers pass current in the same direction through said impedance unit during the next antenna switching period, a filter connected across said impedance unit to obtain a direct-current voltage, said filter including shunt capacitors connected between each side of said filter and ground, a reversible motor, relay means for controlling the direction and amount of rotation of said motor in accordance with the direct-current output of said filter, means for controlling the direction in which said region of maximum field strength is pointed, and a servo connection between said motor and said last means for turning said antenna system toward said reflecting object in response to said region being more to one side of said object during one of said switching periods than to the other side of said object during the other switching period.

2,419,026
COLLAPSIBLE CRATE

Walter F. Newhouse, Benton Harbor, Mich.

Application December 17, 1943, Serial No. 514,602

1 Claim. (Cl. 217—47)



A collapsible crate of the character described comprising enclosing side walls each made up of slats with a space between adjacent slats of each side wall, cleats secured to opposite ends of the slats of each side wall, end walls adapted to be secured to the side walls, attaching means for securing said end walls to said side walls, said attaching means each comprising a tongue-like member having two legs the inner ends of both of which are secured to the inner face of an end wall and its outer end projecting a predetermined distance beyond an edge of an end wall, said outer end of said tongue-like member including a bent part extending perpendicularly of an end wall and engaging an outer edge of a cleat, said bent part being less in length than the thickness of a cleat so as not to extend beyond the outer face of the cleat, the space between adjacent slats being of sufficient size to permit an attaching means to extend through the space between adjacent slats, and said fastening means being positioned on an end wall at said space and a fastener member driven through the bent part of the tongue-like member and into an edge of a cleat to secure an end wall to a side wall.

2,419,027
PRODUCTION OF CADMIUM SELENO-CYANIDE

Ludwig F. Nerlinger, Marshallton, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application October 11, 1945, Serial No. 621,857

7 Claims. (Cl. 23—77)

6. A process for producing a cadmium-selenocyanide compound which comprises dissolving elementary selenium in a sodium cyanide solution, reacting the resulting seleno-cyanide solution with a cadmium chloride solution, and then recovering and drying the resulting precipitate.

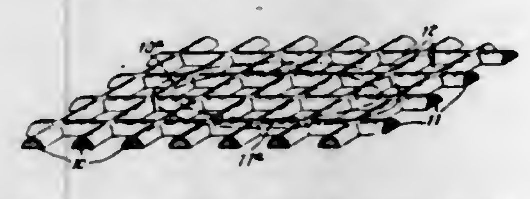
7. A precipitated cadmium seleno-cyanide compound containing two atoms of selenium for each atom of cadmium.

2,419,028
PROCESS OF PRODUCING MESH FABRIC STENCILS

Edward O. Norris, Westport, Conn., assignor to Edward O. Norris, Inc., New York, N. Y., a corporation of New York

Application May 16, 1941, Serial No. 393,731

9 Claims. (Cl. 204—11)



1. The process of producing mesh fabric stencil, which comprises superimposing on a sheet of metal screen a solid adherent layer of material, superimposing on the said layer a second adherent layer of material substantially thinner than the first layer, the first layer being reactive to an etchant to which the screen and the second layer are passive, blocking a design on the second layer by means of a resist passive to an etchant that reacts on the second layer, some of the areas of said design being narrower than the lands of the screen, etching the design through the second layer to the first layer by means of said etchant, etching through the first layer by means of an etchant that is passive to the screen and to the second layer until communicating passages are established from the uncovered face of the screen through the interstices thereof and through the second layer to the open areas of the first layer.

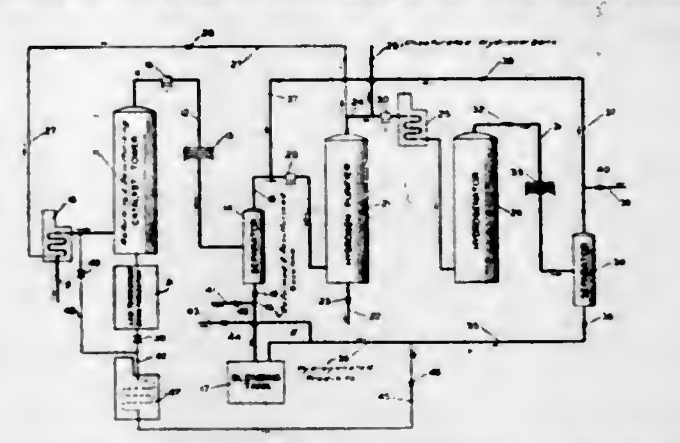
2,419,029
PROCESS FOR DESULFURIZING AND REFORMING HYDROCARBONS

George G. Oberfell, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application April 11, 1941, Serial No. 388,153

3 Claims. (Cl. 196—24)

1. A process for producing an improved motor fuel which comprises contacting a first motor fuel of relatively low antiknock value and lead susceptibility and containing sulfur in substantially non-refractory form with a reforming catalyst in a reforming step under conditions of temperature, pressure and rate of flow such that substantially no cracking takes place but hydrogen is produced and desulfurization occurs, contacting a second motor fuel consisting of a cracked distillate containing refractory sulfur compounds and unsaturates, with hydrogen at elevated temperatures and pressures but below reforming temperatures in a separate step to effect hydrogenation and pre-treatment of said refractory sulfur compounds, introducing said hydrogenated and pre-treated cracked distillate into the reforming step to eliminate said sulfur compounds, whereby said cracked distillate and said first motor fuel are blended, and withdrawing the blended motor fuel obtained thereby.



2,419,030
PRODUCTION OF 2,3-DIMETHYL-BUTADIENE-1,3

Julian A. Otto, Long Island City, N. Y., and Albert E. Anderson, Danielson, Conn., assignors to General Chemical Company, New York, N. Y., a corporation of New York

No Drawing. Application May 7, 1945, Serial No. 592,528

4 Claims. (Cl. 260—681)

1. In the catalytic vapor phase dehydration of pinacol to 2,3-dimethylbutadiene-1,3 at elevated temperatures, the improvement which comprises maintaining reaction chamber surfaces made of a non-ferrous metal comprising predominantly nickel in contact with the reactants at said elevated temperatures.

2,419,031
COFFEE COMPOSITION

Frederick Pollack, Kew Gardens, N. Y.

No Drawing. Application October 5, 1944, Serial No. 557,371

2 Claims. (Cl. 99—152)

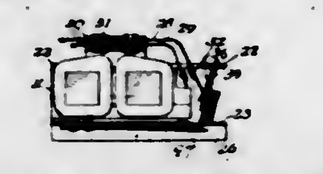
1. A coffee composition comprising roasted and ground coffee and a substantially dry flavor preserving agent intimately mixed with the coffee, the said agent being lithium carbonate in the proportion of about 0.3 part to 3 parts for 100 parts by weight of the coffee.

2,419,032
SEQUENCE RELAY

Hazen C. Pratt, Detroit, Mich.

Application August 9, 1943, Serial No. 497,892

10 Claims. (Cl. 200—87)



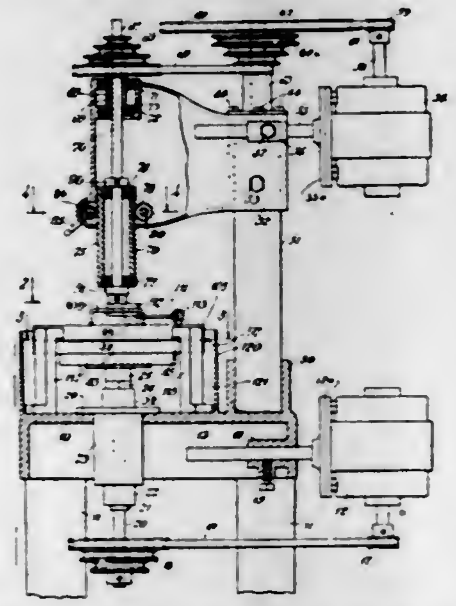
1. An electric sequence relay comprising the combination, with an electromagnet, including a coil adapted to be electrically energized for the operation of the relay, of an armature comprising a plate adapted to be moved bodily in one direction by said magnet when energized, yielding means operative at a medial bearing portion of said plate to urge the same in the opposite direc-

tion, said plate being rockable about its medial portion with respect to said yielding means, support means operatively associated with cooperating portions of said plate on opposite sides of said medial portion for guiding and limiting the movement of said plate, and switch means controlled by the so guided and limited movement of the plate.

2,419,033
APPARATUS FOR LAPPING QUARTZ OSCILLATOR PLATES

Irving S. Primus, New York, N. Y., assignor to Reeves-Ely Laboratories, Inc., New York, N. Y., a corporation of New York

Application April 6, 1945, Serial No. 586,952
4 Claims. (Cl. 51—118)



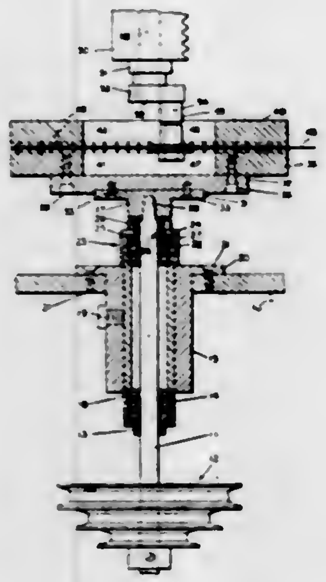
2. In apparatus for the manufacture of quartz oscillator plates, a base, a lower vertical spindle extending above said base, a motor supported on said base, means to drive said spindle from said motor, a lower lapping head concentric with and driven by said spindle, a carrier disc disposed on the upper side of said lower lapping head, an upper annulus shaped lapping head disposed over said carrier disc, means for holding said upper lapping head substantially stationary, an upright supported from said base at one side of said spindle, a head and a motor supported from said upright, said head extending radially from said upright over said lower spindle, a vertical spindle having bearing in said head and arranged in alignment with the lower vertical spindle, a drive between the second mentioned motor and the upper vertical spindle, a crank on the lower end of said upper vertical spindle and including an eccentrically located part entering the central opening of said annulus shaped upper lapping head, a hub centrally located on said carrier disc and receiving the lower end portion of said eccentrically located part, whereby as said upper vertical spindle is rotated said carrier disc is given a satellite movement about the axes of said upper and lower vertical spindles.

2,419,034
BEARING AND SEAL THEREFOR

Irving S. Primus, New York, N. Y., assignor to Reeves-Ely Laboratories, Inc., New York, N. Y., a corporation of New York

Application April 6, 1945, Serial No. 586,953
7 Claims. (Cl. 308—230)

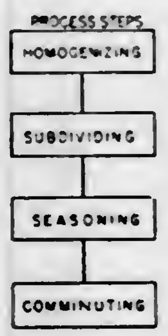
1. In apparatus of the character described, the improvement comprising a rotatable spindle connectible with a source of power, a sleeve mounted about the spindle, securing means to prevent rotation of the sleeve, a bearing between the sleeve and spindle, a bushing rotatably secured to the spindle at one end of the sleeve, a bearing-shield disposed exteriorly of and about the same end of the sleeve and a portion of the bushing, and a nut rotatably secured to the bushing and bearing-shield to provide a barrier against passage of foreign particles through the end of the sleeve to the bearing.



2,419,035
MANUFACTURE OF MOLDING POWDERS

Joseph L. Quinn, Matawan, and Ewald G. Spader, Roselle Park, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application July 25, 1942, Serial No. 452,360
6 Claims. (Cl. 18—47.5)

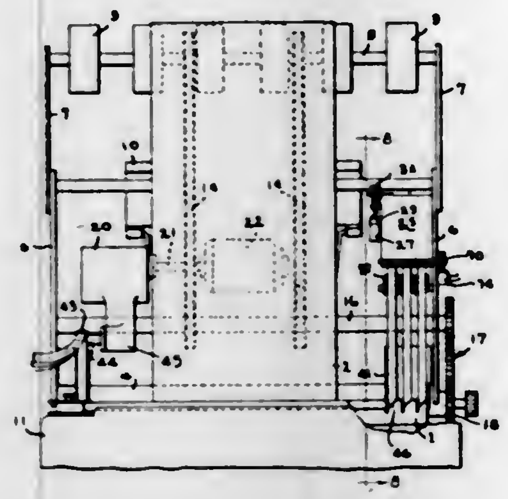


1. Process of manufacturing a molding powder which comprises mixing in a dough mixer a soluble derivative of cellulose from the group consisting of cellulose esters of organic acids and cellulose ethers, a plasticizer therefor, and a hot-acting volatile solvent therefor, at a temperature above the effective temperature of said solvent to form a homogeneous mass, cooling said mass below the effective temperature of said solvent and breaking said mass down into small pieces, feeding said pieces into a screw stuffer and extruding therefrom at a temperature above the effective temperature of said solvent strands of small cross-section, cutting said strands into granules, and seasoning said granules at a temperature below the effective temperature of said solvent.

2,419,036
RIBBON FEED MECHANISM FOR MANIFOLDING MACHINES

Robert W. Ritzert, Dayton, Ohio, assignor to The Egry Register Co., Dayton, Ohio, a corporation of Ohio

Application April 28, 1943, Serial No. 484,812
18 Claims. (Cl. 197—126)

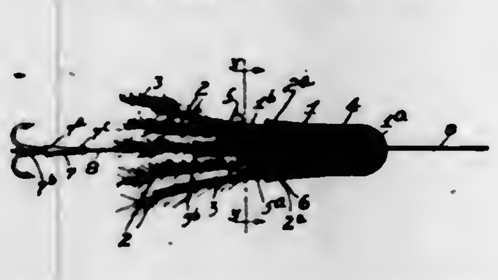


1. A manifold typing machine comprising typing apparatus including a platen, means for moving paper in multiple sheet form over the platen, a plurality of carbon ribbons interleaved with said paper sheets at the typing position, means for moving the ribbons in superposed relation crosswise of the sheets during the line spacing and eject operations of the machine, and means responsive to at least one of said operations for moving the ribbons lengthwise of said sheets and thereafter automatically returning them to said typing position.

2,419,037
FISHING LURE

Claude Safford, San Diego, Calif.

Application July 18, 1944, Serial No. 545,458
3 Claims. (Cl. 43—42)



1. In a fishing lure of the class described, the combination of a tapered body member provided with a reduced portion at its rear end, a plurality of backwardly diverging separate spaced apart guards secured on said reduced portion at their forward ends and extending forwardly past said reduced portion some distance, a plurality of hook shields positioned at their ends on said reduced portion outwardly of said spaced apart guards and extending backwardly and supported and reinforced by said guards, a line shiftable centrally and longitudinally in said body member, a hook mounted on the rear extended end of said line, a sleeve mounted in said body member and extending backwardly some distance from the rear end thereof provided with a diverging wall portion at its rear end, said hook means provided with a tapered wedge portion adapted to enter said converging wall and wedge tightly therein when drawn for holding the hook means straight back when inserted and a sleeve mounted centrally and longitudinally in the body member connected with said backwardly extending sleeve.

2,419,038
METHOD FOR THE PREPARATION OF TARTARIC ACID VALUES

Marshall T. Sanders, Brandywine Hundred, Del., assignor to Atlas Powder Company, Wilmington, Del., a corporation of Delaware

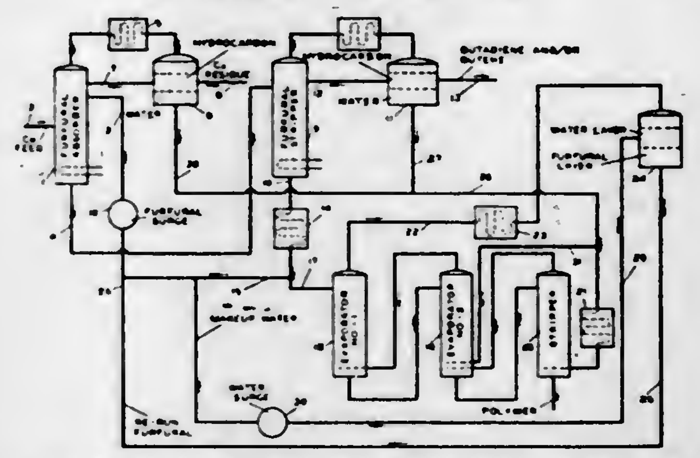
No Drawing. Application February 16, 1943, Serial No. 476,055
4 Claims. (Cl. 260—528)

1. A cyclic process for the production of tartaric and oxalic acid values which comprises reacting a material of the type of the residue hereinafter described, with nitric acid, in the presence of a catalyst directive for tartaric acid production, allowing the reaction to proceed until it moderates, then adding a carbohydrate material selected from the group consisting of glucose, fructose, pentoses, gluconic acid, 5-ketogluconic acid, erythritol, and materials readily hydrolyzable to these by dilute nitric acid, and allowing the reaction to continue until nitric acid and nitrogen oxides cease to be evolved and are substantially entirely removed, the proportions of reacting ingredients and the conditions of operation being such that tartaric acid, oxalic acid, and a residue containing intermediate products further oxidizable to tartaric and oxalic acids are formed, and removing tartaric and oxalic acids, thereby leaving said residue suitable for reaction in a subsequent cycle.

2,419,039
EXTRACTIVE DISTILLATION OF HYDROCARBONS WITH FURFURAL-WATER MIXTURES

Virgil Scarth, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

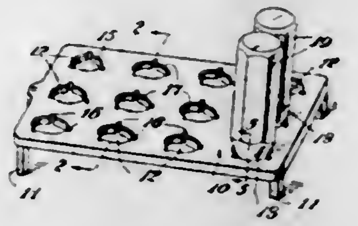
Application December 21, 1944, Serial No. 569,244
9 Claims. (Cl. 196—13)



1. In a process for the recovery of unsaturated hydrocarbons from admixture with less saturated hydrocarbons by extractive distillation with furfural containing dissolved water as selective solvent wherein water is volatilized and passes overhead together with hydrocarbons from furfural absorbing and furfural stripping steps, the total overhead from each of said steps is condensed and is separated into two layers, namely, a hydrocarbon layer and an aqueous layer containing corrosive impurities; while a portion of stripped furfural is withdrawn from said furfural stripping step and such withdrawn furfural is steam distilled to remove polymers and other impurities therefrom prior to returning said furfural to said furfural absorption step; that improvement which comprises eliminating corrosive impurities

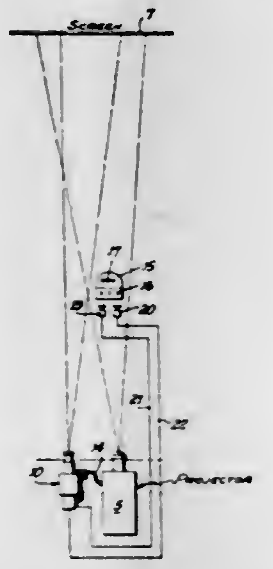
by withdrawing said aqueous layers containing corrosive impurities and using them as the source of steam for steam distilling said stripped furfural.

2,419,040
BOTTLE DRYER
John Stepanian, West New York, N. J.
Application December 28, 1944, Serial No. 570,137
1 Claim. (Cl. 211—74)



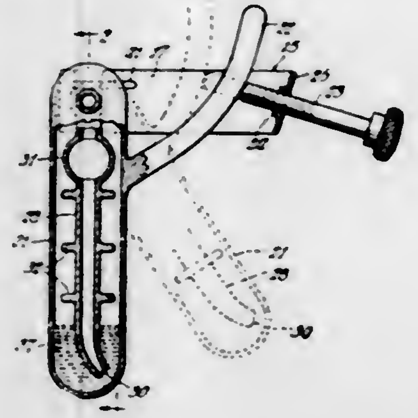
A bottle dryer, consisting of a board having a plurality of circular openings, each opening having outwardly extending spaces formed by marginal tongues, circumferentially spaced from each other, said tongues providing a seat for the bottle neck extending through the opening, said seat having a surface inclined to the surface of the board and in general conformance to the inclination of the bottle neck, the diameter of the opening being substantially the same as the mean diameter of the bottle neck, said outwardly extending spaces providing drainage from the exterior of the bottle, and providing air circulation for the exterior of the bottle, the open end of the bottle extending below the board providing for air circulation within the bottle.

2,419,041
FILM DATA PROJECTION DEVICE
George R. Stewart, Los Angeles, Calif.
Application February 17, 1944, Serial No. 522,734
10 Claims. (Cl. 88—16)



1. In a system for projecting film measuring indicia, the combination of a first means for producing light, a second means for producing light, a projection lens, a motion picture projector, a footage counter adapted to be actuated by said projector as motion picture film is advanced therethrough, a clock adapted to be actuated by said projector as motion picture film is advanced therethrough, a screen on which said motion picture film is projected on a portion thereof for observation, means for illuminating said counter with light from said first light producing means, means for projecting light from said second light producing means from said clock and through said projection lens to a second portion of said screen, and means for simultaneously deflecting light from said counter to a third portion of said screen through said projection lens.

2,419,042
VACUUM DISTILLATION APPARATUS AND PRESSURE REGULATOR THEREFOR
Floyd Todd, Drexel Hill, Pa.
Application October 6, 1945, Serial No. 620,822
6 Claims. (Cl. 202—205)



2. In combination with an apparatus for fractional distillation, and a vacuum pump in communication therewith, a pressure regulator disposed between said vacuum pump and said distillation apparatus, said pressure regulator comprising two substantially vertically disposed tubes in communication with each other in their lower portion, so as to form a liquid trap, mercury disposed in said liquid trap, and means to regulate the angular disposition of said tubes with respect to the vertical, one of said tubes communicating with said pump and being of larger diameter than the other of said tubes, the other of said tubes communicating with said distillation apparatus, whereby the difference in elevation of said mercury in said trap may be regulated.

5. A pressure regulator comprising a support providing a pair of bearings, an elongate closed glass container having laterally extending glass journals integral with said container at its upper portion for cooperation with said bearings, mercury in the lower portion of said container, a tube disposed in said container and having its lower open end extending into said mercury, an upwardly extending glass arm integral with said container and projecting from the side of said container in a plane substantially perpendicular to the axis of said journals, and an adjusting ew mounted in said support and engaging said arm for regulating the angular inclination of said container, said arm being curved so that the portion thereof engaged by said adjusting screw is approximately perpendicular to the axis of said adjusting screw throughout the various angular positions assumed by said container in normal operation.

2,419,043
COMBUSTIBLE SYNTHETIC RESINS
Thaddeus Urbanski, London, England
No Drawing. Application May 25, 1943, Serial No. 488,456. In Great Britain June 5, 1942
8 Claims. (Cl. 260—67)

1. The process for the production of combustible, synthetic resins which comprises reacting a nitro-compound of the formula:

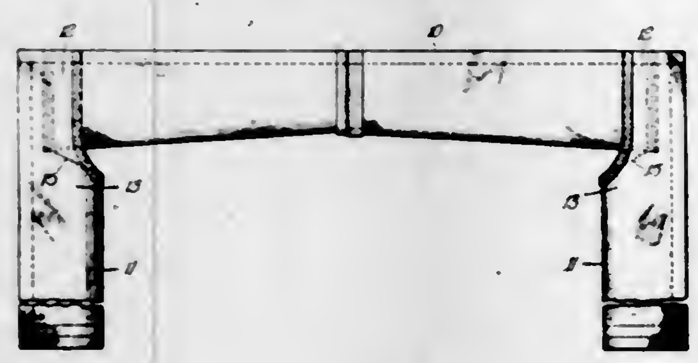
$$R.CX_2.NO_2$$

wherein R denotes a radical selected from the group consisting of H—, alkyl and aryl, and X denotes a radical selected from the group consisting of H—, and methylol, with ammonia in amount equal to between 0.5 and 2 moles per mole of the nitro compound and with a quantity of formaldehyde between the limits A and A′, where the values of A and A′ are based upon the following equations:

$$A=2—Y \text{ and } A'=4—Y$$

where A and A′ are the number of moles of formaldehyde reacted per mole of said nitro-compound and Y is the number of alpha methylol groups in said nitro compound, at a temperature between 15° and 150° C. until resinification is complete.

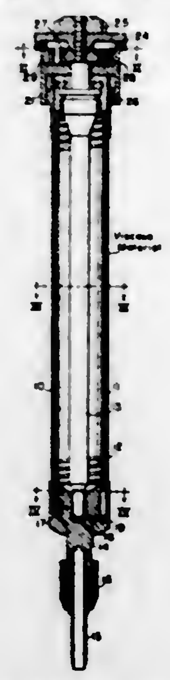
2,419,044
RAILWAY CAR DIAPHRAGM
John A. Wendland, Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill., a corporation of Illinois
Application October 24, 1945, Serial No. 624,188
4 Claims. (Cl. 105—18)



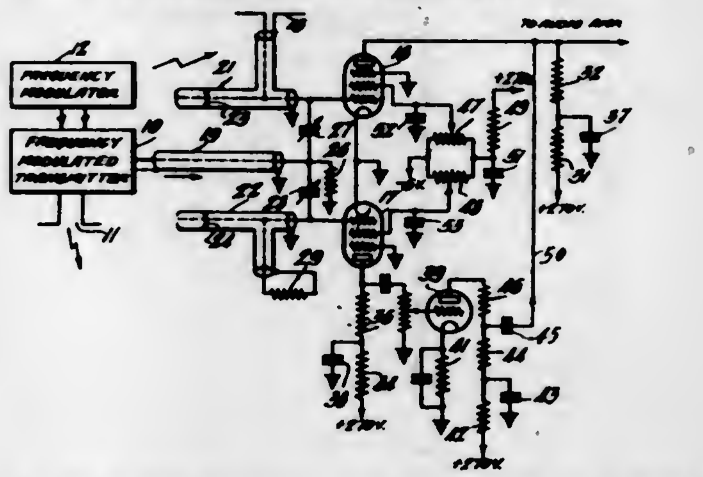
1. In a railway car diaphragm of the accordion type, separate top and leg channel members of flexible sheet material, which members are of outwardly opening cross section and are collapsible and extensible in a direction at right angles to their lengths, the ends of the top member extending laterally into the upper ends of the leg members, and the upper ends of the leg members being centrally relieved to provide upwardly opening recesses for the free reception of the ends of the top member, and corner pieces of relatively thin soft pliant material which are secured along certain of their edges to the edges of the ends of the top member and along their remaining edges to the edges of the recesses in the upper ends of the leg members, with the corner pieces loosely sleeved back under the ends of the top member in variably divergent relation thereto depending upon the degree to which the diaphragm is collapsed or extended.

2,419,045
SPRING-DRIVEN ROTATABLE SURGICAL CUTTER WITH HAND PRESSURE SPEED CONTROL
Charles C. Whittaker, Pittsburgh, Pa.
Application January 4, 1947, Serial No. 720,151
7 Claims. (Cl. 128—305)

1. A surgical instrument comprising a cylindrical casing, a cylindrical tube rotatably disposed in said casing, a cutting tool driven by said tube, a helical spring for storing energy to rotate said tube, and means disposed at one end of the casing for winding the spring, the wall of said casing being depressible to frictionally engage said tube to control its rate of rotation.



2,419,046
FREQUENCY MODULATED ALTIMETER OR DISTANCE INDICATOR
Irving Wolff and Royden C. Sanders, Jr., Haddonfield, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application May 29, 1942, Serial No. 445,010
6 Claims. (Cl. 250—1.68)

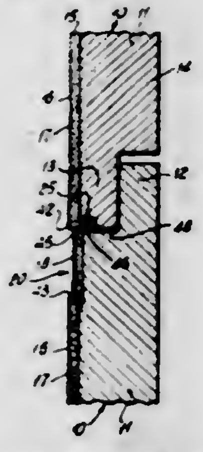


2. A radio system comprising means for transmitting a carrier wave to a reflecting surface, a receiver for receiving said wave after reflection from said surface, a frequency responsive device, said receiver comprising a heterodyne detector, means for applying said reflected wave to said detector, means for also applying said carrier wave directly from said transmitter to said detector whereby any difference in the frequencies of the waves applied to said detector appears as a difference or beat frequency signal which may also contain an amplitude modulation signal, and means for balancing out said amplitude modulation signal while supplying said beat frequency signal to said frequency responsive device.

2,419,047
CONCEALING SIDING PANEL JOINT
Erving M. Young, East Orange, N. J., assignor to The Patent and Licensing Corporation, New York, N. Y., a corporation of Massachusetts
Application March 27, 1945, Serial No. 585,049
5 Claims. (Cl. 20—5)

1. A siding member adapted to be applied to a building wall in interfitted horizontal alignment

with like members, comprising a rigid base panel of rectangular configuration having a rabbeted recess extending longitudinally on the exposed face thereof along one longitudinal margin, said face including said recess being coated with a layer of asphalt and surfaced with mineral granules, the granules being of one color along narrow linear portions simulating mortar joints and being of a contrasting color along spaced areas simulating bricks arranged in horizontal rows in staggered order, the spaced brick formations in the row immediately adjacent said longitudinal margin each having said surfaced coating layer thereon extending into and filling the rabbeted recess to the full depth thereof, the exposed surface of said surfaced coating layer in said rabbeted recess lying in substantially a common plane with the exposed surface of said surfaced coating layer on the last named row of brick formations.



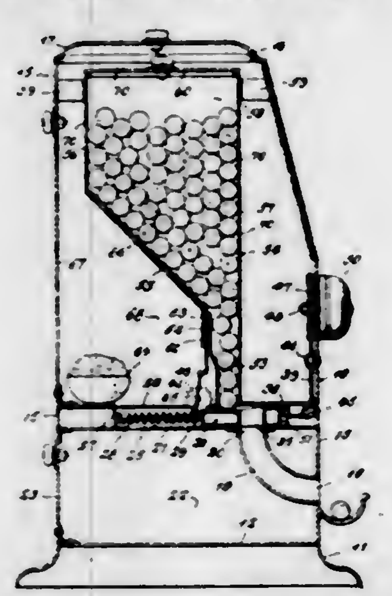
2,419,048
PAINT
Harlan E. Althouse, Belleville, N. J., assignor to L. Sonneborn Sons, Inc., a corporation of Delaware
No Drawing. Application June 1, 1944, Serial No. 538,326
2 Claims. (Cl. 106—287)

1. A novel paint composition substantially nonthixotropic by reason of water content therein, comprising a water containing oleo-resinous paint normally thixotropic as the result of absorbed water content and from 0.065% to 0.28% of an alkali metal petroleum mahogany sulfonate for every 0.5% of water content calculated on the weight of the total paint composition.

2,419,049
METAL SUPPORTED GLASS WINDOW
Daniel Alpert, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 29, 1943, Serial No. 480,990
3 Claims. (Cl. 189—36.5)

1. In combination, a metal body having a passageway therein, a metal plate having a peripheral shape of substantially the same outline as but sufficiently smaller than that of said passageway to permit said plate to be secured across and substantially centrally within said passageway by soft solder in the space between the periphery of the plate and the walls of the passageway, said plate being so secured and having an opening therethrough, and a glass member filling said opening with a vacuum tight fused seal at the edges of said opening between said member and plate, said member having substantially the same coefficient of expansion as said metal plate and being located substantially within the boundaries formed by the planes of the surfaces of said plate.

2,419,050
DISPENSING MACHINE
Norman D. Ashwood, Victoria, British Columbia, Canada
Application June 22, 1945, Serial No. 601,042
3 Claims. (Cl. 312—47)

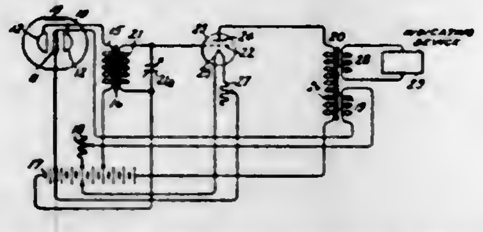


1. A vending machine comprising a cabinet structure, a hopper within the cabinet including a downwardly opening chute, a guide way longitudinally of the cabinet and disposed beneath said chute, said guide way having an opening in registry with said chute, an ejector movable along said guide way and including an article receiving trough, spring means for holding said ejector in article receiving position beneath said chute, a second chute within the cabinet in article receiving relation to said ejector and having a discharge end exteriorly of the cabinet, operative means exteriorly of the cabinet and connected to said ejector to draw the latter along said guide way into discharge position with said second named chute, a flexible strap disposed upon the bottom of said hopper, a lever connected to the lower end of said strap, and said lever having operative connection with said ejector whereby to vertically move said strap upon sliding movement of the ejector.

2,419,051
HYDROLYSIS OF ACETONE AUTO-CONDENSATION PRODUCTS
Seaver A. Ballard, Oakland, and Vernon E. Haury, El Cerrito, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application December 5, 1944, Serial No. 566,782
6 Claims. (Cl. 260—586)

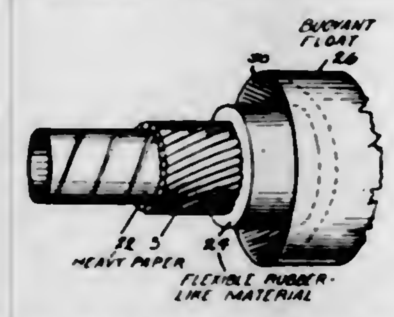
1. A process for obtaining isophorone and acetone which comprises contacting in liquid phase acetone auto-condensation products consisting substantially of compounds having higher boiling point than isophorone with an aqueous solution containing 0.5% to 25% by weight of an alkali metal hydroxide at a temperature of 130° C. to 235° C.

2,419,052
THERMIONIC ENERGY DETECTOR
Howard I. Becker, Rexford, N. Y., assignor to General Electric Company, a corporation of New York
Application September 30, 1943, Serial No. 504,485
6 Claims. (Cl. 250—83.3)



1. A thermionic radiant energy detecting apparatus comprising an electric discharge device having an anode and a thermo-sensitive electron emissive cathode, electric heating means for said cathode comprising a source of unidirectional potential, means for exposing said cathode to pulsating thermal radiant energy, said cathode controlling the anode current of said discharge device in accordance with instantaneous variations in intensity of said pulsating radiant energy, and means connected in series circuit relation between said cathode and said source of unidirectional potential for deriving from said anode current an alternating potential of like frequency and time phase relation with the pulsations of said radiant energy, thereby regeneratively to increase the response of said discharge device to said radiant energy.

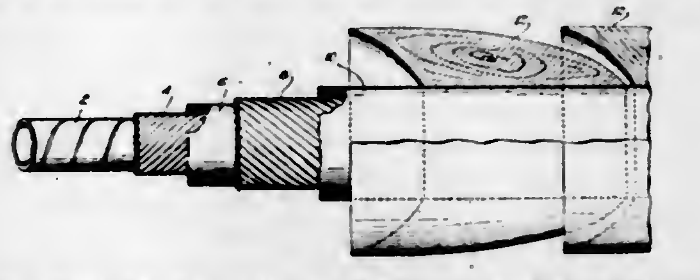
2,419,053
BUOYANT ELECTRIC CABLE
Charles E. Bennett, Ridgewood, N. J., assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J., a corporation of New Jersey
Application July 3, 1942, Serial No. 449,574
3 Claims. (Cl. 174—.15)



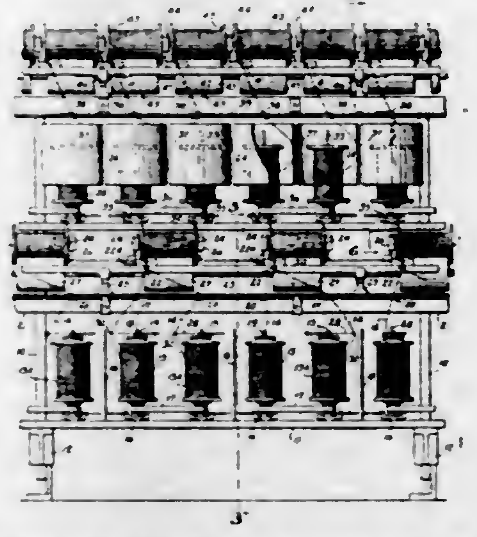
1. An electric cable in which the weight to volume ratio is such as to render the same buoyant, said cable comprising in combination a continuous water pervious tubular member, conductor strands laid up about said tubular member or core, a sheath of insulating material about said conductor strands, and floats threaded upon said sheath and rigidly secured thereto, the adjacent ends of said floats telescoping each other while permitting of their relative angular movement to provide a flexible structure.

2,419,054
ELECTRIC CABLE
Charles E. Bennett, Ridgewood, N. J., assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J., a corporation of New Jersey
Application September 26, 1942, Serial No. 459,762
3 Claims. (Cl. 174—24)

1. A flexible electric cable comprising in combination a hollow core, a conductor stranded about said core, a flexible insulating layer of rubber-like material about said conductor, a seecond conductor stranded about said insulating layer, a flexible insulating layer of water impermeable rubber-like material over said second conductor, floats strung upon said last mentioned insulating layer, and an air compressor for supplying air to the interior of said core in such volume as to maintain the core under superatmospheric internal pressure, the weight to volume ratio of the cable being such as to render the same buoyant in water.



2,419,055
APPARATUS FOR MAKING CORD AND THE LIKE
Alden H. Burkholder, Cleveland, George P. Standley, Cleveland Heights, and Kenneth M. McLellan, Cleveland, Ohio, assignors to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware
Application May 1, 1944, Serial No. 533,502
1 Claim. (Cl. 57—62)



An up-twisting apparatus comprising a structure having at least two decks, a lower deck and and upper deck, at least two spindles on said lower deck adapted to hold yarn supply packages, means for simultaneously rotating said packages at identical speeds, fliers for frictionally engaging the yarns as they are withdrawn from said supply packages, said fliers being positioned on said spindles above said supply packages and being adapted to substantially prevent the twist imparted to said yarns from backing up to the supply packages, yarn guides axially disposed above said supply packages, said yarn guides and said fliers determining the twisting zone of the yarns from said supply packages, a traverse bar above said supply packages, a guide on said traverse bar being adapted to collect said separately simultaneously up-twisted yarns, a traversing guide on said traverse bar through which said collected yarns pass in a substantially parallel relation, a collecting package for said collected yarns, means for peripherally rotating said collecting package, said traversing guide being adapted to direct the winding of the collected substantially parallel up-twisted yarns on said collecting package, a spindle on said upper deck for mounting said collecting package, means for rotating said collecting package in an opposite direction for imparting a ply twist to the collected yarn, a cylinder surrounding said rotating package for substantially restraining the ballooning of the collected up-twisted yarn, an axially disposed guide above said collecting package, the twisting of said collected yarn occurring substantially between said guide and the yarn take-off point on said collecting package, a peripherally driven take-up package for said up-twisted yarn, a traverse bar above said collected yarn package, and a traversing guide on said traverse bar for directing the winding of the up-twisted yarn on said take-up package.

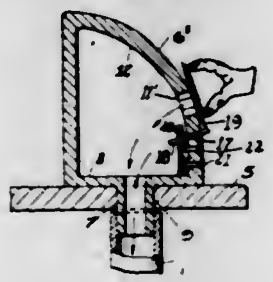
2,419,056

MICA SPLITTING PROCESS AND APPARATUS

Harry H. Burton, Worcester, Mass., assignor, by mesne assignments, to Aerovox Corporation, a corporation of Massachusetts

Application February 19, 1943, Serial No. 476,435

24 Claims. (Cl. 125—24)



1. The herein described treatment of sheet mica in book or block form to facilitate its splitting or filming, which consists in immersing the mica in water containing an aliphatic ester of sulfodicarboxylic acid in sufficient amount to materially reduce the surface tension of the water and prolonging said immersion substantially in proportion to the strength of the natural bond or adhesion between the laminations of said material.

12. A device for use in the splitting or filming of sheet mica, comprising a stationary body having suction apertures adapted to support and hold stationary a mica book by contact with a face thereof near one edge, said body providing a fulcrum for the planar tilting of said book, between the latter's free edge and said suction apertures, and means on the opposite side of said suction apertures from said fulcrum to pierce said book edge in a plane of cleavage at a predetermined spacing from the suctionally-held outer surface area.

2,419,057

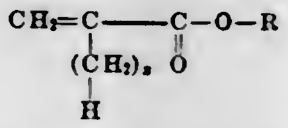
VINYL FURANE COPOLYMERIZATION PRODUCTS

Albert M. Clifford, Stow, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware

No Drawing. Application May 20, 1943, Serial No. 487,809

3 Claims. (Cl. 260—84)

1. A copolymer of 25 to 75 per cent of vinyl furane and 25 to 75 percent of a compound having the molecular structure



$$CH_2=\underset{\substack{|\\(CH_2)_x\\|\\H}}{C}-\underset{\substack{\|\\O}}{C}-O-R$$

wherein R is an alkyl radical and x is a whole number from 0 to 3 inclusive.

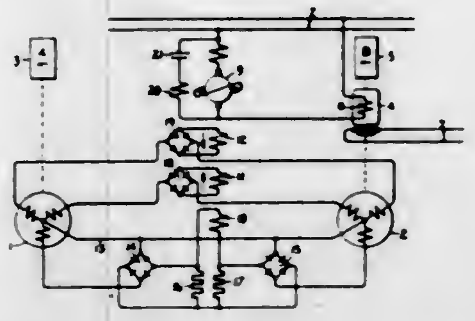
2,419,058

POLYPHASE SPEED SYNCHRONIZING SYSTEM FOR A PLURALITY OF ROTATING MACHINES

Frederick E. Crever, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

Application July 13, 1944, Serial No. 544,779

14 Claims. (Cl. 172—293)



1. In combination, a pair of separately-driven polyphase alternators, means for changing the speed of one alternator, a pair of differentially-acting control elements for said speed-changing means, means for energizing one of said elements in accordance with the vector resultant of a phase voltage of each of said alternators, and means for energizing the other of said elements in accordance with the vector resultant of another phase voltage of each of said alternators, said vector resultants changing in magnitude oppositely with a change in relative phase of said alternators, said control elements neutralizing each other when said alternators are in phase.

2,419,059

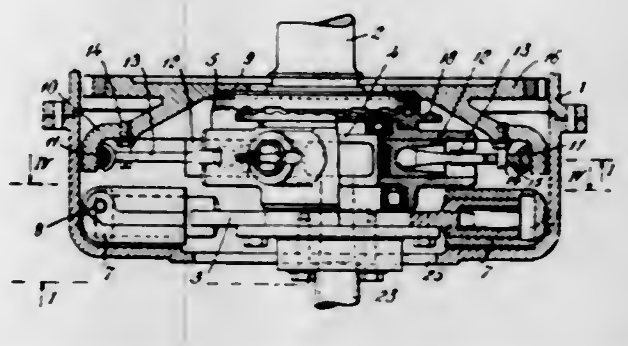
APPARATUS FOR THE HYDRAULIC TRANSMISSION OF POWER

Charente Pierre Reenen de Villiers, Tokai, Cape Town, Cape Province, Union of South Africa

Application July 12, 1941, Serial No. 402,146

In Great Britain July 16, 1940

13 Claims. (Cl. 103—161)



1. An apparatus comprising a plurality of radially disposed cylinders in a block rotatable about a valve-ported shaft, plungers in the cylinders, an outer annular member having a bearing surface for each plunger so arranged as to control the movement of the plungers, said annular member being connected to a power-transmitting shaft, slide means connected to the valve-ported shaft to slide said shaft at right angles to the power-transmitting shaft to give eccentric adjustment to the cylinders with respect to said outer annular member to vary the strokes of the plungers, a self-adjusting coupling having a coupling flange connected to the cylinder block with at least one rib or one groove on its face, another coupling flange connected to the power-transmitting shaft having at least one rib or one groove on its face, and a coupling member interposed between said flanges having at least one rib or one groove on one face in engagement with a corresponding rib or groove on one flange and at least one rib or groove on its opposite face in engagement with a corresponding rib or groove on the other flange, said ribs or grooves on the opposite faces of the coupling member being disposed at right angles to each other whereby the coupling member is in slidable engagement with the flanges.

2,419,060

METHOD FOR MAKING COLLOIDAL DISPERSIONS OF A RUBBERLIKE REACTION PRODUCT OF AN INORGANIC POLYSULFIDE AND AN OLEFIN DIHALIDE

John Edwardes, Detroit, Mich., assignor to Clare L. Brackett, Detroit, Mich.

No Drawing. Application October 31, 1942, Serial No. 464,142

5 Claims. (Cl. 260—6)

1. The method of preparing in substantially reduced particle size an aqueous dispersion of a rubber-like reaction product of an inorganic polysulfide and an olefin dihalide from a water-containing flocculate thereof which comprises admixing with said flocculate a substantial proportion of an alkaline solution of a protective colloid and a wetting agent, adding to said mixture during vigorous mechanical agitation a reagent for swelling said polysulfide reaction product, whereby a dilated homogeneous heavy mass is obtained, adding to said mass a substantial proportion of water, subjecting the resultant mixture to vigorous mechanical agitation, and removing said swelling reagent.

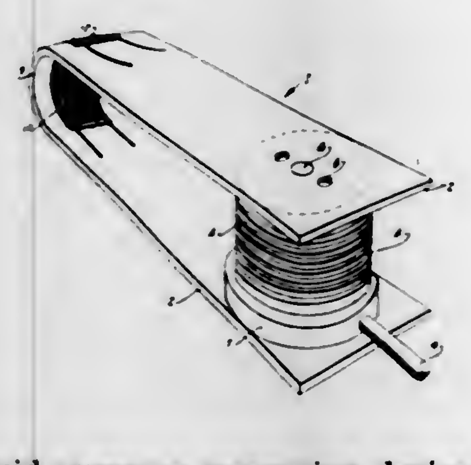
2,419,061

PRESSURE OPERATED ELECTRIC STRAIN GAGE

Albert H. Emery, Stamford, Conn., assignor to The Baldwin Locomotive Works, a corporation of Pennsylvania

Application September 22, 1944, Serial No. 555,356

3 Claims. (Cl. 201—48)



1. A fluid pressure measuring device comprising a substantially U-shaped flexible member having opposed leg portions connected by a substantially semicircular transverse portion, a fluid pressure expansible device disposed between said opposed leg portions and engageable therewith to subject the U-member to strain during expansion or contraction of the expansible member, and strain responsive means comprising a bonded resistance wire gage extending around the surface of said transverse portion so as to be responsive to strains induced therein upon relative movement between the opposed legs by fluid pressure in the bellows.

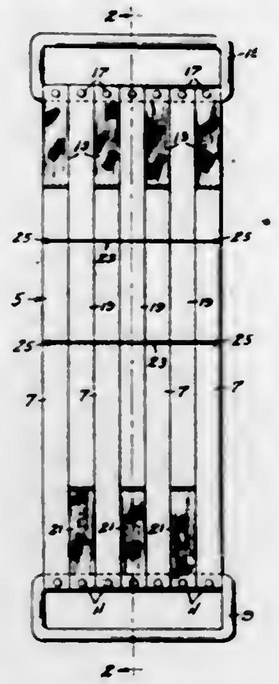
2,419,062

SCALP MASSAGER

Edward E. Farley, Pocatello, Idaho

Application August 20, 1945, Serial No. 611,467

4 Claims. (Cl. 128—63)



1. A device of the character described comprising strips of non-elastic material connected at oppositely disposed ends to handles the other of their ends being fastened to elastic strips having their alternate ends connected to said handles.

2,419,063

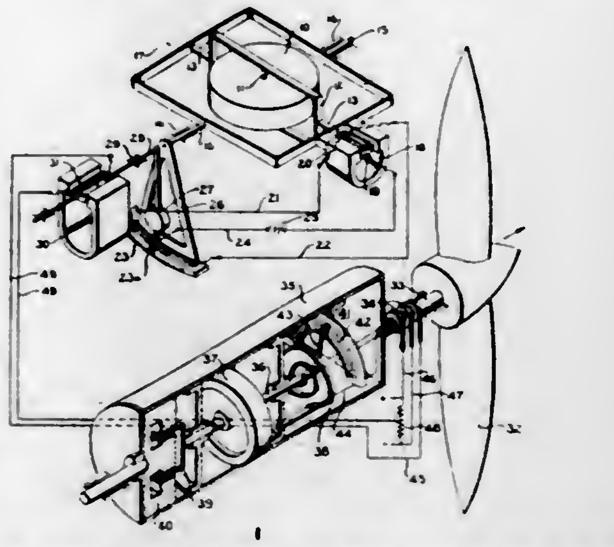
GYROSCOPE CONTROL

Franz Fischer, Berlin-Wilmersdorf, Germany; vested in the Attorney General of the United States.

Application November 10, 1939, Serial No. 303,734

In Germany November 10, 1938

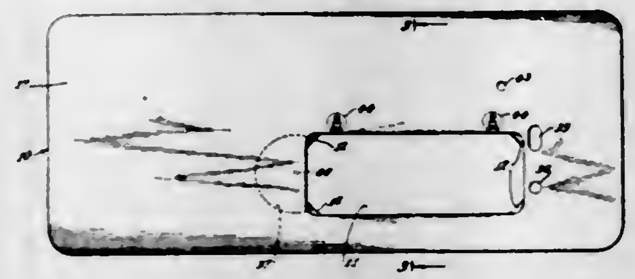
3 Claims. (Cl. 74—5)



1. The combination with a gyro rotor in a gimbal ring suspension of means for exerting a stabilizing force thereupon, true vertical defining means, means for governing the first named means in response to movements of the plane of the rotor relative to the true vertical defining means, means actuable by electricity for exerting a stabilizing moment upon the true vertical defining means; a generator including an armature and pole shoes, a flywheel drivably connected to the armature, a propeller drivably connected to the pole shoes, and means for electrically connecting the generator and said means actuable by electricity.

2,419,064
SEWING MACHINE TABLE BOARD

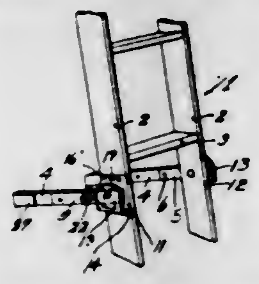
John W. Fite and Patrick M. French, Nashville, Tenn., assignors to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application May 30, 1944, Serial No. 538,050
5 Claims. (Cl. 311—12)



4. A table board for a sewing machine comprising a plurality of lengths of wood disposed in side abutting relation and joined together to form a unitary base structure, the upper surfaces of said lengths of wood being substantially coplanar and constituting the upper surface of the base, a sheath of thermo setting plastic material comprising a phenol-laminated product, said sheath being coextensive with and secured in adhering relation to at least the upper surface of the base, at least one continuous opening extending through the base and the sheath for receiving part of the sewing machine, and a coating of an oil impervious substance comprising aluminum paint on the portions of the base that are free of the plastic material.

2,419,065
LADDER BRACE

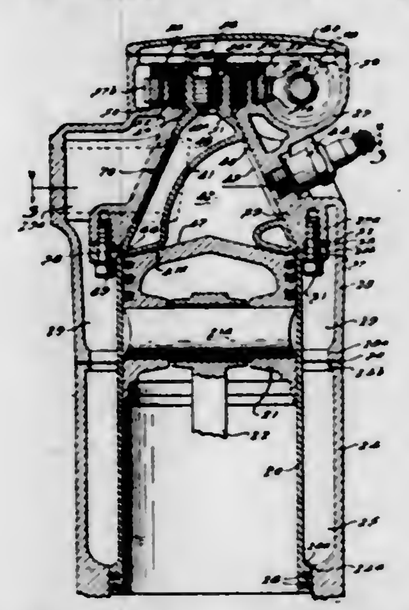
Victor M. Fowler, Spokane, Wash.
Application February 1, 1946, Serial No. 644,910
6 Claims. (Cl. 228—60)



1. In combination with a ladder having side rails and steps between the side rails, means for preventing the ladder from slipping comprising brackets carried by the side rails of the ladder and having portions projecting rearwardly therefrom and formed with openings, ears spaced outwardly from said brackets and having shoulders at their lower ends and depending feet secured to the brackets, bars having front end portions fitting between the brackets and the ears, U-shaped shoes straddling the front end portions of said bars longitudinally thereof with their arms engaging inner and outer side faces of the bars, the arms of said shoes being formed with aligned openings and each bar being formed with a pocket between the openings of its shoe pins slidably passing through the openings of the shoes and the pockets of the bars and having heads at their outer ends, springs about the pins within the pockets, disks carried by the pins within the pockets and engaged by the springs to urge inner ends of the pins from the bars to position for engaging through openings of the brackets and hold to bars in a rearwardly extending position for engagement of their rear ends with the ground, the bars being tiltable upwardly to a folded position against side rails of the ladder when the pins are withdrawn from the openings in the brackets, cleats having side flanges and having rear ends formed with ground-engaging teeth, and bolts passing vertically through the bars and slots of said cleats and mounting the cleats for adjustment longitudinally of the bars.

2,419,066
ENGINE

Clarence E. Frank and Raymond A. Wyatt, Detroit, Mich., assignors to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application November 22, 1943, Serial No. 511,276
14 Claims. (Cl. 123—173)



9. In an internal combustion engine, a cylinder, a cylinder jacket embracing the cylinder, a cylinder head having a housing provided with a generally frusto-conical cavity, a generally frusto-conical valve in said cavity, a jacket extending around said housing and joined to said cylinder jacket, means for securing said cylinder and valve housing together, and abutting portions on the valve housing and cylinder adapted to restrain lateral expansion of the housing

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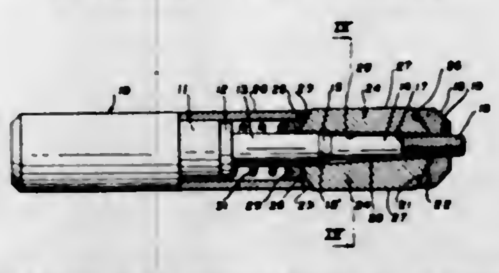
2,419,067
EXPANSIBLE HONING TOOL

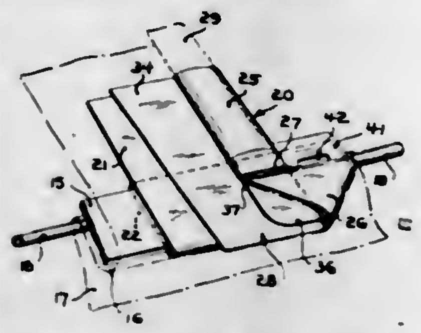
Jack Gazolas, Chicago, Ill., assignor of one-half to Mario Marin, Chicago, Ill.
Application October 30, 1944, Serial No. 560,948
4 Claims. (Cl. 51—184.3)



1. A honing tool comprising in combination, a body member having an axial cylindrical stepped stud presenting spaced peripheral shoulders and a spaced sleeve, said sleeve being provided with straight channels therein extending to an end thereof opposite the driven end of the body member, a plurality of honing members having inwardly inclined ends in said channels to rest on said spaced peripheral shoulders, said honing members having inclined bottom edges to contact said cylindrical stepped and spaced shoulders on said stud, a movable member having a concave surface movable along said stud in engagement with the inclined inner ends of the honing members and in cooperative relation with the body member, an end member having a concavity to engage the outer ends of said honing members and the sleeve end of said body member, said last named member being in threaded engagement with said stud to cooperate therewith in adjustably supporting said honing members, and means for urging said movable member against said honing member.

2,419,068
HEMMING ATTACHMENT FOR AUTOMATIC FEEDING AND SEWING MACHINES

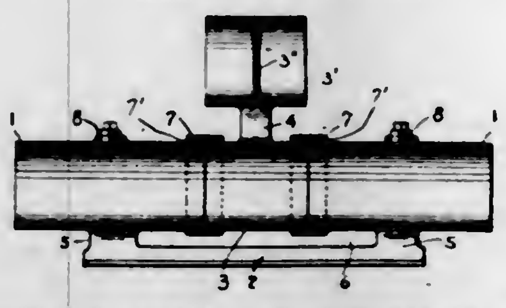
Henry Gensheimer, New York, N. Y.
Application April 9, 1945, Serial No. 587,286
6 Claims. (Cl. 112—141)



1. A compact two way hemming attachment, comprising a transverse folding bar for forming a transverse fold in a moving web of cloth material, a transverse guide rod beneath said folding bar for guiding said cloth web to said bar, and adjacent thereto a folding member mounted on one end of said folding bar and having a base wall with a bottom flange bent rearwards from the front edge thereof and covering the front edge of said folding bar at one end, said base wall having its outer end continuing into an end curved portion which continues into an overhanging top portion and said bottom flange continuing over said overhanging top portion into a triangularly shaped bending and reversing portion, and an internal bending portion mounted within said overhanging top portion for forming an edge fold longitudinally along one edge of said moving web.

2,419,069
PIPE FITTING

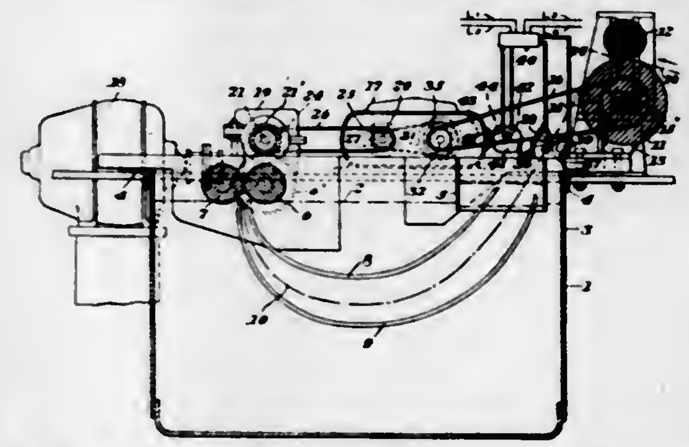
Timothy G. Griffin, Bronxville, N. Y., assignor to Griffin Wellpoint Corporation, New York, N. Y., a corporation of New York
Application August 22, 1944, Serial No. 550,536
1 Claim. (Cl. 251—167)



A composite pipe fitting, comprising two short spaced longitudinally aligned pipe sections of the same diameter having a pedestal mount, said mount being provided at the ends thereof with neck connections with said pipe sections, thereby providing a slot between the mount and each pipe section, said mount having a horizontally extended base adapted to rest upon the ground or other support, two tubular nipples of the same diameter as each other and that of said pipe sections and having a neck connection, one of said nipples being interposed between said pipe sections and open to passage of fluid therethrough and the other being supported by its neck connection directly above the first named nipple, closed to such passage and interchangeable in the pipe line with the first named nipple, and tubular couplings spanning the joints between and having leak tight engagement with the pipe sections and said nipples, said couplings extending through the slots between the mount and the pipe sections and being longitudinally adjustable upon the latter.

2,419,070
STRIP COATING APPARATUS

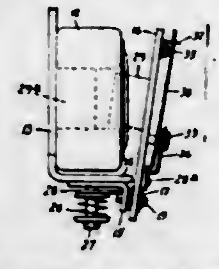
Arnold C. Grunke, Apollo, and Earll R. Muddiman, Wilkinsburg, Pa., assignors to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
Application August 28, 1944, Serial No. 551,494
7 Claims. (Cl. 91—12.7)



1. In a coating device of the class described comprising in combination a pot for holding a bath of coating material, and base material conveying means comprising means for feeding a continuous length of base material to be coated into the pot, and means for withdrawing the coated base material from the pot, the improvement which comprises means for driving the feeding means, means for driving the withdrawing means, speed change mechanism in the train of the driving means for one of the base material conveying means, and means operated by the base material passing through the coating bath when such material deviates from the normal path of travel to effect a change in the speed ratio of the speed change mechanism, whereby the speed of the conveying means driven by the speed change mechanism is altered to restore the base material to its normal path of travel.

2,419,071
ELECTROMAGNET

Chester I. Hall, Vischer's Ferry, N. Y., assignor to General Electric Company, a corporation of New York
Application May 2, 1944, Serial No. 533,688
3 Claims. (Cl. 175—336)

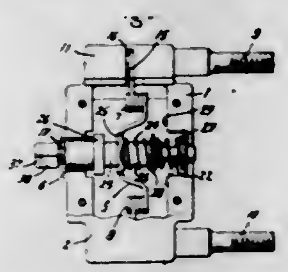


1. An electromagnet comprising an operating coil, a magnet core member for said coil, an ar-

mature for said coil including a supporting portion provided with a hole, a member made of resilient material extending through said hole and provided with flanges on opposite sides of said supporting portion constructed and arranged to grip said supporting portion between them, said resilient member being provided with a central aperture, a support for said armature, and a bolt member secured to said support extending through said aperture for compressing said resilient member against said support thereby to secure said resilient member and said armature to said support so that said armature is biased by said resilient member to its unattracted position away from said coil, said resilient member flexing upon energization of said coil to provide for movement of said armature to its attracted position about an axis substantially at right angles to said bolt member.

2,419,072
ELECTRIC SWITCH

Chester I. Hall, Vischer's Ferry, N. Y., assignor to General Electric Company, a corporation of New York
Application June 8, 1945, Serial No. 598,331
2 Claims. (Cl. 200—168)



1. A switch comprising two enclosure members made of electrically insulating material each of said members being provided with a cavity, a stationary contact member secured to one end of each of said enclosure members and extending into the cavity in said enclosure member, means for securing said members together in reversed end relation with one end of each member engaging an opposite end of the other member and with said contact members at opposite ends thereby to form a closed chamber having two stationary contacts at opposite ends of said chamber, said enclosure members being shaped to provide an opening, an operating member mounted in said opening, a contact member on said operating member cooperating with said stationary contacts, and a supporting electric terminal member secured to each of said enclosure members and electrically connected to the stationary contact on said enclosure member.

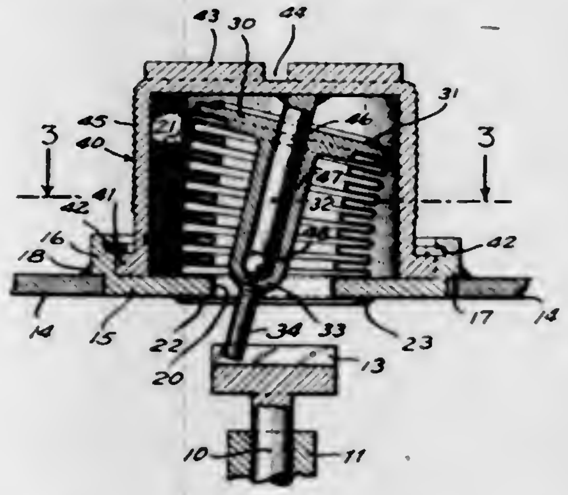
2,419,073
METHOD FOR CONTROLLING PARASITES IN SOIL

Oscar H. Hammer, South Haven, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application January 30, 1943, Serial No. 474,175
4 Claims. (Cl. 47—58)

1. A method for preventing the attack of growing plants by borer and soil organisms including the step of applying in contact with the soil and adjacent to the plant a composition comprising a volatile liquid halohydrocarbon dispersed in and on a coarsely subdivided solid carrier the average particle size of which is at least 1/64 inch in diameter.

2,419,074
DEVICE FOR INTRODUCING MOTION INTO SEALED INSTRUMENTS

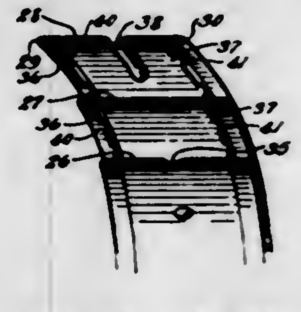
Frederick D. Herbert, Jr., Upper Montclair, N. J., assignor, by mesne assignments, to Kearfott Company, Inc., New York, N. Y., a corporation of New York
Application July 21, 1945, Serial No. 606,418
2 Claims. (Cl. 286—29)



1. A device for transmitting rotary motion to a rotary member within a sealed casing from an external member, comprising a plate having a hole therein and adapted to be hermetically attached to a casing, a cap covering said hole and bearing with its open end on the plate for rotative movement about its axis, a flexible bellows in the cap having one end attached to the plate about the hole and sealed thereto, a head attached to and sealing the other end of the bellows and having an axial extension on its inner face protruding through the hole in the plate and having an axial bore for a portion of its length at its attached end, and an angularly disposed pin attached to the head of the cap and entered into said bore.

2,419,075
TIRE BEAD LOCK

Frank Herzegh, Shaker Heights, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application August 17, 1943, Serial No. 498,946
3 Claims. (Cl. 152—400)



1. A locking ring for the bead portions of a pneumatic tire casing, said ring comprising a plurality of radially superimposed laterally stiff bands circumferentially relatively flexible independently of one another, each band being folded closely upon itself at its margins providing thin rounded edges for exerting pressure against the bead portions of the tire, at least one of said bands having radially inwardly directed flanges formed integrally therewith at its margins adapted to space it from an adajcent band, said flanges extending in the circumferential direction and having notched portions to provide circumferential flexibility.

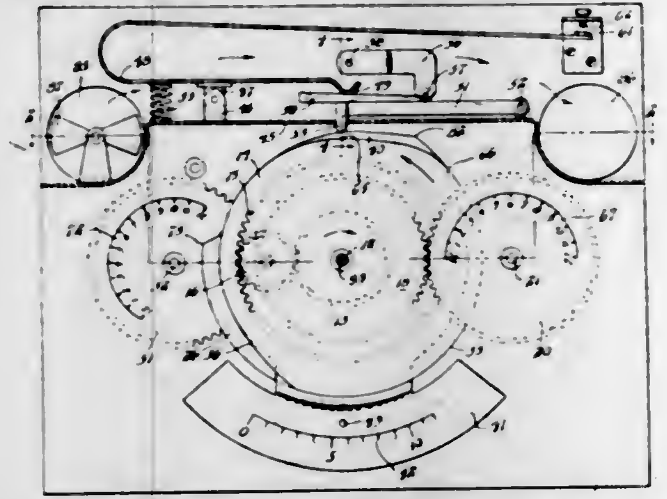
2,419,076
REMOVAL OF CARBONACEOUS DEPOSITS

Franz A. Horsley, Martinez, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application March 6, 1944, Serial No. 525,326
12 Claims. (Cl. 134—27)

9. In a method for removing porous carbonaceous deposits resistant to the action of strong sulfuric acid from surfaces to which they adhere, the step comprising reacting within the interstices of said carbonaceous deposits an inorganic carbonate solution and an acid having a dissociation constant not less than approximately 10^{-5}, thereby generating carbon dioxide gas within said interstices.

2,419,077
TIME OPERATED SWITCH

Siegfried G. Isserstedt, Toronto, Ontario, Canada, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application March 26, 1943, Serial No. 480,676
25 Claims. (Cl. 200—139)

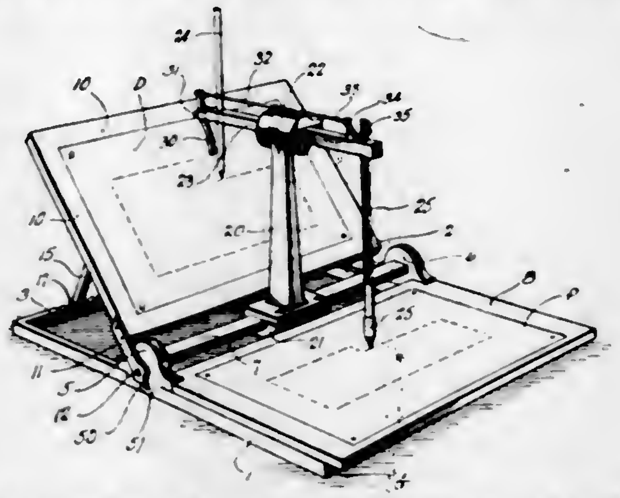


1. A device of the character described comprising in combination, a condition responsive element, motor means, a member driven by said motor means, an adjusting member, operating means between said driven member and said adjusting member whereby a given movement of said driven member will produce a corresponding movement of said adjusting member, said adjusting member adjusting the setting of said condition responsive element upon a predetermined movement of said driven member, a fixed support, and means mounted on said fixed support for moving said operating means to cause a movement of said adjusting member independently of said driven member.

2,419,078
DRAFTING DEVICE FOR DRAWING PROJECTIONS

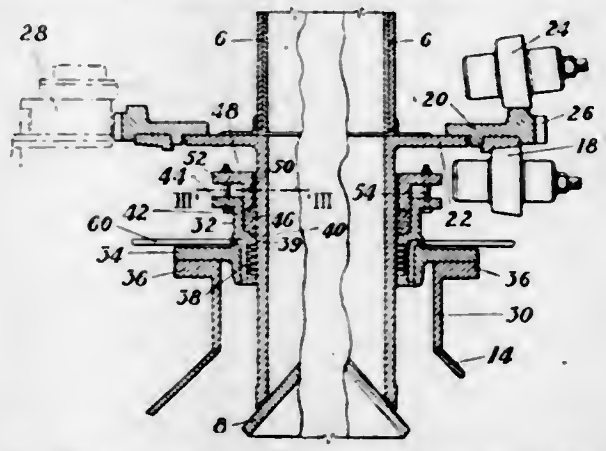
Jessie T. Ivy, Seattle, Wash.
Application June 16, 1944, Serial No. 540,582
4 Claims. (Cl. 33—24)

1. A drafting device comprising a pair of base boards each having a plane surface, disposed side by side and hingedly joined at adjacent edges for relative adjustment of the plane surfaces to different angular relationships between 180° and 90°, a bar extended along the hinge axis and fixed relative to one board, a standard mounted on and movable along the bar, a cross rod carried by the standard for endwise movement therein in a direction at a right angle to the direction of the said bar, a stylus mounted by the cross rod at one end for tracing the lines of a drawing applied to the plane surface of one board, and a marker carried by the other end of the cross rod to draw a projection of the traced drawing on the plane surface of the other board.



2,419,079
SEALING DEVICE

Charles Henry Jaxtheimer, North Braddock, Pa., assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
Application December 4, 1944, Serial No. 566,446
7 Claims. (Cl. 266—27)



7. In the combination comprising an inner cylindrical member, an outer member having an opening into which the inner member projects, the inner and outer members being rotatable relative to each other, said inner and outer members constituting at least part of a closure which is exposed on one side to a particle carrying fluid, a fluid seal which comprises an integral spider constituting the portion of the outer member which confronts the inner member, said spider comprising a sleeve-like portion surrounding and spaced radially from the inner member to form a packing receiving pocket therebetween, a packing in said pocket and means to retain the packing against the inner member and the sleeve-like portion of the spider, said spider having a further portion adjacent the packing and between the packing and the particle laden atmosphere in the form of a wall surrounding the inner member, said wall having a plurality of continuous annular lands on its inner surface closely surrounding but slightly spaced from the inner member, said lands being separated by grooves of substantial depth, and means to introduce into the grooves at a pressure exceeding that of the particle laden fluid a relatively particle free fluid, whereby a current of the latter fluid away from the packing means and through the space between the inner member and the lands on the outer member is created to repel the particle laden fluid from the packing means.

2,419,080

METHOD OF COATING WITH ALKALI SILICATE

Charles E. Kraus, Sparks, Md.

No Drawing. Application July 28, 1942, Serial No. 452,605

3 Claims. (Cl. 117—46)

1. The method of coating an article comprising boiling vegetable fibers in an aqueous solution to release the lignin from the fibers and adding a water soluble silicate selected from the group consisting of sodium, potassium and ammonium and an inert filler and mixing the ingredients in the presence of water, the lignin being present in small proportion in relation to the silicate, and applying the composition to an article to be coated and drying the coating with a temperature ranging from 250° to 750° F., the lignin drying and forming pores in the fluid coating for the escape of the moisture, the pores formed by the lignin being closed upon the escape of the moisture, forming an impervious coating.

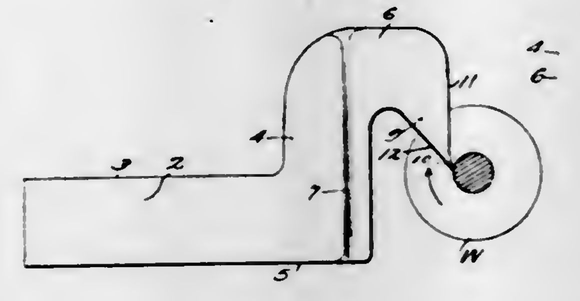
2,419,081

CUTTER FOR MACHINE TOOLS

Harry F. Messenger, Pomona, Calif.

Application July 21, 1944, Serial No. 545,910

2 Claims. (Cl. 29—95)



1. A machine tool, cutting off cutter having a main shank whose front end has an integral, rigid, upwardly projecting, perpendicular limb 4 provided at its front perpendicular face with a long neck portion of less thickness than the thickness between the side planes of the said shank and forming long frontal shoulders 7 from top to bottom of the shank and its said limb, the neck having at its uppermost end a cutting bit of about the same thickness between side faces as the said neck and which bit points as a hook toward the projected axis of the shank.

2,419,082

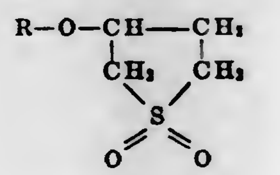
UNSATURATED ETHERS OF CYCLIC SULFONES

Rupert C. Morris, Berkeley, and Edward C. Shokal, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application June 6, 1942, Serial No. 446,130

5 Claims. (Cl. 260—329)

5. An alkenyl ether of 3-hydroxy thiolane-1,1-dioxide of the formula:



wherein R is an alkenyl group.

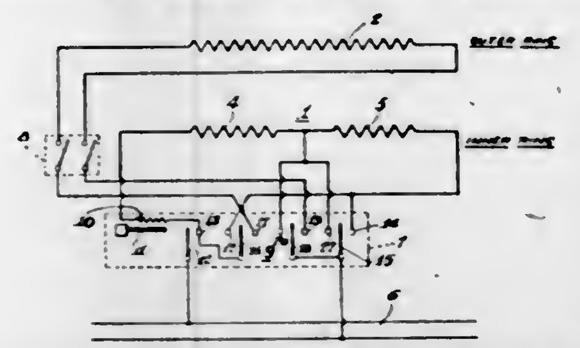
2,419,083

ELECTRICAL COOKING APPARATUS

Joseph W. Myers, Philadelphia, Pa., assignor, by mesne assignments, to Proctor Electric Company, Philadelphia, Pa., a corporation of Pennsylvania

Application January 12, 1943, Serial No. 472,114

6 Claims. (Cl. 219—20)



1. In an electrical cooking apparatus, an electrical cooking unit comprising inner and outer heating elements, each comprising two main sections and a low wattage section, an adjustable thermostatic control device, means normally connecting the main sections of each heating element in series through said control device and across the outer conductors of a three-wire supply line, means normally connecting the low wattage section of each heating element to said control device and to the neutral conductor of the supply line, means operative at will to connect the main sections of the inner heating element in parallel relation across said outer conductors and to exclude the thermostatic control device from the circuit of the inner heating element, thereby to flash the inner heating element at will, and means for rendering the entire outer heating element and the low wattage section of the inner heating element inoperative during the flashing of the inner heating element.

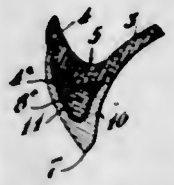
2,419,084

DENTURE

Simon Myerson and Martin Myerson, Brookline, Mass.

Application June 27, 1940, Serial No. 342,602

9 Claims. (Cl. 32—8)



2. As an article of manufacture and sale, a composite artificial tooth ready for use and comprising an enamel-simulating hollow shell having an incisal portion and labial and lingual walls defining an interior chamber, and a dentine-simulating, plug of organic material, which is normally hard but softer than the shell, filling the chamber in the latter, the gingival surface of said plug being exposed for direct molecular union with the support in forming a denture.

2,419,085

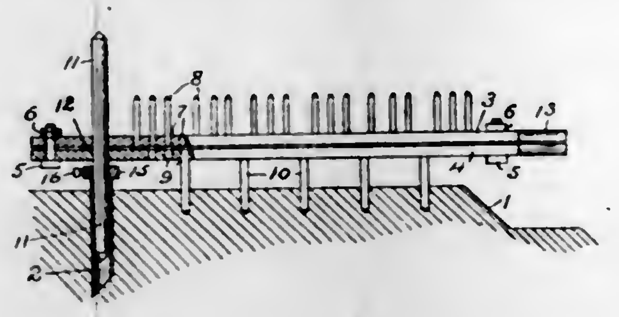
CIRCULAR ROW MARKER AND CULTIVATOR

Chelcie H. Newsom, Kansas City, Mo.

Application May 28, 1945, Serial No. 596,175

1 Claim. (Cl. 97—136)

In a cultivating implement, a tubular anchoring member adapted to be mounted vertically in the ground, a handle comprising two longitudinal parallel members each having through it a longitudinal row of transverse holes parallel with each other and with the other row of holes, two rows of headed spikes respectively extending in opposite directions through said two rows of holes with their heads located between said handle members, a pivot bar extending through and having projecting portions extending from opposite sides of said handle members and having fastened to it a collar located between said handle members, and means releasably holding said handle members clamped against the heads of said spikes and against said collar, said projecting portions of said pivot bar being adapted for being selectively removably pivoted in said tubular anchoring member for pivotally mounting said handle in either of two horizontal positions, in either of which one of said rows of spikes will be above the ground, and the spikes of the other row will extend downwardly into the soil and travel in concentric rows when said handle is swung on its axis.



2,419,086

PICKER STICK FOR LOOMS

David L. Norris, Sr., and William N. Cundiff, Greenville, S. C., assignors to Norris Brothers, Inc., Greenville, S. C., a corporation of South Carolina

Application January 18, 1945, Serial No. 573,352

1 Claim. (Cl. 139—157)

A picker stick comprising a piece of wood, having a slot extending longitudinally thereof and stopping short of the ends of the picker stick, said slot being cut all the way from the outer edge of the picker stick to the inner edge thereof, and a reinforcing member of compressed fibrous material completely filling said slot and adhesively bonded to the wooden portion of the picker stick, said reinforcing member having cavities therein for receiving adhesive material.

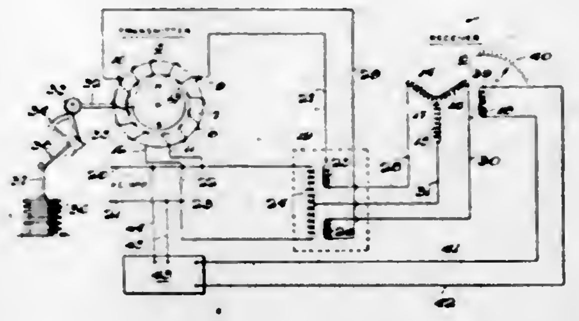
2,419,087

MEANS FOR REPRODUCING MOTION

Joel D. Peterson, Ridgewood, and Paul F. Bechberger, Tenafly, N. J., assignors to Bendix Aviation Corporation, Bendix, N. J., a corporation of Delaware

Application May 28, 1943, Serial No. 488,898

14 Claims. (Cl. 172—239)



1. Means for transmitting motion from one point to another and different point including a transmitter unit and a receiver unit, one of said units comprising annular core means of magnetically permeable material arranged to be traversed by a magnetic field for inducing a magnetic flux therein and provided with coil means thereon whereby secondary harmonics are generated therein due to said magnetic flux, the other of said units comprising a wound stator and a rotor in inductive relation with the stator, a source of periodically varying input current connected to said coil means whereby fundamental components of the input current are induced in said coil means, and transformer means for eliminating said fundamental components comprising a primary winding connected to said current source and opposed secondary windings for interconnecting said coil means with said wound stator.

2,419,088

PROCESS FOR CONTACTING REACTANTS WITH CATALYTIC MATERIAL

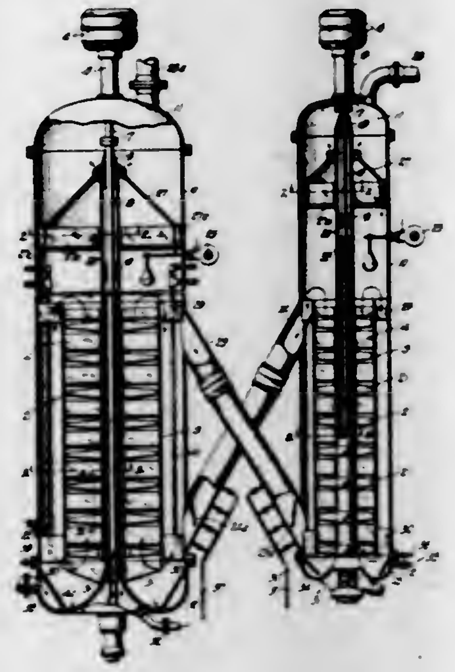
David H. Putney, Kansas City, Mo., assignor to Stratford Development Corporation, Kansas City, Mo., a corporation of Delaware

Original application December 8, 1944, Serial No. 567,240. Divided and this application January 17, 1947, Serial No. 722,738

3 Claims. (Cl. 196—52)

1. In a procedure of catalyst circulation and separation for processes in which gaseous materials are reacted in the presence of a solid catalyst, the catalyst regenerated, the regenerated catalyst returned to the reaction step for reuse and the entrained catalyst separated from the gases in both the reactor and regenerator, the improvement which resides in establishing rings of moving catalyst in both the reactor and regenerator, said rings having concentric upflowing and downflowing columns contacting reactant gases with the catalyst ring in the reactor and regenerating gases with the catalyst ring in the regenerator, mechanically imparting turbulence and propelling force at spaced intervals to the gas catalyst mixture along the upflowing column, subjecting the mixtures of catalyst and gases in the respective steps to gravitational separation, thereby separating a portion of the catalyst from the gases, passing the streams of separated gases containing entrained catalyst upwardly in secondary separation zones, mechanically imparting centrifugal force to said upwardly flowing streams to separate entrained catalyst

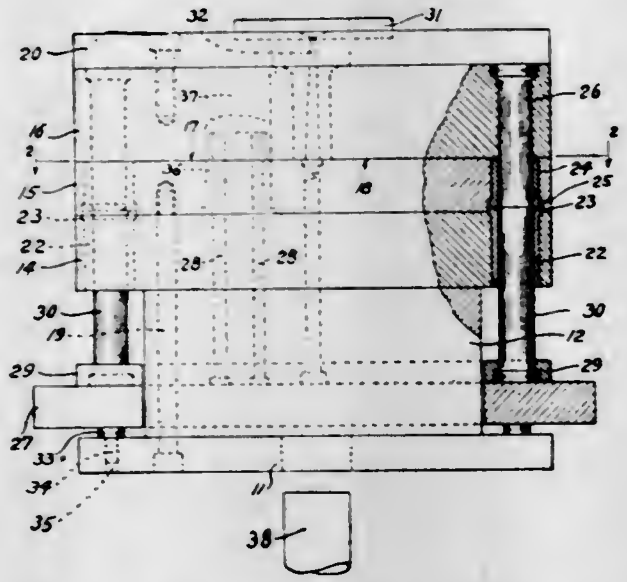
from said streams and project it to the peripheries of said secondary separation zones, and returning the separated catalyst to the catalyst rings.



2,419,089

MOLD BASE

Ivar T. Quarnstrom, Detroit, Mich.
Application June 9, 1944, Serial No. 539,516
8 Claims. (Cl. 18—42)



1. In a mold base employing front and rear cavity plates, a reciprocal anchor plate, upright parallel members secured thereon in spaced relation, a back-up plate for said rear cavity plate carried by said parallel members, a stationary anchor plate for supporting said front cavity plate, an ejector plate reciprocally mounted between said parallel members, a plurality of upright push-back pins extending from said ejector plate through said back up plate and into said rear cavity plate for relative reciprocal sliding engagement within corresponding openings in said back-up plate and rear cavity plate, and a plurality of aligned oppositely disposed leader pins depending from said front cavity plate and extending into said rear cavity plate for relative reciprocal engagement within the same openings in said rear cavity plate and of such length that they operatively abut said push-back pins when the mold is closed to return said ejector plate to its inoperative position.

2,419,090

SILVER NITRATE ACTIVATOR FOR BUTADIENE-1,3 EMULSION POLYMERIZATION

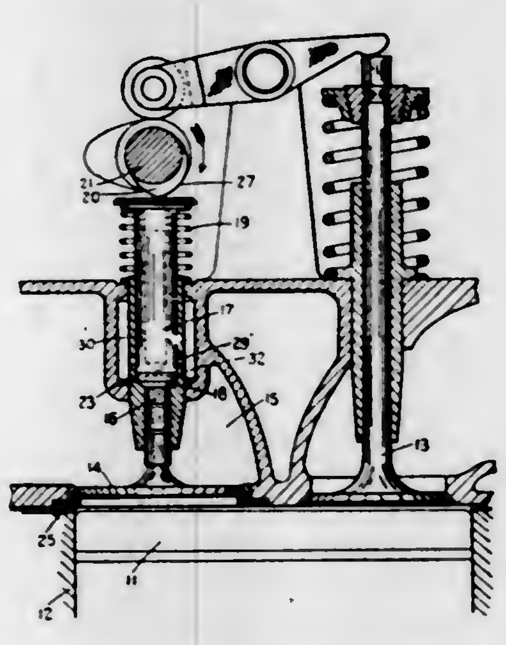
Leo W. Rainard, Wayland, Mass., assignor to General Latex and Chemical Corporation, Cambridge, Mass., a corporation of Massachusetts
No Drawing. Application May 11, 1944, Serial No. 535,201
1 Claim. (Cl. 260—86.5)

In the manufacture of emulsion polymers, the process which comprises polymerizing an aqueous emulsion comprising a mixture of a major proportion of butadiene-1,3 and a minor proportion of styrene in the presence of 0.01% to 2% of a peroxy compound catalyst and from 0.002% to 0.15% of an activator consisting of silver nitrate.

2,419,091

COMPRESSOR AND COMPRESSOR VALVE

Arthur Freeman Sanders, Leeds, England
Application September 8, 1943, Serial No. 501,582
In Great Britain September 26, 1942
6 Claims. (Cl. 230—222)



1. In a reciprocating compressor, a receiver passage for compressed fluid, an outwardly opening poppet valve for passing compressed fluid from said compressor to said receiver passage, said valve having the external surface of its head exposed to the pressure in said receiver passage, means for positively moving said valve in the closing direction in timed relation to said compressor, and a hydraulic travel increasing device interposed between said valve closing means and the valve stem for enhancing the closing speed of said valve.

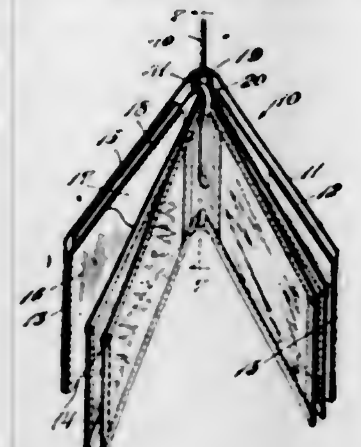
2,419,092

LOOSE LEAF-RETAINING CLIP FOR BILLFOLD ASSEMBLIES

Rene Maurice Schupbach, Providence, R. I., and Sol H. Kohen, Los Angeles, Calif.; said Schupbach assignor to said Kohen
Application April 4, 1944, Serial No. 529,467
1 Claim. (Cl. 150—38)

A bill fold having opposite walls secured to each other in a manner to provide a pocket in which bills are received, a spring clip having a pair of arms connected and located on opposite sides of one of said walls, one of said arms having a hook to extend over one edge of the wall and the other of said arms extending substantially to but short of said hook having a free end turned outwardly facing the hook and providing

a mouth for the reception and removal from between it and its embraced wall of a separable foldable element with the fold being in alignment with said arms.

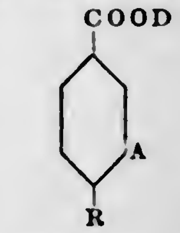


2,419,093

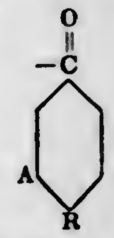
CATALYTIC HYDROGENATION OF CUMINIC ACID COMPOUNDS

Frank K. Signaigo and Caryl Sly, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 20, 1942, Serial No. 431,668
9 Claims. (Cl. 260—563)

1. A process for producing menthyl and thymyl compounds comprising catalytically hydrogenating a compound of the general formula



wherein A is selected from the group consisting of hydroxyl, nitro and amino groups, D is selected from the group consisting of hydrogen, the complementary radical of the formula



and an alkyl group, and R is an isopropyl group, at a temperature within the range of from about 200° C. to about 400° C., under a hydrogen pressure of at least 1000 pounds per square inch, and in the presence, as a catalyst, of a chromite of a metal selected from the group consisting of copper, nickel, cobalt, and iron.

2,419,094

CHROMITE ORE PIGMENT

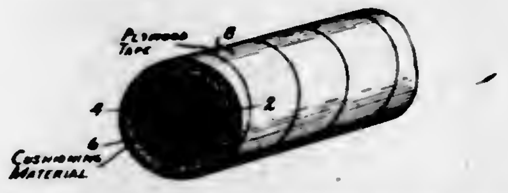
Clifford Kanne Sloan, Thornton, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 28, 1943, Serial No. 484,879
12 Claims. (Cl. 106—302)

7. A method for producing a cracking-resistant pigment composition which comprises calcining in the presence of an oxidizing agent and at a temperature ranging from 1050° C. to 1150° C. a mixture consisting of chromite ore, an alkaline earth compound, said chromite ore and alkaline earth compound being in the ratio between 50/50 and 60/40, and from 5–20%, on the pigment basis, of a phosphate from the group consisting of ammonium and elements of the "A" members of groups I and II of the periodic table, until a product containing from 1.5% to 30% of hexavalent chromium, calculated as CrO_3, having a pH value ranging from 8.9 to 11.8 and an acid-insoluble residue ranging from 1–15%, is obtained, and then disintegrating the resulting dry reaction product to a state of pigment fineness whereby the major portion of its particles are below 5 microns in size, with at least 95% of its particles being capable of passing a 325 mesh screen.

2,419,095

ELECTRIC CABLE

Donald R. Stevens, Ridgewood, N. J., assignor to The Okonite-Callander Cable Company, Incorporated, Paterson, N. J., a corporation of New Jersey
Application April 4, 1944, Serial No. 529,468
4 Claims. (Cl. 174—110)

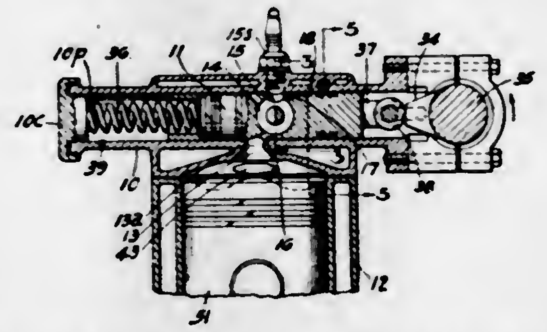


1. A flexible electric cable comprising in combination an insulated conductor enclosed in an outer sheath of plywood tape wrapped directly about the insulation.

2,419,096

FUEL INDUCTION MEANS FOR INTERNAL-COMBUSTION ENGINES

Robert S. Stickney, Los Angeles, Calif.
Application April 28, 1944, Serial No. 533,222
8 Claims. (Cl. 123—32)



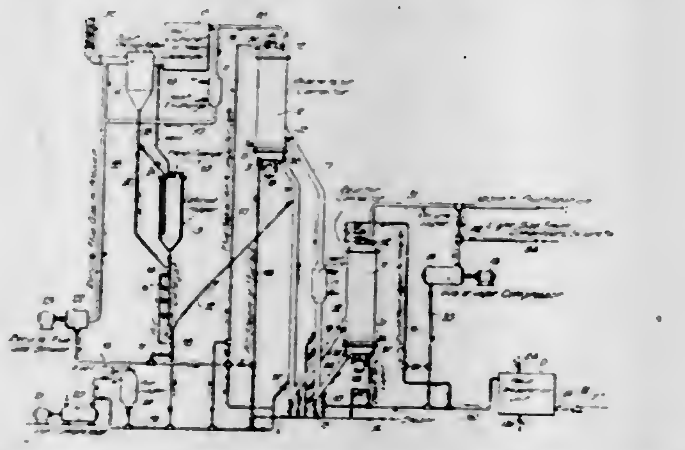
8. A combination pre-combustion and energy cell chamber for an internal combustion engine comprising a body having within it a generally cylindrical chamber provided with a fuel admission passage leading tangentially into one side thereof and a fuel and air delivery passage leading tangentially from its opposite side to feed the mixed fuel and air into the main combustion chamber of the engine cylinder proper, there being a radial opening in the cell that communicates with a spark plug, said tangential passages extending in opposite directions so as to cooperate with each other and said radial opening in imparting a suction at the entrance of the fuel admission passage for the purpose of inducing the fuel into the pre-combustion and energy cell chamber, and a core extending from end to end of said generally cylindrical chamber about which the mixed fuel and air travels in a circular path incident to its passage through said fuel and air passage into the main combustion chamber.

2,419,097
PROCESS FOR CATALYTICALLY REACTING GASEOUS MATERIAL

Charles W. Stratford and David H. Putney, Kansas City, Mo., assignors to Stratford Development Corporation, Kansas City, Mo., a corporation of Delaware

Application May 22, 1944, Serial No. 536,702

6 Claims. (Cl. 196—52)



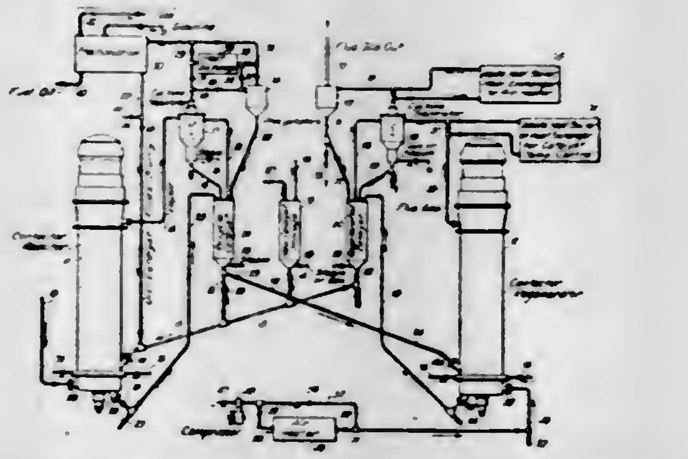
1. In a process of reacting gaseous hydrocarbons in the presence of a solid catalyst in a reaction zone, the improvement which resides in establishing a cyclic ring of moving catalyst within said reaction zone including separated upflowing and downflowing catalyst columns, passing the gaseous material in contact and concurrently with the moving catalyst principally in the upflowing column subjecting the upflowing column to rotative energy applied at spaced intervals to accelerate the lineal flow of catalyst in the ring and turbulence in the upflowing column, and separating the catalyst and reacted materials after contacting in the upflowing column.

2,419,098
CONTACTING GASES AND VAPORS WITH CYCLICALLY MOVING CATALYST

Charles W. Stratford, Joe A. Altshuler, and David H. Putney, Kansas City, Mo., assignors to Stratford Development Corporation, Kansas City, Mo., a corporation of Delaware

Application June 21, 1946, Serial No. 678,272

5 Claims. (Cl. 196—52)



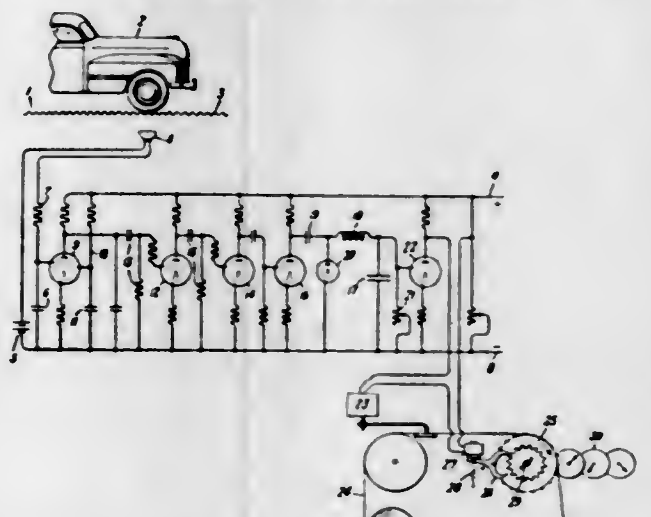
1. A process of catalytically reacting gaseous materials and regenerating the catalyst wherein the reaction and regeneration are performed in separate steps each having a cyclic flow of materials therein including upflowing and downflowing columns which have a common axis, the improvement which resides in imparting mechanical rotative energy to the cyclic streams of catalyst and reactant mixtures in the respective steps independent of the energy supplied to the feed of said materials to the respective steps.

2,419,099
TRAFFIC RECORDER

Alexander C. Wall, Indianapolis, Ind., assignor to General Electric Company, a corporation of New York

Application May 27, 1944, Serial No. 537,594

4 Claims. (Cl. 234—29.5)



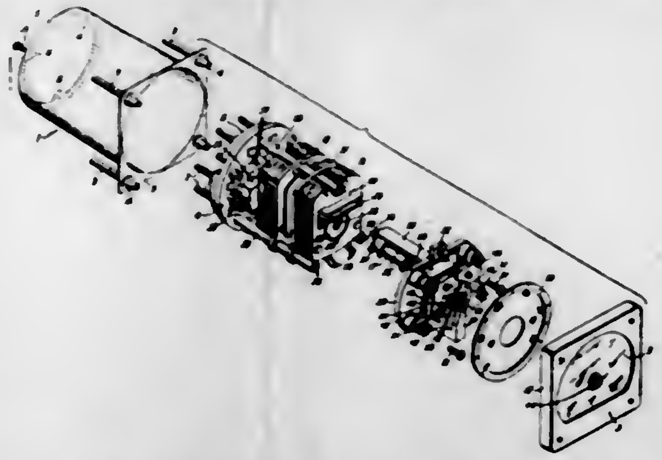
2. Traffic speed responsive apparatus comprising a roadway having a corrugated surface, the corrugations being evenly spaced and lying in a direction across the roadway, such corrugations being of a nature to emit sound pulsations, when a vehicle passes thereover, of a frequency proportional to vehicle speed, a sound pickup device positioned to respond to such sound pulsations, an amplifier circuit designed to amplify sound pulsations of the frequency range produced by the corrugations due to vehicles passing thereover and to suppress other sound frequencies, said amplifier circuit having an input controlled from said sound pickup device and producing an output voltage proportional to the non-suppressed input frequency sound pulsations, a source of supply for the sound pickup and amplifier circuit, and recording apparatus responsive to the output voltage of said amplifier circuit for recording the speeds of vehicles passing over such roadway.

2,419,100
DYNAMOMETER TYPE ELECTRICAL MEASURING INSTRUMENT

Virgil L. Weaver, Greenwood, Mass., assignor to General Electric Company, a corporation of New York

Application May 25, 1945, Serial No. 595,720

4 Claims. (Cl. 171—95)



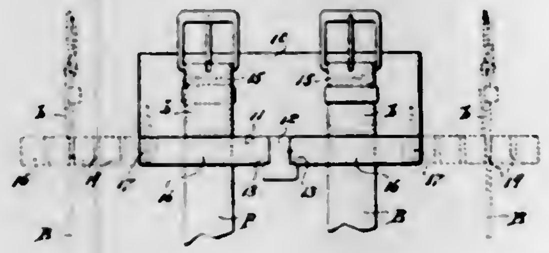
1. An electrical measuring instrument comprising a stationary magnetic core having an outer yoke part and an inner core part secured to the yoke part by a tongue, the inner core part and the tongue being hook-shaped leaving a radial opening from the center of the inner core part in prolongation with one side of the tongue, a circular flux air gap between the inner core and the outer yoke parts, an energizing coil about the tongue for producing flux across said air gap, an armature assembly structure comprising a supporting plate removably secure to the front end of said stationary magnetic core, a shaft rotatively supported from said plate in axial alignment with the central opening of said inner core part, an armature coil on said shaft with one side adjacent the axis of rotation thereof and of such size and shape as to thread the inner core part with its outer side rotatable in said circular air gap, a front bearing support for said shaft secured to said plate and a rear bearing support for said shaft comprising a supporting member extending to the rear of said plate through and in alignment with the opening between the tongue and outer yoke stationary core parts, and with an arm at the rear of said member extending inward toward the axis of rotation in alignment with the radial opening in said inner core part, whereby when the shaft is rotated to a position where the armature coil is also in alignment with said radial opening the armature coil as thus assembled for rotation may be inserted in or removed from threading relation with said inner core part without disassembly of said armature assembly structure.

2,419,101
RACK FOR APPAREL BELTS OR THE LIKE

Herman H. Wehringer, Montclair, N. J.

Application September 27, 1944, Serial No. 555,951

2 Claims. (Cl. 211—96)



1. A rack device for the purposes described, comprising a flat base member of substantial thickness adapted to be fixed in perpendicular plane, said base member having a stop means extending right angularly outward from the bottom edge thereof in horizontal plane, movable rack means pivotally connected with the horizontal bottom edge of said base member to swing in horizontal plane toward and from said stop means, said rack means having a plurality of spaced apart article receiving slots entering therethrough from an edge thereof which normally abuts said stop means so as to be outwardly open at said edge, said stop means being of length corresponding to the length of said slotted edge of said rack means, whereby said open ends of the slots are closed when the rack means is inswung to abut said stop means and accessibly exposed when said rack means is outswung from said stop means.

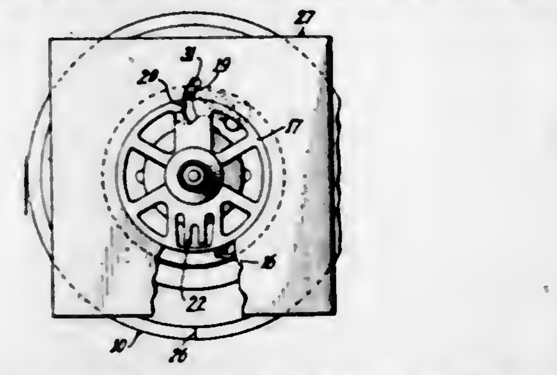
2,419,102
PROCESS OF SETTING TIME FUSES AND TOOL THEREFOR

Richard H. Whitehead, New Haven, Conn.

Application October 21, 1939, Serial No. 300,550

1 Claim. (Cl. 86—23)

A tool for setting time fuses having a timing disc with a slot therein and a finger cooperating with said slot, said tool comprising a plate having an opening of the same diameter as the timing disc and a slot extending outwardly from said opening and having its edges adapted to form a continuation of the edges of said slot in said disc.

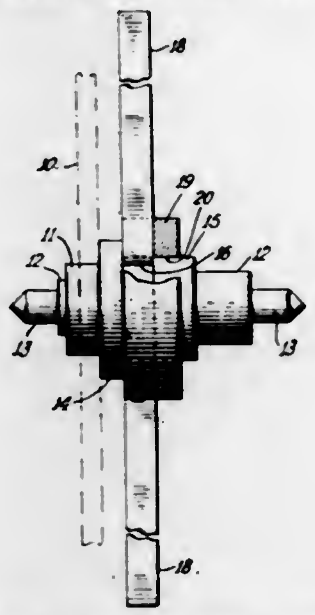


2,419,103
HAIRSPRING ASSEMBLY

Richard H. Whitehead, New Haven, Conn.

Application February 17, 1940, Serial No. 319,456

2 Claims. (Cl. 58—115)



1. A device of the character described comprising a hair spring, a pair of straight end members connected by a central portion bent out of alignment therewith, a hub member having an external recess adapted to receive the bent portion of said hair spring, a collar adapted to fit over said hub and over the outside of said bent portion of said hair spring, said collar being provided with oppositely disposed radial slots of a size and shape to receive said end members.

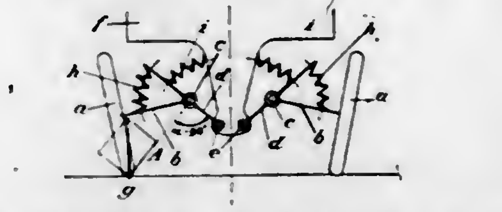
2,419,104
SPRINGING OF MOTOR CARS WITH SWINGING HALF AXLES

Karl Wilfert, Sindelfingen, and Béla Barényi, Boblingen, Germany; vested in the Attorney General of the United States

Application December 6, 1940, Serial No. 368,849

In Germany December 7, 1939

6 Claims. (Cl. 267—20)

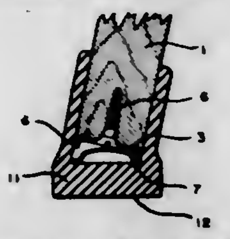


1. In a vehicle having a frame, ground-engaging wheels for said vehicle, swinging half-axles mounted on said wheels, means for pivotally mounting said swinging half-axles relatively

to said frame comprising arms pivoted to said frame for motion in a transverse plane, and pivots on said arms for connecting said half-axles, spring means for resisting transverse pivotal motion of said arms, and further spring means intermediate each arm and half-axle to resist relative up and down movement of said half-axle.

2,419,105
ANTISKID DEVICE

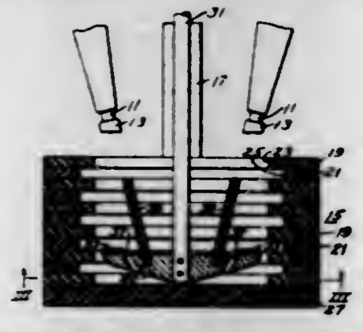
James E. Allan, Detroit, Mich., assignor to Frank Andrew Allan, Detroit, Mich.
Application August 18, 1945, Serial No. 611,331
3 Claims. (Cl. 135—54)



1. The combination of a walking stick with a non-skid device comprising, a resilient cylindrical member having one enclosed end and constituting a tip adapted to engage with and be retained by the end of a walking stick, a cup-shaped member having serrated edges attached to the end of the walking stick, and a hat-shaped member interposed between the cup-shaped member and the end of said tip.

2,419,106
OIL CIRCUIT BREAKER

Benjamin P. Baker, Turtle Creek, and Robert C. Dickinson, Wilkinsburg, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 29, 1944, Serial No. 520,254
15 Claims. (Cl. 200—150)

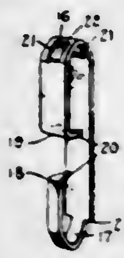


1. In a circuit breaker, a container of arc-extinguishing liquid, a pair of insulated lead-in conductors extending into the container, a contact on the inner end of each of said conductors, an arc-extinguishing chamber mounted in said container independently of and spaced from the inner end portions of said lead-in conductors and separated by liquid therefrom, bridging means which in closed position completes the electrical circuit between said contacts, said arc-extinguishing chamber having its interior of a size to closely receive said bridging means therein, means for moving the bridging means into the chamber for drawing the arcs into the chamber and forcing liquid to flow out of the chamber through the arc.

2,419,107
LINK FOR SLAT SHADES

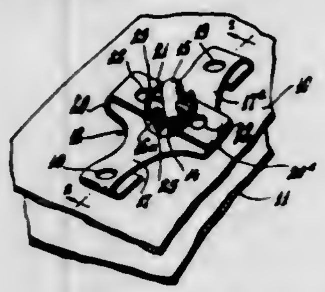
Harry Baldwin, Mamaroneck, N. Y.
Application August 14, 1945, Serial No. 610,763
3 Claims. (Cl. 160—229)

1. A connecting hinge link for slat shades comprising a metal strap transversely enclosing and protruding from the horizontal edges of the slat, having a loop at one end of the link formed by the turn of the strap, the axis of said loop being parallel to the edge of the slat, and having a loop at the other end of the link formed by apertures in the opposed portions of the strap at the turn thereof separated by an integral transverse strip at the extreme end of the link, the axis of said last named loop being at a right angle to the axis of the first named loop.



2,419,108
COWL FASTENER

William H. Barlow, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application December 1, 1942, Serial No. 467,527
6 Claims. (Cl. 24—221)



1. A quickly detachable fastening device for securing a cover plate or the like in position, comprising a socket member having a slotted opening therethrough and formed with two pairs of oppositely inclined cam surfaces, each pair of cam surfaces flanking the slot, said socket member being adapted to receive through said slotted opening a headed stud having a cross-pin adjacent its unheaded end, which cross-pin, when inserted through the slotted opening and rotated therein in either a clockwise or counterclockwise direction, will cause the cross-pin to ride upon the cam surfaces, resilient means operatively associated with the socket member for biasing the central portion thereof in an axial direction to provide engagement between the cross-pin and the cam surfaces as the former is moved over the latter by rotation of the stud, and supplemental resilient means operatively associated with the socket member for engaging the ends of the cross-pin and locking said cross-pin against accidental shifting when it has reached the high points on the cam surfaces in the course of riding up thereon.

2,419,109
TREATMENT OF TOBACCO

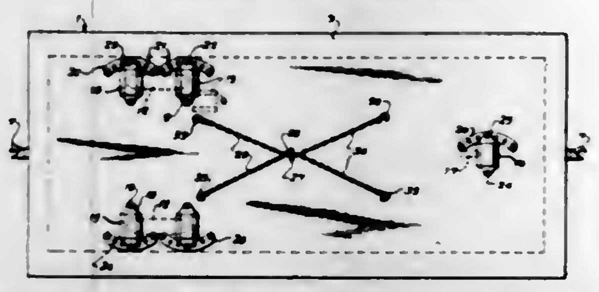
Alfred J. Berger and Hoke S. Greene, Cincinnati, Ohio
No Drawing. Application November 28, 1940, Serial No. 367,674
9 Claims. (Cl. 131—140)

1. The process of treating tobacco to improve the color, taste and other qualities thereof, which comprises drawing a vacuum on moist tobacco in a closed chamber capable of withstanding high pressures, heating the tobacco in contact with steam in the chamber at a temperature not less

than 220° F. and under pressure sufficient to preclude appreciable drying-out of the tobacco, and maintaining these conditions over a continuous and substantial period of time computed according to the character of the tobacco treated, the time and temperature factors being in inverse ratio and comprised within approximate maximum limits of 3 hours and 300° F., respectively, and approximate minimum limits of one-quarter hour and 220° F., respectively.

2,419,110
CHOCKING MEANS

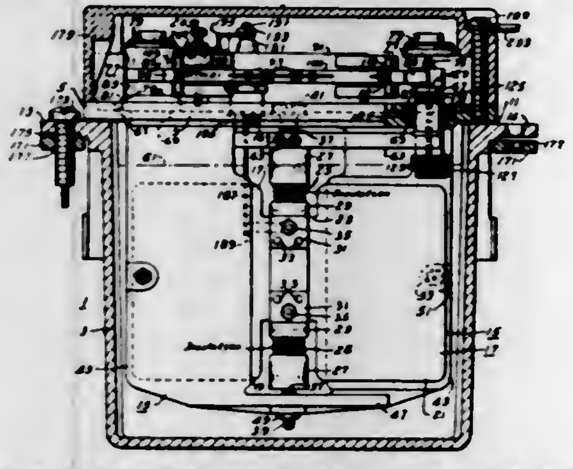
Joe G. Binney, New Douglas, Ill.
Application January 25, 1945, Serial No. 574,591
1 Claim. (Cl. 188—32)



Chocking means for a flat bed railway car comprising elongated chock blocks, means to mount said blocks in complemental pairs at opposite sides of said bed to extend crosswise of the bed in each pair with the blocks in each pair swingable into different angular positions with respect to each other to vary the chocking relation thereof, and means to lock the chock blocks of each pair in different angular positions comprising arcuate apertured detent bars, and pins carried by said blocks for extension through said apertures selectively.

2,419,111
ELECTROSTATIC RELAY

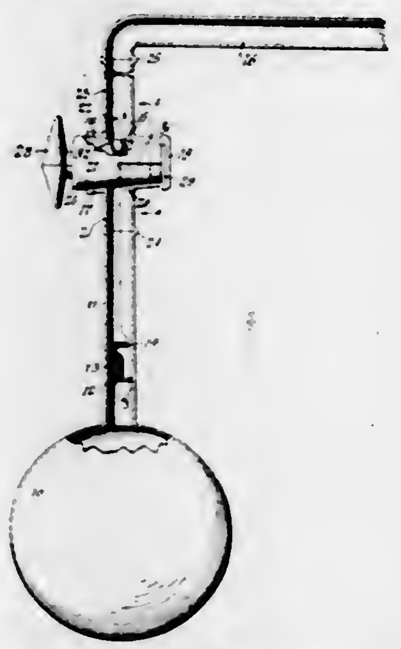
Myron A. Bostwick, Budd Lake, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 22, 1942, Serial No. 463,015
2 Claims. (Cl. 200—87)



1. In a relay device, a pair of spaced electroconductive plates, means mounting said electroconductive plates for movement relative to each other, means for establishing an electrical field between said electroconductive plates, said electrical field operating to urge one of said electroconductive plates relative to the other of said electroconductive plates in a predetermined direction, a completely sealed housing for said electroconductive plates, and circuit controlling means responsive to the relative movement of said members, said circuit controlling means comprising a pair of permanent magnets, means mounting said permanent magnets for movement within said housing in accordance with relative movement of said electroconductive plates, said housing having a non-magnetic wall positioned adjacent each of said permanent magnets for permitting passage of magnetic flux from each of said permanent magnets therethrough, and control means positioned exteriorly of said housing, said control means having a separate magnetic operating member positioned in the path of magnetic flux from each of said permanent magnets for actuating said control means in accordance with movement of each of said permanent magnets, each of said magnetic operating members being positioned for operative attraction by its associated permanent magnet in response to relative movement of said electroconductive plates in a separate direction.

2,419,112
GAS EVACUATING DEVICE

John B. Brandt, Jr., Rochester, N. Y.
Application March 1, 1945, Serial No. 580,468
5 Claims. (Cl. 222—5)



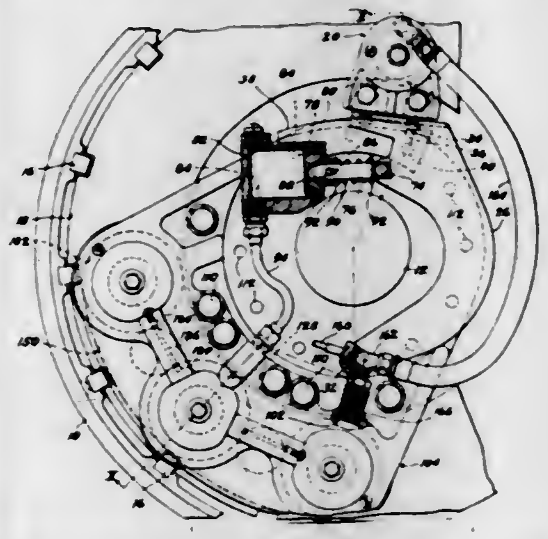
1. A device for evacuating gas from a container having a neck and a hermetically sealed tip in said neck which is adapted to be broken, comprising a weight adapted to drop on said tip and break the same, a valve casing having a lower port adapted to be connected with said neck and an upper port adapted to be connected with a discharge, a stopper movable in said casing including means which are adapted to connect said ports when said stopper is moved into one position and to disconnect said ports upon moving said stopper into another position, and said stopper being also provided with a pocket which receives said weight and is out of register with said lower port when the stopper is in one position and which is adapted to register with said lower port when the stopper is in another position and thereby permits said weight to escape from said pocket and break said tip and release the gas in said container.

2,419,113
BOOSTER BRAKE

Carl E. Bricker, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Application April 26, 1944, Serial No. 532,707
15 Claims. (Cl. 188—152)

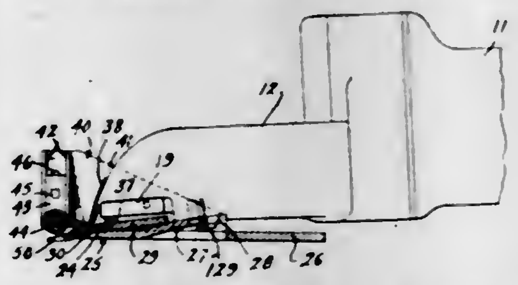
1. In combination, a movable member, a braking surface on the movable member, a fixed

element associated with the movable member, a booster brake unit adapted to have braking engagement with the braking surface of the movable member, means mounting the booster brake unit for limited movement with the movable member, a separate booster unit carried by the fixed element to be energized by said booster



brake unit substantially tangential to the movement thereof and in alignment with said booster unit, main brake units carried by the fixed element adapted to engage with the braking surface of the movable member, and means for energizing the main brake units from the booster unit.

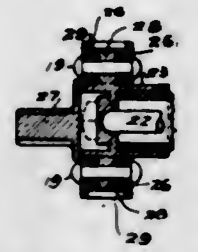
2,419,114
SKIN GRAFTING KNIFE
Theodore W. Briegel, Galva, Ill.
Application June 8, 1945, Serial No. 598,226
3 Claims. (Cl. 128—305)



1. In a skin grafting knife including a blade carrying member having a lower longitudinally corrugated surface for traveling over a skin surface, a blade oscillatably mounted on said member and means for oscillating said blade, said blade having a beveled cutting edge, a member having a curved surface adapted to be positioned adjacent to and slightly above said cutting edge and means for adjusting the position of said curved surface to gauge the depth of cut made by said cutting edge.

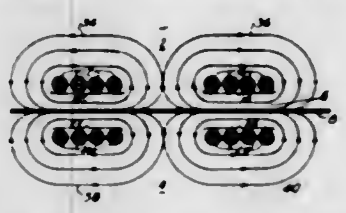
2,419,115
BRAKE BEAM STRUCTURE
Edwin G. Busse, Chicago, Ill., assignor to Chicago Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application February 4, 1944, Serial No. 521,011
10 Claims. (Cl. 188—226)

1. In a railway truss type brake beam having a compression member and a tension member converging at the end of the beam, an end member seated on the end of the compression member and apertured for the passage of the end portion of the tension member, a tensioning device seated on said end member and engaging said portion, said end member having upright webs disposed transversely of the brake beam and extending above and below the level of the compression and tension members, separately formed structure assembled with the end member and comprising a brake head and a part projecting longitudinally of the beam beyond the end member and having



a downwardly facing surface elongated transversely of the beam for slidable engagement with a bracket on an adjacent truck part to support the beam, said head including elements alongside said end member webs, and means extending through said elements and webs and securing said head and end member in assembled relation.

2,419,116
APPARATUS FOR HIGH-FREQUENCY INDUCTION HEATING OF STRIPS
Benedict Cassen, Los Angeles, Calif., and Robert M. Baker, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 20, 1944, Serial No. 531,862
5 Claims. (Cl. 219—13)

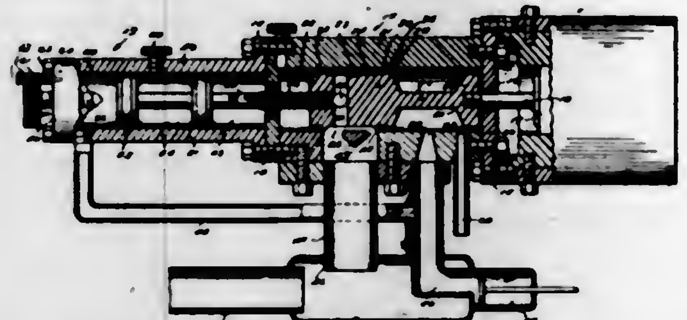


1. Coreless induction heating apparatus of a type described, comprising nonmagnetic means providing a flat work-passage having an open edge for receiving strip and the like, said means comprising a plurality of single-layer pancake heating coils on opposite sides of said work-passage, said heating coils having active substantially straight conductors spanning said work-passage, with conductors on opposite sides of the work-passage being parallel and lying in planes substantially perpendicular to the work-passage, and means for energizing said heating coils for producing a longitudinal magnetic flux in opposite directions in said work-passage between said heating coils, the last said means comprising conductors for causing the current-flow in one of said heating coils to be clockwise at the same time that the current-flow in the other heating coil is counterclockwise.

2,419,117
AEROELECTRIC VALVE
Charles A. Chalfant and Waple Langston, Pine Bluff, Ark.
Application December 5, 1944, Serial No. 566,735
4 Claims. (Cl. 303—20)

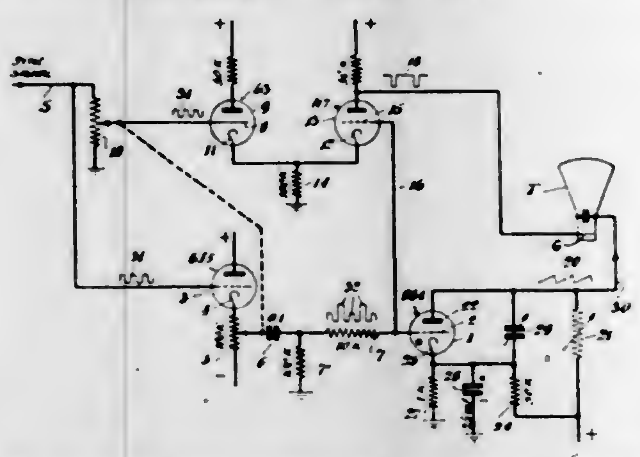
1. In a brake system for railway cars a combined air and electrically controlled operating mechanism therefor, said mechanism including an electro-magnet, a rod operated thereby, a spool valve to which the rod is fixed, a piston rod, fixed to the spool, and a pair of spaced pistons fixed on the rod, all of said members operating in unison, separated cylinders enclosing the spool valve and the pistons, an air reservoir,

a brake cylinder, both connected to said first cylinders, said reservoir also being open to a train



brake air line, and said spool valve having means for controlling ports leading to said reservoir and brake cylinder.

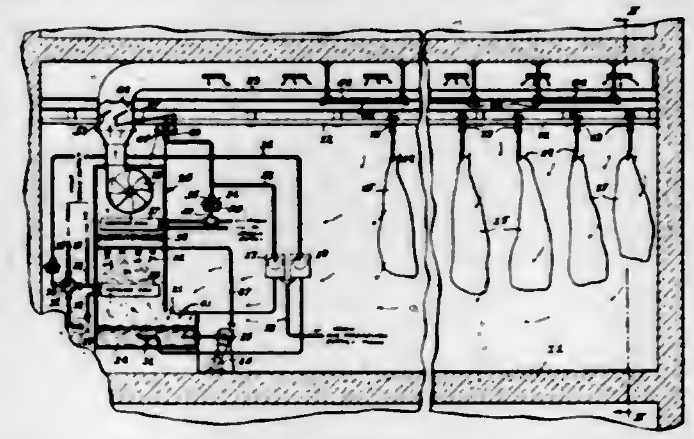
2,419,118
SWEEP SYNCHRONIZING AND BEAM BLANKING DEVICE
Peter S. Christaldi, Upper Montclair, and John Richard Banker, Passaic, N. J., assignors to Allen B. Du Mont Laboratories, Inc., Passaic, N. J., a corporation of Delaware
Application January 21, 1943, Serial No. 473,060
7 Claims. (Cl. 315—22)



1. A sweep synchronizing and beam blanking device for a cathode-ray tube having a deflection circuit which comprises a gas filled tube having a plate, a grid and a cathode, means to connect a synchronizing signal to said grid, a circuit connected to said plate adapted to generate a saw-tooth wave, means to connect said saw-tooth wave to the deflection circuit of said cathode-ray tube, and means to couple the grid of said gas filled tube to the grid of said cathode-ray tube for blanking the beam of said cathode-ray tube during its return period.

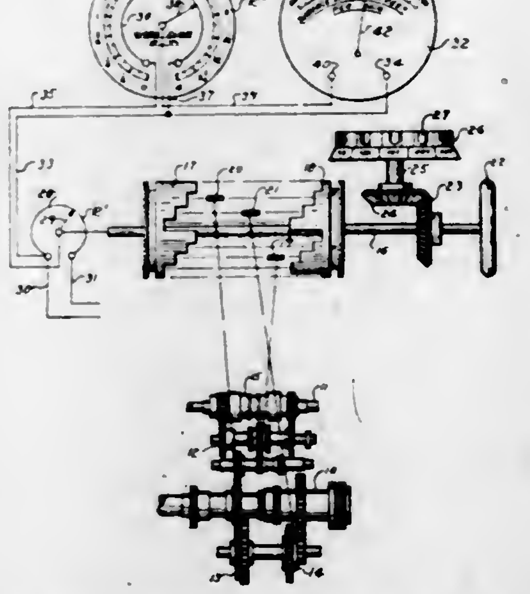
2,419,119
APPARATUS FOR TREATING AND STORING MEAT
Paul B. Christensen, Fair Lawn, N. J., assignor, by mesne assignments, to Westinghouse Electric Corporation, a corporation of Pennsylvania
Continuation of application Serial No. 316,496, January 31, 1940. This application July 2, 1943, Serial No. 493,227
8 Claims. (Cl. 257—3)

1. In apparatus for treating and/or storing meat, the combination of a compartment having air distributing ducts, a normally closed damper for controlling the flow of air to said ducts, air conditioning means disposed in said compartment and comprising a chamber connected to said ducts and having a reservoir of water disposed in the bottom thereof, a blower in the top thereof for circulating air from said compartment through said chamber over said water and distributing it to said compartment through said ducts, spray nozzles disposed between said water and blower, means for drawing water from said reservoir and discharging it through said nozzles to humidify the circulating air and return to said reservoir, means in said compartment for controlling the temperature of said water, temperature sensitive means immersed in said water to govern the action of said controlling means, a cooling coil in the path of the spray from said nozzles, said controlling means causing circulation of more or less cooling fluid through said cooling coil to keep



the reservoir water at substantially uniform temperature in accordance with the action of said sensitive means, a heating coil disposed between said nozzles and blower, a temperature controller disposed in said compartment, and sensitive means in the inlet to said chamber for causing said temperature controller to effect the admission of heating fluid to said heating coil, when the temperature of the air in said inlet is reduced below a predetermined point, and simultaneously open said damper to allow increased circulation through said ducts to bring the temperature in the compartment back to normal.

2,419,120
MACHINE TOOL CUTTING SPEED INDICATOR
Robert H. Clark, Solon, Ohio, assignor to The Warner & Swasey Company, Cleveland, Ohio, a corporation of Ohio
Application December 14, 1944, Serial No. 568,193
4 Claims. (Cl. 177—311)

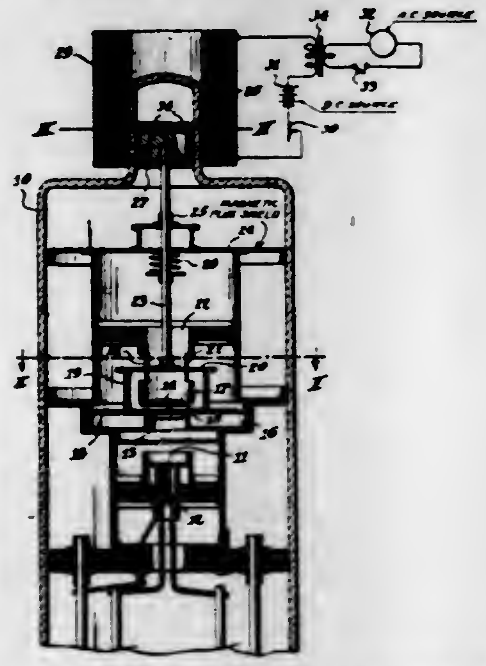


1. In a machine tool having a rotatable work spindle adapted to mount work pieces of different diameters to be machined by a cutting tool, a

gear transmission adapted to be clutched to a power shaft and operatively connected to the spindle and including shiftable means for obtaining a plurality of different predetermined gear ratios in said transmission to rotate said spindle at a corresponding number of different speeds, movable means operatively associated with said shiftable means and when moved to one position indexible in correlation to the different gear ratios to select or preselect the different spindle speeds and when moved to another position actuating said shiftable means to obtain the selected or preselected spindle speed, voltage regulating means operatively connected to said movable means and adjusted by the indexing thereof to vary the voltage of the output side of said regulating means, means for impressing a constant or regulated voltage on the input side of said voltage regulating means, a volt meter calibrated in terms of cutting speeds of a tool operating on the work piece, and electrical connections between said volt meter and the output side of said voltage regulating means and including a second voltage regulating means calibrated in terms of work diameters and manually adjusted to positions correlated to the diameter of the work currently being machined to vary the voltage impressed on said volt meter, whereby said volt meter indicates cutting speeds in relation to work diameter instantly upon indexing of said movable means to select or preselect the spindle speed and prior to the movement of said movable means to actuate said shiftable means to obtain the selected or preselected spindle speed.

2,419,121
TUNING MEANS FOR CAVITY RESONATORS

David Gordon Clifford, Montclair, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 17, 1942, Serial No. 462,347
5 Claims. (Cl. 315—5)



1. A hollow body resonator electron discharge device comprising an envelope having a cathode therein and an opposed electrode toward which electrons travel in a beam from the cathode, a resonator having walls in said envelope transverse to the path of the electron beam, said walls having openings and grids interposed in the path of the electron beam across said resonator wall openings, one of said transverse walls and its grid being movable toward and away from the other transverse wall and its grid for varying the spacing between said grids, a saddle bridging the resonator wall openings, stirrups connecting the saddle with the movable transverse wall intermediate the outer edge and opening of said movable transverse wall, a core attached with respect to and movable with the saddle, stirrups and movable transverse wall, said core being entirely within said envelope, and a solenoid coil entirely outside said envelope and at a part thereof around said core for moving and holding said core and wall in moved position with all movement occurring within said envelope.

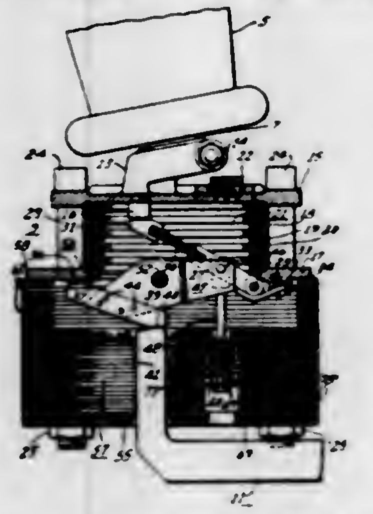
2,419,122
COPOLYMERS OF ALKYL ACONITATES AND VINYL CHLORIDE

Fred W. Cox, Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application June 29, 1943, Serial No. 492,715
5 Claims. (Cl. 260—78)

1. Copolymers of vinyl chloride interpolymerized with a trialkyl ester of aconitic acid in the proportion of about 80% to 95% of the vinyl choride and about 20% to 5% of the ester on the total weight of monomers.

2,419,123
CIRCUIT INTERRUPTER

James M. Cumming, Turtle Creek, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 25, 1943, Serial No. 488,357
17 Claims. (Cl. 200—150)



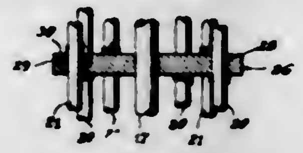
1. In a circuit interrupter, an arc extinguishing unit, a confined region within the unit, means for establishing a pressure generating arc within the confined region at one end of the unit, a first vented region, means for establishing a first interrupting arc intermediate the ends of the unit in the first vented region, a second vented region, means for establishing a second interrupting arc within the second vented region at the other end of the unit, and means utilizing the pressure created within the confined region at the pressure generating arc to force fluid under pressure into the first and second vented regions toward the two interrupting arcs to effect their extinction.

2,419,124
INSULATING MEANS FOR METALLIC SPACERS IN ELECTRON DISCHARGE DEVICES

Hampton J. Dailey, Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 10, 1943, Serial No. 509,649
4 Claims. (Cl. 250—27.5)

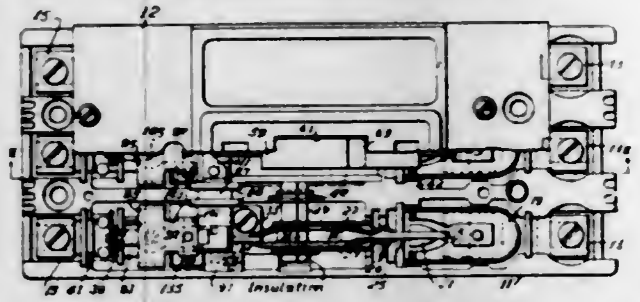
4. An electron discharge device having a multiple wire cathode and a grid, means for spacing

the wires of the cathode, said cathode having posts on the wires comprising the same and with said posts extending through said spacing means, insulating means between some of said posts and said spacing means, said grid having parts thereof passing in proximity to said spacing means, said spacing means providing metal girdling said insulating means throughout the axial length of said insulating means and between the same and said grid parts to prevent an R. F. field from passing through said spacing means to said insulating means and posts, said spacing means and insulating means both being shouldered within the axial length of interengagement thereof thereby preventing displacement in one direction, and means on the post preventing displacement in an opposite direction and retaining said shoulders substantially in engagement.



2,419,125
CIRCUIT BREAKER

Hiller D. Dorfman, Forest Hills, and Gerald J. Freese, East McKeesport, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 24, 1941, Serial No. 399,457
11 Claims. (Cl. 200—107)

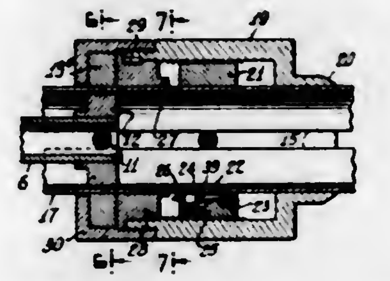


1. In a multipole circuit breaker, a casing of insulating material having a partition forming separate compartments in said casing, a movable contact member disposed in each compartment, means including a rotatable member of insulating material extending across a plurality of said compartments for initiating an automatic operation of the movable contacts, said partition having an aperture therein through which the rotatable member extends, and a plurality of flanges molded integral with the rotatable member and disposed one on each side of the partition to close the aperture.

2,419,126
HIGH-FREQUENCY WAVEMETER

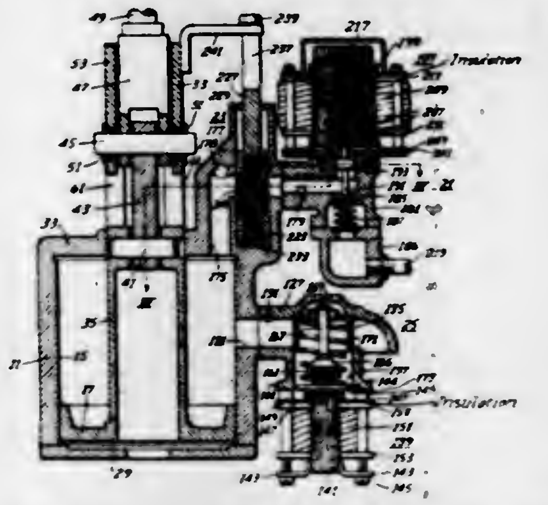
Orville E. Dow, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application July 25, 1942, Serial No. 452,375
8 Claims. (Cl. 178—44)

7. A wave-meter comprising a concentric line resonator having a tunable inner conductor, tuning mechanism including a vernier at one end of said line resonator for restricting longitudinal movement of said inner conductor between relatively small limits of adjustment over any desired portion of the tuning range, said tuning mechanism including a rod affixed to one end of the tunable inner conductor, a stationary tubular element surrounding said rod, a ring secured to said rod for moving the same, said ring surrounding a small portion of said tubular element, a movement limiting pin carried by said ring and adapted to engage said tubular element at desired predetermined points, and a cam for disengaging said pin from said tubular element.



2,419,127
CIRCUIT BREAKER

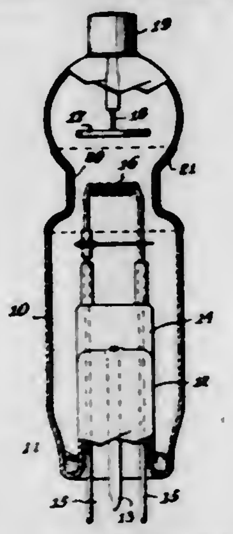
Gilbert J. Easley, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. a corporation of Pennsylvania
Application March 11, 1944, Serial No. 526,017
10 Claims. (Cl. 200—82)



1. In a circuit interrupter having relatively movable contacts, operating means therefor comprising a cylinder, an operating piston in said cylinder operatively related with said circuit interrupter, a source of compressing gas, a control valve device associated with said cylinder for admitting compressed gas to said cylinder for operating said piston in one direction and for rapidly venting said cylinder directly to atmosphere to permit high-speed reverse movement of said piston, said valve device having an inlet passage connected to said cylinder, an exhaust passage communicating with the cylinder independently of said inlet passage for rapidly venting said cylinder directly to atmosphere, an inlet valve biased to normally close said inlet passage, an exhaust valve biased to normally open said exhaust passage, actuating means for said valves comprising an electromagnet operable to move said inlet valve to open position and to move said exhaust valve to closed position, a control valve disposed in said inlet passage between said inlet valve and said cylinder, said control valve being operable by the breaker mechanism to reduce the amount of compressed gas admitted to said cylinder to effect closing of said interrupter from a full open position, adjusting means for varying at will the minimum amount of compressed gas admitted to the cylinder to close the breaker from full open position and said control valve being operable during the closing movement to increase the amount of compressed gas admitted to the cylinder near the end of the closing movement of the interrupter.

2,419,128
MERCURY VAPOR TUBE

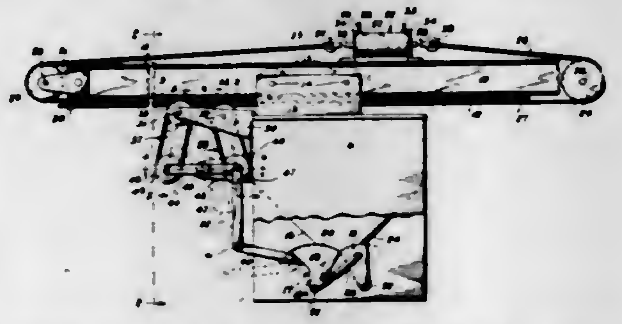
George S. Evans, East Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 14, 1942, Serial No. 430,902
14 Claims. (Cl. 250—27.5)



1. An electronic device comprising an anode, an evacuated envelope having a throat region, a cathode within said throat region, means in the vicinity of said throat region for increasing heat dissipation at said throat region, and recurringly vaporizable and condensible material in the envelope deposit whereof is promoted on the throat region as a result of heat dissipation from said region.

2,419,129
CABLE CONTROLLED BOOM BUCKET AND CLOSURE

James H. Fitzgerald, Westfield, N. J.
Application April 21, 1945, Serial No. 589,650
14 Claims. (Cl. 214—59)

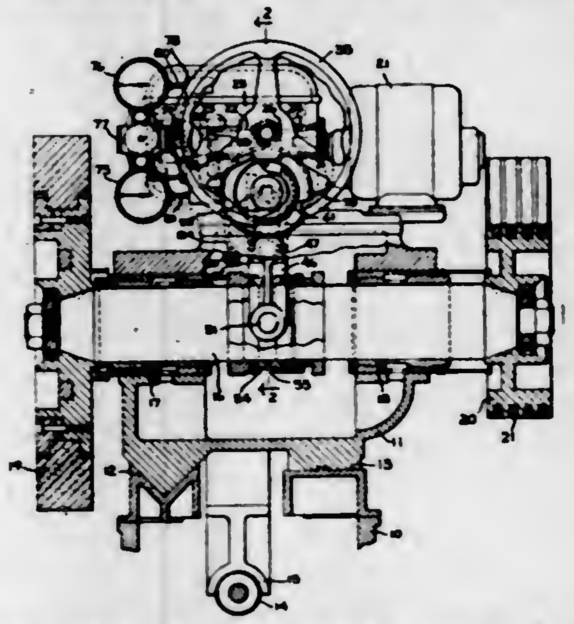


1. Apparatus of the class described comprising a boom, a conveyor bucket movably mounted thereon, said bucket having an outlet, closure means for said outlet, flexible elements mounted on said boom, actuating mechanism for said closure means including a lever and sheaves on the lever on opposite sides of the pivotal axis of the lever, means including one of said sheaves over which one of the flexible elements is looped, means including the other of said sheaves over which the other flexible element is looped, and means to simultaneously move said flexible elements in opposite directions to control the opening and closing movements of said closure means.

2,419,130
GRINDING WHEEL SPINDLE RECIPROCATING MECHANISM

Carl G. Flygare and Charles C. Alvord, Worcester, Mass., assignors to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application March 15, 1944, Serial No. 526,528
8 Claims. (Cl. 51—34)

1. In a grinding machine having a rotatable axially reciprocable grinding wheel spindle, a wheel spindle reciprocating mechanism therefor including a rotatable sleeve, a shaft eccentrically supported within said sleeve, an eccentric formed integral with one end of said shaft, operative connections including a yoke between said eccentric and said spindle, means to rotate said sleeve, and means including an index mechanism including an index plate having a plurality of index holes which is fixedly mounted on said sleeve and an index plate having an index pin engageable with said holes which is slidably keyed to said shaft which serve adjustably to connect the other end of said shaft with the sleeve to facilitate varying the eccentricity of said eccentric.



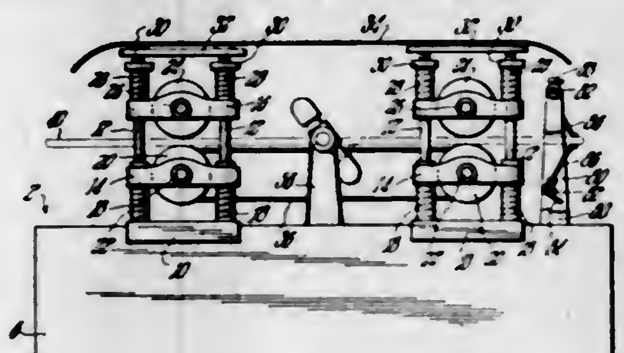
2,419,131
CARBOXYLATION OF ISO-OLEFINS

Thomas A. Ford, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 23, 1945, Serial No. 579,491
6 Claims. (Cl. 260—533)

2. In a process for the carboxylation of isoolefins selected from the group consisting of isobutylene, triisobutylene and vinyl cyclohexene with carbon monoxide at a temperature between 50 and 200° C. and under a pressure between 100 and 1500 atmospheres, the step which comprises conducting the reaction in the presence of from 64 to 84% aqueous sulfuric acid.

2,419,132
APPARATUS FOR TREATING SHEET MATERIAL

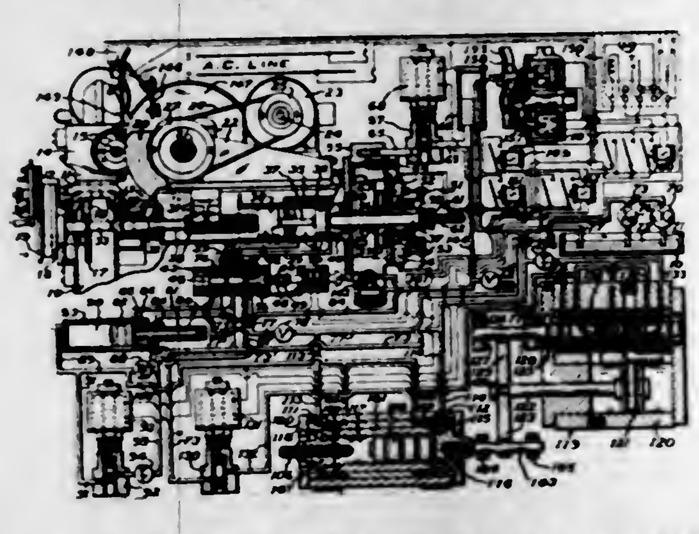
Murray J. Friedman, Northampton, Mass.
Application January 18, 1945, Serial No. 573,402
1 Claim. (Cl. 91—18)



Apparatus for treating sheets of ply wood and the like comprising in combination, a tank for liquid having opposite longitudinal side walls, brackets secured to said side walls at opposite ends thereof, spaced guides arranged in pairs and extending upwardly from each bracket providing pairs of guides at each side of the tank at opposite ends thereof, lower springs on the guides of each pair thereof, lower roll supports having opposite ends slidable on the pairs of guides yieldingly supported by said springs, lower rolls journalled in the lower roll supports at opposite ends of the tank and extending thereacross, upper roll supports having opposite ends slidable on the pairs of guides above said lower roll supports, abutments adjustable on the upper ends of said guides, springs between said abutments and upper roll supports yieldingly resisting upward movements of said supports, upper rolls journalled in said upper roll supports providing with said lower rolls pairs of cooperating rolls which are yieldingly separable to receive sheets of ply wood and the like, driving connections between the lower rolls of the pairs thereof and means for driving one of lower said rolls, means disposed transversely of said tank between said brackets for applying treating liquid to opposite sides of a sheet being fed by said pairs of rolls, and means at one end of said tank for engaging opposite sides of a sheet for removing excess liquid therefrom, all adapted and arranged whereby said pairs of rolls frictionally engage opposite faces of a sheet with predetermined pressure for feeding the same longitudinally of said tank and relative to said liquid applying and removing means while either pair of rolls may move upwardly or downwardly relative to the other pair while maintaining said yielding pressure.

2,419,133
GRINDING WHEEL FEEDING MECHANISM

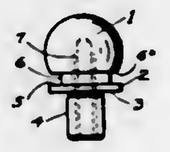
John I. Garside, West Boylston, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application July 28, 1945, Serial No. 607,589
12 Claims. (Cl. 51—2)



1. In a grinding machine having a rotatable grinding wheel, a transversely movable slide therefor, means including a piston and cylinder rapidly to move said slide, means including a dash pot feed regulator to slow down the rapid approaching to a relatively slow continuous feeding movement, electrical control means rendered operative after a predetermined slow feed intermittently to produce a fine intermittent feed to round up the surface being ground, means to stop the forward feed for a predetermined time interval, and an electrical time delay relay operatively connected to return said slide and grinding wheel to an inoperative position after a predetermined period of dwell.

2,419,134
LOCATOR UTILIZABLE IN FORMING METAL ARTICLES

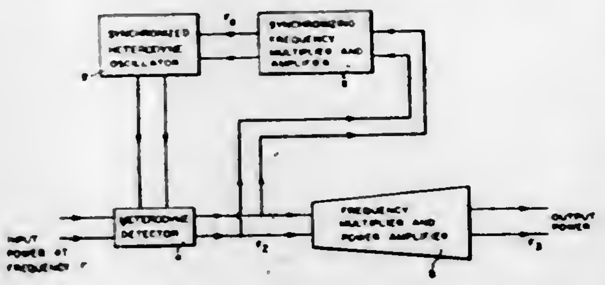
Nelson Hall, Detroit, Mich.
Application June 17, 1944, Serial No. 540,847
3 Claims. (Cl. 33—174)



1. A device for the purpose described, comprising an element having a terminal portion at one end for engagement in an aperture, the opposite end being of a ball-like form including a base for seating in fixed relation with the surface of an element having an aperture to receive the said terminal portion, the outer surface of the base being at a distance from the center of the ball equal to its radius, the ball end providing a station for location of other portions of the element in which the ball is seated.

2,419,135
ULTRA HIGH FREQUENCY AMPLIFYING SYSTEM

Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application August 20, 1942, Serial No. 455,443
3 Claims. (Cl. 179—171)


SYNCHRONIZED HETERODYNE OSCILLATOR
SYNCHRONIZING FREQUENCY MULTIPLIER AND AMPLIFIER
HETERODYNE DETECTOR
FREQUENCY MULTIPLIER AND POWER AMPLIFIER
OUTPUT POWER
INPUT POWER AT FREQUENCY F

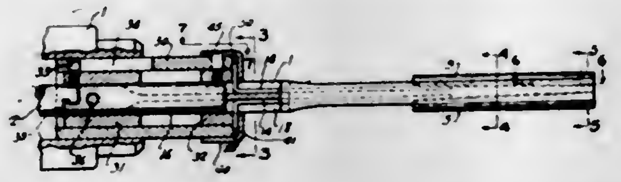
1. The method of relaying frequency modulated high frequency wave energy which includes the following steps, receiving said high frequency wave energy, beating the same with other wave energy of lower frequency to derive correspondingly modulated wave energy of a difference frequency which is a submultiple of the frequency of the received wave energy, amplifying the beat frequency energy and multiplying its frequency by a factor such that the said frequency multiplied wave energy is of the same frequency as the frequency of said first wave energy, transmitting energy resulting from the last step, and locking the transmitted energy in fixed frequency relation with respect to the received wave energy by multiplying the frequency of the derived wave energy of said difference frequency by a factor such that the multiplied frequency differs from the frequency of the received wave energy by said difference frequency and entraining said other energy with said last mentioned energy of multiplied frequency.

2,419,136
HONING MANDREL

Albert F. Hasty, Detroit, Mich.
Application April 25, 1945, Serial No. 590,139
5 Claims. (Cl. 51—184.3)

1. A honing mandrel comprising, a mandrel bar having one end adapted to be engaged and rotated, said bar having oppositely disposed U-

shaped channels extending lengthwise from a mid-portion thereof to the free end thereof, the sides of the channels being substantially straight and parallel to each other, the bottoms of the channels being defined by an intervening web and said bottoms being substantially flat and at right angles to the sides, said web being of gradually thickening and tapering wedge-like form with its thinnest portion at the free end of the bar, a stone holder comprising a holding plate, a stone seated upon and secured to the plate, there being a stone holder and stone positioned in each channel with the plates resting upon the web, a laterally projecting key on each plate, a lateral groove in each channel adjacent the free end of the mandrel bar and having a longitudinal extent greater than that of the key, each key being disposed in one of the grooves, said stone holders with their stones and the mandrel bar adapted to be relatively adjusted longtiudinally whereby the stones are radially adjusted.



2,419,137
INHIBITING TASTE AND ODOR IN GLYCOLLIC ACID

Harry C. Hetherington, Charleston, W. Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Original application March 28, 1942, Serial No. 436,712. Divided and this application January 25, 1945, Serial No. 574,634

2 Claims. (Cl. 260—535)

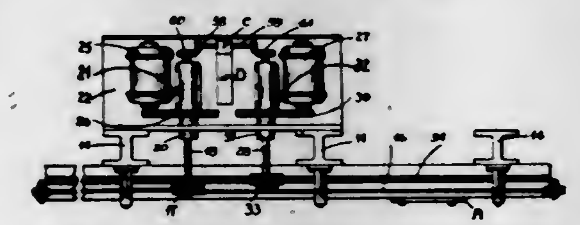
1. A method of inhibiting the development of foreign taste and odor in hydroxyacetic acid when in contact with chrome-alloy steels, which comprises incorporating in hydroxyacetic acid at least 0.0002% of copper ions based on the weight of the hydroxyacetic acid.

2,419,138
RETRACTING BOOM CRANE

Harold G. Hills, Lakewood, Ohio, assignor to The Wellman Engineering Company, Cleveland, Ohio, a corporation of Ohio

Application September 10, 1945, Serial No. 615,335

1 Claim. (Cl. 212—86)



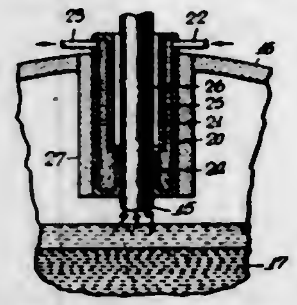
In a retracting boom crane, the combination of a movable boom assembly, a trolley assembly supported by said boom assembly for movement therealong, means comprising an electric motor for receiprocating said boom, means comprising an electric motor for reciprocating said trolley, and means operatively connected to both of said assemblies and to the control means for said motors for stopping either or both of said motors immediately prior to the trolley assembly assuming a position adjacent to either end of the boom assembly.

2,419,139
ELECTRODE HOLDER AND SHIELD

Robert K. Hopkins, New York, N. Y., assignor to The M. W. Kellogg Company, New York, N. Y., a corporation of Delaware

Application January 17, 1945, Serial No. 573,221

2 Claims. (Cl. 13—14)



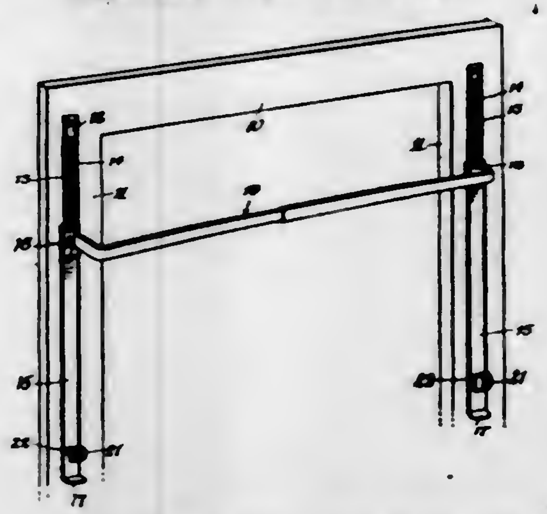
1. In a metallurgical furnace, a consumable electrode for creating a high temperature heating zone in said furnace by current discharge between its tip and the metal bath in said furnace, said electrode projecting downwardly in the interior of said furnace from the roof thereof, a fixed hollow jacket around said electrode extending along the projecting portion of said electrode from said roof to a region spaced from but close to said tip, said jacket having an inlet and outlet for the circulation of a cooling medium therethrough, and embracing said electrode with a snug slide fit to permit said electrode to be fed downwardly therethrough towards said zone as it is consumed endwise, and a heat insulating covering around said jacket adapted to shield said jacket from direct exposure to the heat in said furnace.

2,419,140
CURTAIN ROD MOUNTING

John Jacqué, New York, N. Y.

Application November 24, 1945, Serial No. 630,653

2 Claims. (Cl. 248—265)



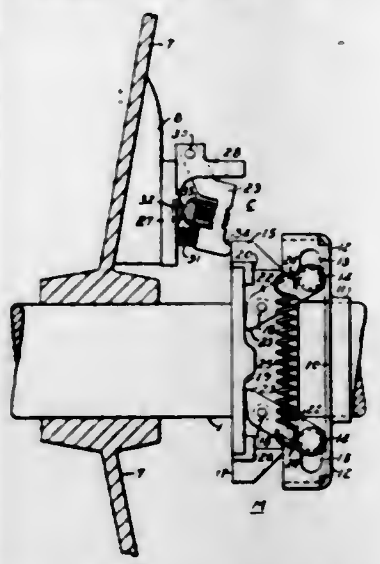
1. In combination with the side frame of a window, a rack plate having rack teeth therealong and lateral flanges, a slide plate having overturned edges to embrace the flanges and slide along the rack plate, a curtain-supporting member on said slide plate, a spring finger on the slide plate to engage the teeth of the rack plate and latch the slide plate from movement in one direction, a releasing plate disposed between the rack and slide plates and having a slot through which the end of the spring finger extends, and manipulable means on the slide plate and connected to the releasing plate to move it in one direction whereby the slot cams the spring finger out of engagement with the teeth so that the slide plate may then be moved in a given direction.

2,419,141
MOTOR CONTROL

Francis J. Johns, Pittsburgh, and Herbert W. Howard, Wilkinsburg, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application August 15, 1944, Serial No. 549,556

1 Claim. (Cl. 200—80)



A centrifugal switch comprising a support adapted to be rigidly secured to a shaft, a disk member movable between positions relative to said support in the axial direction of said shaft and being biased toward one of said positions, weight means slidably mounted on said support for moving said member toward said other positions under the influence of centrifugal force, two pairs of mutually spaced links disposed at opposite radial sides of the shaft and being attached to said weight means and pivoted at said member so as to move angularly relative to said member when the latter moves axially of the shaft, each of said links forming a stop and said member having corresponding stop surfaces for limiting the angular movement of said links relative to said member in order to limit thereby the movement of said member away from said support, and contact means controlled by said member.

2.419.142
TREATMENT OF ALKYL KETONES TO FORM CONDENSATION PRODUCTS THEREOF

Vladimir N. Ipatieff and Carl B. Linn, Riverside, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application June 29, 1944, Serial No. 542,806

6 Claims. (Cl. 260—668)

1. A process for dehydrating ketones which comprises reacting an alkyl ketone in the absence of free hydrogen at a temperature of from about 150° to about 450° C. in the presence of a catalyst prepared by treating with a reducing gas a composite comprising essentially copper oxide, zinc oxide, and alumina.

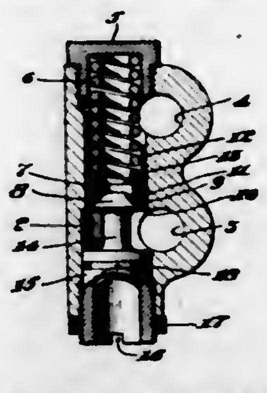
2,419,143
RELIEF VALVE

Ottmar A. Kehle, West Los Angeles, Calif., assignor to Adel Precision Products Corp., a corporation of California

Application May 28, 1943, Serial No. 488,924

1 Claim. (Cl. 137—53)

In a hydraulic relief valve, a body having a valve-receiving bore extended therethrough, a pressure port extending tangentially to and communicating with one side of said bore, a return port extending tangentially from said bore through an outer surface of said body, a removable closure at one end of said bore, an annular valve member having a working fit in said bore between said ports, a spring interposed between said valve member and said closure for urging the valve member against its seat, a frusto-conical valve seat in said bore between said ports having a maximum diameter greater than half the diameter of the bore and being circumferentially spaced from the wall of the bore to define an annular space exposing an annular portion of the valve member to the pressure of fluid in said pressure port, a plug member axially adjustable in and closing the other end of said bore, and a stem opposite said pressure port of materially less diameter than the maximum diameter of said seat and fixed to said plug member and said seat so that the seat is axially adjusted with the plug member to regulate the tension of said spring and a widened annular fluid inlet space is provided around said stem, said seat, stem and plug member constituting a one piece construction and said plug member extending outwardly from the valve body for manipulation to axially adjust the valve seat.



2,419,144
ANTISEIZE AND SEALING COMPOUND

John P. Kelly, Toledo, Ohio, assignor to Champion Spark Plug Company, Toledo, Ohio, a corporation of Delaware

No Drawing. Application December 18, 1944, Serial No. 568,788

3 Claims. (Cl. 252—23)

1. A composition of matter for use between metal joint surfaces to prevent seizing of the surfaces after heating and cooling cycles comprising 34 to 44% petroleum lubricating oil, 9 to 15% of a stearate of the group consisting of lithium stearate and barium stearate, 11 to 25% talc, and 19 to 27% flaked graphite.

2,419.145
HOIST

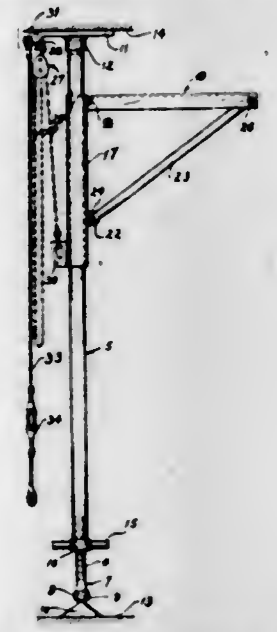
William J. Kersenbrock and Walter W. Riley, Brentwood, Mo.

Application October 9, 1944, Serial No. 557,881

3 Claims. (Cl. 214—95)

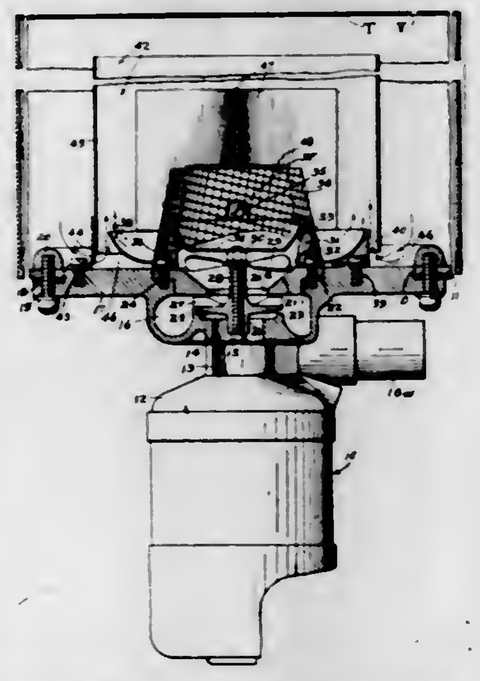
1. In a hoist of the kind described, a cylindrical post for positioning vertically between the ground or floor and an overhead ceiling or the like, the lower end of the post being formed axially tubular for receiving a jack-shank, a base having an integrally formed ball located centrally on its upper side, a round and screw threaded jack-shank passed freely at its upper end into the tubular lower end of the post, the lower end of the jack-shank being formed with a socket for seating upon the ball of the base for enabling the vertical adjustment of the post, a jack operating handle formed with a centrally bored and interiorly screw threaded hub portion adapted to

threadedly engage and pass the jack-shank below the lower end of the tubular post and upon which hub the post rests and whereby through rotation of the jack operating handle the post may be raised, a ceiling plate formed with a pendant socket member adapted to receive and rotatably engage the upper end of the post and whereby the post may be braced between floor and ceiling or removed therefrom by rotation of said operating handle, a sleeve slidably and rotatably mounted upon the post, a platform connected with and supported from the sleeve, and means for raising and lowering the sleeve and platform vertically upon the post.



2,419,146
BOOSTER PUMP WITH VAPOR SEPARATING MEANS

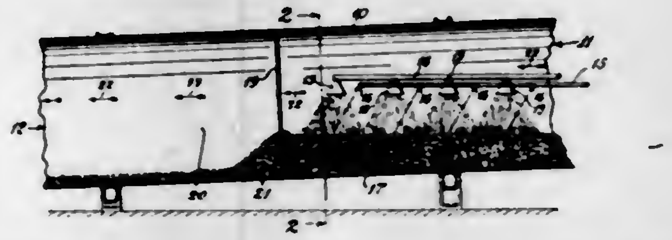
Ewald J. Kimm and Bernard R. Bellmann, Dayton, Ohio, assignors to Curtis Pump Company, Dayton, Ohio, a corporation of Ohio
Application June 19, 1944, Serial No. 541,016
14 Claims. (Cl. 222—189)



1. In a fuel system for an aircraft engine including a tank adapted to contain a pond of liquid fuel and having an opening in its bottom wall; the improvements of a pump casing mounted on the tank around said opening; a pump impeller in said casing; an annular inlet throat overlying said impeller; an agitator adjacent said throat for ejecting a stream of bubbles radially away from said throat; a screen encompassing said agitator; means in said tank receiving fuel therefrom for maintaining a localized pond of fuel around and above said screen; and an annular deflector within said means beyond said agitator for directing the bubble stream upwardly in the localized pond of fuel.

2,419,147
MANUFACTURE OF SODIUM TRIPOLYPHOSPHATE

Charles S. King, Joliet, Ill., assignor to Blockson Chemical Co., Joliet, Ill., a corporation of Illinois
Application September 14, 1942, Serial No. 458,201
18 Claims. (Cl. 23—106)



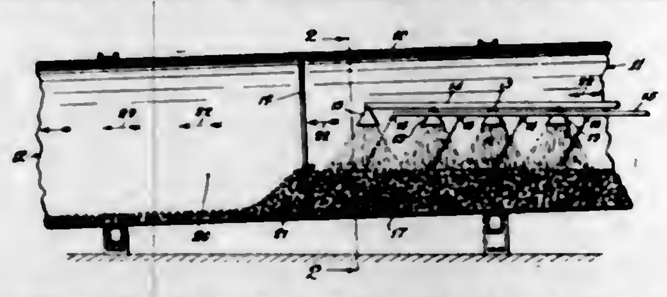
1. The method which comprises forming a solution in water of material providing at least 5 moles and less than 6 moles of Na_2O and 3 moles of P_2O_5 and of a composition to provide the hereinafter-mentioned solid salt residue infusible at temperatures up to at least 600° C. which residue ultimately consists analytically of Na_2O and P_2O_5 in the said proportion of said solution, finely dividing the solution, flash-drying the finely divided solution so as to provide said solid salt residue in finely mixed form, heating said residue at a temperature in the range from 250° to 600° C., whereby to form a crystalline salt mass containing units corresponding to $Na_5P_3O_{10}$ which mass is substantially free from $NaPO_3$ and containing $Na_4P_2O_7$ substantially in the amount necessitated by the content of Na_2O in excess of said 5 moles.

8. In the process of forming sodium polyphosphate at temperatures not over 600° C., the steps which comprise forming a solution in water of a mixture of dissolved substances including at least one compound of Na_2O and at least one different compound of P_2O_5 which mixture is capable of providing the hereinafter-mentioned solid salt residue infusible at temperatures up to at least 600° C. which residue ultimately consists analytically of 5 moles of Na_2O and 3 moles of P_2O_5, and flash-drying said solution so as to provide said solid salt residue in finely mixed form, and heating said residue at a temperature in the range from 250° to 600° C., whereby the residue contents react to form sodium triphosphate.

2,419,148
MANUFACTURE OF SODIUM TRIPHOSPHATES

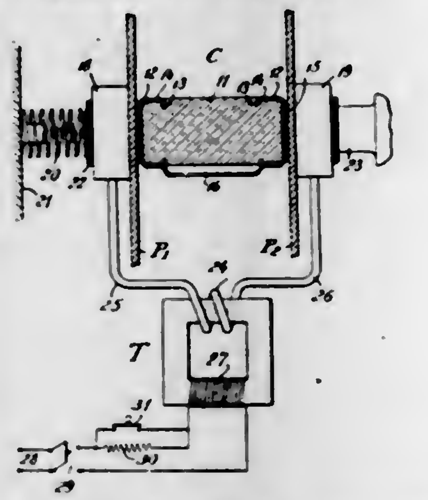
Charles S. King, Joliet, Ill., assignor to Blockson Chemical Co., Joliet, Ill., a corporation of Illinois
Application August 16, 1944, Serial No. 549,747
16 Claims. (Cl. 23—106)

1. The method of producing a form of sodium triphosphate having greater immediate solubility and higher molecular weight in terms of $Na_5P_3O_{10}$ than has the compound $Na_5P_3O_{10}.6H_2O$ expressed in terms of $Na_5P_3O_{10}$, which comprises flash-drying finely divided aqueous solution containing at least one compound of Na_2O and at least another compound of P_2O_5 all of said compounds being present in quantity to provide material in the proportion of 5 moles of Na_2O to 3 moles of P_2O_5 which solution is capable of providing a solid salt residue infusible in the process steps hereof and ultimately consisting analytically of 5 moles of Na_2O and 3 moles of P_2O_5, heating the resulting finely mixed residue at a reaction temperature in the range from 300° C. to about 450° C. whereby to effect reaction in the residue to combine the said analytical contents of Na_2O and P_2O_5, and thereafter maintaining the temperature of the resulting product below a temperature of about 450° C.



2,419,149
ELECTRICAL METHOD OF MECHANICALLY CONNECTING AND MUTUALLY INSULATING SPACED METAL ELEMENTS

Erwin Lodwig, Franklin Square, N. Y., assignor to Mobile Refrigeration, Inc., Long Island City, N. Y., a corporation of New York
Application January 1, 1944, Serial No. 516,731
2 Claims. (Cl. 219—10)

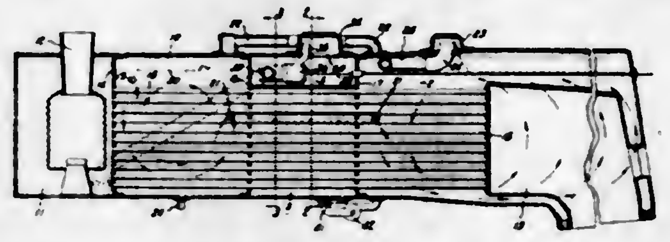


1. A method of mechanically connecting and mutually insulating a pair of spaced conductive metal elements which comprises interposing between the said elements a connector of electrical insulating material having spaced metal end pieces thereon respectively contacting said elements and a current separable link electrically connecting said end pieces, passing an electric current between said elements whereby said end pieces are respectively welded to said respective elements and passing additional current between said elements to open said current separable link after said end pieces are welded to said elements.

2,419,150
STEAM BOILER

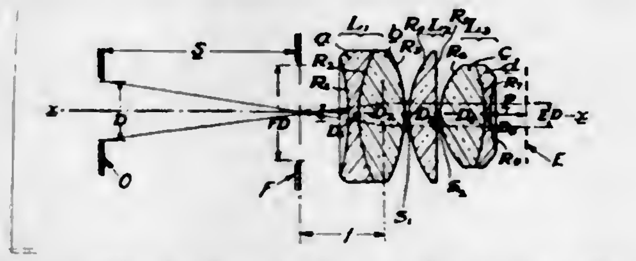
Nathan M. Lower, Erie, Pa.
Continuation of application Serial No. 399,150, June 21, 1941. This application filed May 21, 1945, Serial No. 594,961
8 Claims. (Cl. 122—463)

1. A boiler comprising a water compartment, a second water compartment, means for connecting said compartments, a superheater compartment disposed between said water compartments, flues extending through said water and superheater compartments, means on said flues for reducing to a minimum leakage into said superheater compartment, and supplementary power means for evacuating said leakage and returning it to the water compartment.



2,419,151
EYEPIECE UNIT FOR TELESCOPIC SYSTEMS OF THE CLASS INCLUDING BINOCULARS

John R. Miles, West Englewood, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application June 30, 1944, Serial No. 542,853
16 Claims. (Cl. 88—57)

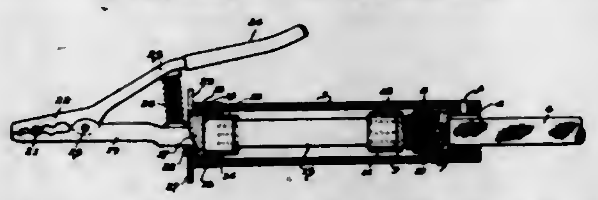


1. An optical system for eyepieces for telescopes or the like of approximately seven power and including a normal objective, comprising a plurality of lenses in axial alignment substantially according to the following formula, taking the focal length *f* of said system as 100 units and the lens members as L_1, L_2 and L_3 with L_1 including lenses *a* and *b* and L_3 including lenses *c* and *d*:

		Refractive Index—N_D	V
$R_1=-333.53$			
	$D_1=17.99$	$a=1.689$	30.9
$R_2=+190.96$		L_1	
	$D_2=64.97$	$b=1.611$	58.8
$R_3=-134.72$			
	$S_1=1.73$		
$R_4=+137.05$			
	$D_3=37.72$	$L_2=1.517$	64.5
$R_5=\infty$			
	$S_2=1.73$		
$R_6=+91.29$			
	$D_4=62.33$	$c=1.517$	64.5
$R_7=-193.92$		L_3	
	$D_5=8.76$	$d=1.689$	30.9
$R_8=+149.72$			

in which R_1, R_2, R_3, R_4, R_5, R_6, R_7, and R_8 are radii of curvature; D_1, D_2, D_3, D_4, and D_5 lens thicknesses; S_1 and S_2 spaces between the lenses; N_D is the index of refraction in sodium light, and V is the reciprocal dispersion ratio; whereby, with a front aperture stop of 82.2 units diameter at a distance of 271 units from the focal plane, with a field stop of 125.6 units diameter at 61.16 units from the vertex of the front lens, with an exit pupil of diameter 30.3 units at a distance of 60.2 units from the vertex of the last lens, and with an apparent field of approximately 75°, and whereby the chromatic difference of magnification is zero for a symmetrically located object subtending a selected angle from approximately 55° to 70° in the apparent field.

2,419,152
ELECTRICAL CONNECTOR
Karl J. Mosebach, Pittsburgh, Pa.
Application January 11, 1945, Serial No. 572,302
2 Claims. (Cl. 200—115.5)

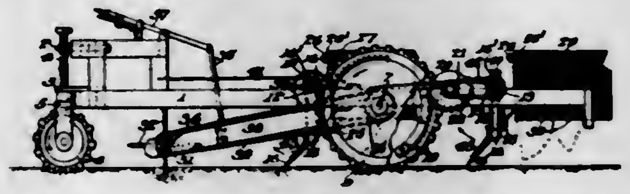


1. An electrical connector comprising a tubular body having one end partly closed by a bushing through which a cable conductor may extend, a screw-threaded bushing secured in the other end of the tube, a screw plug removably engaging the latter bushing, means carried by the plug, for detachably engaging an electrical conductor, a fuse-holding clip carried by the inner end of the plug, a screw-threaded coupling socket of smaller external diameter than the screw-threaded bushing, having abutting engagement with the inner edge of the first-named bushing and having a hole through its end wall, through which wires from the cable may extend, and a coupling plug having threaded engagement with the coupling socket and having a fuse-holding clip, and a fuse carried by the clips, the coupling plug serving to clamp wires against an inner wall surface of the coupling socket, and the coupling members being removable from the tubular body, when the first-named plug is removed.

2,419,153
LUBRICANT AND THE LIKE
John M. Musselman, South Euclid, and Herman P. Lankelma, Shaker Heights, Ohio, assignors to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application April 9, 1943, Serial No. 482,491
14 Claims. (Cl. 252—32.7)

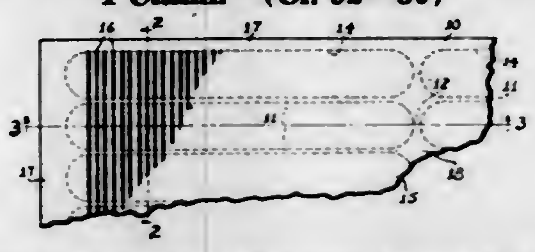
1. In a process of preparing lubricants, reacting an unpolymerized organic oxygen-containing compound forming oil-soluble metal phosphorus sulfide reaction products and having a boiling point not less than 300 F. with phosphorus pentasulphide at a temperature above phosphate formation, and converting the product into a barium compound.

2,419,154
BEACHCOMBING APPARATUS
Thomas L. O'Brien, Far Rockaway, N. Y.
Application December 10, 1943, Serial No. 513,814
13 Claims. (Cl. 55—17)



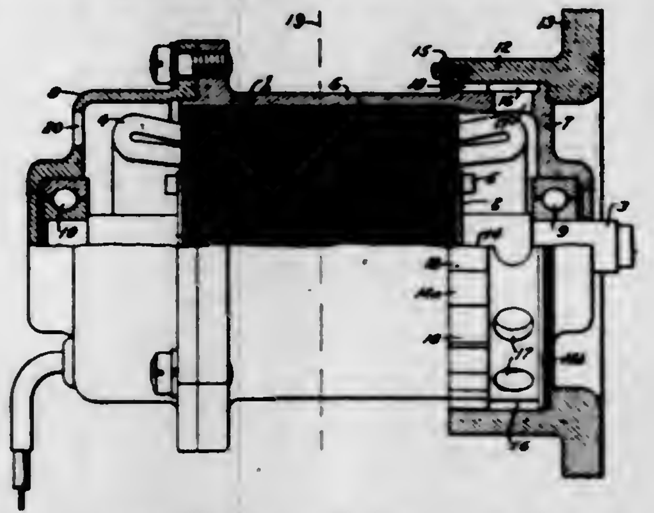
1. An apparatus of the character described comprising, a chassis frame, wheels supporting said frame, a plurality of combing devices pivotally mounted on said frame in tandem relation, means for holding said devices in pickup position, automatic means for lifting said devices intermittently from pick-up to discharge position and automatic means for returning said devices to pick-up position, said lifting means being operatively connected to said wheels and said returning means being operatively connected to the frame and to the combing devices.

2,419,155
WOOD PULP SCREEN PLATE
Samuel T. Orton, Jr., Lunenberg, Mass., assignor to Union Screen Plate Company, Fitchburg, Mass., a corporation of Massachusetts
Application February 19, 1944, Serial No. 523,075
1 Claim. (Cl. 92—30)



A wood pulp screen plate comprising a one piece, long and narrow body having its effective screening plate portions of thin metal of substantially uniform thickness, marginal flanges, long parallel spaced channel ribs, and at least one intermediate cross rib between the marginal flanges on the underside of the plate and which are integral with the plate portions and several times the thickness thereof and strengthen and support the same, said flanges and ribs providing long, narrow, parallel, downwardly opening channels on the under side of the plate which are not over 3 inches wide, each of the screening plate portions in the channels having a multiplicity of parallel, transverse pulp screening slits therethrough which extend lengthwise substantially perpendicular to the long channel ribs and substantially the entire distance therebetween, said slits being separated by bridges formed of said plate portions which are located close to the channel ribs and are reinforced thereby, the bridges being substantially rectangular in cross section and having vertical, non-angular, smooth walls extending substantially the entire thickness of the plate portions within the channels and thus forming slits of substantially uniform depth and width, all of each screening portion within each channel being smooth on the under side and devoid of ribs and grooves between and parallel with the bridges so that the channel is wholly open beneath the transverse slits and the passage of pulp is unobstructed except by the slit walls, and said flanges, ribs and plate portions forming a continuous but slitted top plate surface that is smooth and unobstructed.

2,419.156
MOTOR
Lewis C. Packer, Longmeadow, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 10, 1944, Serial No. 562,793
6 Claims. (Cl. 171—252)



1. An overhung-mounted dynamo-electric machine, comprising a stator-member and a rotor-member, said rotor-member having a shaft which extends out of the dynamo-electric machine at the supported end of the machine, said stator-member having a frame having a pilot-fit peripheral portion at its supported end, said pilot-fit portion being accurately surfaced to adapt it to accurately aline the motor within a socket-shaped supporting-member, and ventilating-means comprising a plurality of interconnected radial and axial ventilating passages in said pilot-fit portion of the frame, said axial passages being peripheral grooves in said axial-fit portion.

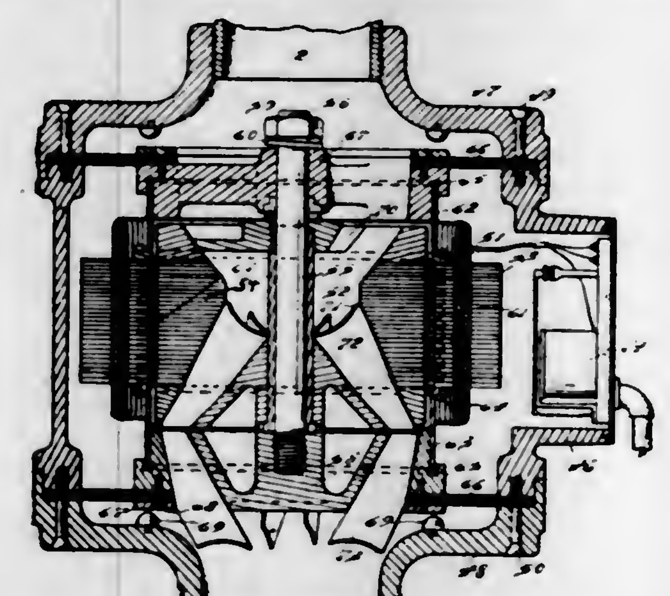
2,419,157
PREPARATION OF ETHYLENEBISIMINO-DIACETIC ACID AND SALTS THEREOF
Edryd Gwylfa Parry, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application July 21, 1944, Serial No. 546,059. In Great Britain July 28, 1943
7 Claims. (Cl. 260—534)

3. In a process for the preparation of salts of ethylenebisiminodiacetic acid the step which comprises reacting an ethylene dihalide with iminodiacetic acid in the presence of an acid-binding agent in aqueous solution, whereby a product containing a salt of ethylenebisiminodiacetic acid is obtained.

2,419,158
PRODUCTION OF VANILLIC ACID (SILVER OXIDE PROCESS)
Irwin A. Pearl, Appleton, Wis., assignor, by mesne assignments, to Sulphite Products Corporation, Appleton, Wis., a corporation of Wisconsin
No Drawing. Application January 12, 1944, Serial No. 517,985
8 Claims. (Cl. 260—521)

5. The process of producing vanillic acid from vanillin, which comprises reacting silver oxide in water with an alkali hydroxide and vanillin.

2,419,159
COMBINATION PUMP-MOTOR-HEATER
Albert R. Pezzillo, Philadelphia, Pa.
Application December 19, 1944, Serial No. 568,865
7 Claims. (Cl. 219—38)

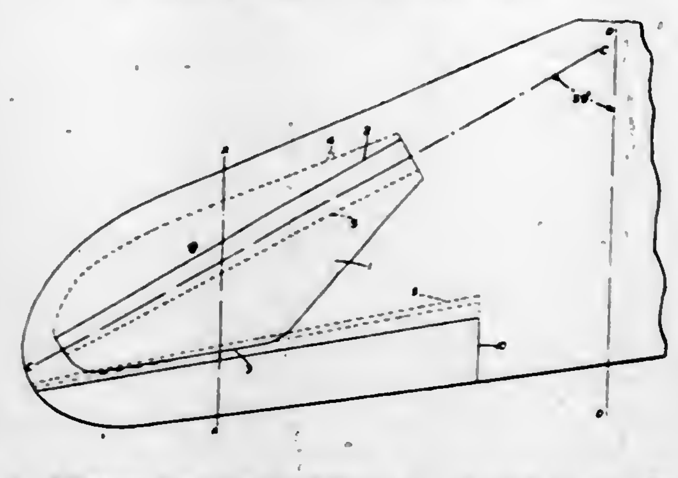


1. In a heat generator and circulator, a casing having an inlet and an outlet, a tubular rotor within the casing having an impeller, a stator surrounding the rotor, and a non-magnetic cylinder having high electrical conductivity between the stator and rotor to create an electrical unbalance between the stator and rotor throughout the length of the rotor, whereby the rotor is heated to heat the fluid being impelled by the impeller.

2,419,160
VEGETABLE GLUE
Gordon G. Pierson, Lansdale, Pa., assignor to Perkins Glue Company, Lansdale, Pa., a corporation of Delaware
No Drawing. Application October 26, 1943, Serial No. 507,723
11 Claims. (Cl. 106—150)

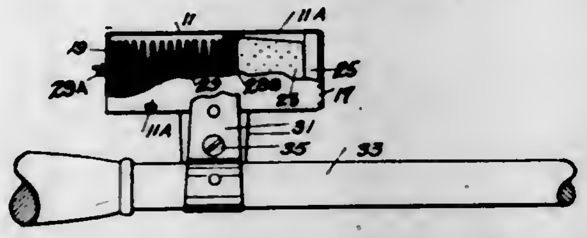
1. A vegetable glue comprising the products of reaction of cassava starch, wheat flour, caustic alkali, and water, the wheat flour being present in a percentage of from about 25% to about 65% based on the total weight of cassava starch and wheat flour, and the water being present in an amount to provide a ratio of water to starch of from about 2 to 1 to about 3½ to 1.

2,419,161
MEANS FOR CONTROLLING AEROPLANES WHEN IN FLIGHT
Hubert Lewellen Pitt, Bromley, England
Application August 27, 1943, Serial No. 500,196
In Great Britain July 3, 1942
19 Claims. (Cl. 244—42)



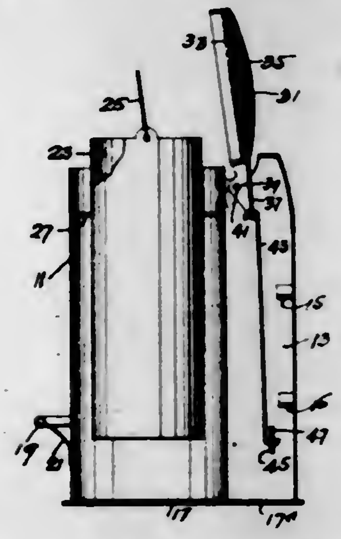
1. Means for controlling an aeroplane in flight, comprising in combination wing defining structure, a control stabiliser not greater in area than half the area of the wing at one side of the aeroplane and mounted in an orifice formed in the wing between the leading and trailing edges of the latter, the control stabiliser being adapted to be turned relatively to said orifice on an axis which is directed forwardly and inclined to the longitudinal axis of the aircraft at an angle which is less than 90° to said longitudinal axis, said stabilizer turning axis being arranged between the leading and trailing edges of the stabiliser so that when the latter is turned from its inoperative position, in which it is faired with the upper and lower surfaces of the wing, into operative positions, its leading edge projects downwards below the lower surface and forwards towards the leading edge of the wing whilst its trailing edge projects upwards above the upper surface of the wing and rearwards whereby air from the underside of the wing is caused to flow both over the top surface and over the underside of the stabiliser through the orifice in the wing, and a trailing edge flap turnably arranged at the trailing edge of the wing structure aft of the control stabiliser, the said flap being adapted to act independently of the stabiliser and alternatively to act as an elevator in cooperation with the stabiliser.

2,419,162
LOCATOR AND POSITION INDICATOR
Teddy R. Pope, Sr., Memphis, Tenn.
Application January 19, 1946, Serial No. 642,369
2 Claims. (Cl. 9—9)



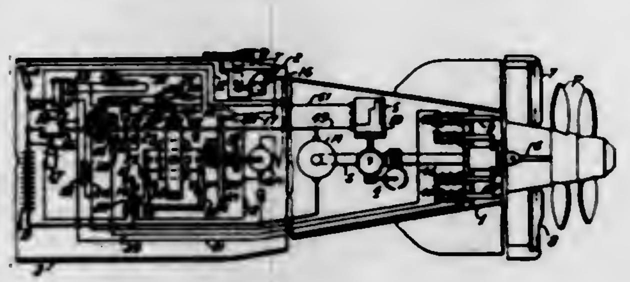
1. A position indicator for articles submerged in water, including a tubular casing having a head at one end and open at the other and having perforations for entrance of water, a normally extended coil spring, of greater length than said casing, loosely disposed in and compressed within said casing, a shallow cup seated against said spring, a line secured at one end to said head extending through said spring and the bottom of said cup, having a substantial portion of its length coiled in said cup, a float seated against said coil and secured to the other end of said line, and a disc-like plug of material disintegratable by the action of water secured in the open end of said casing and retaining said float in said casing against the action of said spring until disintegrated by water, said plug having its outer face and peripheral edge waterproofed.

2,419,163
GARBAGE RECEPTACLE AND LADDER
Teddy R. Pope, Sr., Memphis, Tenn.
Application February 16, 1946, Serial No. 648,103
2 Claims. (Cl. 220—1)



1. A kitchen garbage-receptacle which includes an open top casing, and an open top receptacle removably disposed therein, said casing having an overlying lid and an integrally secured base underlying and projecting laterally from one side thereof, and vertically disposed flanges spaced apart and of substantially equal height with said casing, integrally secured to said casing and base and extending outward from said casing and upward from said base, rung-like members disposed outward from said casing extending between said flanges and secured rigidly thereto, said lid having a laterally extending bracket portion with downwardly turned ears, a pin extending through said flanges and said ears pivotally hinging said lid to said casing, a foot treadle hingedly supported by one of said flanges and slidably extending through the other thereof, and a link operatively connecting said lid bracket with said treadle.

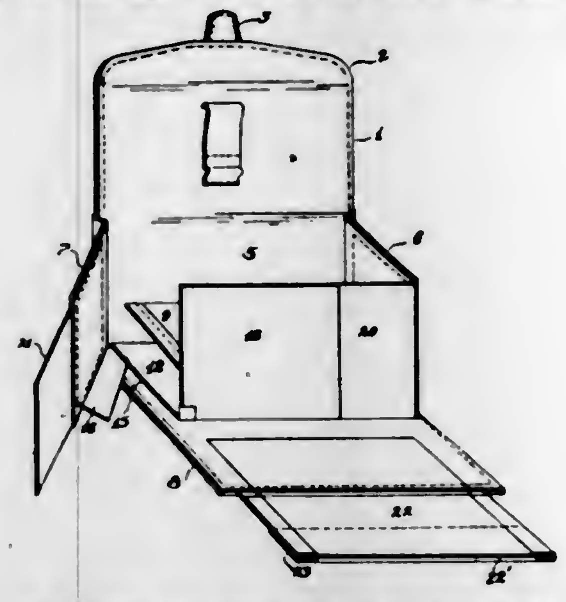
2,419,164
STEERING APPARATUS
Henry V. Putman and Merrill G. Leonard, Sharon, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 19, 1944, Serial No. 550,249
4 Claims. (Cl. 114—24)



1. In an automatic steering control for a submersible craft, in combination, a rotatable assembly comprising, a gimbal ring disposed to rotate about a vertical axis when the craft is operating on even keel, a second gimbal ring disposed to rotate on a horizontal axis at right angles to the axis of rotation of the first gimbal ring, a gyro wheel disposed to rotate about a horizontal axis at right angles to both the other two axes of rotation mentioned; a frame for the rotatable assembly fixed to the craft, means for locking the gimbal rings against rotation, said locking means comprising a generally H-shaped lever pivoted to the frame at two of its parallel legs so that the other two parallel legs, or free legs, may straddle the outer gimbal ring to prevent it from rotating, means on the outer gimbal ring for preventing the free legs from straddling the outer gimbal ring except the outer gimbal ring be in the correct position, means on the free legs adapted to engage the inner gimbal ring to prevent it from rotating, means on the inner gimbal ring adapted to prevent locking engagement between free legs and the inner gimbal ring except the inner gimbal ring be in correct position; a motor for driving the gyro wheel; a clutch for coupling the gyro wheel to the motor; a clutch lever for actuating the clutch, said clutch lever having a part disposed to engage the flat side of the H-shaped lever to prevent unlocking of the rotatable assembly when said H-shaped lever is in position to lock the gimbal rings and when the clutch lever is in position for the clutch to couple the motor to the gyro wheel and disposed to engage the edge of the H-shaped lever when the H-shaped lever is not in locking position so that the clutch lever can not be actuated to engage the clutch once the rotatable assembly is unlocked.

2,419,165
TOILET CASE
Emil Karl Renz, Dedham, Mass., assignor to Knight Leather Products Co., Inc., Boston, Mass., a corporation of Massachusetts
Application January 19, 1944, Serial No. 518,835
6 Claims. (Cl. 150—34)

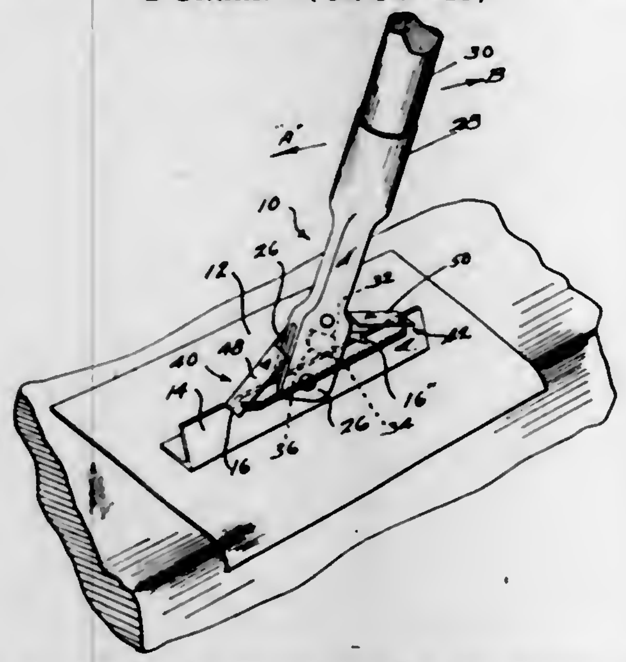
1. A toilet case having end walls, side walls, a bottom wall and a top wall mutually disposed at right angles, said end walls being set inward of the ends of the side walls and being stitched thereto at one side of each of the end walls at the outer side only of the case, said end walls each being provided with a flap extending from its bottom end adjacent its stitched side, and with another flap projecting from the edge opposite the stitched side, said latter flaps being secured to the face of the side wall which is disposed opposite the stitched side, and said former flaps being disposed to overlie the bottom wall.



2,419,166
VINYLIDENE CHLORIDE-VINYL CHLORIDE COPOLYMER CURED WITH AN ARYL GUANIDINE
Thomas H. Rogers, Jr., and Robert D. Vickers, Akron, Ohio, assignors to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application June 11, 1943, Serial No. 490,488
8 Claims. (Cl. 260—42)

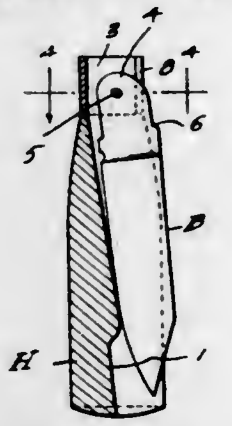
3. A method of preparing a thermoset copolymer of a monomeric mixture of from 10 to 25 percent vinylidene chloride and the balance of vinyl chloride which comprises incorporating from 1 to 10 percent (based on the weight of the copolymer) of a guanidine having at least two aryl substituents and heating the mixture to a temperature from 240° F. to 360° F. until a product is obtained having a tensile strength at least 50 percent greater than that of the uncured copolymer.

2,419,167
WALKING EDGER
Cyrus Sanford, Venice, Calif.
Application December 16, 1944, Serial No. 568,495
1 Claim. (Cl. 94—45)



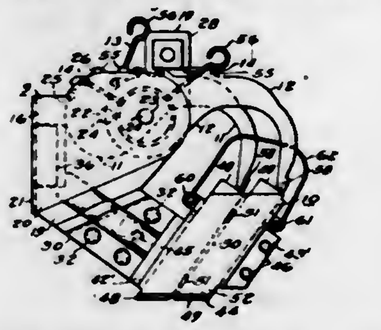
In a cement finishing tool, a surfacing blade having an angle iron fixedly secured thereto, said angle iron being formed with a plural number of notches in the free edge thereof, a yoke pivotally secured to said angle iron and a handle for said yoke whereby said tool may be functionally applied, said yoke being formed with a metallic insert having divergently inclined faces thereon, said faces being adapted to support said handle in alternate functional positions and being further adapted to transmit a downward pressure upon said handle to said blade for functional purposes, a pair of pawls pivotally mounted upon said yoke whereby a selected pawl may engage a selected one of said notches, and spring means to hold said pawls in position to engage one of said notches.

2,419,168
SHEATHED KNIFE
Anton Schuster, Kirkwood, Mo.
Application September 27, 1945, Serial No. 618,900
2 Claims. (Cl. 30—155)



1. A sheathed knife comprising a handle member provided therealong with a kerf, said kerf opening out through an end of the handle, a resilient split collar surrounding the end portion of the handle through which the kerf opens, a blade having a tang extending within the open end portion of the kerf, a pintle disposed through the handle and the kerf for pivotally connecting the blade to the handle, the free ends of the collar being spaced apart to provide a slot for register with the kerf at the open end portion thereof, said free end portions of the collar having close contact with the tang when the blade is in sheathed position, said free end portions of the collar partly overlying the adjacent portion of the kerf when the blade is in fully opened position to hold the blade against closing movement.

2,419,169
FABRICATED BRUSH HOLDER
Carl T. Sheaks, Turtle Creek, and James H. Sansonetti, Jeannette, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 29, 1943, Serial No. 496,610
5 Claims. (Cl. 171—324)



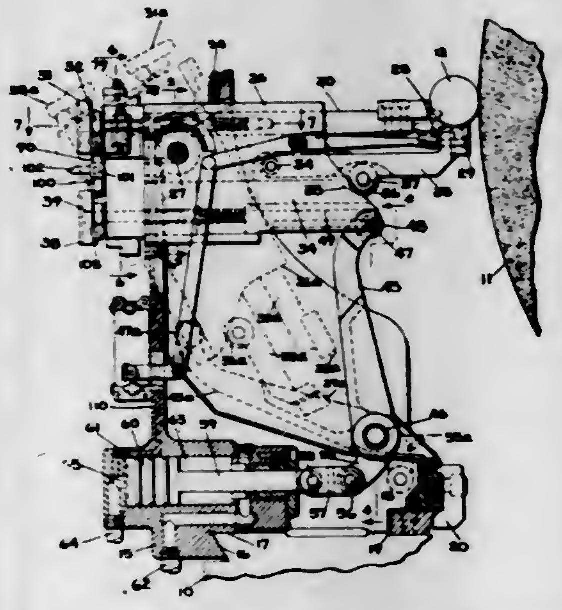
1. A fabricated brushholder for two-part brushes, comprising a pre-assembled bracket, a

pre-assembled brush-box, two fingers, two helical springs, and means for holding these parts together; said bracket comprising a right-hand U-shaped part and a left-hand U-shaped part placed side by side and joined together, said right- and left-hand U-shaped parts, when opened out flat, having substantially identical contours, being merely bent, in opposite directions, to provide the aforesaid U-shaped parts, the joined-together sides of the U-shaped parts having spread-apart portions to provide a bifurcated receptacle for a mounting-portion of the pre-assembled brush-box, and the two bights of the U-shaped parts having a mounting-means for mounting the brushholder on a support; said pre-assembled brush-box comprising a right-hand U-shaped part with flanges at the ends of the U, a left-hand U-shaped part with flanges at the ends of the U, and joining means for the flanges to provide a box large enough for the two brushes side by side, the plane of the joined flanges being at right angles to the plane between the two brushes, and a partition-member for the box located in the plane between the two brushes, to divide the box into two parts, one for each brush, one pair of said joined flanges extending out into a mounting-portion for attachment to the pre-assembled bracket, said right- and left-hand flanged U-shaped parts, when opened out flat, having substantially identical contours, being merely bent, in opposite directions, to provide the aforesaid flanged U-shaped parts; one of said fingers and one of said springs being mounted in the right-hand U-shaped part of the bracket; and the other finger and the other spring being mounted in the left-hand U-shaped part of the bracket; one of said finger-and-spring mountings being behind the other, and the fingers being of such relative lengths that the two finger-ends will engage different ones of said brushes.

2,419,170
GRINDING MACHINE STEADY REST
Herbert A. Silven, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application March 17, 1945, Serial No. 583,187

13 Claims. (Cl. 51—238)



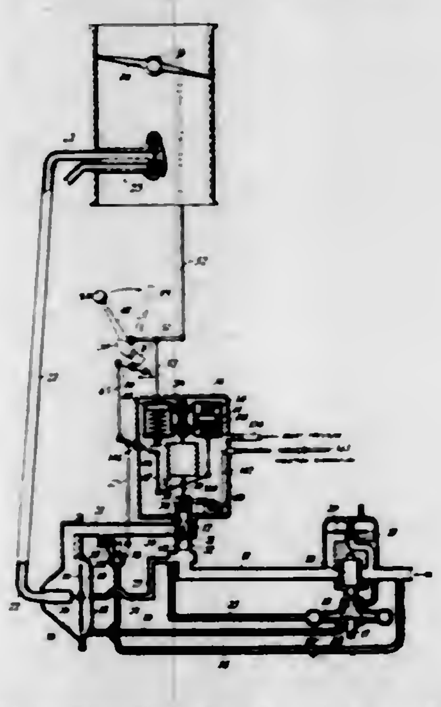
1. In a grinding machine having a steadyrest comprising a steadyrest base, a pivotally mounted steadyrest frame, a work steadying shoe adjustably mounted on said frame, means to adjust said shoe relative to said frame, means including a movable arm engagable with said frame, slidable connections between said arm and said frame, means to move said arm to move the frame and steadyrest shoe to and from an operative position, and means automatically to move said shoe, adjusting means automatically to feed and maintain said shoe in engagement with the work during a grinding operation.

2,419,171
REGULATING DEVICE FOR CONTROLLING THE SUPPLY OF FUEL TO INTERNAL-COMBUSTION ENGINES
Thomas Simpson, Kenilworth, Leonard Sidney Greenland, Weston-super-Mare, and Duncan Ramsay, North Wembley, England, assignors to H. M. Hobson Limited, London, England

Application April 28, 1944, Serial No. 533,120

In Great Britain April 8, 1943

7 Claims. (Cl. 123—119)

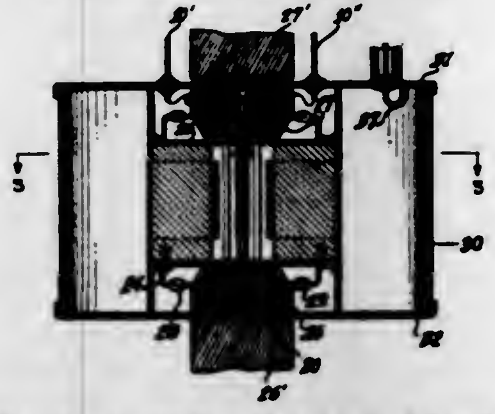


1. A fuel injection device for aircraft engines, comprising a main fuel delivery pipe, a fuel pump for feeding fuel along said pipe, a mixture strength control means comprising, a fuel-metering valve in said pipe defining a variable-area fuel metering orifice, an engine driven centrifugal impeller, a connection from the discharge ring of said impeller to the inlet side of said orifice, means for maintaining across said orifice a pressure difference proportional to that developed by said impeller, a variable datum boost control operatively connected to said metering valve so as to vary the effective area of its metering orifice as a desired function of boost pressure, a throttle valve, a pilot's throttle lever movable between a slow running and a full throttle position and operating, when so moved, to vary the datum of said boost control, control means interposed between said lever and said throttle valve for operating said throttle valve on movement of said lever, said control means being adjustable by said boost control device so as to prevent excessive opening of said throttle valve, a supplementary fuel conduit, exposed at one end to the pressure at the exit side of the metering orifice and connected at the other end to the main fuel delivery pipe in advance of the inlet of said metering orifice and a valve operatively connected to said pilot's throttle lever and serving to control the flow of fuel through said supplementary conduit, said last mentioned valve operating to vary the conditions of flow through said supplementary conduit, and thereby to change the mixture strength, only on movement of the pilot's lever into the slow running position.

2,419,172
ELECTRON DISCHARGE DEVICE HAVING COUPLED COAXIAL LINE RESONATORS
Lloyd P. Smith, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application November 19, 1943, Serial No. 510,868

17 Claims. (Cl. 250—27.5)

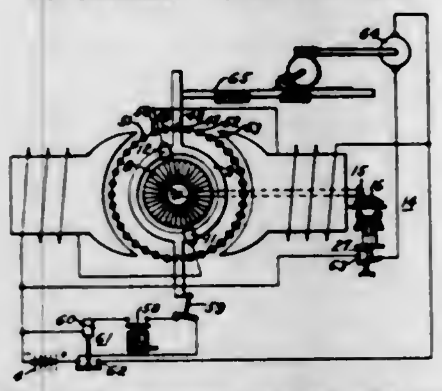


1. A device for use at ultra high frequencies and comprising a plurality of adjacent coaxial line resonators, a cavity resonator having a wall closing one end of each of said coaxial line resonators, said cavity resonator having apertures in the closed ends of said coaxial line resonators and communicating with said cavity resonator, and means adjacent the open ends of said coaxial line resonators for energizing said coaxial line resonators.

2,419,173
TORPEDO CONTROL
Walter H. Smith, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 28, 1943, Serial No. 496,415

13 Claims. (Cl. 114—20)



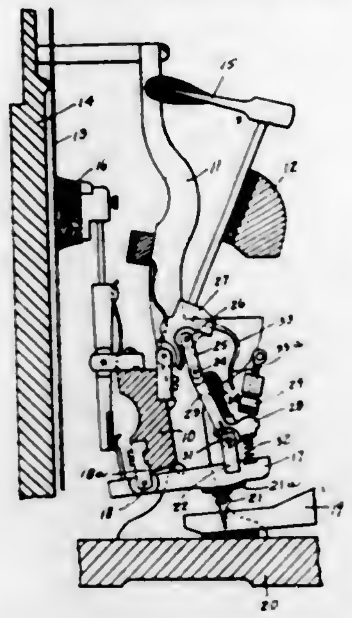
1. A system of control for an electrically propelled conveyance, in combination, an electric battery providing a source of direct current, a direct current propulsion motor connected to the battery for propelling the conveyance, said motor having exciting poles and windings thereon connected to the battery, and control means operable as a function of the motor speed and the battery voltage for progressively decreasing the effective excitation of the field winding just sufficiently to compensate for the decrease in battery voltage with the degree of discharge of the battery to thus maintain the motor speed constant up to near complete exhaustion of the battery.

2,419,174
PIANO ACTION
Francis C. Socin, St. Charles, Ill., assignor to The Rudolph Wurlitzer Company, Chicago, Ill., a corporation

Application July 21, 1944, Serial No. 545,902

2 Claims. (Cl. 84—240)

1. In a piano having actuating keys, a hammer action mounted to strike a piano string including a hammer butt, a wippen operable by one of said keys, a jack connected at each end to said wippen and hammer butt respectively, said jack being flexed upon actuation by said key to provide escapement of the hammer from said string,

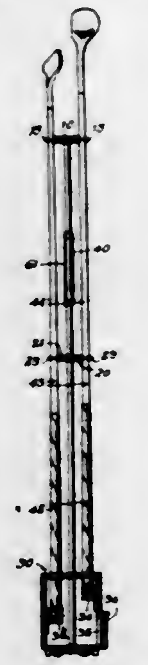


and a back check having a bendable support secured to said butt extending downwardly into position to be engaged by said jack for limiting its flexing movement, said support being bendable to effect adjustment thereof.

2,419,175
GOLF CLUB CARRIER
Gregory J. Spohrer, East Orange, N. J.

Application July 7, 1944, Serial No. 543,842

3 Claims. (Cl. 150—1.5)

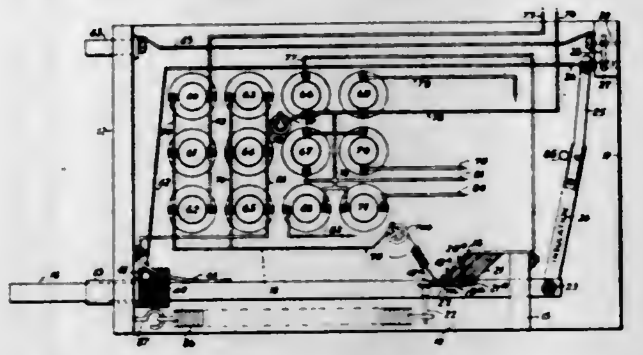


1. A golf club carrier comprising a pair of vertically extending rods, a horizontally extending plate affixed to the top of said rods, a second horizontally extending plate affixed to the middle of said rods, and a horizontally extending box affixed to the bottom of said rods, the top plate having a set of spaced hooks affixed to its side edges, said hooks opening in a common direction, the second plate having a corresponding set of spaced hooks affixed to its side edges, said hooks opening in a common direction opposite the direction in which the top plate hooks open, the box having a corresponding set of spaced apertures formed in its top wall, only said top plate hooks being disposed to register in vertical alignment with said apertures, with the middle

plate hooks being slightly displaced laterally from such registry, whereby the individually supported shaft of a golf club is gripped frictionally by its supporting means.

2,419,176
VOLTAGE REGULATOR

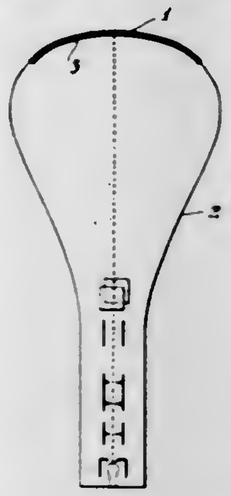
George F. Starnes, Hickory, N. C.
Application August 30, 1943, Serial No. 500,530
5 Claims. (Cl. 128—405)



1. In an electro-therapeutic machine, a framework, a front panel for the framework, a fixed handle in the front panel, a rod slidably mounted in the framework and front panel, and having a handle on the end thereof, a plurality of resistance members mounted in the framework, an electrical circuit connected to said resistances, a post rising from said rod, a plurality of leaf spring contacts engaging said post, some of the resistances being connected on one side to said leaf spring contacts, said circuit leading through said resistances and through a resistance connected to the said handles, said leaf spring contacts having flat portions of various lengths for contacting said post whereby when said rod is slid relative to the leaf spring contacts, the resistances connected to said leaf spring contacts will be disconnected, one at a time, from the circuit.

2,419,177
CATHODE-RAY TUBE COATING

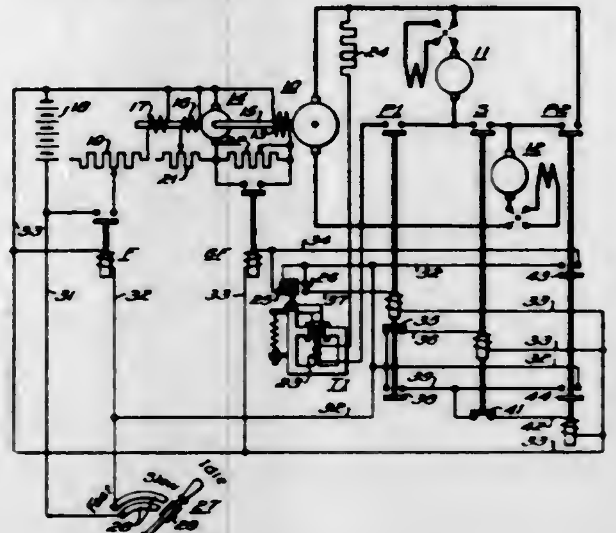
Albert Steadman, Upper Montclair, N. J., assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J., a corporation of Delaware
Application December 9, 1944, Serial No. 567,343
2 Claims. (Cl. 250—164)



1. A cathode-ray tube having a screen and having a layer of light-transmitting material on its face colored to correspond to the light produced by the cathode-ray beam of said tube on the screen thereof, said light-transmitting material having particles of inert material capable of specular diffraction distributed therein.

2,419,178
ELECTRIC MOTOR CONTROL FOR SERIES-PARALLEL OPERATION

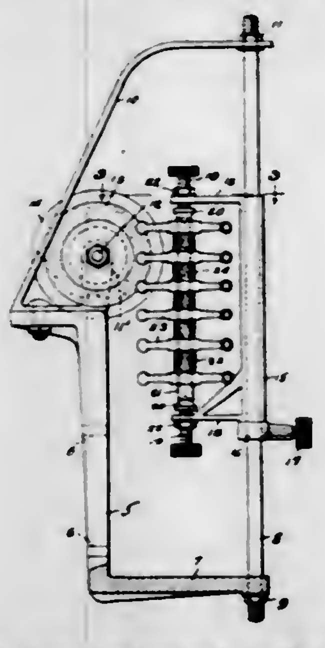
Robert M. Strong, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 18, 1942, Serial No. 458,895
8 Claims. (Cl. 172—239)



6. An electric motor control system comprising a direct current generator, a pair of direct current motors, a plurality of interlocked switching means for connecting said motors to said generator in series or parallel circuit relation, and a relay responsive to the voltage of said generator for controlling said switching means to transfer said motor from series to parallel circuit relation and to retransfer said motors from parallel to series circuit relation.

2,419,179
VALVE ROCKER ARM REFACING MACHINE

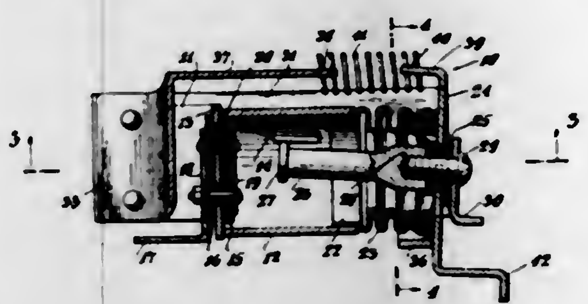
Theodore Swindle, Atlanta, Ga.
Application February 1, 1945, Serial No. 575,615
1 Claim. (Cl. 51—124)



A machine for refacing rocker arms of an internal combustion engine, comprising a vertical bracket adapted to be secured to a support, a grinding wheel mounted on the bracket, a horizontal arm extending forwardly from the bracket, an upwardly and forwardly extended arm connected with the bracket and having an opening in its free end disposed in vertical alignment with the horizontal arm, a rod connecting the upwardly extended arm and the horizontal arm, a rocker arm assembly support comprising a tubular member mounted on the rod for rotary and vertical sliding movement, upper and lower spaced parallel arms extending inwardly from the tubular member, means for removably securing a rocker arm assembly between the arms of the tubular member, whereby the rocker arms under treatment are supported in parallel relation to the side faces of the grinding wheel, and means for securing the tubular member in its positions of vertical adjustment on the rod.

2,419,180
ELECTRIC SWITCH

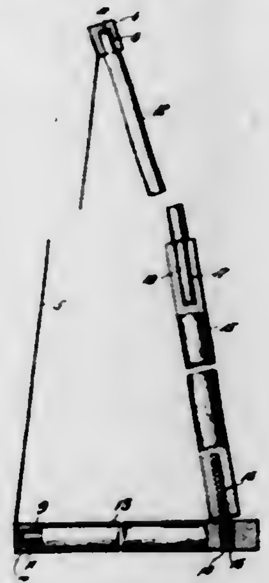
Sidney Unger, New York, N. Y., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y., a corporation of New York
Application April 10, 1946, Serial No. 660,949
6 Claims. (Cl. 200—168)



1. An electric switch comprising a frame, a cylindrical chamber carried by said frame, and having a flexible bellows extending from one end of said chamber, said chamber and said bellows being closed at their respective free ends; an actuator plate secured to and closing one end of said bellows; means on said frame for pivotally mounting said actuator arm; spring means carried by said frame for rotating said actuator plate to flex the said bellows in one direction; a contact fixed within said chamber, and a second contact fixed to the closed end of said bellows and extending into said chamber in operative relationship to said first contact.

2,419,181
EASEL FOR FLEXIBLE POSTERS

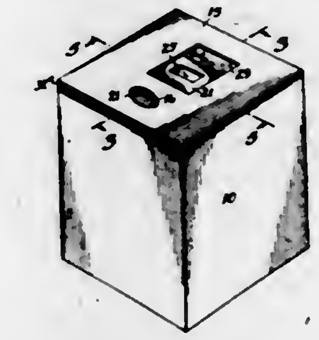
John Watson, Belleville, N. J., assignor to Sweeney Lithograph Company, Inc., Belleville, N. J., a corporation of New York
Application January 12, 1945, Serial No. 572,521
1 Claim. (Cl. 40—125)



A flexible poster having top and bottom edge strips with rearwardly faced sockets therein, a rearwardly extending rigid base rod engaged at its forward end in the socket in the bottom strip and having a substantially vertically disposed small diameter opening through the opposite rearward end portion of the same, an upright, rigid support rod having a projecting small diameter metal stud in the lower end of the same smaller in diameter and loosely and adjustably entered in said substantially vertically disposed opening and having a socket in the upper end of the same and a smaller size yielding spring rod seated at its lower end in said socket in the upper end of said support rod and bent forwardly at its upper end into engagement in the socket in the top edge strip.

2,419,182
DISPENSING CARTON

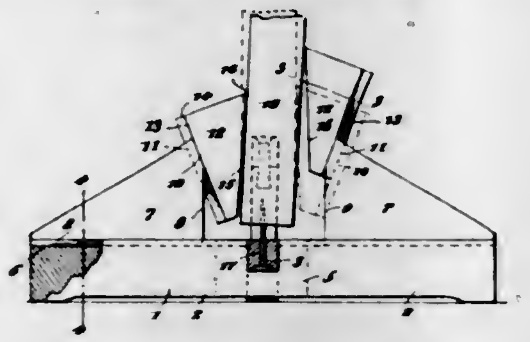
William J. Wells, Buffalo, N. Y., assignor to F. N. Burt Company, Inc., Buffalo, N. Y., a corporation of Delaware
Application July 10, 1943, Serial No. 494,131
4 Claims. (Cl. 222—561)



1. In a dispensing closure for a carton, in combination, end closure flaps respectively connected to sides of the carton and turned inwardly into overlapping relation and attached together to form an end wall structure, a unitary dispensing closure member in the form of a separate structural unit and attached as a complete unit in operative position on the outside of said overlapping end closure flaps to form a dispensing device, said separate structural unit including a sheet member having a transverse weakened fold line on which it is folded to bring opposing sections thereof into overlapping superposed relation, attaching means attaching said sections together in their overlapping relation so as to form a substantially solid reinforced laminated structure for said closure member or unit, the first of said sheet sections having a closure mounting opening therethrough, a sheet closure member mounted in said mounting opening for movement into opening and closing positions and having an operating handle, said sheet closure member lying with its plane substantially in the plane of the said first sheet section, said mounting opening being larger than the sheet closure member to provide for movements of the latter into opening and closing positions wholly within the plane of the said first sheet section, the second of said sheet sections having an operating opening positioned in aligned relation with said closure mounting opening but having at least one of its edges inset from the adjacent edge of the mounting opening whereby the adjacent sheet material overlies a margin of said movable sheet closure member to form a retainer for the latter, said operating opening being positioned to provide operating access to said operating handle both in the open and closed positions of said sheet closure member.

2,419,183
STAND OR HOLDER FOR CHRISTMAS TREES OR THE LIKE

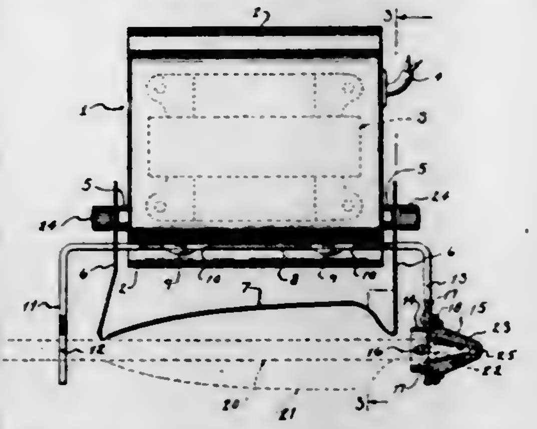
James A. Womack, Atlanta, Ga.
Application July 9, 1943, Serial No. 494,062
7 Claims. (Cl. 248—44)



1. A stand for supporting a standard such as a tree trunk, comprising a plurality of members supported in spaced relation around a center upon which the standard is to be placed, the members being spaced apart a distance to define a circular area materially greater than the diameter of the standard, each of said members being formed to have a surface inclined downwardly and inwardly toward said center, and a clamping member mounted for sliding movement upon each of said inclined surfaces for movement downwardly and inwardly along the supporting surface for locking engagement with a standard disposed upon said center.

2,419,184
FEATHER TRIMMER

Raymond C. Young, Manitowoc, Wis.
Application November 19, 1945, Serial No. 629,584
7 Claims. (Cl. 219—29)



1. A feather trimmer for missiles comprising a unitary structure, a trimming member contoured to provide the desired outline of the feathers, means for electrically heating said trimming member, means for holding the shaft of a missile in position to trim the feathers as the shaft is rotated, and holding means for detachably and adjustably holding said trimming member, whereby said trimming member may be adjusted radially towards or from the axis of the shaft of the missile.

2,419,185
POLYMERIZATION OF ROSIN

Clinton A. Braidwood, Ferndale, Mich., and Almon G. Hovey, Minneapolis, Minn., assignors to Reichhold Chemicals, Inc., Detroit, Mich.
No Drawing. Application June 20, 1945, Serial No. 600,642
13 Claims. (Cl. 260—97)

2. A process of polymerizing rosin which includes the step of adding fluosulfonic acid to the rosin to assist in the polymerization.

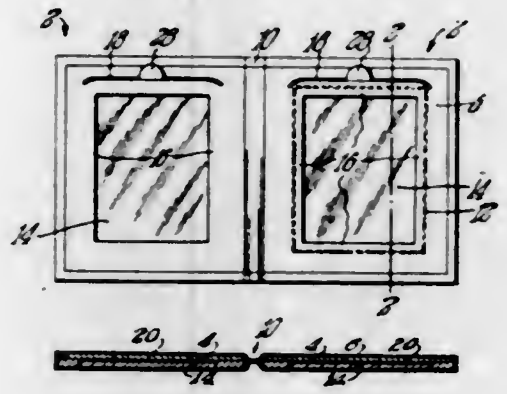
2,419,186
MANUFACTURE OF VINYL CYANIDE

Charles R. Harris, Lockport, and William C. Sharples, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 11, 1944, Serial No. 563,098
12 Claims. (Cl. 260—464)

9. The process for the production of vinyl cyanide which comprises reacting acetylene with hydrogen cyanide in the vapor phase in the presence of a catalyst comprising an alkali metal cyanide supported on an inert carrier having a surface activity of less than about 10 minutes (standard chloropicrin test).

2,419,187
PICTURE FRAME

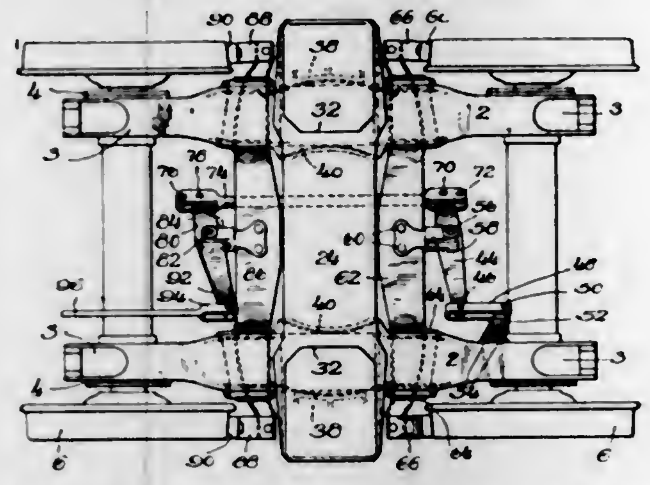
Oscar W. Jolly, West Springfield, Mass., assignor to Springfield Photo Mount Co., Holyoke, Mass., a corporation of Massachusetts
Application August 23, 1944, Serial No. 550,762
1 Claim. (Cl. 40—152)



A picture frame comprising in combination, a body provided in the forward face thereof with a sunken recess having perpendicular side walls around said recess inwardly of marginal edges of the body, a transparent pane in said recess, a covering on the forward face of said body having a central cut-out disposed over said pane and providing rim portions overlying adjacent marginal edge portions of said pane, said covering having a slot therethrough parallel to and spaced outwardly from one side wall of said recess, an insert of flexible material in said recess having a main body portion below said pane and being scored to provide one portion at right angles to the plane of the body portion and disposed between said one wall of said recess and an adjacent edge of said pane and another portion in a plane parallel to that of the body portion and disposed between the forward face of the body and adjacent rim portion of the covering and extending towards said slot and terminating in a tab extending through said slot, and said body provided with a score line the recess thereof adjacent said one wall, all adapted and arranged whereby a portion of the body in said recess adjacent said one wall may be displaced forwardly from the normal plane thereof by pressure applied to the rear face of the body so that said pane is moved forwardly to move rim portion of the covering thereover and adjacent said slot away from the forward face of the body and open said slot to permit withdrawal of said insert and said pane therethrough.

2,419,188
CAR TRUCK

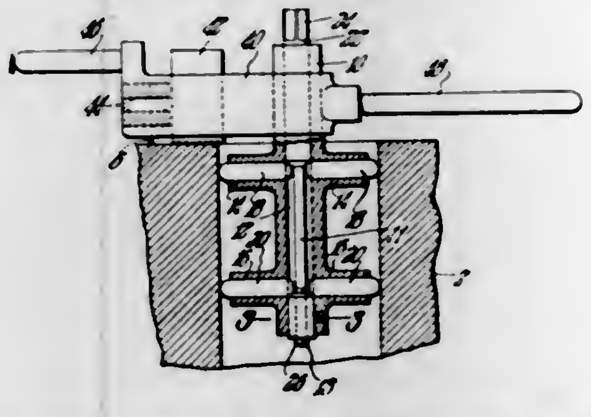
Bertram J. Milleville, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application August 16, 1943, Serial No. 498,755
27 Claims. (Cl. 105—200)



19. In a railway vehicle, spaced side frames, supporting wheel and axle assemblies, a bolster antifrictionally supported on said frames inboard said wheels, concentric inboard and outboard guides on each side frame engaging complementary guides on said bolster, spring seats at the extremities of said bolster in line with the wheels at respective sides of the truck, springs on said seats, and a car body member supported from said springs.

2,419,189
SERRATING TOOL

Raymond E. Morrissette, Indian Orchard, Mass., assignor of one-half to Everett T. Morrissette, Indian Orchard, Mass.
Application October 25, 1944, Serial No. 560,336
2 Claims. (Cl. 82—4)



1. A tool mechanism for forming serrations on the upper side of an engine block and concentrically around a cylinder bore therein comprising in combination, a support for inserting axially in a cylinder bore having a longitudinal bore and provided with upper and lower sets of hubs, the hubs of the sets extending radially from and spaced circumferentially of the support and provided with bores extending radially of the bore of said support, a plug reciprocable and non-rotatable in the lower end of the bore of the support having an internal screw-threaded bore, an actuator having an upper portion rotatable and reciprocable in the bore of the support having a lower threaded end engageable with the screw-threaded bore of the plug whereby as the actuator is rotated in opposite directions the plug and upper portion of the actuator are moved towards and away from one another, plungers slidable in the bores of the hubs having outer ends adapted to bear against the walls of a cylinder bore, means associated with inner ends of the plungers and the actuator and plug operable when the plug and actuator are moved towards one another to move the plungers outwardly in their bores for engaging the walls of a cylinder bore to hold said support axially thereof, an arm swingable on the upper end of said support for sweeping over the upper surface of an engine block around a cylinder bore therein having an opening therethrough for a tool, a tool in said opening having a work face and means to clamp said tool in said opening, and manually engageable means extending from said arm for rotating the same.

2,419,190
CONDITIONING TREATMENT OF MAGNESIUM FOR ELECTROPLATING

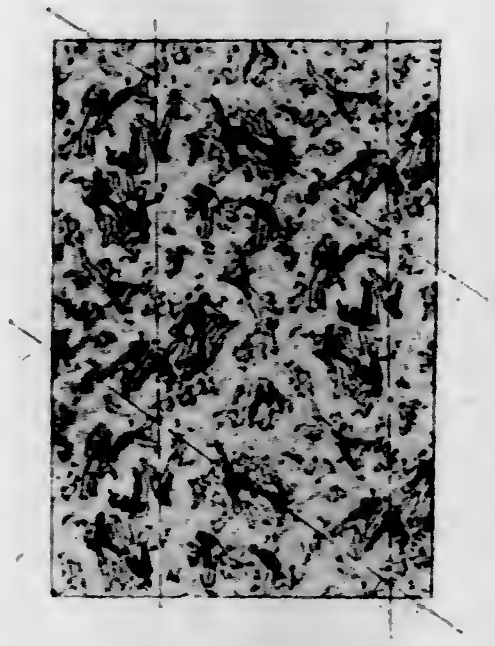
Harvey Eugene Wagoner, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 9, 1942, Serial No. 438,305
7 Claims. (Cl. 204—29)

1. The process for electroplating a metal selected from the group consisting of magnesium and alloys of magnesium which comprises contacting said metal with a bath comprising essentially a compound selected from the group consisting of monobasic unsaturated acids containing at least one double bond, aliphatic esters of said acids, and heavy metal salts of said acids at temperatures above about 100° C. but not higher than about 300° C., for a period of about 5 to 30 minutes said compound being in the liquid state at the operating temperature, wiping said metal and thereafter electroplating said metal with a heavy metal selected from the group consisting of copper, zinc, cadmium, tin, silver, and gold, from an alkaline plating bath.

DESIGNS

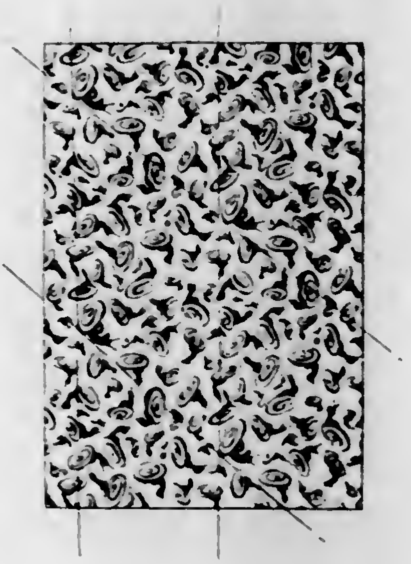
APRIL 15, 1947

146,590
DESIGN FOR A TEXTILE FABRIC
Julien Binford, Fine Creek Mills, Va.
Application January 22, 1947, Serial No. 136,294
Term of patent 3½ years
(Cl. D92—1)



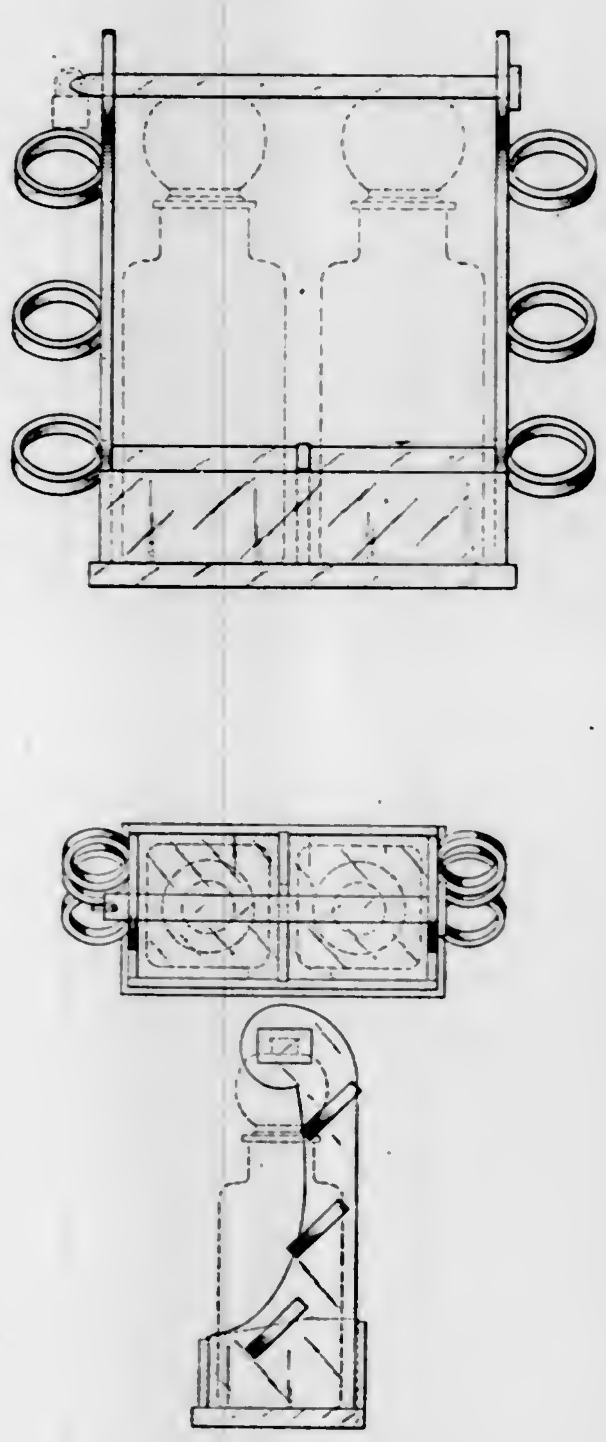
The ornamental design for a textile fabric, substantially as shown and described.

146,591
DESIGN FOR A TEXTILE FABRIC
Julien Binford, Fine Creek Mills, Va.
Application January 23, 1947, Serial No. 136,329
Term of patent 3½ years
(Cl. D92—1)



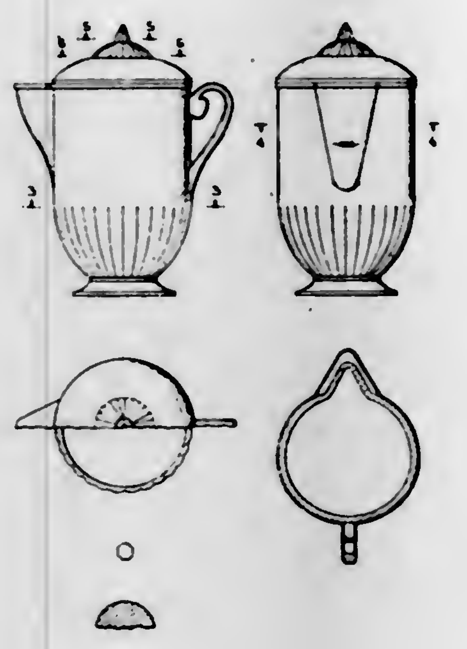
The ornamental design for a textile fabric, substantially as shown and described.

146,592
DESIGN FOR A COMBINED HOLDER FOR DECANTER AND GLASSES
Pauline Blume, New York, N. Y.
Application February 9, 1946, Serial No. 126,406
Term of patent 3½ years
(Cl. D44—7)



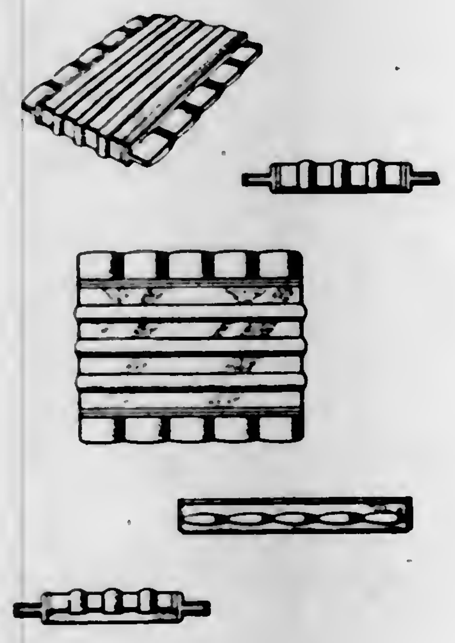
The ornamental design for a combined holder for decanter and glasses, as shown and described.

146,593
DESIGN FOR A TEAPOT OR SIMILAR ARTICLE
Joseph Brunetti, Carlstadt, N. J., assignor to Plastic Art Toy Corporation of America, Rutherford, N. J., a corporation of New Jersey
Application February 16, 1946, Serial No. 126,630
Term of patent 7 years
(Cl. D44—26)



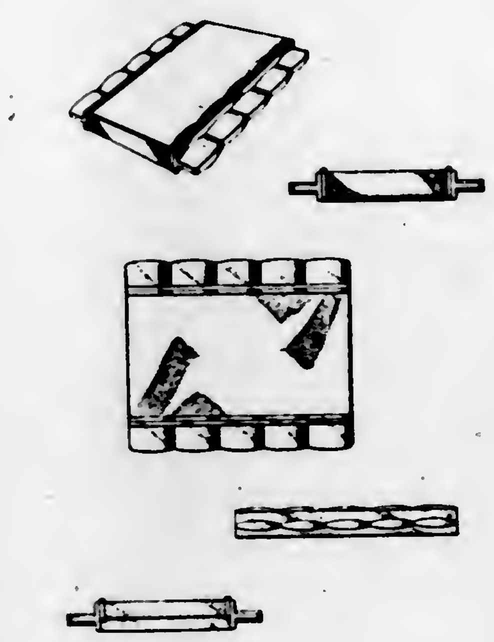
The ornamental design for a teapot or similar article, substantially as shown.

146,594
DESIGN FOR A COMPACT
Walton B. Crane, Beverly Hills, Calif., assignor to Allied Plastics Company, Los Angeles, Calif., a corporation
Application May 20, 1946, Serial No. 129,866
Term of patent 3½ years
(Cl. D86—10)



The ornamental design for a compact, substantially as shown.

146,595
DESIGN FOR A COMPACT
Walton B. Crane, Beverly Hills, Calif., assignor to Allied Plastics Company, Los Angeles, Calif., a corporation
Application May 20, 1946, Serial No. 129,867
Term of patent 3½ years
(Cl. D86—10)



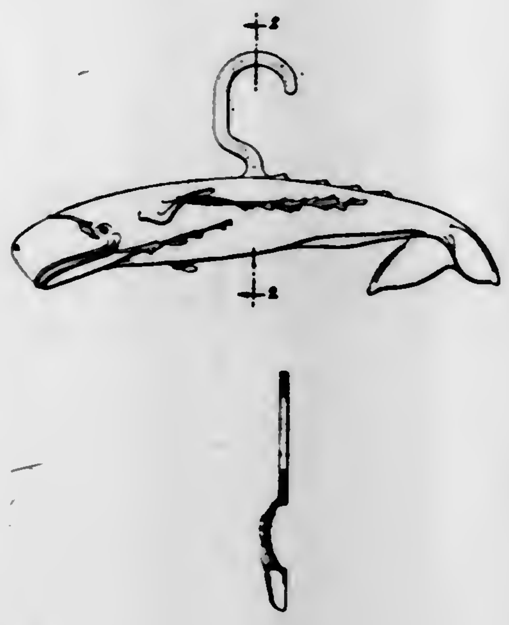
The ornamental design for a compact, substantially as shown.

146,596
DESIGN FOR A TEXTILE FABRIC
Gladys Rockmore Davis, New York, N. Y.
Application January 25, 1947, Serial No. 136,427
Term of patent 3½ years
(Cl. D92—1)

The ornamental design for a textile fabric, substantially as shown and described.

146,597
DESIGN FOR A CLOTHES HANGER

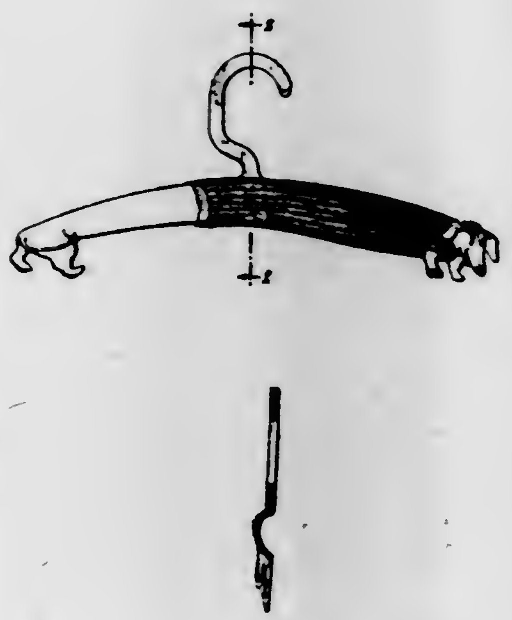
George F. Dixon, West Point, N. Y.
Application June 7, 1946, Serial No. 130,500
Term of patent 3½ years
(Cl. D80—8)



The ornamental design for a clothes hanger, substantially as shown and described.

146,598
DESIGN FOR A CLOTHES HANGER

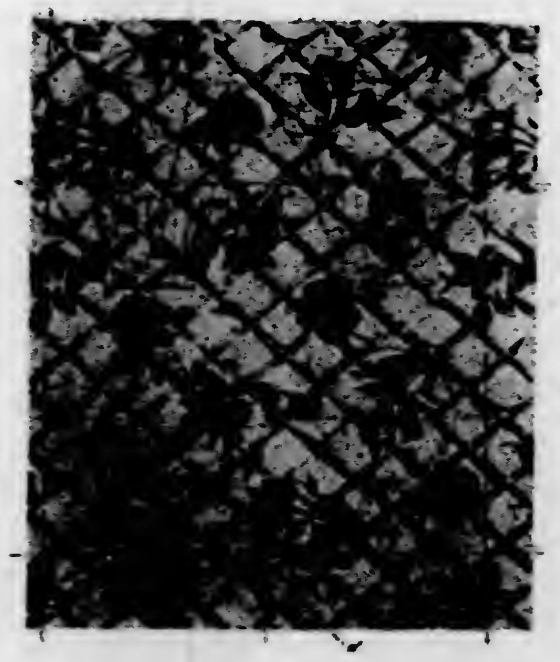
George F. Dixon, West Point, N. Y.
Application June 7, 1946, Serial No. 130,501
Term of patent 3½ years
(Cl. D80—8)



The ornamental design for a clothes hanger, substantially as shown and described.

146,599
DESIGN FOR A TEXTILE FABRIC

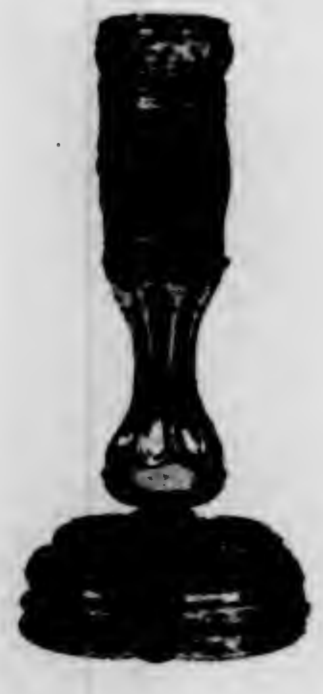
Joseph Gluck, New York, N. Y.
Application October 5, 1946, Serial No. 133,791
Term of patent 3½ years
(Cl. D92—1)



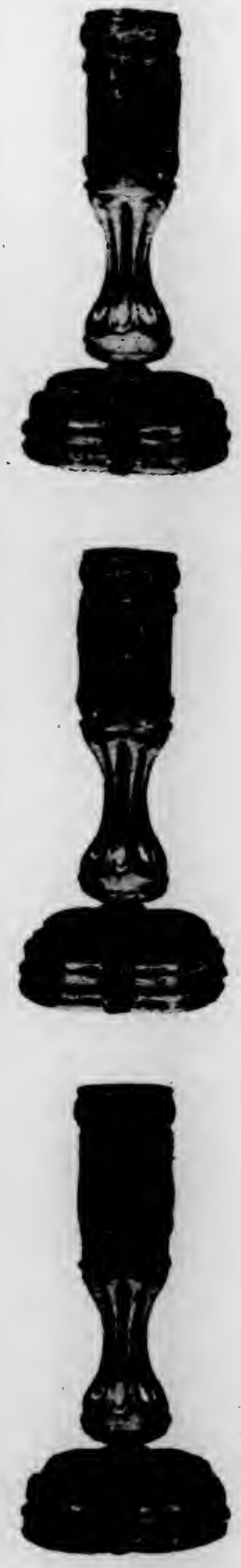
The ornamental design for a textile fabric, substantially as shown and described.

146,600
DESIGN FOR A VASE

Joseph Gmeindl, Milwaukee, Wis.
Application January 16, 1946, Serial No. 125,590
Term of patent 14 years
(Cl. D29—28)



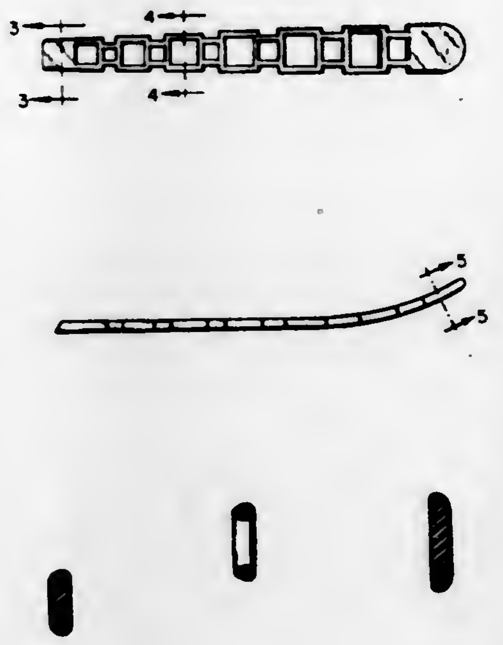
146,600—Continued



The ornamental design for a vase, substantially as shown.

146,601
DESIGN FOR A TEMPLE FOR SPECTACLES

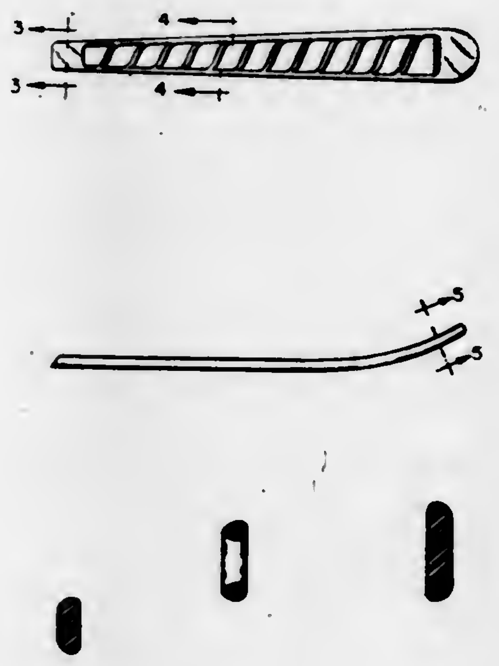
Bernice Jaffe, Chicago, Ill.
Application February 12, 1947, Serial No. 136,855
Term of patent 14 years
(Cl. D57—1)



The ornamental design for a temple for spectacles, as shown.

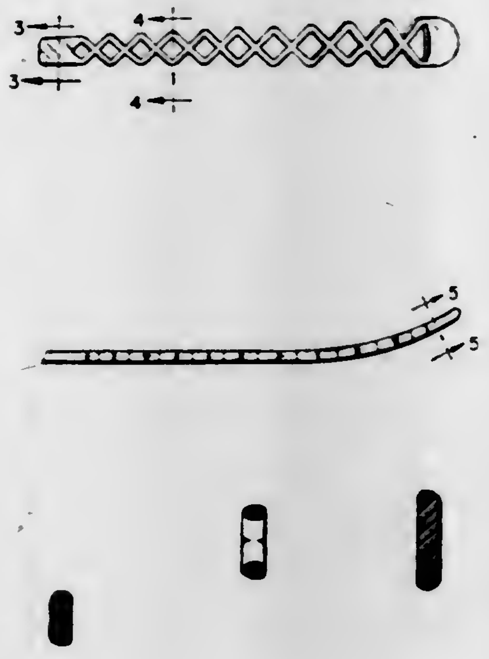
146,602
DESIGN FOR A TEMPLE FOR SPECTACLES

Bernice Jaffe, Chicago, Ill.
Application February 12, 1947, Serial No. 136,856
Term of patent 14 years
(Cl. D57—1)



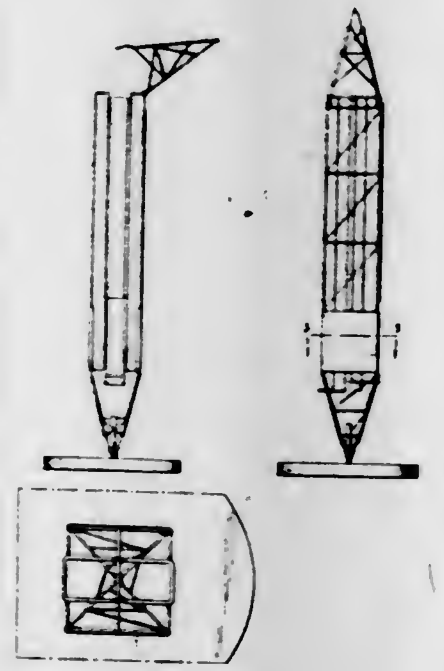
The ornamental design for a temple for spectacles, as shown.

146,603
DESIGN FOR A TEMPLE FOR SPECTACLES
Bernice Jaffe, Chicago, Ill.
Application February 12, 1947, Serial No. 136,857
Term of patent 14 years
(Cl. D57—1)



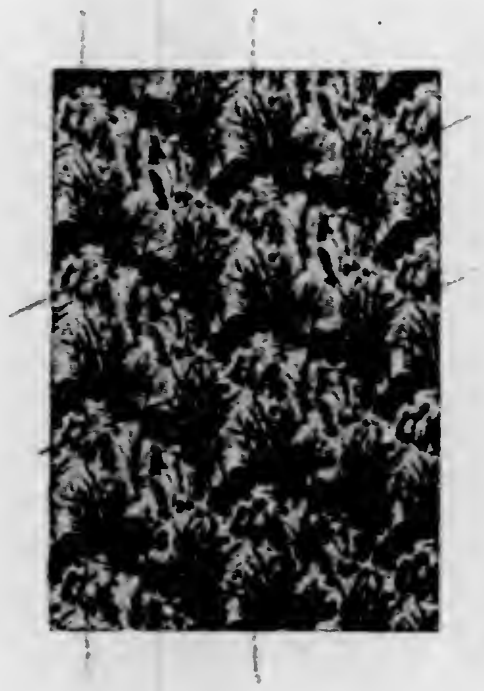
The ornamental design for a temple for spectacles, as shown.

146,604
DESIGN FOR A RAZOR BLADE DISPENSER
Herman W. Karstens, Westwood, N. J., assignor to Federal Razor Blade Co. Inc., Newark, N. J., a corporation of New Jersey
Application January 17, 1946, Serial No. 125,667
Term of patent 14 years
(Cl. D80—9)



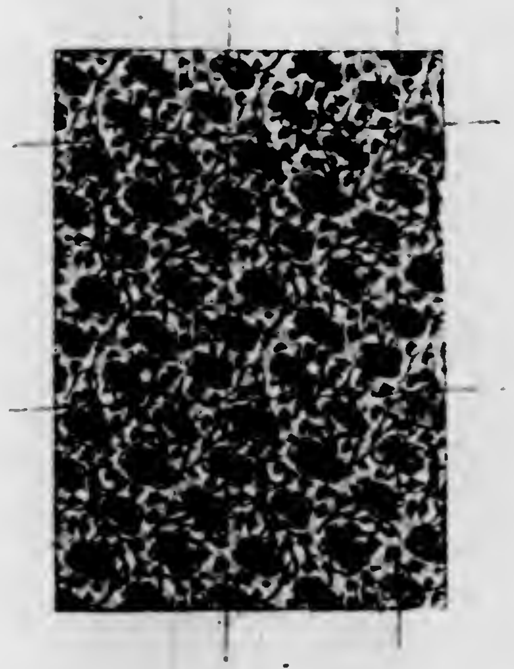
The ornamental design for a razor blade dispenser, substantially as shown and described.

146,605
DESIGN FOR A TEXTILE FABRIC
Dong Kingman, New York, N. Y.
Application January 16, 1947, Serial No. 136,172
Term of patent 3½ years
(Cl. D92—1)



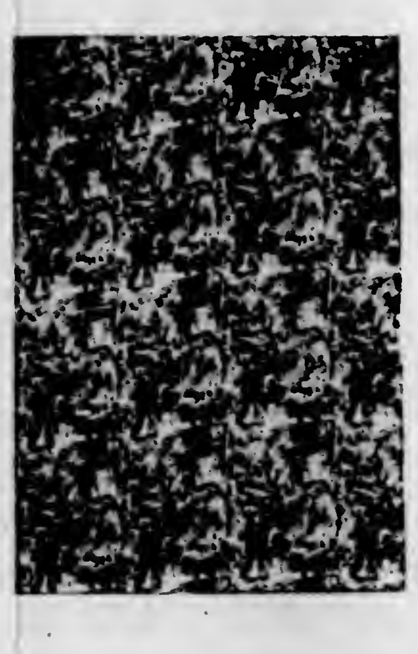
The ornamental design for a textile fabric, substantially as shown and described.

146,606
DESIGN FOR A TEXTILE FABRIC
Dong Kingman, New York, N. Y.
Application January 18, 1947, Serial No. 136,237
Term of patent 3½ years
(Cl. D92—1)



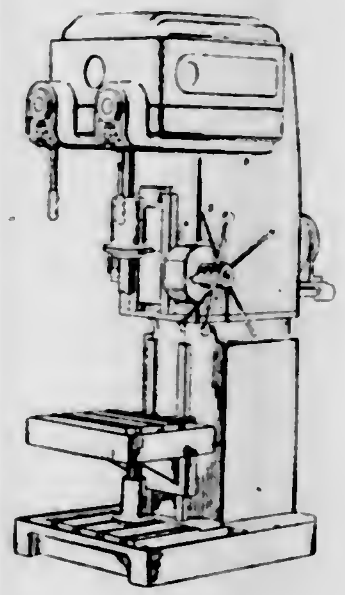
The ornamental design for a textile fabric, substantially as shown and described.

146,607
DESIGN FOR A TEXTILE FABRIC
Dong Kingman, New York, N. Y.
Application January 22, 1947, Serial No. 136,293
Term of patent 3½ years
(Cl. D92—1)

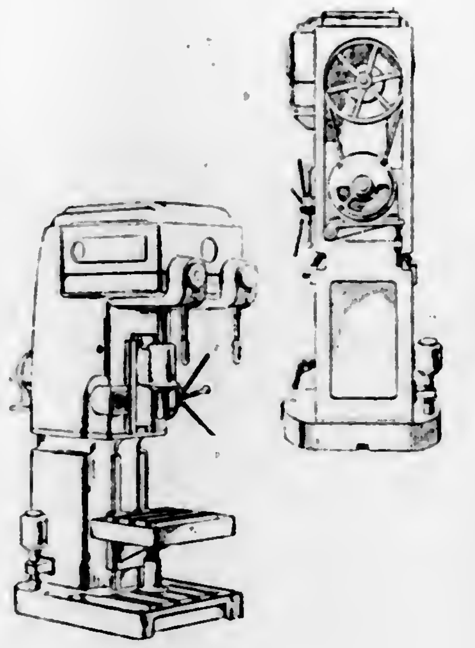


The ornamental design for a textile fabric, substantially as shown.

146,608
DESIGN FOR A DRILL PRESS
John McLeod Little, Toledo, Ohio, assignor to Defiance Machine Works, Inc., Defiance, Ohio, a corporation of Ohio
Application October 31, 1945, Serial No. 123,375
Term of patent 14 years
(Cl. D63—1)

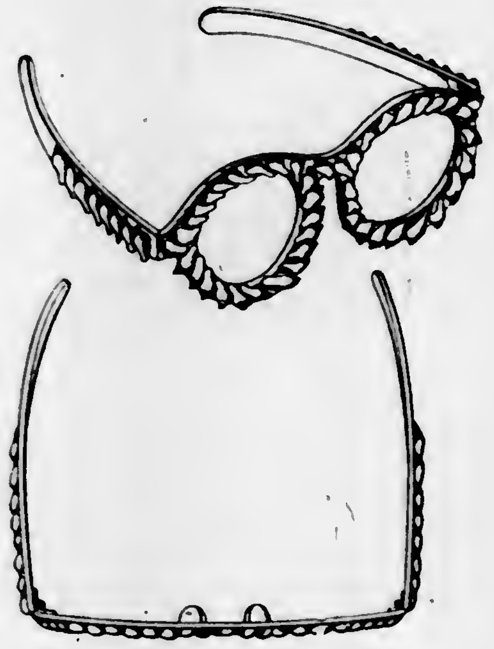


146,608—Continued



The ornamental design for a drill press, as shown.

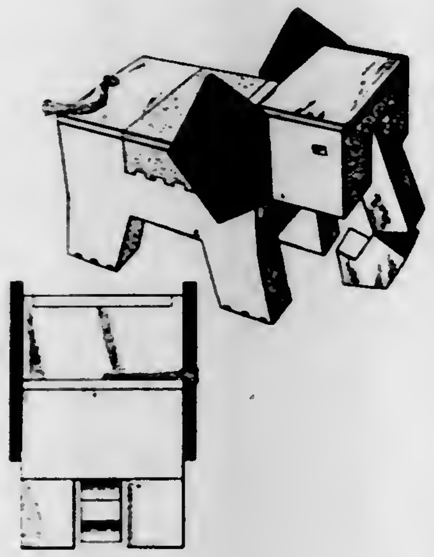
146,609
DESIGN FOR A SPECTACLE FRAME
Aurel E. Mangold, New York, N. Y.
Application April 5, 1946, Serial No. 128,302
Term of patent 7 years
(Cl. D57—1)



The ornamental design for a spectacle frame, as shown and described.

146,610
DESIGN FOR A CHILD'S TOY CHEST

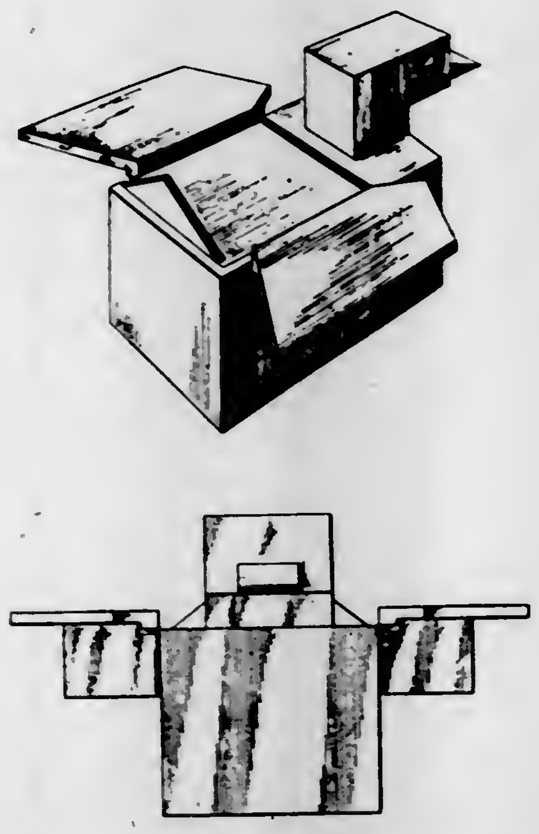
Dorothy Mellick, North Plainfield, N. J.
Application March 12, 1946, Serial No. 127,387
Term of patent 14 years
(Cl. D34—15)



The ornamental design for a child's toy chest, as shown and described.

146,611
DESIGN FOR A CHILD'S COMBINED TOY CHEST AND TABLE

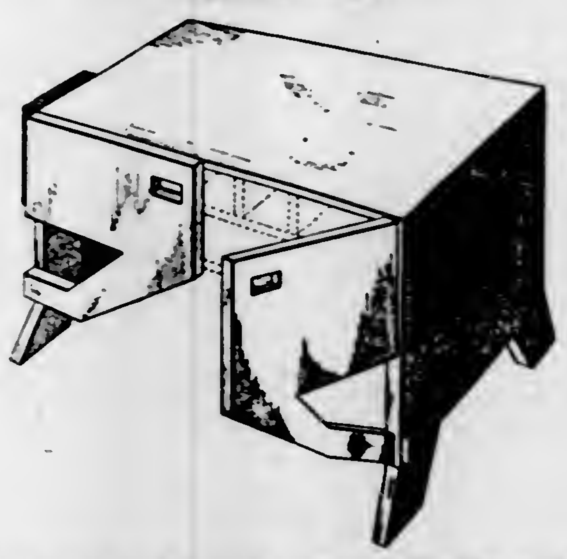
Dorothy Mellick, North Plainfield, N. J.
Application March 12, 1946, Serial No. 127,386
Term of patent 14 years
(Cl. D34—15)



The ornamental design for a child's combined toy chest and table, substantially as shown.

146,612
DESIGN FOR A CHILD'S DESK

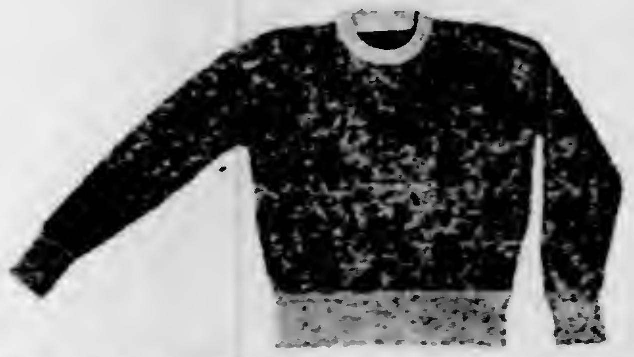
Dorothy Mellick, North Plainfield, N. J.
Application March 12, 1946, Serial No. 127,388
Term of patent 14 years
(Cl. D34—15)



The ornamental design for a child's desk, substantially as shown and described.

146,613
DESIGN FOR A SWEATER OR SIMILAR ARTICLE

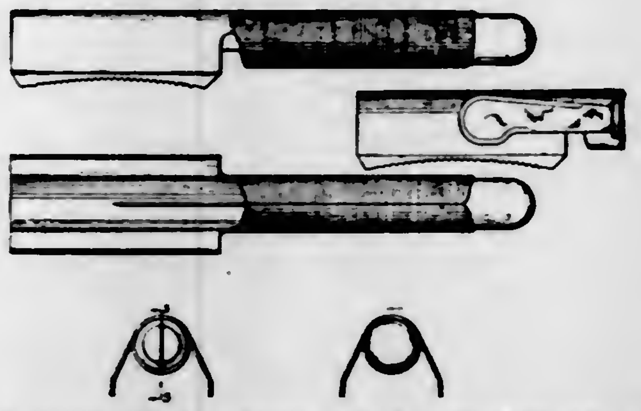
Abraham Naidish, North Bergen, N. J.
Application May 28, 1946, Serial No. 130,148
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a sweater or similar article, substantially as shown and described.

146,614
DESIGN FOR A COMBINATION FISH SCALING AND CUTTING TOOL

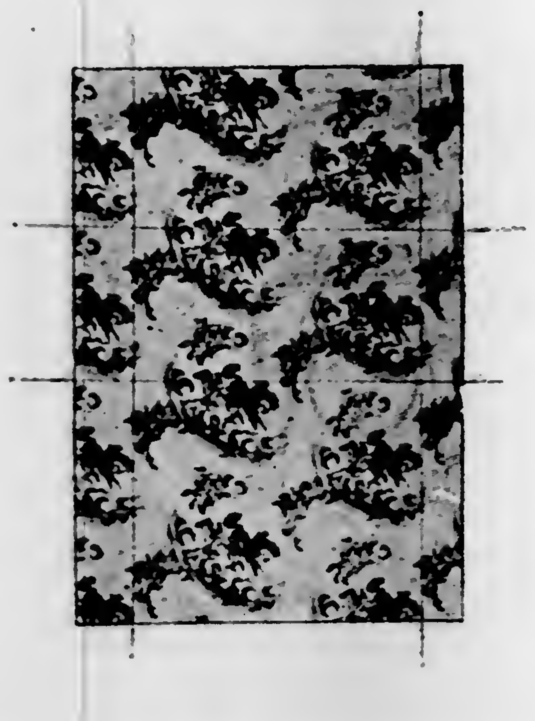
Adolph Pelka, Los Angeles, and Otto A. Nylund, Tujunga, Calif.
Application November 13, 1945, Serial No. 123,703
Term of patent 3½ years
(Cl. D22—3)



The ornamental design for a combination fish scaling and cutting tool, substantially as shown and described.

146,615
DESIGN FOR A TEXTILE FABRIC

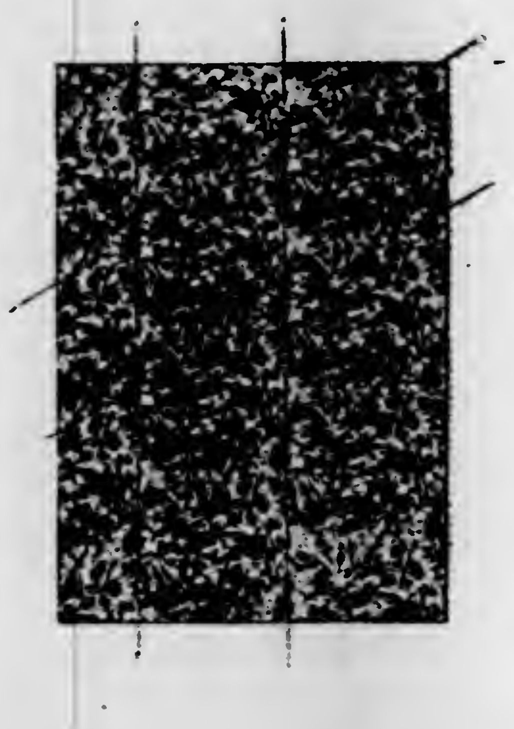
William C. Palmer, Clinton, N. Y.
Application January 16, 1947, Serial No. 136,170
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for a textile fabric, substantially as shown and described.

146,616
DESIGN FOR A TEXTILE FABRIC

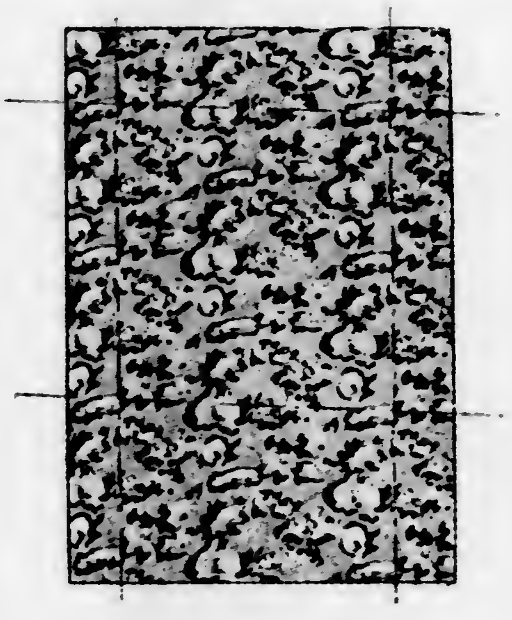
Waldo Peirce, Pomona, N. Y.
Application January 18, 1947, Serial No. 136,244
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for a textile fabric, substantially as shown and described.

146,617
DESIGN FOR A TEXTILE FABRIC

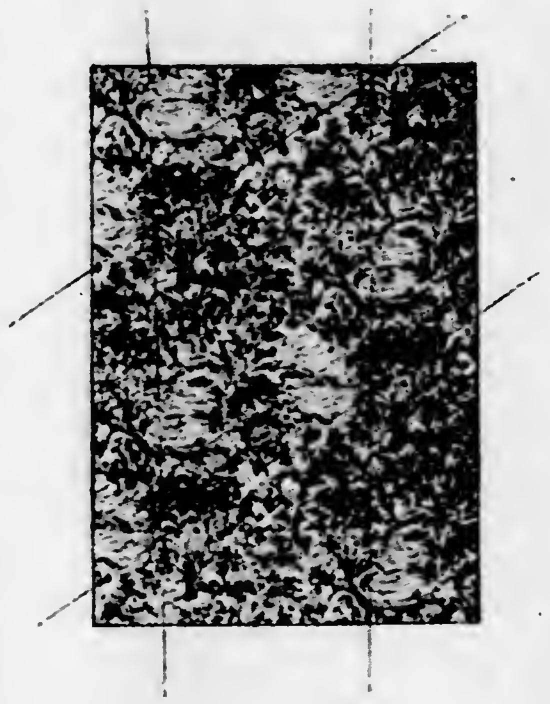
Waldo Peirce, Pomona, N. Y.
Application January 22, 1947, Serial No. 136,290
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for a textile fabric, substantially as shown and described.

146,618
DESIGN FOR A TEXTILE FABRIC

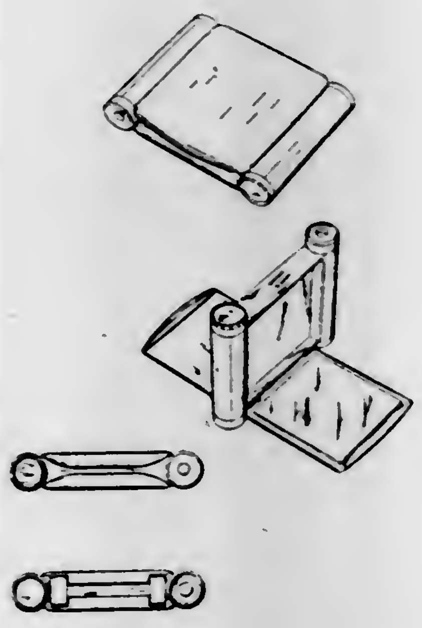
Waldo Peirce, Pomona, N. Y.
Application January 25, 1947, Serial No. 136,428
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for a textile fabric, substantially as shown and described.

146,619
DESIGN FOR A COMBINATION FLASHLIGHT, COSMETIC CASE, AND CIGARETTE CASE

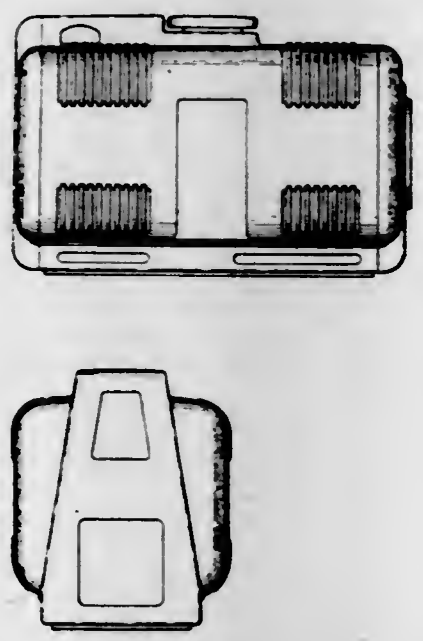
Joseph Rabinowitch, Los Angeles, Calif., assignor, by mesne assignments, to Precision Specialties, Inc., Los Angeles, Calif., a corporation of California
Application November 26, 1945, Serial No. 124,087
Term of patent 7 years
(Cl. D86—10)



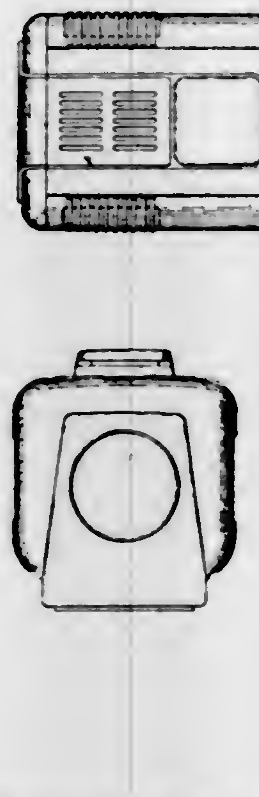
The ornamental design for a combination flashlight, cosmetic case, and cigarette case, as shown.

146,620
DESIGN FOR A PROJECTION LAMP HOUSING

Jean O. Reinecke, Oak Park, Ill., assignor to Bell & Howell Company, Chicago, Ill., a corporation of Illinois
Application July 13, 1946, Serial No. 131,564
Term of patent 14 years
(Cl. D61—1)



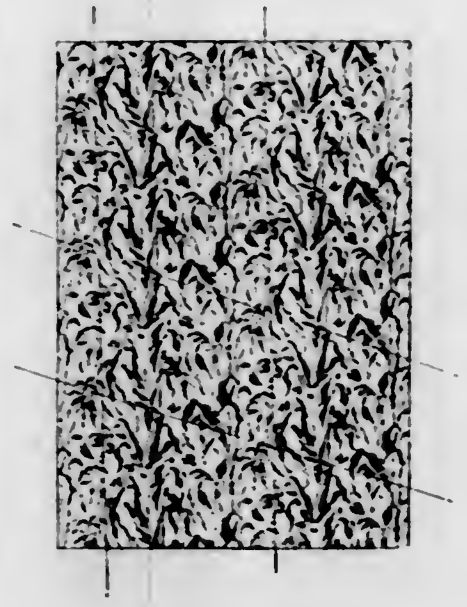
146,620—Continued



The ornamental design for a projection lamp housing, as shown.

146,621
DESIGN FOR A TEXTILE FABRIC

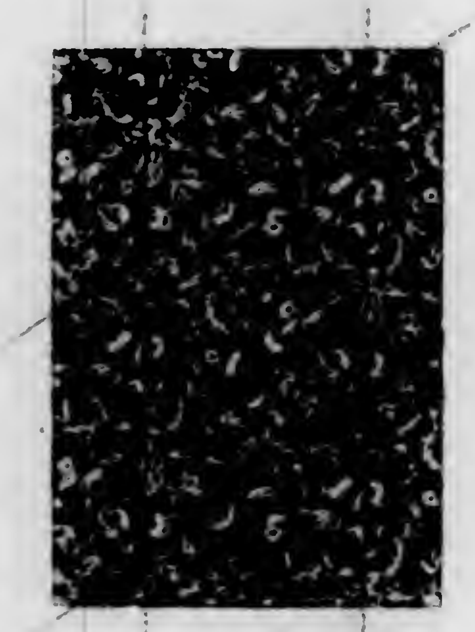
Doris Rosenthal, Norwalk, Conn.
Application January 18, 1947, Serial No. 136,240
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for a textile fabric, substantially as shown and described.

146,622
DESIGN FOR A TEXTILE FABRIC

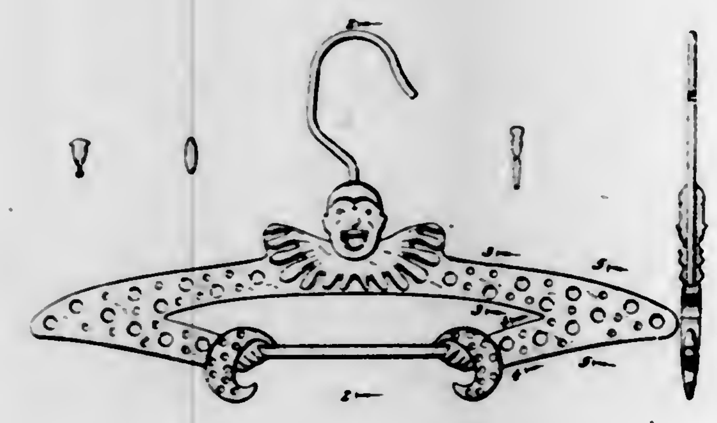
Doris Rosenthal, Norwalk, Conn.
Application January 18, 1947, Serial No. 136,241
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for a textile fabric, substantially as shown and described.

146,623
DESIGN FOR A CLOTHES HANGER

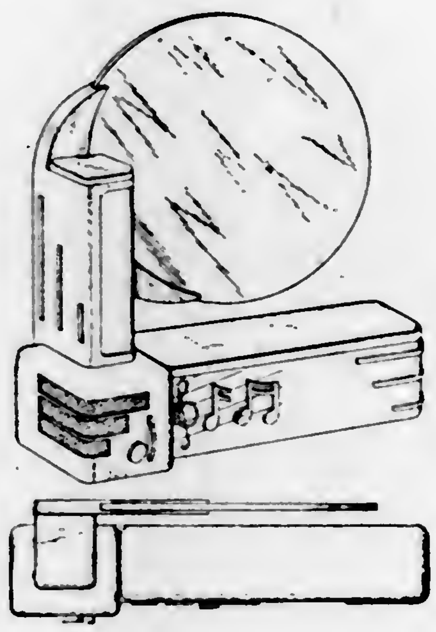
Louise Sanders, Hoboken, N. J., assignor to Consolidated Molded Products Corporation, Scranton, Pa., a corporation of Delaware
Application February 7, 1946, Serial No. 126,334
Term of patent 14 years
(Cl. D80—8)



The ornamental design for a clothes hanger, as shown.

146,624
DESIGN FOR A COMBINATION VANITY AND RADIO OR SIMILAR ARTICLE

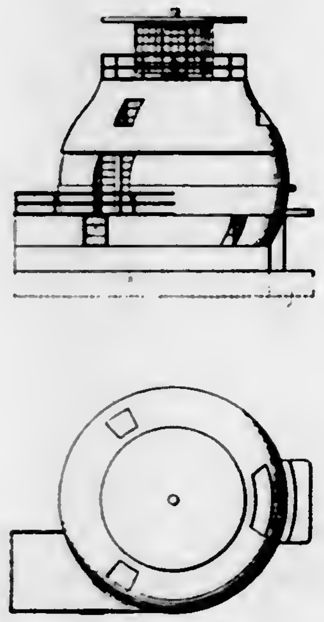
Joseph J. Swartzmiller, Carnegie, Pa.
Application February 21, 1946, Serial No. 126,819
Term of patent 3½ years
(Cl. D33—6)



The ornamental design for a combination vanity and radio or similar article, as shown.

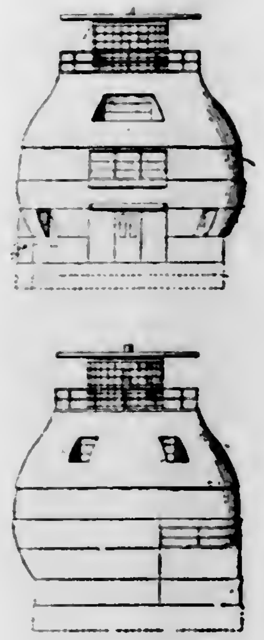
146,625
DESIGN FOR A HOUSE

Robert L. Townsend, Upper Darby, Pa.
Application December 14, 1945, Serial No. 124,754
Term of patent 14 years
(Cl. D13—1)



The ornamental design for a house, as shown.

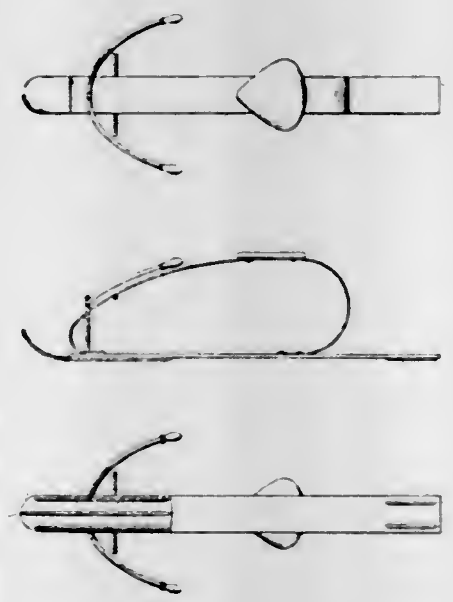
146,625—Continued



The ornamental design for a house, as shown.

146,626
DESIGN FOR A SNOW SLED OR THE LIKE

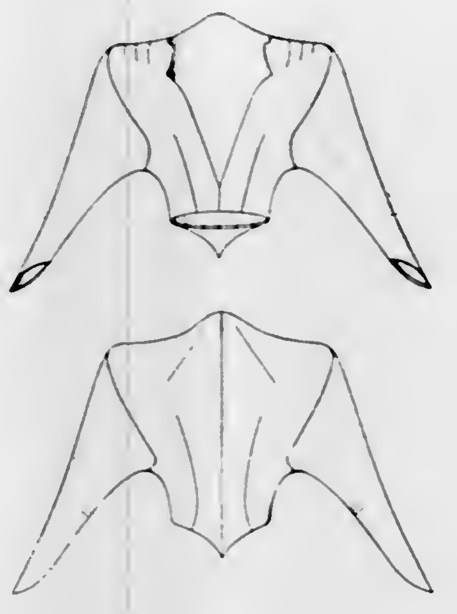
John L. Turner, Old Saybrook, Conn.
Application December 6, 1945, Serial No. 124,425
Term of patent 3½ years
(Cl. D34—15)



The ornamental design for a snow sled or the like, as shown.

146,627
DESIGN FOR A LADY'S COAT

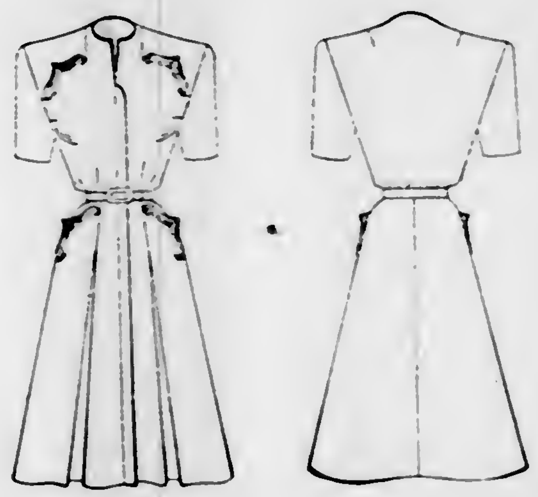
Carol J. Tyler, Hollywood, Calif.
Application June 24, 1946, Serial No. 130,952
Term of patent 7 years
(Cl. D3—4)



The ornamental design for a lady's coat, substantially as shown.

146,628
DESIGN FOR A DRESS

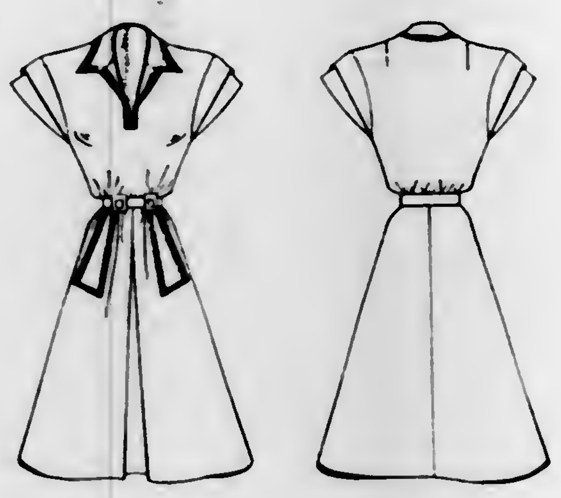
Jane Walker, New York, N. Y.
Application November 20, 1946, Serial No. 134,917
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

146,629
DESIGN FOR A DRESS

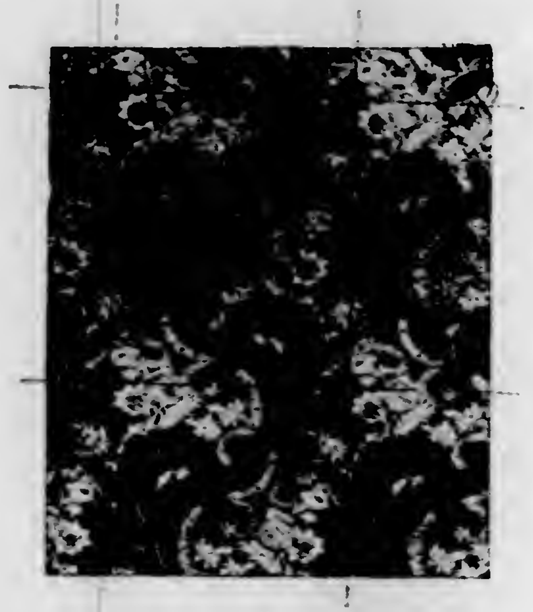
Jane Walker, New York, N. Y.
Application November 20, 1946, Serial No. 134,920
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

146,630
DESIGN FOR A TEXTILE FABRIC

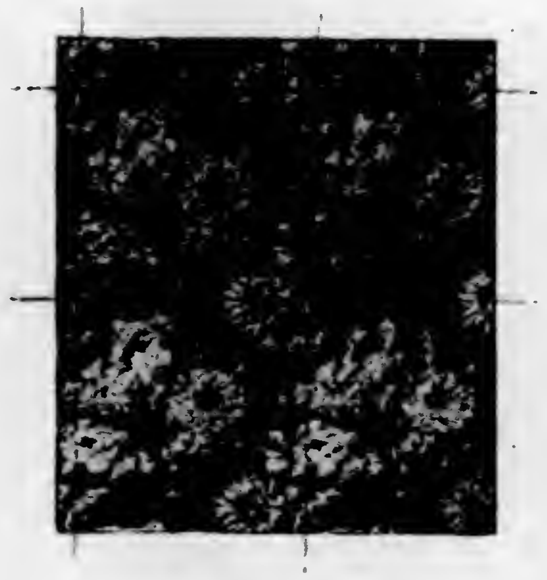
Hans W. Wilde, North Bergen, N. J.
Application December 23, 1946, Serial No. 135,694
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for a textile fabric, substantially as shown and described.

146,631
DESIGN FOR A TEXTILE FABRIC

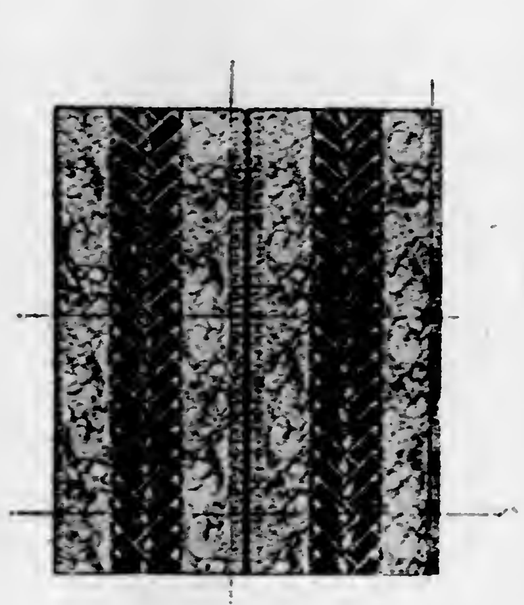
Hans W. Wilde, North Bergen, N. J.
Application December 23, 1946, Serial No. 135,695
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for a textile fabric, substantially as shown and described.

146,632
DESIGN FOR A TEXTILE FABRIC

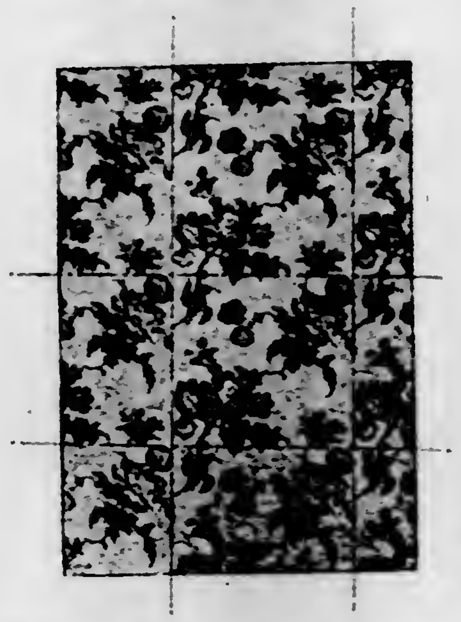
Hans W. Wilde, North Bergen, N. J.
Application December 23, 1946, Serial No. 135,696
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for a textile fabric, substantially as shown and described.

146,633
DESIGN FOR A TEXTILE FABRIC

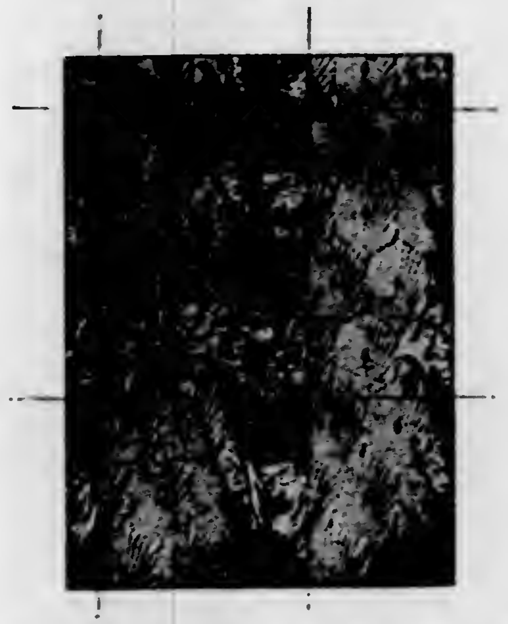
Hans W. Wilde, North Bergen, N. J.
Application December 23, 1946, Serial No. 135,697
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for a textile fabric, substantially as shown and described.

146,634
DESIGN FOR A TEXTILE FABRIC

Hans W. Wilde, North Bergen, N. J.
Application December 23, 1946, Serial No. 135,698
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for a textile fabric, substantially as shown and described.

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

W. AVERELL HARRIMAN, *Secretary*

U. S. Patent Office

CASPER W. OOMS, *Commissioner*

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Contents

Page
Issue of April 22, 1947 453
Patents Expiring 453
Applications Under Examination 454
Decisions of the U. S. Courts
  Simpson et al. v. Voorhees 455
  In re Loiseleur 457
Notices
  Public Law 690 458
  Foreign Patents Received in the Scientific Library as of March 31, 1947 459
  Adverse Decisions in Interference 459
  Disclaimer 459
  Examination 459
  Interference Notice 460
Register of Patents Available for Licensing or Sale 460
Trade-Marks Published (178 Applications) 463
Trade-Mark Registrations Granted 487
Trade-Mark Registrations Renewed 495
Patents Granted 499
Designs 581

April 22, 1947

Trade-Marks	119	—No. 429,120 to No. 429,238, inclusive
T. M. Renewals. . . .	61	
Patents	331	—No. 2,419,191 to No. 2,419,521, inclusive
Designs	62	—No. 146,635 to No. 146,696, inclusive
Total	573	

Patents expiring: Patent Numbers 1,755,164 to 1,756,012, inclusive, issued April 22, 1930, expire April 22, 1947

Condition of Applications Under Examination at Close of Business April 4, 1947

(Total number of applications awaiting action, excluding Trade-Mark Division, 144,066; Trade-Mark Division, 12,749. Oldest new case, July 9, 1945; oldest amended, July 14, 1945.)
(The dates given are 1945 except where * indicates 1946.)

Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action		No. of applications awaiting action
	New	Amended	
1. GOLDBERG, A. J., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	Sept. 5	Nov. 13	2851
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	Oct. 15	Oct. 4	3496
3. SCHIMMEL, J., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	Oct. 10	Oct. 6	2022
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Package and Article Carriers; Pneumatic Dispatch, Store Service; Mining, Quarrying, and Ice Harvesting.	Nov. 13	Nov. 27	2819
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	July 9	July 14	4318
6. GENIESSE, E. W., Carbon Chemistry (part)	*Feb. 2	*Feb. 25	1957
7. HANLIN, GEORGE, Optics, Photography	*Apr. 4	*Apr. 4	1973
8. IMUS, A. E., Furniture; Kitchen and Table Articles; Racks and Cabinets	Oct. 22	Oct. 19	3862
9. BENSON, R. B., Pumps and Fans: Fluid and Fluid-Current Motors	Oct. 3	Sept. 7	2212
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners): Modulators	Dec. 14	Dec. 13	1460
11. BENHAM, E. V., Boots, Shoes, and Leggings: Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	*July 12	*July 9	816
12. SPINTMAN, S., Machine Elements (part): Engine Starters; Clutches and Power Stop Control	Dec. 3	Nov. 30	2679
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	Aug. 2	Sept. 5	2258
14. FREEHOF, H. B., Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	*Jan. 8	Nov. 15	1463
15. HENKIN, B., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Heterocyclic Compounds (part); Plastics.	*Mar. 22	*Mar. 8	1270
16. LOVEWELL, N. N., Telegraphy; Telephony	*Feb. 23	*Feb. 18	1267
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	*Jan. 3	Nov. 10	1290
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	Aug. 2	Aug. 30	1868
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	*Jan. 31	*Jan. 19	1798
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	Oct. 3	Oct. 12	2165
21. THOMPSON, T. J., Textiles	*June 17	*June 10	895
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Nov. 30	Nov. 30	1924
23. LEWIS, J. B., Cash Registers: Calculators (part)	Dec. 21	*Feb. 15	248
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	*Aug. 2	*Aug. 2	1583
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Oct. 5	Nov. 26	1714
26. YOUNG, R. R., Electricity—Generation and Motive Power	Nov. 10	Nov. 17	2166
27. JAMES, S., Brush, Broom, and Mop Making; Brushing, Scrubbing, Cleaning; Liquid Contact with Solids.	Oct. 29	Dec. 10	2378
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons.	Oct. 22	Aug. 24	1597
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	Sept. 28	Dec. 21	2561
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	*Jan. 4	*Jan. 3	2450
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	*Oct. 10	*Sept. 30	715
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Dec. 8	Dec. 10	2406
33. KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	Oct. 18	Oct. 11	3596
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators	Dec. 12	Dec. 28	1358
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Dec. 4	*Jan. 22	2272
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	Sept. 17	Sept. 28	1880
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	*Jan. 14	*Jan. 10	1583
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part); Rubber (part); Ornamentation	*Feb. 16	*Jan. 2	1398
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	Aug. 24	Aug. 21	2599
40. DRUMMOND, E. J., Receptacles (part); Packages	Dec. 6	*Jan. 4	2772
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Oct. 24	Nov. 2	914
42. MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters	*May 1	*May 18	1031
43. STONE, I. G., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	*Apr. 5	*Jan. 26	1101
44. HARVEY, L. P., Refrigeration; Preserving	Aug. 23	Aug. 27	1374
45. LISANN, I., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Spring, Weight and Horsepower Motors.	Oct. 4	Sept. 20	2421
46. MUSHAKE, W. I., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	*Jan. 24	*Feb. 7	1698
47. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	*Jan. 30	*Jan. 12	2822
48. BERNSTEIN, S., Electricity, General Applications; Electric Igniters	Oct. 4	Sept. 26	1968
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	*Jan. 26	Dec. 8	1562
50. LEVIN, SAMUEL, Synthetic Resins	*Feb. 7	*Feb. 12	2552
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae).	Nov. 13	Nov. 13	2122
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	*Feb. 1	Nov. 28	3282
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter: Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	Aug. 1	July 19	4251
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	Dec. 7	Nov. 30	2152
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	Oct. 4	Oct. 30	1874
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	*Jan. 18	*Jan. 12	1471
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Sept. 19	Dec. 7	3057
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	*Feb. 19	*Feb. 19	1385
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part)	Sept. 17	Sept. 26	2108
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	Oct. 10	*Jan. 21	1987
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys and Ships.	Nov. 15	Nov. 10	2690
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	Aug. 17	Aug. 17	4049
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	Nov. 20	Oct. 8	2051
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	*Oct. 8	*Oct. 1	1157
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	Sept. 18	Sept. 20	2290
TRADE-MARKS: MERCHANT, J. H.	*Apr. 25	*Oct. 21	12749
DESIGNS: BREHM, G. L., Acting	*Jan. 18	*Oct. 23	8738

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Academy Award Products, Inc., New York, N. Y. Smoking tobacco, cigars, and cigarettes. Serial No. 500,347; Apr. 22. Class 17.

Advance Solvents & Chemical Corporation, New York, N. Y. Metallic soaps of fatty acids. Serial No. 495,206; Apr. 22. Class 16.

Allied Display Materials, Inc., New York, N. Y. Manikins, figures portraying human beings, birds, etc. Serial No. 499,935; Apr. 22. Class 50.

Alvos, Dell, doing business as Sultech Company, Guadalupe, Calif. Sulphur dioxide. Serial No. 502,176; Apr. 22. Class 6.

American Business Systems, Philadelphia, Pa. Business forms. Serial No. 506,283; Apr. 22. Class 37.

American Cyanamid Company, assignee: *See—*
Lederle Laboratories, Inc.

American Fluresit Company, The, Cincinnati, Ohio. Materials for rendering mortar and hydraulic cement materials waterproof, etc. Serial No. 508,956; Apr. 22. Class 12.

American Mohawk Company, New York, N. Y. Oil burners. Serial No. 498,973; Apr. 22. Class 34.

American Needlecrafts, Inc., New York, N. Y. Crib covers, quilts, carriage sets, etc. Serial No. 494,421; Apr. 22. Class 42.

Andreas, Henry J., Sanger, Calif. Fresh grapes. Serial No. 508,775; Apr. 22. Class 46.

Arden Farms Co., Los Angeles, Calif. Dairy products. Serial No. 481,515; Apr. 22. Class 46.

Armstrong Cork Company, Manheim Township, Lancaster County, Pa. Acoustical insulation. Serial No. 502,180; Apr. 22. Class 12.

Ashland Rubber Works: *See—*
Faultless Rubber Company, The.

Associated Merchandising Corporation, New York, N. Y. Brushless shaving cream. Serial No. 503,625; Apr. 22. Class 4.

Associated Products, Inc., Chicago, Ill. Combination unit of lipstick and brush applicator. Serial No. 492,758; Apr. 22. Class 6.

Associated Products, Inc., Chicago, Ill. Face lotions, skin bleaches, vanishing, cleansing, and cold creams, etc. Serial No. 505,549; Apr. 22. Class 6.

Associated Products, Inc., Chicago, Ill. Face lotions, skin bleaches, vanishing, cleansing, and cold cream, etc. Serial No. 505,551; Apr. 22. Class 6.

Atlantic Southwestern Broom Company, Baltimore, Md. Brooms. Serial No. 505,884; Apr. 22. Class 29.

Avon Products, Inc., New York, N. Y., assignor to Kay Daumit, Inc., Chicago, Ill. Lipstick, rouge, and nail polish. Serial No. 494,774; Apr. 22. Class 6.

Bagpak, Inc., New York, N. Y. Multi-wall paper bags. Serial No. 499,752; Apr. 22. Class 2.

Barron Chemical Corp., New York, N. Y. Drug. Serial No. 495,718; Apr. 22. Class 6.

Barron-Gray Packing Company, San Jose, Calif. Canned fruit juices and canned vegetable juices. Serial No. 505,175; Apr. 22. Class 46.

Belden Manufacturing Company, Chicago, Ill. Insulated copper wire. Serial No. 502,793; Apr. 22. Class 21.

Besler Corporation, Emeryville, Calif. Fog generating machine. Serial No. 499,607; Apr. 22. Class 23.

Bixler Corporation, The Cleveland, Ohio. Shaving brushes. Serial No. 507,456; Apr. 22. Class 29.

Blood, Frank A., doing business as F. A. B. Sales Co., Dallas, Tex. Paper place mats, paper doilies, paper coasters, etc. Serial No. 501,817; Apr. 22. Class 50.

Bon-Berger Co. Inc., Berkeley, Calif. Candy suckers. Serial No. 506,855; Apr. 22. Class 46.

Brody, Joseph, & Bros., Inc., Chicago, Ill. Women's coats. Serial No. 508,972; Apr. 22. Class 39.

Bruning, Charles, Company, Inc., New York, N. Y. Ammonia-developing sensitized papers. Serial No. 500,276; Apr. 22. Class 26.

Bulova Watch Company, Inc., New York, N. Y. Watches. Serial Nos. 508,708–9; Apr. 22. Class 27.

Burke & James, Inc., Chicago, Ill. Camera lenses, cameras, photographic enlargers, etc. Serial No. 507,511; Apr. 22. Class 26.

Carroll, William T., doing business as The X-Term-A Company, Gorham, Maine. Medicated ointment. Serial No. 503,971; Apr. 22. Class 6.

Castle Key Corp., New York, N. Y. Novelty key bottle openers. Serial No. 506,092; Apr. 22. Class 23.

Ceraseal Chemical Corporation, assignee: *See—*
Ceraseal Corporation.

Ceraseal Corporation, assignor to Ceraseal Chemical Corporation, Chicago, Ill. Liquid protective treatment preparation or coating in the nature of paint. Serial No. 497,592; Apr. 22. Class 16.

Chemical Manufacturing & Distributing Company, Easton, Pa. Powdered cleaning compound. Serial No. 501,310; Apr. 22. Class 4.

Chemi-Troll Products, doing business as Commercial Chemical Co., Gibsonburg, Ohio. Insecticides, fungicides, herbicides, etc. Serial No. 510,828; Apr. 22. Class 6.

Chili Products Corporation, Ltd., Los Angeles, Calif. Chili powder, chili peppers, dehydrated onion, etc. Serial No. 489,898; Apr. 22. Class 46.

Coccaro, Anthony C., doing business as Mercury Model Airplane Co., New York, N. Y. Airplane models and parts therefor. Serial No. 514,589; Apr. 22. Class 26.

Commander Products, Chicago, Ill. Electric flat irons. Serial No. 510,483; Apr. 22. Class 21.

Commercial Chemical Co.: *See—*
Chemi-Troll Products.

Commercial Solvents Corporation, New York, N. Y. Penicillin compounds. Serial No. 473,308; Apr. 22. Class 6.

Compania de Jarcia de Matanzas, S. A., doing business as Matanzas Cordage Company, Habana, Cuba. Rope. Serial No. 512,323; Apr. 22. Class 7.

Compania Importadora de Vinos de la Habana, Sociedad Anonima, Alacranes, Cuba. Anisette, mother rum, apricot brandy, etc. Serial No. 470,849; Apr. 22. Class 49.

Cone Export and Commission Company, New York, N. Y. Fabrics comprising cotton, wool, linen, etc. Serial No. 476,008; Apr. 22. Class 42.

Consolidated Cosmetics, assignee: *See—*
Yuill, Anna-Jean.

Consolidated Cosmetics, Chicago, Ill. Toilet soap, laundry soap, abrasive grains and powders, etc. Serial No. 503,800; Apr. 22. Class 4.

Coty, Inc., New York, N. Y. Face powder, dusting powder, toilet water, etc. Serial No. 506,096; Apr. 22. Class 6.

Crawford's, Inc., Beverly Hills, Calif. Loud speakers. Serial No. 510,381; Apr. 22. Class 21.

Crucible Steel Company of America, New York, N. Y. Cast alloys of cobalt, chromium, and tungsten. Serial No. 492,035; Apr. 22. Class 14.

Daumit, Kay, Inc., assignee: *See—*
Avon Products, Inc.

Dietary Laboratories: *See—*
Walsh, Michael J.

Douglas, W. L., Shoe Co., Brockton, Mass. Boots, shoes, and slippers. Serial No. 507,894; Apr. 22. Class 39.

Dural Tone Toy Company, Inc., Lynbrook, Long Island, N. Y. Toy xylophones. Serial No. 498,609; Apr. 22. Class 22.

East Weymouth Wool Scouring Co., The, East Weymouth, Mass. Wool grease. Serial No. 488,996; Apr. 22. Class 1.

Edgewater Packing Company, San Francisco, Calif. Canned sardines. Serial No. 508,797; Apr. 22. Class 46.

Eimer and Amend, New York, N. Y. Viscosimeter; falling drop apparatus for measuring density of body fluids, sub-sieve sizer for measuring particle size, etc. Serial No. 494,045; Apr. 22. Class 26.

Electra Voice Corporation, Chicago, Ill. Telephonic call apparatus; telephone communication apparatus; electrical public address apparatus; etc. Serial No. 498,214; Apr. 22. Class 21.

Electronic Appliances Corp., Bronx, N. Y. Inflatable pillows. Serial No. 502,280; Apr. 22. Class 32.

Elzey, Howard R., Upper Darby, Pa. Philatelic accessory. Serial No. 505,402; Apr. 22. Class 37.

Ennest, J., Company, Detroit, Mich. Silver polish having incidental properties as a silver plating preparation. Serial No. 502,741; Apr. 22. Class 4.

F. A. B. Sales Co.: *See—*
Blood, Frank A.

Faultless Rubber Company, The, Ashland, Ohio. Bulb syringes, combination syringes, fountain syringes, and hot water bottles. Serial No. 497,304; Apr. 22. Class 44.

Faultless Rubber Company, The, Ashland, Ohio. Combination syringes, fountain syringes, and hot water bottles. Serial No. 497,305; Apr. 22. Class 44.

Faultless Rubber Company, The, doing business as Ashland Rubber Works, Ashland, Ohio. Baby hot water bottles, hot water bottle syringe attachments, combination syringes, etc. Serial No. 497,306; Apr. 22. Class 44.

Federal Machine and Welder Company, The, Warren, Ohio. Plastic composition table tops. Serial No. 509,644; Apr. 22. Class 32.

Federal Manufacturing & Engineering Corp., Brooklyn, N. Y. Photographic lenses. Serial No. 508,590; Apr. 22. Class 26.

Fernly, Joseph E., doing business as Fernly Products Co., Muskegon Heights, Mich. Charcoal and other solid fuel grills. Serial No. 510,773; Apr. 22. Class 34.

Fernly Products Co.: *See—*
Fernly, Joseph E.

Ferier, Bianchini, Inc., New York, N. Y. Piece goods. Serial No. 504,262; Apr. 22. Class 42.

Fine Arts Sterling Silver Company, Philadelphia, Pa. Silver flatware. Serial Nos. 506,744–5; Apr. 22. Class 28.

Flower Foods, Inc., Maywood, Ill. Composition containing chemical ingredients. Serial No. 503,067; Apr. 22. Class 6.

Ford Manufacturing Company: *See*—
Ford, Wellman B.

Ford, Wellman B., doing business as Ford Manufacturing Company, Mount Kisco, N. Y. Hot water range boilers. Serial No. 511,606; Apr. 22. Class 34.

Friedrich, Ed, Incorporated, San Antonio, Tex. Walk-in coolers, storage coolers, reach-in refrigerators, etc. Serial No. 498,001; Apr. 22. Class 31.

General Features Corporation, New York, N. Y. Newspaper cartoon feature. Serial No. 505,052; Apr. 22. Class 38.

General Thread Mills, Inc., The, Boston, Mass. Cotton thread. Serial No. 513,407; Apr. 22. Class 43.

George & Sherrard Paper Co., New York, N. Y. Multiwall paper bags. Serial No. 499,776; Apr. 22. Class 2.

Granville Fabrics Co., New York, N. Y. Rayon fabrics in the piece. Serial No. 505,821; Apr. 22. Class 42.

Gsell, R., & Co., Inc., New York, N. Y. Watches, watch movements, watchcases, and parts thereof. Serial No. 509,217; Apr. 22. Class 27.

Gustin-Bacon Manufacturing Company, Kansas City, Mo. Oil well pump plungers. Serial No. 505,103; Apr. 22. Class 23.

Harte, Ralph S., San Francisco, Calif. Thin transparent or translucent sheets or films of polyvinyl resin, sold as piece goods. Serial No. 491,255; Apr. 22. Class 42.

Haskell, Charles C., & Co., Inc., Richmond, Va. Medicinal preparation. Serial No. 489,909; Apr. 22. Class 6.

Henlein Brothers Co., Ltd., Cincinnati, Ohio. Outer shirts. Serial No. 505,582; Apr. 22. Class 39.

Herman, Irving and Anna, Chicago, Ill. Upholstery covers. Serial No. 501,451; Apr. 22. Class 32.

Hieber, William S., doing business as Henri Monet, Atlanta, Ga. Perfumes. Serial No. 503,200; Apr. 22. Class 6.

Interstate Latex Company, Youngstown, Ohio. Pillows. Serial No. 506,450; Apr. 22. Class 32.

Jacobson, Norman, New York, N. Y. Ladies', women's, and misses' dresses. Serial No. 506,941; Apr. 22. Class 39.

Johnston, Charles N., San Francisco, Berkeley, Palo Alto, and Oakland, Calif. Photographs. Serial No. 498,146; Apr. 22. Class 38.

Kansas City Food Terminal: *See*—
Sunny Cal Bottling Company.

Kennedy, E. John, New York, N. Y. Insecticides. Serial No. 496,030–1; Apr. 22. Class 6.

Keystone Window Shade Company, Inc., Pittsburgh, Pa. Window shades. Serial No. 506,244; Apr. 22. Class 32.

Kilmer & Co., Incorporated, Stamford, Conn. Fruit flavoring preparations. Serial No. 501,389; Apr. 22. Class 46.

Krier Preserving Company, The, Belgium, Wis. Canned vegetables. Serial No. 506,672; Apr. 22. Class 46.

Krug Baking Company of New York, Inc., The, Mount Vernon, N. Y. Frozen foods. Serial No. 502,220; Apr. 22. Class 46.

Label-Rite Co. Limited, The, Toronto, Ontario, Canada. Partially printed gummed paper labels. Serial No. 494,408; Apr. 22. Class 37.

Lawncraft Products: *See*—
Spoeneman, Arthur O.

Lederle Laboratories, Inc., assignor to American Cyanamid Company, New York, N. Y. Sulfamethazine preparations. Serial No. 504,911; Apr. 22. Class 6.

Lilly, Eli, and Company, Indianapolis, Ind. Medicinal preparation. Serial No. 505,603; Apr. 22. Class 6.

Lovers' Leap Co., West Lynn, Mass. Maltless soft drinks and carbonated waters. Serial No. 499,956; Apr. 22. Class 45.

Lowe, Joe, Corporation, New York, N. Y. Variegated ice cream and flavoring materials. Serial No. 508,159; Apr. 22. Class 46.

Lucky Heart Company: *See*—
Lucky Heart Laboratories, Inc.

Lucky Heart Laboratories, Inc., doing business as Lucky Heart Company, Memphis, Tenn. Perfume and toilet water. Serial No. 505,705; Apr. 22. Class 6.

Mallinckrodt Chemical Works, St. Louis, Mo. Stabilized assimilable iodide-containing substances. Serial No. 480,463; Apr. 22. Class 46.

Mangan & Company Laboratories, New York, N. Y. Preparation for the treatment of canine distemper. Serial No. 505,970; Apr. 22. Class 6.

Masland, C. H., & Sons, Carlisle, Pa. Textile carpets and rugs. Serial No. 488,653; Apr. 22. Class 42.

Mast, J. B., Co., Inc., New York, N. Y. Luring grease for use on hat surfaces, brim stiffener chemicals, and hat maker's kits. 499,957; Apr. 22. Class 6.

Mastergrip Utilities Supply Corporation, St. Louis, Mo. Electrical grounding assemblies. Serial No. 510,853; Apr. 22. Class 21.

Matanzas Cordage Company: *See*—
Compania de Jarcia de Matanzas, S. A.

Mercury Model Airplane Co.: *See*—
Coccaro, Anthony C.

Mereminsky, Perez, Brooklyn, N. Y. Material for watches. Serial No. 499,272; Apr. 22. Class 27.

Messinger, Hal, Associates, Inc., Tampa, Fla., and Playa Del Rey, Calif. Devices for attachment to the feet for use as aids in swimming. Serial No. 518,470; Apr. 22. Class 22.

Meyers, Maxwell, Inc., San Antonio, Tex. Musical instruments. Serial No. 492,648; Apr. 22. Class 36.

Miller, Edward J., doing business as Perma-Stone Company, Columbus, Ohio. Cementitious wall surfacing; artificial stone; and coloring admixtures, etc. Serial No. 502,708; Apr. 22. Class 12.

Miller, Joseph, assignor to Regis Corporation, New York, N. Y. Pyrophoric and catalytic cigarette lighters. Serial No. 500,406; Apr. 22. Class 34.

Monet, Henri: *See*—
Hieber, William S.

Montenier, Jules, doing business as Select Cosmetics, Chicago, Ill. Hair dressing and shampoo. Serial No. 502,225; Apr. 22. Class 6.

Moody, A., & Co. Inc., Los Angeles, Calif. Mattresses and box springs. Serial No. 506,608; Apr. 22. Class 32.

Moo-Vie Auction Sales, Inc., Pittsburgh, Pa. Physically grooved transcription records. Serial No. 500,817; Apr. 22. Class 36.

Mullins Manufacturing Corporation, Salem and Warren, Ohio. Stamped, pressed or drawn steel wash tubs and tubs for washing machines, etc. Serial No. 494,698; Apr. 22. Class 24.

Musivox Sales Company, New York, N. Y. Radio receiving sets and electric phonographs. Serial No. 501,920; Apr. 22. Class 21.

Nion Corporation, Los Angeles, Calif. Tablets. Serial No. 504,993; Apr. 22. Class 6.

Okonite Callender Cable Company, Incorporated, The, Paterson, N. J. Electrically insulated wire and cable. Serial No. 507,998; Apr. 22. Class 21.

Okonite Company, The, Passaic, N. J. Aerial cable. Serial No. 502,527; Apr. 22. Class 21.

Oregon Flax Textiles, Inc., Oakland, Calif. Textile rugs and floor coverings. Serial No. 491,169; Apr. 22. Class 42.

Pal, Inc., Washington, D. C. Fruit flavored non-alcoholic, maltless beverages. Serial No. 502,996; Apr. 22. Class 45.

Palmer, Ralph S., doing business as Ralph S. Palmer Co., Detroit, Mich. Laundry racks. Serial No. 492,578; Apr. 22. Class 24.

Palmer, Ralph S., Co.: *See*—
Palmer, Ralph S.

Parmelee Products, Inc., Westfield, Mass. Household brushes. Serial No. 508,546; Apr. 22. Class 29.

Pavilion Cosmetics, Incorporated, Yonkers, N. Y. Toilet cream. Serial No. 502,663; Apr. 22. Class 6.

Perma-Stone Company: *See*—
Miller, Edward J.

Peters, Charles A., Bayside, Long Island, New York. China, porcelain, and earthenware articles. Serial No. 502,766; Apr. 22. Class 30.

Peters, Martin C., doing business as Toilet Paint and Chemical Co., Toledo, Ohio. Chemical preparations. Serial No. 500,182; Apr. 22. Class 6.

Pfeiffer, S., Mfg. Co., St. Louis, Mo. Hair and scalp lotion, shampoo, and after-shaving balm. Serial No. 503,125; Apr. 22. Class 6.

Phillips, Frank, doing business as Frank Phillips Company, New York, N. Y. Worsted knitted fabrics, and rayon knitted fabrics both in the piece. Serial No. 503,325; Apr. 22. Class 42.

Phillips, Frank, Company: *See*—
Phillips, Frank.

Photoswitch Incorporated, Cambridge, Mass. Electrical signal amplifying and/or relaying apparatus. Serial No. 494,411; Apr. 22. Class 21.

Pinnacle Equipment Corporation, Fleetwood, Pa. Refrigerators and refrigerating cases. Serial No. 509,297; Apr. 22. Class 31.

Plastic Treasures, Inc., New York, N. Y. Infant's toy. Serial No. 501,338; Apr. 22. Class 22.

Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Mattresses, playards, cribs, etc. Serial No. 483,735; Apr. 22. Class 32.

Poloron Products, Inc., New Rochelle, N. Y. Insulated picnic jugs and insulated picnic boxes. Serial No. 499,002; Apr. 22. Class 2.

Poloron Products, Inc., New Rochelle, N. Y. Insulated picnic jugs and insulated picnic boxes. Serial No. 499,004; Apr. 22. Class 2.

Poloron Products, Inc., New Rochelle, N. Y. Insulated picnic jugs. Serial No. 499,005; Apr. 22. Class 2.

Poloron Products, Inc., New Rochelle, N. Y. Picnic drinking cups. Serial No. 499,009; Apr. 22. Class 2.

Price, Jack, Los Angeles, Calif. Perfume, cologne, and toilet water. Serial No. 502,154; Apr. 22. Class 6.

Protective Coatings Corporation, Belleville, N. J. Coating material of lacquer, varnish, and like origin. Serial No. 496,568; Apr. 22. Class 16.

Radiron Corporation, Miamisburg, Ohio. Electric irons. Serial No. 499,351; Apr. 22. Class 21.

Red Circle Magazines Inc., New York, N. Y. Magazine or publication. Serial No. 504,388; Apr. 22. Class 38.

Regis Corporation, assignee: *See*—
Miller, Joseph.

Replica Products Company, New York, N. Y. Printing inks, drawing inks, typewriter ribbons, and carbon papers. Serial No. 498,312; Apr. 22. Class 11.

Richgrove-Jasmine Citrus Association, Delano, Calif. Fresh citrus fruits. Serial No. 508,066; Apr. 22. Class 46.

Rigo Manufacturing Company, Nashville, Tenn. Salve. Serial No. 509,302; Apr. 22. Class 6.

Rigo Manufacturing Company, Nashville, Tenn. Mouth wash. Serial No. 509,303; Apr. 22. Class 6.

Root, Nathan, doing business as Root & Company, Grand Rapids, Mich. Compounds for cleaning furs. Serial No. 501,775; Apr. 22. Class 4.

Rugby Products Corporation, New York, N. Y. Brief cases, wallets, bill folds, etc. Serial No. 512,615; Apr. 22. Class 3.

Sales Affiliates, Inc., New York, N. Y. Waving lotion, normalizer lotion, hair conditioning cream, etc. Serial No. 493,221; Apr. 22. Class 6.

Select Cosmetics: *See*—
Montenier, Jules.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Rectal suppository. Serial No. 507,346; Apr. 22. Class 6.

Sickles, Louis, Philadelphia, Pa. Watches and watch cases. Serial Nos. 492,799–800; Apr. 22. Class 27.

Smith, M., Company, assignor to M. Smith Co., Inc., Philadelphia, Pa. Ladies' and men's suitcases and bags. Serial No. 502,926; Apr. 22. Class 3.

Smith, M., Co., Inc., assignee: *See*—
Smith, M., Company.

Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Medicinal preparation. Serial No. 494,934; Apr. 22. Class 6.

South Shore Packing Corporation, Vermilion, Ohio. Fruit jams, fruit jellies, fruit marmalades, etc. Serial No. 471,990; Apr. 22. Class 46.

Spoeneman, Arthur O., doing business as Lawncraft Products, Clayton, Mo. Lawn mowers, rakes, hoes, etc. Serial No. 497,826; Apr. 22. Class 23.

Sprackling, George A., doing business as Sprackling Products Company, Janesville, Wis. Measuring spoon. Serial No. 508,754; Apr. 22. Class 26.

Sprackling Products Company: *See*—
Sprackling, George A.

Standard Fuel Engineering Company, Detroit, Mich. Gas burners. Serial No. 510,809; Apr. 22. Class 34.

Standard Laboratories, Inc., New York, N. Y. Antacid and laxative. Serial No. 490,146; Apr. 22. Class 6.

Stein & Fishman Fabrics, New York, N. Y. Piece goods of rayon. Serial No. 492,968; Apr. 22. Class 42.

Stewart, John R., Philadelphia, Pa. Rayon in the form of synthetic fibers. Serial No. 499,668; Apr. 22. Class 1.

Stock Market Trend Service Inc., Boston, Mass. Stock market investment service reports and stock analyses. Serial No. 505,627; Apr. 22. Class 38.

Sultech Company: *See*—
Alvos, Dell.

Sunny Cal Bottling Company, doing business as Kansas City Food Terminal, Kansas City, Kans. Fruit flavored soft drink and concentrate. Serial No. 503,232; Apr. 22. Class 45.

Sussberg, Raymond M., New York, N. Y. Slips and nightgowns. Serial No. 497,054; Apr. 22. Class 39.

Teleregister Corporation, The, New York, N. Y. Telegraphic typing apparatus. Serial No. 507,758; Apr. 22. Class 21.

Time Oil Co., Seattle, Wash. Gasoline. Serial No. 477,382; Apr. 22. Class 15.

Toilet Paint and Chemical Co.: *See*—
Peters, Martin C.

Transcontinental & Western Air, Inc., Kansas City, Mo. Periodical. Serial No. 504,942; Apr. 22. Class 38.

Trumpler, William, Media, Pa. Toy construction sets. Serial No. 505,781; Apr. 22. Class 22.

Tubbs Cordage Company, San Francisco, Calif. Manila rope. Serial No. 512,465; Apr. 22. Class 7.

Ulmann, Bernhard, Co., Inc., New York, N. Y. Hand crochet cotton yarn. Serial No. 512,731; Apr. 22. Class 43.

United States Time Corporation, The, Waterbury, Conn. Watches and clocks. Serial No. 509,054; Apr. 22. Class 27.

Utility Blade & Razor Co., Cranford, N. J. Razor blades. Serial No. 508,559; Apr. 22. Class 23.

Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. Serial No. 497,144; Apr. 22. Class 6.

V Company: *See*—
Viita, Maiju.

Van Tassel, Edward D., Jr., Cohasset, Mass. Soles and insoles of leather. Serial No. 509,894; Apr. 22. Class 39.

Vick, T. L., Norman, Okla. Preparation for removing dandruff, stop falling hair, and for treating itching scalp, etc. Serial No. 466,815; Apr. 22. Class 6.

Viita, Maiju, doing business as V Company, Lantana, Fla. Facial pack. Serial No. 489,632; Apr. 22. Class 6.

Visray Textiles, Inc., New York, N. Y. Ribbons made of rayon. Serial No. 506,149; Apr. 22. Class 42.

Walsh, Michael J., doing business as Dietary Laboratories, San Diego, Calif. Concentrated food material for use in human diet containing vitamins and minerals. Serial No. 487,231; Apr. 22. Class 6.

Weatherall Engineers, Incorporated, Providence, R. I. Oil or gas burning heat generating units. Serial No. 493,990; Apr. 22. Class 34.

Weatherall Engineers, Incorporated, Providence, R. I. Oil or gas burning heat generating units. Serial No. 494,152; Apr. 22. Class 34.

Weatherall Engineers, Incorporated, Providence, R. I. Fluid fuel burners, fluid fuel burning heat generating units, etc. Serial No. 514,384; Apr. 22. Class 34.

Weatherall Engineers, Incorporated, Providence, R. I. Fluid fuel burners, fluid fuel burning heat generating units, etc. Serial No. 514,515; Apr. 22. Class 34.

Western Tablet & Stationery Corporation, Dayton, Ohio. Paper, boxed stationery, envelopes, etc. Serial No. 503,274; Apr. 22. Class 37.

Western United Distributors, San Francisco, Calif. Brandy. Serial No. 498,559; Apr. 22. Class 49.

Westinghouse Electric Corporation, East Pittsburgh, Pa. Magazines. Serial No. 505,326; Apr. 22. Class 38.

Wimelbacher & Rice, Inc., New York, N. Y. Gloves. Serial No. 507,034; Apr. 22. Class 39.

Youngs Rubber Corporation, New York, N. Y. Prophylactic membranous articles. Serial No. 513,708; Apr. 22. Class 44.

Yuill, Anna-Jean, assignor to Consolidated Cosmetics, Chicago, Ill. Aspirin. Serial No. 504,414; Apr. 22. Class 6.

X-Term-A Company, The: *See*—
Carroll, William T.

LIST OF REGISTRANTS OF TRADE-MARKS

Academy Award Products, Inc., New York, N. Y. Alloy metals, and calcium treated aluminum, copper, etc. 429,168; Apr. 22; Serial No. 500,346; published Feb. 4, 1947. Class 14.

Acme Visible Records, Inc., Chicago, Ill. Filing cabinets and filing cabinet drawers. 429,219; Apr. 22. Class 32.

Acrylic Plastic Laboratory: *See*—
Sampsel, William A.

Akin, W. L., doing business as Southern Foods Co., McAllen, Tex. Canned grapefruit juice and canned vegetables. 429,139; Apr. 22; Serial No. 491,787; published Feb. 4, 1947. Class 46.

Alloy Tile Co., Rahway, N. J. Plain and enameled metal tile. 429,147; Apr. 22; Serial No. 495,125; published Feb. 4, 1947. Class 12.

Amalgamated Dental Company, Limited, The, London, England. Flasks for use in dentistry and press assemblies. 429,144; Apr. 22; Serial No. 494,535; published Feb. 11, 1947. Class 44.

Ambriola, John, & Co., Inc.: *See*—
De Marinis-Ambriola, P., Company.

American Home Foods, Inc., assignee: *See*—
Duff, P., & Sons, Inc.

American Novelty Co., Inc., Omaha, Nebr. Combination toy blackboards and dart games. 429,204; Apr. 22. Class 22.

American Photo-Engraving Co., Philadelphia, Pa. Photo-engraved printing plates. 429,190; Apr. 22; Serial No. 509,319; published Jan. 14, 1947. Class 50.

American Viscose Corporation, assignee: *See*—
Sylvania Industrial Corporation.

American Zyloptic Company, Incorporated, New York, N. Y. Ophthalmic mountings. 429,181; Apr. 22; Serial No. 503,785; published Feb. 4, 1947. Class 26.

Ams, Max, Incorporated, New York, N. Y. Canned sardines. 429,178; Apr. 22; Serial No. 502,870; published Jan. 14, 1947. Class 46.

Anchor Packing Company, The, Philadelphia, Pa. Brake lining, rubber, balata, and leather belting. 224,948; renewed Mar. 8, 1947. O. G. Apr. 22. Class 35.

Andersen-Smith & Hamilton Incorporated, to Andersen-Smith Milling Co., San Francisco, Calif. Poultry and stock feeds. 219,500–1; renewed Oct. 19, 1946. O. G. Apr. 22. Class 46.

Andersen-Smith Milling Co.: *See*—
Andersen-Smith & Hamilton Incorporated.

Aristocrat Leather Products, Inc., New York, N. Y. Wallets, pocketbooks, and bill folds. 429,162; Apr. 22; Serial No. 499,750; published Feb. 4, 1947. Class 3.

Ariston, Incorporated, New York, N. Y. Pottery and earthenware vases, dishes, flower holders, etc. 429,160; Apr. 22; Serial No. 499,464; published Feb. 4, 1947. Class 30.

Arms, Leland J., San Francisco, Calif. Mechanically grooved phonograph records and mechanically grooved tape recordings. 429,141; Apr. 22; Serial No. 492,675; published Jan. 14, 1947. Class 36.

Associated Physicians Laboratories, to Associated Physicians Laboratories, Ltd., San Francisco, Calif. Certain named chemical, medicinal, and pharmaceutical preparations. 212,598; renewed May 11, 1946. O. G. Apr. 22. Class 6.

Associated Physicians Laboratories, Ltd.: *See—*
Associated Physicians Laboratories.

Astra Photo Products, Inc., New York, N. Y. Photographic films. 429,179; Apr. 22; Serial No. 503,414; published Jan. 28, 1947. Class 26.

Atlantic Commission Company, Inc., New York, N. Y. Potatoes in their natural state. 222,498; renewed Jan. 4, 1947. O. G. Apr. 22. Class 46.

Authorized Cabinet Company: *See—*
Johnson, H. Barkley.

Ayer, Harriet Hubbard: *See—*
French Beauty Products Co., Inc.

Bache, Semon, & Company, New York, N. Y. Sheet and picture glass. 429,166; Apr. 22; Serial No. 499,985; published Feb. 4, 1947. Class 33.

Baker, George S.: *See—*
Shush Laboratories, not Inc.

Baltimore Spice Company: *See—*
Brunn, Gustave C.

Barrett Plastic Products, Inc., Hollywood, Calif. Picture frames of plastic materials, and wood. 429,131; Apr. 22; Serial No. 486,450; published Feb. 4, 1947. Class 32.

Bayer Company, Inc., The, New York, N. Y., to Sterling Drug Inc., Wilmington, Del. Insecticides, fungicides, rodenticides, etc. 225,427; renewed Mar. 15, 1947. O. G. Apr. 22. Class 6.

Beacon Manufacturing Company, New Bedford, Mass., and Providence, R. I., to Beacon Manufacturing Company, Swannanoa, N. C. Cotton blankets. 224,556; renewed Mar. 1, 1947. O. G. Apr. 22. Class 42.

Beacon Oil Company, to Colonial Beacon Oil Company, Boston, Mass. Gasoline. 224,453; renewed Mar. 1, 1947. O. G. Apr. 22. Class 15.

Biddle Purchasing Company, New York, N. Y. Display cabinets. 429,211; Apr. 22. Class 32.

Boston Leather Specialties Co., assignor to Bunny Bear, Inc., Everett, Mass. Mattresses. 429,199; Apr. 22. Class 32.

Bowlby, Byron J., doing business as Bowlby Candy Company, Appleton, Wis. Candy. 429,158; Apr. 22; Serial No. 498,580; published Jan. 14, 1947. Class 46.

Bowlby Candy Company: *See—*
Bowlby, Byron J.

Brenner, Wm., Furniture Corp., The, Cincinnati, Ohio. Living room suites. 429,218; Apr. 22. Class 32.

Brown Paint Company, Incorporated, Charlotte, N. C. Lacquer solvent. 429,237; Apr. 22. Class 16.

Browne, Stewart R., Mfg. Co., Inc., New York, N. Y. Toothed or gear wheels. 225,263; renewed Mar. 15, 1947. O. G. Apr. 22. Class 23.

Brunn, Gustave C., doing business as Baltimore Spice Company, Baltimore, Md. Seasonings for meat, sea food, and other food products. 429,137; Apr. 22; Serial No. 489,201; published Feb. 4, 1947. Class 46.

Bunny Bear, Inc., assignee: *See—*
Boston Leather Specialties Co.

Bunyan, Paul, Bait Company, The, Minneapolis, Minn. Fishing spoons and fishing spinners. 429,195; Apr. 22; Serial No. 511,959; published Feb. 11, 1947. Class 22.

California Date Growers Association: *See—*
Deglet Noor Date Growers Association, The.

Carmo Shoe Manufacturing Company, Union, Mo. Misses' shoes. 429,159; Apr. 22; Serial No. 498,684; published Jan. 14, 1947. Class 39.

Casco Products Corporation, Bridgeport, Conn. Electrical heating pads. 429,197; Apr. 22; Serial No. 513,967; published Feb. 11, 1947. Class 44.

Cheramy, Inc.: *See—*
Reichman & Faust.

Chicago Flexible Shaft Company, Chicago, Ill., now by change of name to Sunbeam Corporation. Merchandise display stands, tables, and cabinets, etc. 429,134; Apr. 22; Serial No. 488,313; published Jan. 14, 1947. Class 32.

Chicago Metal Hose Corporation: *See—*
Chicago Tubing & Braiding Co.

Chicago Tubing & Braiding Co., Chicago, to Chicago Metal Hose Corporation, Maywood, Ill. Flexible tubing. 49,516; re-renewed Feb. 6, 1946. O. G. Apr. 22. Class 35.

Chili Products Corporation, to Chili Products Corporation, Ltd., Los Angeles, Calif. Dry sweet pepper. 209,079; renewed Feb. 16, 1946. O. G. Apr. 22. Class 46.

Chili Products Corporation, Ltd.: *See—*
Chili Products Corporation.

Climalene Company, The: *See—*
Lepper, Warren K.

Cluett, Peabody & Co., Inc., Troy, N. Y. Piece goods and shirtings. 429,183; Apr. 22; Serial No. 505,735; publication waived. Class 42.

College Inn Food Products Company, Chicago, Ill. Tomato juice cocktail. 429,157; Apr. 22; Serial No. 498,398; published Jan. 14, 1947. Class 46.

Colonial Beacon Oil Company: *See—*
Beacon Oil Company.

Consolidated Cosmetics, Chicago, Ill. Fishing plugs, fishing spinners, and fishing sinkers, etc. 429,196; Apr. 22; Serial No. 513,501; published Feb. 11, 1947. Class 22.

Consolidated Cosmetics, assignor to Veralin, Inc., Chicago, Ill. Metal and plastic bottle caps, mouse traps, fly swatters, etc. 429,169; Apr. 22; Serial No. 500,607; published Feb. 4, 1947. Class 50.

Cooked Food Products Corp., New York, N. Y. Roast chicken in jars. 429,138; Apr. 22; Serial No. 490,929; published Jan. 14, 1947. Class 46.

Coro, Inc., New York, N. Y. Necklaces, bracelets, finger rings, earrings, etc. 429,214; Apr. 22. Class 28.

Cynthia Mills, East Boston, to Cynthia Mills, Boston, Mass. Yarns and thread. 225,542; renewed Mar. 22, 1947. O. G. Apr. 22. Class 43.

Dartmore Corp.: *See—*
Hollywood Powder Puff Co., Inc.

Deglet Noor Date Growers Association, The, to California Date Growers Association, Indio, Calif. Fresh and candied dates. 224,628; renewed Mar. 1, 1947. O. G. Apr. 22. Class 46.

De Marinis-Ambriola, P., Company, to John Ambriola & Co., Inc., Youngstown, Ohio. Vegetable oils. 221,806; renewed Dec. 14, 1946. O. G. Apr. 22. Class 46.

Dependon Asphaltum Roofing Co., to Dependon Roofing Co., Chicago, Ill. Prepared roofing of all kinds. 221,159; renewed Nov. 23, 1947. O. G. Apr. 22. Class 12.

Dependon Roofing Co.: *See—*
Dependon Asphaltum Roofing Co.

DoAll Company, The, assignor to The DoAll Company, Des Plaines, Ill. Powdered metal carbonides, and unfinished and partly finished parts. 429,124; Apr. 22; Serial No. 478,504; published Feb. 4, 1947. Class 14.

Driver-Harris Company, Harrison, N. J. Wire, rods, sheets, etc. 429,163; Apr. 22; Serial No. 499,771; published Feb. 4, 1947. Class 14.

Duff, P., & Sons, Inc., Pittsburgh, Pa., assignor to American Home Foods, Inc., New York, N. Y. Prepared mix for making devil's food cake. 429,127; Apr. 22; Serial No. 484,620; published Jan. 14, 1947. Class 46.

Dutcher, Alfred M., doing business as National In-2-Sta Co., Seattle, Wash. Watch crystals. 429,126; Apr. 22; Serial No. 482,925; published Feb. 4, 1947. Class 33.

East Pembroke Canning Co., East Pembroke and New York, N. Y. Frozen and canned vegetables and canned tomato juice. 429,223; Apr. 22. Class 46.

Elano Products, New York, N. Y. Banners and pennants. 429,225; Apr. 22. Class 50.

Electric Heat Control Apparatus Co.: *See—*
Weber, Valentine.

Ero Manufacturing Co., Chicago, Ill. Hassocks. 429,184; Apr. 22; Serial No. 507,467; published Nov. 26, 1946. Class 32.

Everfine Jewelry Mfg. Co., Providence, R. I. Jewelry for personal wear (not including watches). 429,236; Apr. 22. Class 28.

Fellman, Abraham L., doing business as The Lenzo Company, to B. R. Fellman, doing business as Lenzo Company, Philadelphia, Pa. Fluid for cleaning optical lenses. 222,354; renewed Dec. 28, 1946. O. G. Apr. 22. Class 4.

Fellman, Bertha R.: *See—*
Fellman, Abraham L.

Firth Sterling Steel Company, McKeesport, Pa. Sintered carbide hard metal compositions. 429,130; Apr. 22; Serial No. 485,906; published Feb. 4, 1947. Class 14.

Florence Pipe Foundry & Machine Company: *See—*
Florence Pipe Foundry & Machine Co.

Florence Pipe Foundry & Machine Co., Florence, N. J., and Philadelphia, Pa., to Florence Pipe Foundry & Machine Company, Florence, N. J. Cast-iron pipes. 223,784; renewed Feb. 8, 1947. O. G. Apr. 22. Class 13.

Food Flavour Preservation Process Limited, Leigh-on-Sea, to Food Flavour Preservation Process Limited, London, England. Impregnated air-tight material. 215,594; renewed July 20, 1946. O. G. Apr. 22. Class 50.

French Beauty Products Co., Inc., to Harriet Hubbard Ayer, New York, N. Y. Perfumes and toilet waters. 220,850; renewed Nov. 16, 1946. O. G. Apr. 22. Class 6.

Gayle, Clarence, doing business as Geo. W. Gayle & Son, Frankfort, Ky. Fishing reels. 429,222; Apr. 22. Class 22.

Gayle, Geo. W., & Son: *See—*
Gayle, Clarence.

Gaylord-Shelton, Inc., assignee: *See—*
Shelton, W. G., Co., Inc.

General Petroleum Corporation: *See—*
General Petroleum Corporation of California.

General Petroleum Corporation of California, to General Petroleum Corporation, Los Angeles, Calif. Lubricating oils and greases. 221,231; renewed Nov. 23, 1947. O. G. Apr. 22. Class 15.

Glenn, J. W., & Sons, New York, N. Y. Piece goods of cotton, rayon, and mixtures. 429,201; Apr. 22. Class 42.

Golden Gate Products: *See—*
Jacobs, John.

Grant Photo Products, Inc., New York, N. Y. Sensitized photographing paper. 429,135; Apr. 22; Serial No. 488,754; published Jan. 28, 1947. Class 26.

Great Atlantic & Pacific Tea Co., The, Jersey City, N. J., to The Great Atlantic & Pacific Tea Co., New York, N. Y. Coffee. 225,007; renewed Mar. 8, 1947. O. G. Apr. 22. Class 46.

Green, Albert W.: *See—*
Green, Edwin M.

Green, Edwin M., St. Louis, Mo., executor of the estate of A. M. Green, deceased, to The Yardstick, Inc., New York, N. Y. Cotton sheetings. 53,629; re-renewed June 5, 1946. O. G. Apr. 22. Class 42.

Grodberg, George L., doing business as George L. Grodberg Company, Boston, Mass. Men's and young men's suits, overcoats, topcoats, etc. 429,206; Apr. 22. Class 39.

Grossman Music Co., Cleveland, Ohio. Fifes, flageolets, flutes, etc. 429,233; Apr. 22. Class 36.

HRH General Novelty Co., Inc., Brooklyn, N. Y. Photograph printing kit. 429,185; Apr. 22; Serial No. 507,585; published Jan. 28, 1947. Class 26.

Hance Bros. & White Co.: *See—*
Hance Brothers & White Inc.

Hance Brothers & White Inc., to Hance Bros. & White Co., Philadelphia, Pa. Laxative pill or powder. 215,110; renewed July 13, 1946. O. G. Apr. 22. Class 6.

Herald Products Co.: *See—*
Nagel, Rosalie.

Heribert, Herbert J., New York, N. Y. Adhesive for bonding cork, leather, linoleum, etc. 429,156; Apr. 22; Serial No. 498,283; published Feb. 4, 1947. Class 5.

Hollywood Powder Puff Co., Inc., doing business as Dartmore Corp., Brooklyn, N. Y. Powder puffs. 429,202; Apr. 22. Class 29.

Houlis, Louis D., Dallas, Tex. Heating and ventilating and air conditioning units. 429,121; Apr. 22; Serial No. 468,202; published Oct. 24, 1944. Class 34.

Houlis, Louis D., Dallas, Tex. Baking ovens. 429,122; Apr. 22; Serial No. 468,203; published Oct. 24, 1944. Class 34.

Hoyt, Arthur S., to Arthur S. Hoyt Company, Inc., New York, N. Y. Paste. 59,609; re-renewed Jan. 15, 1947. O. G. Apr. 22. Class 5.

Hoyt, Arthur S., Company, Inc.: *See—*
Hoyt, Arthur S.

International Silver Company, The: *See—*
International Silver Company.

International Silver Company, to The International Silver Company, Meriden, Conn. Imitation silverware. 58,889; re-renewed Dec. 25, 1946. O. G. Apr. 22. Class 23.

Irving Airchute Company, Inc., Buffalo, N. Y. Parachutes, parachute packs, and parachute harness. 228,084; renewed May 24, 1947. O. G. Apr. 22. Class 19.

Irving-Cloud Publishing Company, The, Chicago, Ill. Monthly publication. 223,219; renewed Jan. 18, 1947. O. G. Apr. 22. Class 38.

Island Specialty Co., Brooklyn, N. Y. Food preparation consisting of grated coconut with added sugar, rice, flour, salt, etc. 429,128; Apr. 22; Serial No. 485,447; published Jan. 14, 1947. Class 46.

Italian Cook Oil Corp., Brooklyn, N. Y. Salad oil and cooking oil. 429,203; Apr. 22. Class 46.

Jacobs, John, doing business as Golden Gate Products, Berkeley, Calif. Crushed berries. 429,216; Apr. 22. Class 46.

Jay-Bee Recording Co., New York, N. Y. Mechanically grooved phonograph records. 429,215; Apr. 22. Class 36.

Johnson, H. Barkley, doing business as Authorized Cabinet Company, Los Angeles, Calif., and Grand Haven, Mich. Refrigerators. 429,192; Apr. 22; Serial No. 510,519; published Feb. 4, 1947. Class 31.

Karp, Maximilian S., Los Angeles, Calif. Domestic furniture. 429,231; Apr. 22. Class 32.

Kemper Fabrics Co., Inc., New York, N. Y. Textile fabrics in the piece. 429,230; Apr. 22. Class 42.

Kent-Coffey Manufacturing Company, Lenoir, N. C. Furniture. 429,217; Apr. 22. Class 32.

Kerman, Oscar, doing business as Osker's Candy Shop, Plainfield, N. J. Candy, chocolate, and gift baskets. 429,123; Apr. 22; Serial No. 478,005; published Jan. 14, 1947. Class 46.

Kern, George, Inc., to George Kern, Inc., New York, N. Y. Ham and bacon. 221,804; renewed Dec. 14, 1946; O. G. Apr. 22. Class 46.

Kitchenette Apron Company: *See—*
Roehr, Herbert W.

Leatherclad Inc., New York, N. Y. Men's and boys' leather jackets, leather coats, woolen and leather combination jackets, etc. 429,213; Apr. 22. Class 39.

Lenzo Company: *See—*
Fellman, Abraham L.

Lenzo Company, The: *See—*
Fellman, Abraham L.

Lepper, Warren K., Gloversville, N. Y., to The Climalene Company, Canton, Ohio. Chemical compound. 222,061; renewed Dec. 21, 1946. O. G. Apr. 22. Class 4.

Liebel-Flarsheim Co., The, Cincinnati, Ohio. Electrosurgical and electromedical apparatus. 429,193; Apr. 22; Serial No. 510,709; published Feb. 11, 1947. Class 44.

Liebel-Flarsheim Co., The, Cincinnati, Ohio. Electrosurgical and electromedical apparatus. 429,194; Apr. 22; Serial No. 510,963; published Feb. 11, 1947. Class 44.

Luer Bros. Packing & Ice Co., Alton, Ill. Bacon, ham, picnics, sausage, and lard. 223,705; renewed Feb. 8, 1947. O. G. Apr. 22. Class 46.

Lyson, Inc., Chicago, Ill. Canvas bags. 429,198; Apr. 22; Serial No. 514,207; published Feb. 11, 1947. Class 2.

Madsen, Lee B., doing business as San Luis Distributing Co., San Luis Obispo, Calif. Fresh vegetables. 429,182; Apr. 22; Serial No. 504,054; published Feb. 4, 1947. Class 46.

Majer Brand Company, Inc., assignee: *See—*
Majer Company, The.

Majer Company, The., assignor to Majer Brand Company, Inc., New York, N. Y. Men's and young men's dress shirts, sport shirts, military shirts, etc. 429,226; Apr. 22. Class 39.

Manchester Knitted Fashions, Inc., Manchester, N. H. Children's knitted suits. 429,210; Apr. 22. Class 39.

Marden, Dave, New York, N. Y. Watches. 429,205; Apr. 22. Class 27.

Maupai, Eugene L., to F. P. Maupai Dyeing Co., Inc., West New York, N. J. All-silk piece goods dyed by patented process. 222,614; renewed Jan. 4, 1947. O. G. Apr. 22. Class 42.

Maupai, F. P., Dyeing Co., Inc.: *See—*
Maupai, Eugene L.

McArthur, Warren, Corporation, Bantam, Conn. Seats for use in households and offices. 429,148; Apr. 22; Serial No. 495,201; published Feb. 4, 1947. Class 32.

Mengel Company, The, Louisville, Ky. Dressers, bureaus, highboys, etc. 429,170; Apr. 22; Serial No. 500,682; published Jan. 28, 1947. Class 32.

Metz, H. A., Laboratories, Inc., to Winthrop Chemical Company, Inc., New York, N. Y. Organic iodine compound. 224,955; renewed Mar. 8, 1947. O. G. Apr. 22. Class 6.

Michael, Dav'd, & Co., Philadelphia, Pa. Flavoring for foods. 429,171; Apr. 22; Serial No. 500,815; published Jan. 21, 1947. Class 46.

Minerva Novelty, Inc., New York, N. Y. Sifters. 429,140; Apr. 22; Serial No. 492,452; published Feb. 11, 1947. Class 2.

Minnesota Mining & Manufacturing Company, to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Abrasive cloth and paper. 221,013–14; renewed Nov. 23, 1946. O. G. Apr. 22. Class 4.

Murrmann, Annie Elizabeth, Mrs., Danville, Ill. Medicine to be used in the treatment of functional disorders. 216,711; renewed Aug. 17, 1946. O. G. Apr. 22. Class 6.

Mutual System of Bridgeport, Inc.: *See—*
Mutual System Company, The.

Mutual System Company, The, to The Mutual System of Bridgeport, Inc., Bridgeport, Conn. Saving certificates. 211,557; renewed Apr. 13, 1946. O. G. Apr. 22. Class 38.

Naco Fertilizer Company: *See—*
Nitrate Agencies Company.

Nagel, Rosalie, doing business as Herald Products Co., New York, N. Y. Glass beverage ware, dinnerware, and glass cooking ware. 429,145; Apr. 22; Serial No. 494,700; published Feb. 4, 1947. Class 33.

National In-2-Sta Co.: *See—*
Dutcher, Alfred M.

National Lead Company, New York, N. Y. Bearing metal alloys. 429,164; Apr. 22; Serial No. 499,961; published Feb. 4, 1947. Class 14.

Neff, Grace V., Chicago, Ill. Rugs and carpets. 429,150; Apr. 22; Serial No. 496,456; published Jan. 28, 1947. Class 42.

Newell, Walter L., St. Louis, Mo. Saddles and saddletrees therefor. 429,188; Apr. 22; Serial No. 508,606; published Feb. 4, 1947. Class 3.

Nicholas, Minoa J., New York, N. Y. Candies, salted, shelled, unshelled, and glacé nuts, etc. 225,404; renewed Mar. 15, 1947. O. G. Apr. 22. Class 46.

Nitrate Agencies Company, to Naco Fertilizer Company, New York, N. Y. Insecticides. 219,700; renewed Oct. 19, 1946. O. G. Apr. 22. Class 6.

Northwestern Canning & Packing Co.: *See—*
Spoto, James P.

Novocol Chemical Mfg. Co., Inc., Brooklyn, N. Y. Tubes containing an anaesthetic. 224,090; renewed Feb. 15, 1947. O. G. Apr. 22. Class 44.

Ortmeyer, Armin J., Tampa, Fla. Hope chests. 429,227; Apr. 22. Class 32.

Osker's Candy Shop: *See*—
 Kerman, Oscar.

Packing Products Company, New York, N. Y. Canned fish. 429,146; Apr. 22; Serial No. 494,702; published Feb. 4, 1947. Class 46.

Pecketts Co., The, Cincinnati, Ohio. Preparation comprising cereal and edible coloring matter intended to induce initial eating by poultry. 429,176; Apr. 22; Serial No. 502,319; published Feb. 4, 1947. Class 46.

Pelham Scientific Projects: *See*—
 Tyrrell, Erna.

Pillsbury Mills, Inc., Minneapolis, Minn. Wheat flour. 429,133; Apr. 22; Serial No. 487,574; published Jan. 14, 1947. Class 46.

Pocahontas Oil Company, The, to The Pocahontas Oil Corporation, Cleveland, Ohio. Gasoline. 209,073; renewed Feb. 16, 1946. O. G. Apr. 22. Class 15.

Pocahontas Oil Company, The, to The Pocahontas Oil Corporation, Cleveland, Ohio. Gasoline. 211,885; renewed Apr. 20, 1946. O. G. Apr. 22. Class 15.

Pocahontas Oil Corporation, The: *See*—
 Pocahontas Oil Company, The.

Polan Industries, Huntington, W. Va. Glass polishing compounds. 429,208; Apr. 22. Class 4.

Pulitzer Creations, Inc., New York, N. Y. Neckties. 429,235; Apr. 22. Class 39.

Reichman & Faust, to Cheramy, Inc., New York, N. Y. Perfume, toilet water, face powder, etc. 225,266; renewed Mar. 15, 1947. O. G. Apr. 22. Class 6.

Ridenour-Baker Mercantile Company, to Scrivner-Stevens Company, Oklahoma City, Okla. Roasted coffee, canned salmon and oysters; etc. 218,489; renewed Sept. 28, 1946. O. G. Apr. 22. Class 46.

Rissman, John, & Son, Chicago, Ill. Piece goods of rayon, wool, and cotton, etc. 429,200; Apr. 22. Class 42.

Ritter-Price Company, Stockton, Calif. Fresh deciduous fruits and vegetables, fresh melons, etc. 429,174; Apr. 22; Serial No. 501,601; published Jan. 21, 1947. Class 46.

Rival Packing Company, Chicago, Ill. Dog and cat food. 429,151; Apr. 22; Serial No. 496,471; published Jan. 14, 1947. Class 46.

Rocca, Leo, Inc., Washington, D. C. Combination desk and drawing table with integral seat. 429,224; Apr. 22. Class 32.

Roditi, D., & Sons, Inc., New York, N. Y. Vases, urns, dinnerware, etc. 429,154; Apr. 22; Serial No. 498,083; published Jan. 14, 1947. Class 30.

Roehr, Herbert W., to Kitchenette Apron Company, Milwaukee, Wis. Ladies' house aprons. 224,548; renewed Mar. 1, 1947. O. G. Apr. 22. Class 39.

Rosenthal Company, The: *See*—
 Sommer, Adolph.

Ryan Aeronautical Co., The, San Diego, Calif. Caskets. 429,191; Apr. 22; Serial No. 509,996; published Feb. 11, 1947. Class 2.

Sampsel, William A., doing business as Acrylic Plastic Laboratory, Los Angeles, Calif. Transparent mountings. 429,149; Apr. 22; Serial No. 496,405; published Jan. 21, 1947. Class 50.

Sanders, Eugene A., doing business as Sanders Pet Shop, Louisville, Ky. Dog food. 429,186; Apr. 22; Serial No. 507,600; published Feb. 4, 1947. Class 46.

Sanders Pet Shop: *See*—
 Sanders, Eugene A.

San Luis Distributing Co.: *See*—
 Madsen, Lee B.

Schoettle, Edwin J., Company, Philadelphia, Pa. Cardboard boxes. 225,243; renewed Mar. 15, 1947. O. G. Apr. 22. Class 2.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Arch supports. 429,189; Apr. 22; Serial No. 509,104; published Feb. 11, 1947. Class 44.

Schwalbe, Jacques, New York, N. Y. Pipes, pipe cases, cigarette and cigar holders, etc. 429,220–1; Apr. 22. Class 8.

Scrivner-Stevens Company: *See*—
 Ridenour-Baker Mercantile Company.

Seamless Rubber Company, The, New Haven, Conn. Ice or hot water bags. 429,238; Apr. 22. Class 44.

Sears, Roebuck and Co., Chicago, Ill. Cemetery monuments. 429,142; Apr. 22; Serial No. 492,964; published Feb. 4, 1947. Class 50.

Shell Development Company, San Francisco, Calif. Electrical apparatus. 429,167; Apr. 22; Serial No. 500,252; published Feb. 4, 1947. Class 26.

Shelley, Inc., Los Angeles, Calif. Plastic cocktail receipt guide in the form of a miniature bar. 429,187; Apr. 22; Serial No. 508,444; published Feb. 4, 1947. Class 50.

Shelton, W. G., Co., Inc., assignor to Gaylord-Shelton, Inc., St. Louis, Mo. Kit comprising an apparatus for giving so-called permanent waves to the human hair, etc. 429,120; Apr. 22; Serial No. 466,335; published Apr. 11, 1944. Class 50.

Shipley's Bottling Works, Frederick, Mo. Ginger ale. 221,725; renewed Dec. 7, 1946. O. G. Apr. 22. Class 45.

Shush Laboratories, not Inc., to George S. Baker, Chicago, Ill. Wax compound. 220,643; renewed Nov. 16, 1946. O. G. Apr. 22. Class 6.

Silver-Troy Corp., Newark, N. J. Hand mirrors and wall mirrors. 429,212; Apr. 22. Class 32.

Smith Victory Corporation: *See*—
 Waltz, Hazel H.

Société Anonyme de la Bénédictine, Distillerie de la Liqueur de l'Ancienne Abbaye de Fécamp: *See*—
 Société Anonyme de la Distillerie de la Liqueur Bénédictine de l'Abbaye de Fécamp.

Société Anomyme de la Distillerie de la Liqueur Bénédictine de l'Abbaye de Fécamp, to Société Anonyme de la Bénédictine, Distillerie de la Liqueur de l'Ancienne Abbaye de Fécamp, Fecamp (Seine-Inferieur), France. Cordial. 55,719; re-renewed Aug. 21, 1946. O. G. Apr. 22. Class 49.

Société Anomyme de la Distillerie de la Liqueur Bénédictine de l'Abbaye de Fécamp, to Société Anonyme de la Bénédictine, Distillerie de la Liqueur de l'Ancienne Abbaye de Fécamp, Fecamp (Seine-Inferieur), France. Liqueur and cordial. 55,832; re-renewed Aug. 21, 1946. O. G. Apr. 22. Class 49.

Societe Anonyme des Caves et des Producteurs Reunis de Roquefort, Roquefort (Aveyron), France. Cheese. 25,285; re-renewed Oct. 2, 1944. O. G. Apr. 22. Class 46.

Sommer, Adolph, Cambridge, Mass., to The Rosenthal Company, New York, N. Y. Erasers or elastic compositions for erasing marks. 60,496; re-renewed Feb. 12, 1947. O. G. Apr. 22. Class 37.

Southern Foods Co.: *See*—
 Akin, W. L.

Splendor Limited, Nottingham, England. Waterproof sheets made of rubberized textile material. 429,172; Apr. 22; Serial No. 500,913; published Feb. 4, 1947. Class 42.

Spoto, James P., doing business as Northwestern Canning & Packing Co., Seffner, Fla. Fresh citrus fruits and fresh vegetables. 429,177; Apr. 22; Serial No. 502,540; published Jan. 28, 1947. Class 46.

Stark, Paul & Lloyd, Orchards, Louisiana, Mo. Apples. 224,718; renewed Mar. 1, 1947. O. G. Apr. 22. Class 46.

Sta-Warm Electric Company, The, Ravenna, Ohio. Electrically-heated apparatus. 429,234; Apr. 22. Class 21.

Sterling Drug Inc.: *See*—
 Bayer Company, Inc., The.

Sunbeam Corporation: *See*—
 Chicago Flexible Shaft Company.

Sylvania Industrial Corporation, Fredericksburg, Va., and New York, N. Y., assignor to American Viscose Corporation, Wilmington, Del. Tubing. 429,129; Apr. 22; Serial No. 485,668; published Jan. 28, 1947. Class 50.

Taylor, Taylor & Hobson Limited, Leicester, England. Photographic lenses. 429,161; Apr. 22; Serial No. 499,740; published Jan. 28, 1947. Class 26.

Terven, Lewis A., doing business as Lewis A. Terven Co., and Terven Products Co., Salinas, Calif. Fresh frozen and canned carrots. 429,209; Apr. 22. Class 46.

Terven, Lewis A., Co.: *See*—
 Terven, Lewis A.

Terven Products Co.: *See*—
 Terven, Lewis A.

Texsun Citrus Exchange: *See*—
 Texsun Packing Co.

Texsun Packing Co., Brownsville, to Texsun Citrus Exchange, Weslaco, Tex. Fresh grapefruit and oranges. 217,124; renewed Aug. 24, 1946. O. G. Apr. 22. Class 46.

Trimble Nurseryland Furniture, Inc., Rochester, N. Y. Infant's bath stands. 429,152; Apr. 22; Serial No. 496,527; published Jan. 14, 1947. Class 32.

Tyrrell, Erna, doing business as Pelham Scientific Projects, Pelham, N. Y. Toy chemical sets. 429,143; Apr. 22; Serial No. 493,574; published Feb. 11, 1947. Class 22.

Union Bag & Paper Company, The, to Union Bag & Paper Corporation, New York, N. Y. Wrapping paper, paper-boards, and paper bags. 61,120; re-renewed Mar. 5, 1947. O. G. Apr. 22. Classes 2 and 37.

Union Bag & Paper Company, The, to Union Bag & Paper Corporation, New York, N. Y. Wrapping-paper and paper boards. 61,121; renewed Mar. 5, 1947. O. G. Apr. 22. Class 37.

Union Bag & Paper Corporation: *See*—
 Union Bag & Paper Company, The.

Union Bag & Paper Corporation, New York, N. Y. Paper bags. 224,316; renewed Feb. 22, 1947. O. G. Apr. 22. Class 2.

Universal Ribbon Company, New York, N. Y. Ribbons in the piece and by the yard. 429,207; Apr. 22. Class 42.

Velcrest Company, The, Mansfield, Ohio. Complexion soap, medicated soap, and shaving soap. 222,694; renewed Jan. 4, 1947. O. G. Apr. 22. Class 4.

Venetian Briar Pipe Co., Brooklyn, N. Y. Smokers' pipes, and cigar and cigarette holders. 429,228; Apr. 22. Class 8.

Veralin, Inc., assignee: *See*—
 Consolidated Cosmetics.

Wallace Fruit Company: *See*—
 Wallace, J. W.

Wallace, J. W., doing business as Wallace Fruit Company, Edinburg, Tex. Fresh vegetables. 429,132; Apr. 22; Serial No. 487,537; published Jan. 21, 1947. Class 46.

Waltz, Hazel H., Oakland, Calif., to Smith Victory Corporation, Buffalo, N. Y. Hairpins. 223,548; renewed Feb. 8, 1947. O. G. Apr. 22. Class 40.

Wasa, A. B., Spisbrödsfabrik, Filipstad, Sweden. Bread. 429,173; Apr. 22; Serial No. 501,352; published Jan. 21, 1947. Class 46.

Waters, Horace, Piano Company, Inc., New York, N. Y. Pianos. 429,155; Apr. 22; Serial No. 498,190; published Jan. 14, 1947. Class 36.

Weber, Valentine, doing business as Electric Heat Control Apparatus Co., Newark, N. J. Ovens, incubators, water baths, etc. 429,153; Apr. 22; Serial No. 497,758; published Jan. 28, 1947. Class 26.

Weiner, Martin, New York, N. Y. Piece goods—to wit, rayon and nylon piece goods. 429,136; Apr. 22; Serial No. 488,840; published Aug. 13, 1946. Class 42.

Wentworth-Forman Co., Incorporated, Boston, Mass. Uniform caps. 429,229; Apr. 22. Class 39.

Westrex Corporation, New York, N. Y. Sound picture apparatus. 429,175; Apr. 22; Serial No. 502,173; published Feb. 4, 1947. Class 26.

White, H. N., Company, The, Cleveland, Ohio. Wind instruments. 429,232; Apr. 22. Class 36.

Whittier Mills, assignor to Whittier Mills Company, to Whittier Mills Company, Chattahoochee, Ga. Yarn. 56,330; re-renewed Sept. 11, 1946. O. G. Apr. 22. Class 43.

Whittier Mills Company, assignee: *See*—
 Whittier Mills.

Will & Baumer Candle Co., Inc., Syracuse, N. Y. Candles. 429,125; Apr. 22; Serial No. 480,398; published Jan. 21, 1947. Class 15.

Winthrop Chemical Company, Inc.: *See*—
 Metz, H. A., Laboratories, Inc.

Wishnick-Tumpeer Chemical Co., to Witco Chemical Company, Chicago, Ill. Rubber softeners. 217,397; renewed Aug. 31, 1946. O. G. Apr. 22. Class 6.

Witco Chemical Company: *See*—
 Wishnick-Tumpeer Chemical Co.

Yardstick, Inc., The: *See*—
 Green, Edwin M.

Young Brothers, to Young's Merchandising Corp., New York, N. Y. Hats. 55,488; re-renewed Aug. 14, 1946. O. G. Apr. 22. Class 39.

Young's Merchandising Corp.: *See*—
 Young Brothers.

Zausner Foods Inc., New York, N. Y. Cheese. 429,165; Apr. 22; Serial No. 499,981; published Jan. 14, 1947. Class 46.

Zylite Optical Co., Inc., New York, N. Y. Eyeglass frames. 429,180; Apr. 22; Serial No. 503,689; published Feb. 4, 1947. Class 26.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 2

Bags, Canvas. Lyson, Inc. 429,198; Apr. 22; Serial No. 514,207; published Feb. 11, 1947.

Bags, Paper. Union Bag & Paper Corporation. 224,316; renewed Feb. 22, 1947. O. G. Apr. 22.

Boxes, Cardboard. Edwin J. Schoettle Company. 225,243; renewed Mar. 15, 1947. O. G. Apr. 22.

Caskets. Ryan Aeronautical Co. 429,191; Apr. 22; Serial No. 509,996; published Feb. 11, 1947.

Sifters. Minerva Novelty, Inc. 429,140; Apr. 22; Serial No. 492,452; published Feb. 11, 1947.

CLASS 3

Saddles and saddletrees therefor. W. L. Newell. 429,188; Apr. 22; Serial No. 508,606; published Feb. 4, 1947.

Wallets, pocketbooks, and bill folds. Aristocrat Leather Products, Inc. 429,162; Apr. 22; Serial No. 499,750; published Feb. 4, 1947.

CLASS 4

Abrasive cloth and paper. Minnesota Mining & Manufacturing Company. 221,013–14; renewed Nov. 23, 1946. O. G. Apr. 22.

Chemical compound. W. K. Lepper. 222,061; renewed Dec. 21, 1946. O. G. Apr. 22.

Fluid for cleaning optical lenses. A. L. Fellman. 222,354; renewed Dec. 28, 1946. O. G. Apr. 22.

Polishing compounds, Glass. Polan Industries. 429,208; Apr. 22.

Soap, medicated soap, and shaving soap, Complexion. Velcrest Company. 222,694; renewed Jan. 4, 1947. O. G. Apr. 22.

CLASS 5

Adhesive for bonding cork, leather, linoleum, etc. H. J. Heribert. 429,156; Apr. 22; Serial No. 498,283; published Feb. 4, 1947.

Paste. A. S. Hoyte. 59,609; re-renewed Jan. 15, 1947. O. G. Apr. 22.

CLASS 6

Chemical, medicinal, and pharmaceutical preparations, Certain named. Associated Physicians Laboratories. 212,598; renewed May 11, 1946. O. G. Apr. 22.

Insecticides. Nitrate Agencies Company. 219,700; renewed Oct. 19, 1946. O. G. Apr. 22.

Insecticides, fungicides, rodenticides, etc. Bayer Company, Inc. 225,427; renewed Mar. 15, 1947. O. G. Apr. 22.

Iodine compound, Organic. H. A. Metz Laboratories, Inc. 224,955; renewed Mar. 8, 1947. O. G. Apr. 22.

Medicine to be used in the treatment of functional disorders. Mrs. Annie Elizabeth Murrmann. 216,711; renewed Aug. 17, 1946. O. G. Apr. 22.

Perfume, toilet water, face powder, etc. Reichman & Faust. 225,266; renewed Mar. 15, 1947. O. G. Apr. 22.

Perfumes and toilet waters. French Beauty Products Co., Inc. 220,850; renewed Nov. 16, 1946. O. G. Apr. 22.

Pill or powder, Laxative. Hance Brothers & White Inc. 215,110; renewed July 13, 1946. O. G. Apr. 22.

Softeners, Rubber. Wishnick-Tumpeer Chemical Co. 217,397; renewed Aug. 31, 1946. O. G. Apr. 22.

Wax compound. Shush Laboratories, not Inc. 220,643; renewed Nov. 16, 1946. O. G. Apr. 22.

CLASS 8

Pipes, and cigar and cigarette holders, Smokers'. Venetian Briar Pipe Co. 429,228; Apr. 22.

Pipes, pipe cases, cigarette and cigar holders, etc. J. Schwalbe. 429,220–1; Apr. 22.

CLASS 12

Roofing of all kinds, Prepared. Dependon Asphaltum Roofing Co. 221,159; renewed Nov. 23, 1947. O. G. Apr. 22.

Tile, Plain and enameled metal. Alloy Tile Co. 429,147; Apr. 22; Serial No. 495,125; published Feb. 4, 1947.

CLASS 13

Pipes, Cast-iron. Florence Pipe Foundry & Machine Co. 223,784; renewed Feb. 8, 1947. Apr. 22.

CLASS 14

Metal alloys, Bearing. National Lead Company. 429,164; Apr. 22; Serial No. 499,961; published Feb. 4, 1947.

Metal carbonides, and unfinished and partly finished parts, Powdered. DoAll Company. 429,124; Apr. 22; Serial No. 478,504; published Feb. 4, 1947.

Metal compositions, Sintered carbide hard. Firth Sterling Steel Company. 429,130; Apr. 22; Serial No. 485,906; published Feb. 4, 1947.

Metals, and calcium treated aluminum, copper, etc., Alloy. Academy Award Products, Inc. 429,168; Apr. 22; Serial No. 500,346; published Feb. 4, 1947.

Wire, rods, sheets, etc. Driver-Harris Company. 429,163; Apr. 22; Serial No. 499,771; published Feb. 4, 1947.

CLASS 15

Candles. Will & Baumer Candle Co., Inc. 429,125; Apr. 22; Serial No. 480,398; published Jan. 21, 1947.

Gasoline. Beacon Oil Company. 224,453; renewed Mar. 1, 1947. O. G. Apr. 22.

Gasoline. Pocahontas Oil Company. 209,073; renewed Feb. 16, 1946. O. G. Apr. 22.

Gasoline. Pocahontas Oil Company. 211,885; renewed Apr. 20, 1946. O. G. Apr. 22.

Oils and greases, Lubricating. General Petroleum Corporation of California. 221,231; renewed Nov. 23, 1947. O. G. Apr. 22.

CLASS 16

Lacquer solvent. Brown Paint Company, Incorporated. 429,237; Apr. 22.

CLASS 19

Parachutes, parachute packs, and parachute harness. Irving Airchute Company, Inc. 228,084; renewed May 24, 1947. O. G. Apr. 22.

CLASS 21

Electrically-heated apparatus. Sta-Warm Electric Company. 429,234; Apr. 22.

CLASS 22

Fishing plugs, fishing spinners, and fishing sinkers, etc. Consolidated Cosmetics. 429,196; Apr. 22; Serial No. 513,501; published Feb. 11, 1947.

Fishing reels. C. Gayle. 429,222; Apr. 22.

Fishing spoons and fishing spinners. Paul Bunyan Bait Company. 429,195; Apr. 22; Serial No. 511,959; published Feb. 11, 1947.

Toy blackboards and dart games, Combination. American Novelty Co., Inc. 429,204; Apr. 22.

Toy chemical sets. E. Tyrrell. 429,143; Apr. 22; Serial No. 493,574; published Feb. 11, 1947.

CLASS 23

Silverware, Imitation. International Silver Company. 58,889; re-renewed Dec. 25, 1946. O. G. Apr. 22.

Wheels, Toothed or gear. Stewart R. Browne Mfg. Co. Inc. 225,263; renewed Mar. 15, 1947. O. G. Apr. 22.

CLASS 26

Electrical apparatus. Shell Development Company. 429,167; Apr. 22; Serial No. 500,252; published Feb. 4, 1947.

Eyeglass frames. Zylite Optical Co., Inc. 429,180; Apr. 22; Serial No. 503,689; published Feb. 4, 1947.

Films, Photographic. Astra Photo Products, Inc. 429,179; Apr. 22; Serial No. 503,414; published Jan. 28, 1947.

Lenses, Photographic. Taylor, Taylor & Hobson Limited. 429,161; Apr. 22; Serial No. 499,740; published Jan. 28, 1947.

Ophthalmic mountings. American Zyloptic Company, Incorporated. 429,181; Apr. 22; Serial No. 503,785; published Feb. 4, 1947.

Ovens, incubators, water baths, etc. V. Weber. 429,153; Apr. 22; Serial No. 497,758; published Jan. 28, 1947.

Photographing paper, Sensitized. Grant Photo Products, Inc. 429,135; Apr. 22; Serial No. 488,754; published Jan. 28, 1947.

Printing kit, Photograph. HRH General Novelty Co., Inc. 429,185; Apr. 22; Serial No. 507,585; published Jan. 28, 1947.

Sound picture apparatus. Weatrex Corporation. 429,175; Apr. 22; Serial No. 502,173; published Feb. 4, 1947.

CLASS 27

Watches. D. Marden. 429,205; Apr. 22.

CLASS 28

Jewelry for personal wear (not including watches). Everfine Jewelry Mfg. Co. 429,236; Apr. 22.

Necklaces, bracelets, finger rings, earrings, etc. Coro, Inc. 429,214; Apr. 22.

CLASS 29

Puffs, Powder. Hollywood Powder Puff Co., Inc. 429,202; Apr. 22.

CLASS 30

Vases, dishes, flower holders, etc., Pottery and earthenware. Ariston, Incorporated. 429,160; Apr. 22; Serial No. 499,464; published Feb. 4, 1947.

Vases, urns, dinnerware, etc. D. Roditi & Sons, Inc. 429,154; Apr. 22; Serial No. 498,083; published Jan. 14, 1947.

CLASS 31

Refrigerators. H. Barkley Johnson. 429,192; Apr. 22; Serial No. 510,519; published Feb. 4, 1947.

CLASS 32

Cabinets, and filing cabinet drawers, Filing. Acme Visible Records, Inc. 429,219; Apr. 22.

Cabinets, Display. Biddle Purchasing Company. 429,211; Apr. 22.

Chests, Hope. A. J. Ortmeyer. 429,227; Apr. 22.

Desk and drawing table with integral seat, Combination. Leo Rocca, Inc. 429,224; Apr. 22.

Dressers, bureaus, highboys, etc. Mengel Company. 429,170; Apr. 22; Serial No. 500,682; published Jan. 28, 1947.

Furniture. Kent-Coffey Manufacturing Company. 429,217; Apr. 22.

Furniture, Domestic. M. S. Karp. 429,231; Apr. 22.

Hassocks. Ero Manufacturing Co. 429,184; Apr. 22; Serial No. 507,467; published Nov. 26, 1946.

Living room suites. Wm. Brenner Furniture Corp. 429,218; Apr. 22.

Mattresses. Boston Leather Specialties Co. 429,199; Apr. 22.

Mirrors and wall mirrors, Hand. Silver-Troy Corp. 429,212; Apr. 22.

Picture frames of plastic materials, and wood. Barrett Plastic Products, Inc. 429,131; Apr. 22; Serial No. 486,450; published Feb. 4, 1947.

Seats for use in households and offices. Warren McArthur Corporation. 429,148; Apr. 22; Serial No. 495,201; published Feb. 4, 1947.

Stands, Infant's bath. Trimble Nurseryland Furniture, Inc. 429,152; Apr. 22; Serial No. 496,527; published Jan. 14, 1947.

Stands, tables, and cabinets, etc., Merchandise display. Chicago Flexible Shaft Company. 429,134; Apr. 22; Serial No. 488,313; published Jan. 14, 1947.

CLASS 33

Crystals, Watch. A. M. Dutcher. 429,126; Apr. 22; Serial No. 482,925; published Feb. 4, 1947.

Glass beverage ware, dinnerware and glass cooking ware. R. Nagel. 429,145; Apr. 22; Serial No. 494,700; published Feb. 4, 1947.

Glass, Sheet and picture. Semon Bache & Company. 429,166; Apr. 22; Serial No. 499,985; published Feb. 4, 1947.

CLASS 34

Heating and ventilating and air conditioning units. L. D. Houlis. 429,121; Apr. 22; Serial No. 468,202; published Oct. 24, 1944.

Ovens, Baking. L. D. Houlis. 429,122; Apr. 22; Serial No. 468,203; published Oct. 24, 1944.

CLASS 35

Lining, rubber, balata, and leather belting, Brake. Anchor Packing Company. 224,948; renewed Mar. 8, 1947. O. G. Apr. 22.

Tubing, Flexible. Chicago, Tubing & Braiding Co. 49,516; re-renewed Feb. 6, 1946. O. G. Apr. 22.

CLASS 36

Fifes, flageolets, flutes, etc. Grossman Music Co. 429,233; Apr. 22.

Phonograph records, Mechanically grooved. Jay-Bee Recording Co. 429,215; Apr. 22.

Pianos. Horace Waters Piano Company, Inc. 429,155; Apr. 22; Serial No. 498,190; published Jan. 14, 1947.

Records and mechanically grooved tape recordings, Mechanically grooved phonograph. L. J. Arms. 429,141; Apr. 22; Serial No. 492,675; published Jan. 14, 1947.

Wind instruments. H. N. White Company. 429,232; Apr. 22.

CLASS 37

Erasers or elastic compositions for erasing marks. A. Sommer. 60,496; re-renewed Feb. 12, 1947. O. G. Apr. 22.

Paper and paper-boards, Wrapping. Union Bag & Paper Company. 61,121; re-renewed Mar. 5, 1947. O. G. Apr. 22.

Paper, paper-boards, and paper bags, Wrapping. Union Bag & Paper Company. 61,120; re-renewed Mar. 5, 1947. O. G. Apr. 22.

CLASS 38

Publication, Monthly. Irving-Cloud Publishing Company. 223,219; renewed Jan. 18, 1947. O. G. Apr. 22.

Saving certificates. Mutual System Company. 211,557; renewed Apr. 13, 1946. O. G. Apr. 22.

CLASS 39

Aprons, Ladies' house. H. W. Roehr. 224,548; renewed Mar. 1, 1947. O. G. Apr. 22.

Caps, Uniform. Wentworth-Forman Co., Incorporated. 429,229; Apr. 22.

Hats. Young Brothers. 55,488; re-renewed Aug. 1, 1946. O. G. Apr. 22.

Jackets, leather coats, woolen and leather combination jackets, etc., Men's and boys' leather. Leatherclad Inc. 429,213; Apr. 22.

Neckties. Ben Pulitzer Creations, Inc. 429,235; Apr. 22.

Shirts, sport shirts, military shirts, etc., Men's and young men's dress. Majer Company. 429,226; Apr. 22.

Shoes, Misses'. Carmo Shoe Manufacturing Company. 429,159; Apr. 22; Serial No. 498,684; published Jan. 14, 1947.

Suits, Children's knitted. Manchester Knitted Fashions, Inc. 429,210; Apr. 22.

Suits, overcoats, topcoats, etc., Men's and young men's. G. L. Grodberg. 429,206; Apr. 22.

CLASS 40

Hairpins. H. H. Waltz. 223,548; renewed Feb. 8, 1947. O. G. Apr. 22.

CLASS 42

All-silk piece goods dyed by a patented process. E. L. Maupai. 222,614; renewed Jan. 4, 1947. O. G. Apr. 22.

Blankets, Cotton. Beacon Manufacturing Company. 224,556; renewed Mar. 1, 1947. O. G. Apr. 22.

Piece goods and shirtings. Cluett, Peabody & Co., Inc. 429,183; Apr. 22; Serial No. 505,735; publication waived.

Piece goods of cotton, rayon, and mixtures. J. W. Glenn & Sons. 429,201; Apr. 22.

Piece goods of rayon, wool, and cotton, etc. John Rissman & Son. 429,200; Apr. 22.

Piece goods, to wit, rayon and nylon piece goods. M. Weiner. 429,136; Apr. 22; Serial No. 488,840; published Aug. 13, 1946.

Ribbons in the piece and by the yard. Universal Ribbon Company. 429,207; Apr. 22.

Rugs and carpets. G. V. Neff. 429,150; Apr. 22; Serial No. 496,456; published Jan. 28, 1947.

Sheetings, Cotton. E. M. Green. 53,629; re-renewed June 5, 1946. O. G. Apr. 22.

Sheets made of rubberized textile material, Waterproof. Splendor Limited. 429,172; Apr. 22; Serial No. 500,913; published Feb. 4, 1947.

Textile fabrics in the piece. Kemper Fabrics Co., Inc. 429,230; Apr. 22.

CLASS 43

Yarn. Whittier Mills. 56,330; re-renewed Sept. 11, 1946. O. G. Apr. 22.

Yarns and thread. Cynthia Mills. 225,542; renewed Mar. 22, 1947. O. G. Apr. 22.

CLASS 44

Electrosurgical and electromedical apparatus. Liebel-Flarsheim Co. 429,193; Apr. 22; Serial No. 510,709; published Feb. 11, 1947.

Electrosurgical and electromedical apparatus. Liebel-Flarsheim Co. 429,194; Apr. 22; Serial No. 510,963; published Feb. 11, 1947.

Flasks for use in dentistry and press assemblies. Amalgamated Dental Company, Limited. 429,144; Apr. 22; Serial No. 494,535; published Feb. 11, 1947.

Pads, Electrical heating. Casco Products Corporation. 429,197; Apr. 22; Serial No. 513,967; published Feb. 11, 1947.

Supports, Arch. Scholl Mfg. Co., Inc. 429,189; Apr. 22; Serial No. 509,104; published Feb. 11, 1947.

Tubes containing an anaesthetic. Novocol Chemical Mfg. Co., Inc. 224,090; renewed Feb. 15, 1947. O. G. Apr. 22.

Water bags, Ice or hot. Seamless Rubber Company. 429,238; Apr. 22.

CLASS 45

Ginger ale. Shipley's Bottling Works. 221,725; renewed Dec. 7, 1946. O. G. Apr. 22.

CLASS 46

Apples. Paul & Lloyd Stark Orchards. 224,718; renewed Mar. 1, 1947. O. G. Apr. 22.

Bacon, ham, picnics, sausage, and lard. Luer Bros. 223,705; renewed Feb. 8, 1947. O. G. Apr. 22.

Berries, Crushed. J. Jacobs. 429,216; Apr. 22.

Bread. A. B. Waso Spisbrödsfabrik. 429,173; Apr. 22; Serial No. 501,352; published Jan. 21, 1947.

Candies, salted, shelled, unshelled and glacé nuts, etc. M. J. Nicholas. 225,404; renewed Mar. 15, 1947. O. G. Apr. 22.

Candy. B. J. Bowlby. 429,158; Apr. 22; Serial No. 498,580; published Jan. 14, 1947.

Candy, chocolate and gift baskets. O. Kerman. 429,123; Apr. 22; Serial No. 478,005; published Jan. 14, 1947.

Canned fish. Packing Products Company. 429,146; Apr. 22; Serial No. 494,702; published Feb. 4, 1947.

Canned grapefruit juice and canned vegetables. W. L. Akin. 429,139; Apr. 22; Serial No. 491,787; published Feb. 4, 1947.

Canned sardines. Max Ams Incorporated. 429,178; Apr. 22; Serial No. 502,870; published Jan. 14, 1947.

Cheese. Societe Anonyme des Caves et des Producteurs Reunis de Roquefort. 25,285; re-renewed Oct. 2, 1944. O. G. Apr. 22.

Cheese. Zausner Foods Inc. 429,165; Apr. 22; Serial No. 499,981; published Jan. 14, 1947.

Chicken in jars, Roast. Cooked Food Products Corp. 429,138; Apr. 22; Serial No. 490,929; published Jan. 14, 1947.

Coffee. Great Atlantic & Pacific Tea Co. 225,007; renewed Mar. 8, 1947. O. G. Apr. 22.

Coffee, canned salmon and oysters; etc., Roasted. Ridenour-Baker Mercantile Company. 218,489; renewed Sept. 28, 1946. O. G. Apr. 22.

Dates, Fresh and candied. Deglet Noor Date Growers Association. 224,628; renewed Mar. 1, 1947. O. G. Apr. 22.

Flavoring for foods. David Michael & Co. 429,171; Apr. 22; Serial No. 500,815; published Jan. 21, 1947.

Flour, Wheat. Pillsbury Mills, Inc. 429,133; Apr. 22; Serial No. 487,574; published Jan. 14, 1947.

Food, Dog. E. A. Sanders. 429,186; Apr. 22; Serial No. 507,600; published Feb. 4, 1947.

Food, Dog and cat. Rival Packing Company. 429,151; Apr. 22; Serial No. 496,471; published Jan. 14, 1947.

Food preparation consisting of grated coconut with added sugar, rice flour, salt, etc. Island Specialty Co. 429,128; Apr. 22; Serial No. 485,447; published Jan. 14, 1947.

Frozen and canned carrots, Fresh. L. A. Terven. 429,209; Apr. 22.

Frozen and canned vegetables and canned tomato juice. East Pembroke Canning Co. 429,223; Apr. 22.

Fruits, and fresh vegetables, Fresh citrus. J. P. Spoto. 429,177; Apr. 22; Serial No. 502,540; published Jan. 28, 1947.

Fruits and vegetables, fresh melons, etc., Fresh deciduous. Ritter-Price Company. 429,174; Apr. 22; Serial No. 501,601; published Jan. 21, 1947.

Grapefruit and oranges, Fresh. Texsun Packing Co. 217,124; renewed Aug. 24, 1946. O. G. Apr. 22.

Ham and bacon. George Kern, Inc. 221,804; renewed Dec. 14, 1946. O. G. Apr. 22.

Juice cocktail, Tomato. College Inn Food Products Company. 429,157; Apr. 22; Serial No. 498,398; published Jan. 14, 1947.

Pepper, Dry sweet. Chili Products Corporation. 209,079; renewed Feb. 16, 1946. O. G. Apr. 22.

Potatoes in their natural state. Atlantic Commission Company, Inc. 222,498; renewed Jan. 4, 1947. O. G. Apr. 22.

Poultry and stock feeds. Andersen-Smith & Hamilton Incorporated. 219,500–1; renewed Oct. 19, 1946. O. G. Apr. 22.

Preparation comprising cereal and edible coloring matter intended to induce initial eating by poultry. Pecketts Co. 429,176; Apr. 22; Serial No. 502,319; published Feb. 4, 1947.

Prepared mix for making devil's food cake. P. Duff & Sons, Inc. 429,127; Apr. 22; Serial No. 484,620; published Jan. 14, 1947.

Salad oil and cooking oil. Italian Cook Oil Corp. 429,203; Apr. 22.

Seasonings for meat, sea food and other food products. G. C. Brunn. 429,137; Apr. 22; Serial No. 489,201; published Feb. 4, 1947.

Vegetable oils. P. De Marinis-Ambriola Company. 221,806; renewed Dec. 14, 1946. O. G. Apr. 22.

Vegetables, Fresh. L. B. Madsen. 429,182; Apr. 22; Serial No. 504,054; published Feb. 4, 1947.

Vegetables, Fresh. J. W. Wallace. 429,132; Apr. 22; Serial No. 487,537; published Jan. 21, 1947.

CLASS 49

Cordial. Société Anonyme de la Distillerie de la Liqueur Bénédictine de l'Abbaye de Fécamp. 55,719; re-renewed Aug. 21, 1946. O. G. Apr. 22.

Liqueur and cordial. Société Anonyme de la Distillerie de la Liqueur Bénédictine de l'Abbaye de Fécamp. 55,832; re-renewed Aug. 21, 1946. O. G. Apr. 22.

CLASS 50

Air-tight material, Impregnated. Food Flavour Preservation Process Limited. 215,594; renewed July 20, 1946. O. G. Apr. 22.

Banners and pennants. Elano Products. 429,225; Apr. 22.

Bottle caps, mouse traps, fly swatters, etc., Metal and plastic. Consolidated Cosmetics. 429,169; Apr. 22; Serial No. 500,607; published Feb. 4, 1947.

Cocktail recipe guide in the form of a miniature bar, Plastic. Shelley, Inc. 429,187; Apr. 22; Serial No. 508,444; published Feb. 4, 1947.

Kit comprising an apparatus for giving so-called permanent waves to the human hair, etc. W. G. Shelton Co. 429,120; Apr. 22; Serial No. 466,335; published Apr. 11, 1944.

Monuments, Cemetery. Sears, Roebuck and Co. 429,142; Apr. 22; Serial No. 492,964; published Feb. 4, 1947.

Mountings, Transparent. W. A. Sampsel. 429,149; Apr. 22; Serial No. 496,405; published Jan. 21, 1947.

Printing plates, Photo-engraved. American Photo-Engraving Co. 429,190; Apr. 22; Serial No. 509,319; published Jan. 14, 1947.

Tubing. Sylvania Industrial Corporation. 429,129; Apr. 22; Serial No. 485,668; published Jan. 28, 1947.

LIST OF DESIGN PATENTEES

Aquilino, Antonio, Providence, R. I. Brooch. 146,635; Apr. 22.
Armour Research Foundation, assignee: *See—*
  Nichols, Wendfrey C.
Ayres, Francis L.: *See—*
  Fossum, Erling G., and Ayres.
Baubie, Rex O., and V. J. McKendry, assignors to Florida Rod and Manufacturing Co., Detroit, Mich. Fishing rod handle. 146,636; Apr. 22.
Bendix Aviation Corporation, assignee: *See—*
  Burton, Frank C.
Brown, Alexander P., Beechhurst, Long Island, N. Y. Piano or similar article. 146,637; Apr. 22.
Brown, Alexander P., Beechhurst, Long Island, N. Y. Piano or similar article. 146,638; Apr. 22.
Brown, Alexander P., Beechhurst, Long Island, N. Y. Piano or similar article. 146,639; Apr. 22.
Budlong, Robert D., Skokie, Ill., assignor to Zenith Radio Corporation. Radio cabinet. 146,640; Apr. 22.
Burton, Frank C., Grand Rapids, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind. Radio cabinet or the like. 146,641; Apr. 22.
Cain, Thelma: *See—*
  Mason, Roslyn S., and Cain.
Crawford, John R., Los Angeles, Calif. Lamp standard. 146,642; Apr. 22.
Davis, Gladys R., New York, N. Y. Scarf or similar article. 146,643; Apr. 22.
Davis, Gladys R., New York, N. Y. Textile fabric. 146,644; Apr. 22.
Donalson, Joseph E., Kansas City, Mo. Vehicle. 146,645; Apr. 22.
Federal Telephone and Radio Corporation, assignee: *See—*
  Kniep, Louis, Jr.
Florida Rod and Manufacturing Co., assignee: *See—*
  Baubie, Rex C., and McKendry.
Fossum, Erling G., assignor to Stewart-Warner Corporation, Chicago, Ill. Oil bar. 146,647; Apr. 22.
Fossum, Erling G., assignor to Stewart-Warner Corporation, Chicago, Ill. Dispensing unit for an oil bar. 146,648; Apr. 22.
Fossum, Erling G., and F. L. Ayres, assignor to Stewart-Warner Corporation, Chicago, Ill. Oil bar. 146,646; Apr. 22.
Gaige, Richard T., assignor to Volupte, Inc., New York, N. Y. Vanity case or similar article. 146,649; Apr. 22.
Gaige, Richard T., assignor to Volupte, Inc., New York, N. Y. Vanity case or similar article. 146,650; Apr. 22.
Gargano, Frank J., Providence, R. I. Brooch. 146,651; Apr. 22.
Gargano, Frank J., Providence, R. I. Brooch. 146,652; Apr. 22.
Gargano, Frank J., Providence, R. I. Brooch. 146,653; Apr. 22.
Grey Iron Casting Company, assignee: *See—*
  Schmidt, Samuel S.
Groshong, Edith B., Eureka, Calif. Doll. 146,654; Apr. 22.
Hamilton, Kenneth C., assignor to Milwaukee Lace Paper Company, Milwaukee, Wis. Place mat or similar article. 146,655; Apr. 22.
Hamilton, Rufus W., Jr., and J. L. King, Wilmington, Calif. Inkwell. 146,656; Apr. 22.
Helsley, Virginia, New York, N. Y. Tablecloth or similar article. 146,657; Apr. 22.
Hunt, Robert O.: *See—*
  McManus, Joseph D., and Hunt.
Imperial Pearl Co., Inc., assignee: *See—*
  Pearsall, Frederick J.
Jacobsen, Virginia J., San Diego, Calif. Clothespin. 146,658; Apr. 22.
Jaeger, Erich, La Falda, Argentina, assignor to O. F. Rien, Yeadon, Pa. Hydrocycle. 146,659; Apr. 22.
Jansen, Norma E., Oakland, Calif. Brooch or similar article. 146,660; Apr. 22.
Jansen, Norma E., Oakland, Calif. Figurine. 146,661; Apr. 22.
Jay-Lip Corporation, assignee: *See—*
  Lippman, Aaron H.
King, James L.: *See—*
  Hamilton, Rufus W., and King.
Kleven, Samuel L., Augusta, Maine. Shoe or similar article. 146,662; Apr. 22.
Kleven, Samuel L., Augusta, Maine. Shoe or similar article. 146,663; Apr. 22.
Kniep, Louis, Jr., East Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Radio receiver. 146,664; Apr. 22.
Leber, Benjamin F., assignor to Sears, Roebuck and Co., Chicago, Ill. Frame for playground equipment. 146,665; Apr. 22.
Levoy, Monroe B., New York, N. Y. Spectacle frame. 146,666; Apr. 22.
Levy, Samuel, assignee: *See—*
  Southwick, Worthington H.
Lippman, Aaron H., assignor to Jay-Lip Corporation, Jamestown, N. Y. Envelope moistener. 146,667; Apr. 22.
MacDonald, Ralph L., Niagara Falls, N. Y. Book-end. 146,668; Apr. 22.
Madsen, John S., New York, N. Y. Tablecloth or similar article. 146,669; Apr. 22.
Magnelli, Joseph J., and L. Mone, Columbus, Ohio. Tray for smoking pipes. 146,670; Apr. 22.
Mason, Roslyn S., and T. Cain, Great Neck, N. Y. Pin or similar article. 146,671; Apr. 22.
Matzner, Simon, New York, N. Y. Lamp stand. 146,672; Apr. 22.
May, Robert A., Merion, Pa., assignor to B. Mayer, New York, N. Y. Case for a camera. 146,673; Apr. 22.
Mayer, Bruno: *See—*
  May, Robert A.
McKendry, Virgil J.: *See—*
  Baubie, Rex O., and McKendry.
McManus, Joseph D., Hempfield Township, Westmoreland County, and R. O. Hunt, Greensburg, Pa., assignors to Walworth Patents Inc., Boston, Mass. Valve handwheel. 146,674; Apr. 22.
Milwaukee Lace Paper Company, assignee: *See—*
  Hamilton, Kenneth C.
Mone, Louis: *See—*
  Magnelli, Joseph J., and Mone.
Nichols, Wendfrey C., assignor to Armour Research Foundation, Chicago, Ill. Magnetic recorder or similar article. 146,675; Apr. 22.
Palmer, William C., Clinton, N. Y. Textile fabric. 146,676; Apr. 22.
Palmer, William C., Clinton, N. Y. Textile fabric. 146,677; Apr. 22.
Pearsall, Frederick J., Clayville, assignor to Imperial Pearl Co., Inc., Providence, R. I. Lapel pin. 146,678; Apr. 22.
Pearsall, Frederick J., Clayville, assignor to Imperial Pearl Co., Inc., Providence, R. I. Lapel pin. 146,679; Apr. 22.
Peirce, Waldo, Pomona, N. Y. Textile fabric. 146,680; Apr. 22.
Peirce, Waldo, Pomona, N. Y. Textile fabric. 146,681; Apr. 22.
Quality Appliances, Inc., assignee: *See—*
  Snyder, Leland H.
Rien, Otto F., assignee: *See—*
  Jaeger, Erich.
Rockola, David C., assignor, by mesne assignments, to Rock-Ola Manufacturing Corporation, Chicago, Ill. Cabinet for sound reproducing apparatus. 146,682; Apr. 22.
Rock-Ola Manufacturing Corporation, assignee: *See—*
  Rockola, David C.
Roeder, Harold, Milton, Mass. Roof light for motor vehicles. 146,683; Apr. 22.
Ross, Walter C., Belleville, Ill. Table. 146,684; Apr. 22.
Rubin, Herbert, New York, N. Y. Lamp. 146,685; Apr. 22.
Rubin, Herbert, New York, N. Y. Lamp. 146,686; Apr. 22.
Schmidt, Samuel S., York, assignor to Grey Iron Casting Company, Mount Joy, Pa. Tray or similar article. 146,687; Apr. 22.
Sears, Roebuck and Co., assignee: *See—*
  Leber, Benjamin F.
Snyder, Leland H., assignor, by mesne assignments, to Quality Appliances, Inc., Chicago, Ill. Handle for coffee pots or the like. 146,688; Apr. 22.
Southwick, Worthington H., New York, assignor to S. Levy, Brooklyn, N. Y. Plastic film material. 146,689; Apr. 22.
Southwick, Worthington H., New York, assignor to S. Levy, Brooklyn, N. Y. Plastic film material. 146,690; Apr. 22.
Southwick, Worthington H., New York, assignor to S. Levy, Brooklyn, N. Y. Plastic film material. 146,691; Apr. 22.
Stewart-Warner Corporation, assignee: *See—*
  Fossum, Erling G., and Ayres.
Stokes, Izetta, Belmont, Calif. Doll. 146,692; Apr. 22.
Takata, Marty, Belton, Tex. Buckle. 146,693; Apr. 22.
Volupte, Inc., assignee: *See—*
  Gaige, Richard T.
Walworth Patents Inc., assignee: *See—*
  McManus, Joseph D., and Hunt.
Wilde, Hans W., North Bergen, N. J. Textile fabric. 146,694; Apr. 22.
Zenith Radio Corporation, assignee: *See—*
  Budlong, Robert D.
Zepp, William J., Yorktown Village, Md. Combination child's vehicle and parcel carrier. 146,695; Apr. 22.
Zimet, Ernest, New York, N. Y. Ear clip or similar article. 146,696; Apr. 22.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 22D DAY OF APRIL, 1947

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

- Adams, Frederic H.: *See*—
  - Conn, Robert C., Adams, and Goulding.
- Air Reduction Company, Incorporated, assignee: *See*—
  - Metzger, Floyd J.
  - Tollefson, Richard C.
- Air-Way Electric Appliance Corporation, assignee: *See*—
  - Fraser, Malcolm W.
- Aktiengesellschaft Fuer Technische Studien, assignee: *See*—
  - Ruegg, Rudolf.
- Allen, Earle F., Wellesley Hills, and L. M. Burrows, North Quincy, Mass., assignors to Manning, Maxwell & Moore, Incorporated, New York, N. Y. Making valves. 2,419,243; Apr. 22.
- Aller, Willis F., assignor to The Sheffield Corporation, Dayton, Ohio. Comparator gauge. 2,419,433; Apr. 22.
- Allied Chemical & Dye Corporation, assignee: *See*—
  - Waldron, John W.
- American Can Company, assignee: *See*—
  - Millelot, Paul W., Jr.
- American Cyanamid Company, assignee: *See*—
  - Conn, Robert C., Adams, and Goulding.
  - Northey, Elmore H., and Hultquist.
- American Steel and Wire Company, The, assignee: *See*—
  - Cress, Howard S.
- Ames, Frank C., Detroit, Mich. Preventing deterioration of electrodes in heat-treating. 2,419,383; Apr. 22.
- Anderson, Gustave A., assignor to Rite-Way Products Co., Chicago, Ill. Sterilizing rack. 2,419,191; Apr. 22.
- Anderson, Helmer, Minneapolis, Minn., assignor to General Mills, Inc. Compacting flour in bags. 2,419,330; Apr. 22.
- Anderson, Hugh E.: *See*—
  - Watson, John H., Anderson, and Angel.
- Anderson, William M., Minneapolis, Minn., assignor of one-fourth to O. W. Giese, Washington, D. C., and one-fourth to M. H. Graham, St. Louis Park, Minn. Piston and cylinder construction. 2,419,192; Apr. 22.
- Angel, Edward R.: *See*—
  - Watson, John H., Anderson, and Angel.
- Anglo-Iranian Oil Company, Limited, assignee: *See*—
  - Birch, Stanley F., and Lowry.
- Anthony, Herman R. C., Madison, Wis., assignor to Ray-O-Vac Company. Manufacturing dry cells. 2,419,244; Apr. 22.
- Aro Equipment Corporation, The, assignee: *See*—
  - Johnson, James P.
- Arveson, Maurice H., Flossmoor, assignor to Standard Oil Company, Chicago, Ill. Regenerating carbon contaminated catalysts. 2,419,245; Apr. 22.
- Atlantic Coast Fisheries Company, The, assignee: *See*—
  - Savrda, Charles M., and Hunt.
- Attorney General of the United States, vested in the: *See*—
  - Schlumberger, Marcel.
- Atwell, Harold V.: *See*—
  - Sensel, Eugene E., Atwell, and Goldsby.
- Ault, John D., assignor of 51 per cent to E. E. Wilson, Bakersfield, Calif. Fluid power wheel. 2,419,384; Apr. 22.
- Austin, Ellsworth W., assignor to La Plant-Choate Manufacturing Co., Inc., Cedar Rapids, Iowa. Vehicle for exploding land mines and for tamping ground. 2,419,308; Apr. 22.
- Automatic Electric Laboratories, Inc., assignee: *See*—
  - Ostline, John E.
- Axe, William N.: *See*—
  - Schulze, Walter A., and Axe.
- Barcus, George L., Drexel Hill, and A. C. Boisseau, Lansdowne, Pa., assignors to General Electric Company. Electric circuit interrupter. 2,419,434; Apr. 22.
- Barr, Courtland H., Glenolden, Pa., assignor, by mesne assignments, to Essdee Patents, Inc. Sealing machine. 2,419,475; Apr. 22.
- Bartelink, Everhard H. B., West Milton, N. Y., assignor to General Electric Company. Communication system. 2,419,193; Apr. 22.
- Barton, Louis E., Windsor, Conn. Making lead pigments. 2,419,246; Apr. 22.
- Barwell, Allen C., Kennett Square, Pa., assignor to Hercules Powder Company, Wilmington, Del. Protein-resin bonded sheet abrasive. 2,419,194; Apr. 22.
- Bates, Tillie, assignee, et al.: *See*—
  - Long, Ralph M.
- Bedford, Burnice D., Schenectady, N. Y., assignor to General Electric Company. Electric valve circuits. 2,419,465; Apr. 22.
- Begun, Semi J., Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Apparatus and method for magnetic recording. 2,419,195; Apr. 22.
- Begun, Semi J., Cleveland Heights, assignor to Magnetone, Inc., Cleveland, Ohio. Winding control means for magnetic recording and reproducing apparatus. 2,419,476; Apr. 22.
- Behr Siegfried, Flushing, N. Y. Garment hanger. 2,419,435; Apr. 22.
- Beier, Kurt A., assignor to Schwitzer-Cummins Company, Indianapolis, Ind. Flexible seal. 2,419,385; Apr. 22.
- Belchetz, Arnold, Larchmont, N. Y., assignor to Stauffer Chemical Company. Sulphur production. 2,419,309; Apr. 22.
- Belchetz, Arnold, Larchmont, N. Y., assignor to Stauffer Chemical Company. Sulphur production. 2,419,310; Apr. 22.
- Bell Telephone Laboratories, Incorporated, assignee: *See*—
  - Crump, Elmo E., and Kersta.
  - Edwards, Paul G.
  - Feldman, Carl B. H.
  - Frantz, Glenn R., and Pomeroy.
  - Peterson, Eugene.
  - Trenting, Robert G.
- Bendix Aviation Corporation, assignee: *See*—
  - Christiansen, William J.
  - Gartner, John.
  - Gilbert, Samuel.
- Bendix-Westinghouse Automotive Air Brake Company, assignee: *See*—
  - Eaton, Wilfred A.
- Benioff, Hugo, La Canada, Calif., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Electroacoustic transducer. 2,419,196; Apr. 22.
- Benioff, Hugo, La Canada, Calif., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Electroacoustic transducer. 2,419,197; Apr. 22.
- Berg, Conrad S. J., Nossebro, Sweden. Air nozzle. 2,419,386; Apr. 22.
- Best, Ernest, Fredonia, N. Y. Tractor grape hoe. 2,419,331; Apr. 22.
- Bierer, John M., Waban, assignor to Boston Woven Hose and Rubber Company, Cambridge, Mass. Shoe sole. 2,419,387; Apr. 22.
- Bigué, Emile B., Los Angeles, Calif. Antenna. 2,419,311; Apr. 22.
- Binder, Thomas W., Maplewood, N. J. Air conditioning. 2,419,477; Apr. 22.
- Birch, Stanley F., and R. A. Lowry, Sunbury-on-Thames, assignors to Anglo-Iranian Oil Company, Limited, London, England. Recovery of hemimellitene. 2,419,247; Apr. 22.
- Blackburn Aircraft Limited, assignee: *See*—
  - Hall, Eric V.
- Blanchard, Lloyd H., Worcester, Mass. Fitting teeth. 2,419,248; Apr. 22.
- Blomberg, Knut H., Appelviken, and R. Å. G. Lysell, Midsommarkransen, assignors to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Telephone handset. 2,419,388; Apr. 22.
- Bloom, Albert, Clinton, N. J., and V. Niederl, Brooklyn, N. Y., assignors to Reed & Carnrick, Jersey City, N. J. Dialkyl-dihydroxy-diphenyl-hexadienes and their derivatives. 2,419,516; Apr. 22.
- Boho, Mitchell J., Brentwood, assignor to J. M. Hopwood, Mount Lebanon, Pa. Coal feed and air flow regulating system for coal pulverizing mills. 2,419,486; Apr. 22.
- Boisseau, Alexander C.: *See*—
  - Barcus, George L., and Boisseau.
  - Gayer, John D., Frank, and Boisseau.
- Boston Woven Hose and Rubber Company, assignee: *See*—
  - Bierer, John M.
- Bouwers, Albert, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Apparatus for indirect X-ray photography. 2,419,478; Apr. 22.
- Bowen, Ray D., Los Angeles, Calif. Shoe of special construction. 2,419,479; Apr. 22.
- Bowman, Roy E., Blacksburg, Va. Dehydrohalogenating halogenated organic compounds. 2,419,198; Apr. 22.
- Bricout, Henri, assignor to Comptoir Linier, Paris, France. Safety device for looms. 2,419,437; Apr. 22.
- Bridges, Gerald G., Indianapolis, Ind. Clothes drying rack. 2,419,249; Apr. 22.
- Brus, Emile P., Kansas City, Mo. Renewable cartridge fuse. 2,419,250; Apr. 22.
- Brus, Emile P., Kansas City, Mo. Electric fuse. 2,419,251; Apr. 22.
- Brush Development Company, The, assignee: *See*—
  - Begun, Semi J.
- Bryan, Robert H., Oak Park, and T. L. Johnston, Wilmette, assignors to Stewart-Warner Corporation, Chicago, Ill. Loop antenna shield. 2,419,480; Apr. 22.

- Buffalo Brake Beam Company, assignee: *See*—
  - Busch, Charles R.
- Burckhalter, Joseph H., Detroit, A. L. Rawlins, Grosse Pointe Woods, F. H. Tendick, Grosse Pointe Park, E. M. Jones, Grosse Pointe Woods, and W. F. Holcomb, assignors to Parke, Davis & Company, Detroit, Mich. Quinoline compounds and making same. 2,419,199; Apr. 22.
- Burckhalter, Joseph H., Detroit, A. L. Rawlins, Grosse Pointe Woods, F. H. Tendick, Grosse Pointe Park, E. M. Jones, Grosse Pointe Woods, and W. F. Holcomb, assignors to Parke, Davis & Company, Detroit, Mich. Acridine compounds and making same. 2,419,200; Apr. 22.
- Burrows, Lewis M.: *See*—
  - Allen, Earle F., and Burrows.
- Busch, Charles R., Orange, N. J., assignor to Buffalo Brake Beam Company, New York, N. Y. Car brake head. 2,419,312; Apr. 22.
- Bychinsky, Wilfred A., Ann Arbor, J. T. Ford, Grand Blanc, and W. S. Kirk, Flint, assignors to General Motors Corporation, Detroit, Mich. Prevention of seizure of metal parts. 2,419,252; Apr. 22.
- Byrd, Edwin E., Midland, Tex., assignor to Standard Oil Development Company. Apparatus for preventing contamination of well liners. 2,419,313; Apr. 22.
- Cadous, Alexander, New York, N. Y. Making matched fabrics. 2,419,389; Apr. 22.
- Cahill, Lysle D., Shaker Heights, assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Lubricant. 2,419,253; Apr. 22.
- Canaday, William K., Memphis, Tenn. Airplane wing structure. 2,419,332; Apr. 22.
- Carbon, Harry B., assignor to The Parker Appliance Company, Cleveland, Ohio. Valve structure. 2,419,481; Apr. 22.
- Carnegie-Illinois Steel Corporation, assignee: *See*—
  - Gordon, Henry S.
  - Holman, Robert W., Myers, and Rendel.
- Carpentier, Melbourne L.: *See*—
  - Woolson, Harry T., and Carpentier.
- Carter Carburetor Corporation, assignee: *See*—
  - Korte, Alfred C.
- Celanese Corporation of America, assignee. *See*—
  - Moncrieff, Robert W., Sammons, and Wheatley.
- Chertok, Oscar, Brooklyn, N. Y. Open toe shoe cap construction. 2,419,390; Apr. 22.
- Chesapeake and Ohio Railway Company, The, assignee: *See*—
  - Newton, Carl E.
- Chesny, Heinz H.: *See*—
  - Elkington, Frank, and Chesny.
- Chicago Pneumatic Tool Company, assignee: *See*—
  - Maurer, Spencer B.
- Christiansen, William J., Teaneck, assignor to Bendix Aviation Corporation, Teterboro, N. J. Solenoid. 2,419,333; Apr. 22.
- Chrysler Corporation, assignee: *See*—
  - Woolson, Harry T., and Carpentier.
- Clark, John R., Stratford, assignor to United Aircraft Corporation, East Hartford, Conn. Telescoping-retracting hook for aircraft. 2,419,438; Apr. 22.
- Clayton, Andrew B., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Presser device for sewing machines. 2,419,482; Apr. 22.
- Cloutier, George D., assignor to Eversharp, Inc., Chicago, Ill. Fountain pen. 2,419,483; Apr. 22.
- Commercial Controls Corporation, assignee: *See*—
  - Ryan, Commodore D., and Drake.
- Commercial Solvents Corporation, assignee: *See*—
  - Senkus, Murray.
- Comptoir Linier, assignee: *See*—
  - Bricout, Henri.
- Conn, Robert C., and F. H. Adams, Bound Brook, and J. P. Goulding, Neshanic Station, N. J., assignors to American Cyanamid Company, New York, N. Y. Derivatives of amino-benzo-p-dioxans. 2,419,334; Apr. 22.
- Consolidated Water Power & Paper Company, assignee: *See*—
  - Fisher, Harry C.
- Cook, Ralph H., Ferndale, Mich. Cooling system for transformers. 2,419,439; Apr. 22.
- Cowen, Fred G.: *See*—
  - Pitre, Antonio S., Cowen, and Pouget.
- Craig, David, Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Purification of butadiene by extractive distillation with nitroparaffin solvents. 2,419,335; Apr. 22.
- Crary, Jay D., assignor to Paper Strap, Inc., Portland, Oreg. Corner fastening means for paperboard boxes, cartons, and the like. 2,419,391; Apr. 22.
- Cress, Howard S., Duluth, Minn., assignor to The American Steel and Wire Company of New Jersey. Oil burner. 2,419,336; Apr. 22.
- Crompton & Knowles Loom Works, assignee: *See*—
  - Payne, Oscar V.
- Crowley, John A., Jr.: *See*—
  - Simpson, Thomas P., Payne, and Crowley.
- Crown Cork & Seal Company, Inc., assignee: *See*—
  - Warth, Albin H., and Lidard.
- Crump, Elmo E., East Orange, and L. G. Kersta, Madison, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pulse generator. 2,419,201; Apr. 22.
- D'Alelio, Gaetano F., Pittsfield, Mass., assignor to General Electric Company. Interpolymerizing butadiene, styrene, and ethyl acrylate. 2,419,202; Apr. 22.
- Daniel, Jacob, Yonkers, M. Troster, Jr., New York, and N. W. Sederberg, Flushing, assignors to Otis Elevator Company, New York, N. Y. Protective apparatus for polyphase alternating current units. 2,419,269; Apr. 22.
- Danziger, Harold I., West Orange, N. J. Condenser assembling machine. 2,419,484; Apr. 22.
- Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Buffer. 2,419,254; Apr. 22.
- Deauville, Fred: *See*—
  - Miller, Dallas A., and Deauville.
- Deere & Company, assignee: *See*—
  - Silver, Walter H.
- Delamere, Rudolf D., Toronto, Ontario, Canada. Time-delay device for actuating valves and the like. 2,419,337; Apr. 22.
- Delmonte, John, Glendale, assignor of ten per cent to E. F. Lougee, La Canada, Calif., and sixty-five per cent to Hemphill Company. Low-pressure laminate. 2,419,440; Apr. 22.
- Dely, Joseph G., Queens Village, N. Y., assignor to Tennessee Valley Authority. Making a carbon monoxide oxidation catalyst. 2,419,255; Apr. 22.
- De Marco, Joseph C., St. Paul, Minn. Portable paint applying device. 2,419,338; Apr. 22.
- Dennis, Robert N., Pelham Manor, N. Y. Transparent picture viewer. 2,419,339; Apr. 22.
- De Roda, Nicanor P., Somerville, N. J. Kite. 2,419,441; Apr. 22.
- Desch, Joseph R., Oakwood, and R. E. Mumma, assignor to The National Cash Register Company, Dayton, Ohio. Electronic device. 2,419,485; Apr. 22.
- Detling, Kenneth D.: *See*—
  - Peterson, Walter H., and Detling.
- Devine, J. E., assignee, et al.: *See*—
  - Ellis, Clarence M.
- Dixon, Lewis M., Sea Cliff, N. Y. Drape fixture. 2,419,486; Apr. 22.
- Donald, John M., Birmingham, England. Hand truck for handling barrels. 2,419,314; Apr. 22.
- Doniak, Michael, Lynwood, Calif. Drive unit. 2,419,392; Apr. 22.
- Dorn, Herman W., Toledo, Ohio, assignor to International Minerals & Chemical Corporation. Manufacture of salts of glutamic acid. 2,419,256; Apr. 22.
- Dorsey, Claude E., Jr., Elba, Ala. Logging trailer. 2,419,442; Apr. 22.
- Doyle, Francis J., Boston, Mass. Fire nozzle control clamp. 2,419,393; Apr. 22.
- Drake, Edward P.: *See*—
  - Ryan, Commodore D., and Drake.
- Dresser, Willis R., Long Hill, Conn., assignor to Kenyon Instrument Co., Inc., Huntington Station, Long Island, N. Y. Remote-control metering system. 2,419,487; Apr. 22.
- Du Pont, E. I., de Nemours & Company, assignee: *See*—
  - Hartsfield, Ernest P., and Richmond.
  - Klein, David X.
  - Noble, Max V.
- Dutcher, Harris A., Borger, Tex., assignor to Phillips Petroleum Company. Production of monochloro derivatives of unsaturated nitriles. 2,419,488; Apr. 22.
- Eastman Kodak Company, assignee: *See*—
  - Kenyon, William O., and Van Campen.
- Easton, Allan, Long Island City, N. Y., assignor to Emerson Radio and Phonograph Corporation. Pulse widening circuits. 2,419,340; Apr. 22.
- Eastwood, Sylvander C., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Conversion of hydrocarbons. 2,419,517; Apr. 22.
- Eaton, Wilfred A., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Fluid pressure control system. 2,419,443; Apr. 22.
- Eckhard, William K.: *See*—
  - Horton, Albert J., and Eckhard.
- Edelstein, Sidney M., Elizabeth, N. J. Dissolving cellulose. 2,419,341; Apr. 22.
- Edson, Kenneth C., Los Angeles, Calif., and F. E. Fisher, Pawhuska, assignors to Skelly Oil Company, Tulsa, Okla. Catalysts for hydrocarbon conversion. 2,419,342; Apr. 22.
- Edson, Kenneth C., and F. E. Fisher, Pawhuska, assignors to Skelly Oil Company, Tulsa, Okla. Preparing catalysts. 2,419,343; Apr. 22.
- Edwards, Paul G., Verona, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Plotting board. 2,419,203; Apr. 22.
- Eggleston, Erryl G., South Gate, Calif. Portable barbecue. 2,419,344; Apr. 22.
- Egry Register Co., The, assignee: *See*—
  - Ritzert, Robert W.
- Eichinger, Philippe E. H., Woodbridge, N. J., assignor to General Cable Corporation, New York, N. Y. Stop mechanism. 2,419,518; Apr. 22.
- Eliot, Samuel, Newton, Mass. Motor vehicle snow plow. 2,419,489; Apr. 22.
- Elkington, Frank, Sheffield, and H. H. Chesny, Worksop, England. Production of concentrated slurries of magnesium hydroxide. 2,419,204; Apr. 22.

Elliott, Harmon P., Watertown, Mass. Addressing machine and sheet feeding means therefor. 2,419,345; Apr. 22.
Elliott, Harry E., Los Angeles, Calif., assignor to Hughes Tool Company, Houston, Tex. Flexible chute. 2,419,315; Apr. 22.
Ellis, Clarence M., assignor of one-third to J. E. Devine and one-third to J. M. Prentice, Lodi, Calif. Load spacing assembly. 2,419,346; Apr. 22.
Emerson Radio and Phonograph Corporation, assignee: *See—*
    Easton, Allan.
Engemann, Herbert H., Cleveland Heights, Ohio. Anti-crashing device for automatic push rods. 2,419,316; Apr. 22.
Erhard, Fred A., El Paso, Tex. Theater program schedule indicator. 2,419,394; Apr. 22.
Essdee Patents, Inc., assignee: *See—*
    Barr, Courtland H.
Evans, Edmond W., Bartlesville, Okla., assignor to Phillips Petroleum Company. Slip gage. 2,419,257; Aug. 22.
Evans, Louis P., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Conversion of hydrocarbons. 2,419,519; Apr. 22.
Eversharp, Inc., assignee: *See—*
    Cloutier, George D.
Federal Laboratories, Inc., assignee: *See—*
    Weinert, Carl R.
Feldman, Carl B. H., Rumson, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Directive antenna system. 2,419,205; Apr. 22.
Field, Oscar S., assignor to General Railway Signal Company, Rochester, N. Y. Electric circuit for polarized compound electromagnet. 2,419,258; Apr. 22.
Field, Oscar S., assignor to General Railway Signal Company, Rochester, N. Y. Light signal for railroads. 2,419,444; Apr. 22.
Fisher, Frank E.: *See—*
    Edson, Kenneth C., and Fisher.
Fisher, Harry C., Cincinnati, Ohio, assignor, by mesne assignments, to Consolidated Water Power & Paper Company, Wisconsin Rapids, Wis. Control of gloss in printing. 2,419,206; Apr. 22.
Fisher, Harry C., Cincinnati, Ohio, assignor, by mesne assignments, to Consolidated Water Power & Paper Company, Wisconsin Rapids, Wis. Production of coated board and paper. 2,419,207; Apr. 22.
Fletcher, George W., San Francisco, Calif. Folding vehicle wheel. 2,419,445; Apr. 22.
Flurscheim, Cedric H., Bowdon, England, assignor to Metropolitan-Vickers Electrical Company Limited. Electric circuit breaker. 2,419,446; Apr. 22.
Folt, Vernon L., and F. W. Shaver, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Polymerization catalysts. 2,419,347; Apr. 22.
Foote, Alton G., Wickliffe, Ohio, assignor to General Electric Company. Electric lamp. 2,419,395; Apr. 22.
Ford, Jay T.: *See—*
    Bychinsky, Wilfred A., Ford, and Kirk.
Forman, Sylvan E., Baltimore, Md., assignor to U. S. Industrial Chemicals, Inc., New York, N. Y. Preparation of 5-diethylamino-2-pentanone. 2,419,259; Apr. 22.
Frank, Edward J.: *See—*
    Gayer, John D., Frank, and Boisseau.
Frantz, Glenn R., Port Washington, N. Y., and A. F. Pomeroy, Bernardsville, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Ultra high frequency wave meter. 2,419,208; Apr. 22.
Franzel, Richard M.: *See—*
    Kliever, Waldo H., and Franzel.
Fraser, Malcolm W., Maumee, assignor to Air-Way Electric Appliance Corporation, Toledo, Ohio. Convertible vacuum cleaner. 2,419,490; Apr. 22.
French Oil Mill Machinery Company, The, assignee: *See—*
    Stacy, Thomas F.
Friedheim, Ernst A. H., New York, N. Y. Arsenic compounds of phenyl-hydrazo-naphthol sulfonic acids. 2,419,348; Apr. 22.
Frisk, Nils P. W., assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Retarded shaded pole motor. 2,419,396; Apr. 22.
Frohoff, John R., and K. J. Glasmann, Denver, Colo. Spraying rack for railway cars. 2,419,397; Apr. 22.
Gardiner, Edward M.: *See—*
    McDowell, Earle B., and Gardiner.
Gartner, John, Hasbrouck Heights, assignor to Bendix Aviation Corporation, Teterboro, N. J. Armature mounting for carbon pile voltage regulators. 2,419,491; Apr. 22.
Gayer, John D., and E. J. Frank, Springfield, and A. C. Boisseau, Lansdowne, Pa., assignors to General Electric Company. Electric circuit interrupter. 2,419,447; Apr. 22.
General Cable Corporation, assignee: *See—*
    Eichinger, Philippe E. H.
General Electric Company, assignee: *See—*
    Barcus, George L., and Boisseau.
    Bartelink, Everhard H. B.
    Bedford, Burnice D.
    D'Alelio, Gaetano F.
    Foote, Alton G.
    Gayer, John D., Frank, and Boisseau.
    McDowell, Earle B., and Gardiner.
    Petch, Thomas H., Jr., and Liddiard.
    Schmidt, August, Jr.
    Spiro, Benjamin E.
    Thiess, Ludwig E.
    Willis, Clodius H.
    Wright, Daniel K.
General Mills, Inc., assignee: *See—*
    Anderson, Helmer.
General Motors Corporation, assignee: *See—*
    Bychinsky, Wilfred A., Ford, and Kirk.
    Holmes, John R., Winter, and Schultz.
    McDowall, Charles J., and Gerdan.
    Schaefer, Carl F.
General Railway Signal Company, assignee: *See—*
    Field, Oscar S.
    Judge, Thomas J.
General Steel Castings Corporation, assignee: *See—*
    Travilla, James C., Jr.
Gerdan, Dimtrius: *See—*
    McDowall, Charles J., and Gerdan.
Giese, Oscar W., assignee, et al.: *See—*
    Anderson, William M.
Gilbert, Samuel, Verona, assignor to Bendix Aviation Corporation, Bendix, N. J. Firing mechanism. 2,419,349; Apr. 22.
Girdler Corporation, The, assignee: *See—*
    Zottu, Paul D.
Given, Richard A., Lake Charles, La., assignor to Standard Oil Development Company. Butadiene desorption method. 2,419,350; Apr. 22.
Glasmann, Kenneth J.: *See—*
    Frohoff, John R., and Glasmann.
Glassner, Mitchel, assignor to Maryland Baking Company, Inc., Baltimore, Md. Dispensing mechanism. 2,419,351; Apr. 22.
Golden, Lucius D., Richmond, Ind. Hanger device. 2,419,398; Apr. 22.
Goldsby, Arthur R.: *See—*
    Sensel, Eugene E., Atwell, and Goldsby.
Gollmar, Herbert A.: *See—*
    Mitchell, John, Hill, and Gollmar.
Goodlatte, Robert K., East Orange, assignor to Production Engineering Corporation, Clifton, N. J. Impregnating and coating machine. 2,419,260; Apr. 22.
Goodman, Robert, and H. J. Jacoby, New York, N. Y. Variable transmission level luffing device for derricks and jib cranes. 2,419,209; Apr. 22.
Goodrich, B. F., Company, The, assignee: *See—*
    Craig, David.
    Folt, Vernon L., and Shaver.
Gordon, Henry S., Gary, Ind., assignor to Carnegie-Illinois Steel Corporation. Scouring apparatus. 2,419,448; Apr. 22.
Goulding, John P.: *See—*
    Conn, Robert C., Adams, and Goulding.
Graham, Maurice H., assignee, et al.: *See—*
    Anderson, William M.
Green, Walter H., Batavia, assignor to Infilco Incorporated, Chicago, Ill. Sewage treatment. 2,419,492; Apr. 22.
Groetchen, Richard, Chicago, Ill. Cooker. 2,419,261; Apr. 22.
Gurries, Albert G., and J. A. White, Jr., Gilroy, Calif.; said White assignor to said Gurries. Self-loading material spreader. 2,419,262; Apr. 22.
Hall, Eric V., Hull, assignor to Blackburn Aircraft Limited, Brough, England. Spring clip for securing conduits, wiring, and the like to structural parts. 2,419,317; Apr. 22.
Hanna, Clinton R., Pittsburgh, Pa., and E. R. Wolfert, Springfield, Mass., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Position regulator. 2,419,210; Apr. 22.
Harmon Color Works, Inc., assignee: *See—*
    Vesce, Vincent C.
Harnly, Nellie F., assignee: *See—*
    Matheny, Willard R.
Harris, George C., assignor to Hercules Powder Company, Wilmington, Del. Tall oil treatment. 2,419,211; Apr. 22.
Hartford National Bank and Trust Company, trustee, assignee: *See—*
    Bouwers, Albert.
Hartsfield, Ernest P., Wilmington, Del., and J. L. Richmond, Woodstown, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Fabric treating paste. 2,419,399; Apr. 22.
Harvey, Jacquelin E., Jr., Washington, D. C., and R. H. White, Jr., and J. A. Vaughan, Atlanta, assignors of one-half to said Harvey and one-half to Southern Wood Preserving Company, East Point, Ga. Reformed hydrocarbon wood preserving impregnant. 2,419,212; Apr. 22.

Haven, Charles D., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Multiple glazing unit. 2,419,400; Apr. 22.
Heitzman, Richard J., assignor of one-half to W. H. Ressler, Shamokin, Pa. Tool for forcing the bead of a partially mounted tire into the rim. 2,419,352; Apr. 22.
Hemphill Company, assignee, et al.: *See—*
    Delmonte, John.
Henley, Charles V., Stone Mountain, Ga. Boll weevil eradicator. 2,419,353; Apr. 22.
Hercules Powder Company, assignee: *See—*
    Barwell, Allen C.
    Harris, George C.
Hill, William H.: *See—*
    Mitchell, John, Hill, and Gollmar.
Hilton, William, Seattle, Wash. Door stop. 2,419,449; Apr. 22.
Hinds, William E., Hillsboro, Oreg. Syringe plunger seal. 2,419,401; Apr. 22.
Hines, John, South Norwalk, Conn., assignor to Norwalk Lock Company, New York, N. Y. Padlock. 2,419,213; Apr. 22.
Hoe, R., & Co., Inc., assignee: *See—*
    Horton, Albert J., and Eckhard.
Hoewischer, Frederick W.: *See—*
    Woodberry, John H., and Hoewischer.
Hoff, John M., Idaho Falls, Idaho. Farm loader. 2,419,493; Apr. 22.
Hohwart, George, Orchard Lake, assignor to N. A. Woodworth Company, Ferndale, Mich. Screw-thread gage. 2,419,263; Apr. 22.
Holcomb, Walter F.: *See—*
    Burckhalter, Joseph H., Rawlins, Tendick, Jones, and Holcomb.
Holihan, Irving T., Waterbury, Conn., assignor to Scovill Manufacturing Company. Cooling unit. 2,419,234; Apr. 22.
Holman, Robert W., G. R. Myers, and G. H. Rendel, Gary, Ind., assignors to Carnegie-Illinois Steel Corporation. Automatically controlling the melting of coating on continuous metallic strip. 2,419,214; Apr. 22.
Holmes, John R., and J. A. Winter, Lockport, and I. M. Schultz, North Tonawanda, N. Y., assignors to General Motors Corporation, Detroit, Mich. Oil cooler. 2,419,264; Apr. 22.
Holt, Philetus H., 2nd: *See—*
    Meinert, Richard N., and Holt.
Home Curtain Corporation, assignee: *See—*
    Lepow, Edward.
Homrighous, John H., Oak Park, Ill. Cigarette lighter. 2,419,402; Apr. 22.
Hook, David: *See—*
    Mettrick, Arthur, and Hook.
Hoppman, Otto, Oak Park, Ill. Automatic retriever appliance for operating utensils such as erasers, pens, pencils, and the like. 2,419,215; Apr. 22.
Hopwood, John M., assignee: *See—*
    Boho, Mitchell J.
Horton, Albert J., White Plains, N. Y., and W. K. Eckhard, Newark, N. J., assignors to R. Hoe & Co., Inc., New York, N. Y. Printing machine. 2,419,403; Apr. 22.
Hotchner, Fred, Los Angeles, Calif. Illuminated display device having animation effects. 2,419,216; Apr. 22.
Howard, George E., Butler, Pa. Internal combustion motor. 2,419,450; Apr. 22.
Howland, Louis H., Waterbury, and B. A. Hunter, Naugatuck, Conn., assignors to United States Rubber Company, New York, N. Y. Preservation of synthetic rubber. 2,419,354; Apr. 22.
Hughes Tool Company, assignee: *See—*
    Elliott, Harry E.
Hultquist, Martin E.: *See—*
    Northey, Elmore H., and Hultquist.
Hunt, William H.: *See—*
    Savrda, Charles M., and Hunt.
Hunter, Byron A.: *See—*
    Howland, Louis H., and Hunter.
    Paul, Philip T., and Hunter.
Infilco Incorporated, assignee: *See—*
    Green, Walter H.
International Mineral & Chemical Corporation, assignee: *See—*
    Dorn, Herman W.
Isenberg, Hans D., Wilmette, Ill. Weighing apparatus. 2,419,217; Apr. 22.
Jack & Heintz Precision Industries, Inc., assignee: *See—*
    Cahill, Lysle D.
    Neff, Joseph J.
    Steigerwald, Joseph F.
    Tragesser, Herbert R.
Jacoby, Henry J.: *See—*
    Goodman, Robert, and Jacoby.
Jannsen, Newman C., Seattle, Wash. Construction of metal vessels. 2,419,218; Apr. 22.
Johnson, James M., New York, N. Y., assignor to Nostrip Inc. Higher fatty acid polyamine soaps. 2,419,404; Apr. 22.
Johnson, James P., Cleveland, assignor to The Aro Equipment Corporation, Bryan, Ohio. Check valve. 2,419,318; Apr. 22.
Johnston, Truman L.: *See—*
    Bryan, Robert H., and Johnston.

Johnstone, Charles W., Garden City, N. Y., assignor to Sperry Gyroscope Company, Inc. Phase responsive circuit. 2,419,219; Apr. 22.
Jones, Eldon M.: *See—*
    Burckhalter, Joseph H., Rawlins, Tendick, Jones, and Holcomb.
Judge, Thomas J., assignor to General Railway Signal Company, Rochester, N. Y. Light signal for railroads. 2,419,265; Apr. 22.
Kane, Garold A.: *See—*
    Randolph, Harrison, and Kane.
Keller, Edward A., Aurora, Ill. Adjustable spirit level. 2,419,451; Apr. 22.
Kendall, Edward C., Rochester, Minn., assignor to Research Corporation, New York, N. Y. Derivatives of 3-hydroxy cholanic acid and making them. 2,419,220; Apr. 22.
Kenyon Instrument Co., Inc., assignee: *See—*
    Dresser, Willis R.
Kenyon, William O., and J. H. Van Campen, assignors to Eastman Kodak Company, Rochester, N. Y. Copolymers of 2-halogeno-allyl alcohol or 2-halogeno-allyl esters. 2,419,221; Apr. 22.
Kersta, Lawrence G.: *See—*
    Crump, Elmo E., and Kersta.
Ketchum, Eugene R., Kansas City, Mo., assignor to The Marley Company, Inc., Kansas City, Kans. Distribution deck for cooling towers. 2,419,452; Apr. 22.
Kirk, William S.: *See—*
    Bychinsky, Wilfred A., Ford, and Kirk.
Klausner, Bertha: *See—*
    Krasner, Harold E., and Klausner.
Klein, David X., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing 1-hydroxy-4-arylamino anthraquinones. 2,419,405; Apr. 22.
Kliever, Waldo H., and R. M. Franzel, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electronic circuit for indicating ice formation. 2,419,266; Apr. 22.
Knapp-Monarch Company, assignee: *See—*
    Schafnitz, Nicholas.
Knaus, Nicholaus, Cranford, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Presser device for sewing machines. 2,419,494; Apr. 22.
Kocevar, Anthony, Garfield Heights, Ohio. Reducing coupling. 2,419,453; Apr. 22.
Koci, Ludvik J., assignor to Sunbeam Corporation, Chicago, Ill. Electric toaster heating unit. 2,419,355; Apr. 22.
Koebbe, Paul F., Jackson, Mich. Angularity indicator for grinding crankshafts. 2,419,406; Apr. 22.
Koppers Company, Inc., assignee: *See—*
    Mitchell, John, Hill, and Gollmar.
Korte, Alfred C., assignor to Carter Carburetor Corporation, St. Louis, Mo. Brush structure with parallel flakes. 2,419,356; Apr. 22.
Krasner, Harold E., and B. Klausner, New York, N. Y. Smoke pot cover. 2,419,357; Apr. 22.
Lambach, Fritz, Tenafly, N. J. Knitting machine. 2,419,222; Apr. 22.
Lankton, Joel F., Peoria, Ill. Portable utility building core unit. 2,419,319; Apr. 22.
La Plant-Choate Manufacturing Co., Inc., assignee: *See—*
    Austin, Ellsworth W.
Le Clair, Camille C. S., Acton, London, England. Apparatus for detecting and indicating and/or measuring ice formation on vehicles. 2,419,454; Apr. 22.
Lee, John G., Farmington, assignor to United Aircraft Corporation, East Hartford, Conn. Airplane arresting hook. 2,419,455; Apr. 22.
Lee, John G., Farmington, assignor to United Aircraft Corporation, East Hartford, Conn. Tailless airplane arresting hook. 2,419,456; Apr. 22.
Lehmann, Emma E., Rochester, N. Y. Needle threader. 2,419,495; Apr. 22.
Lenke, George H., Elmhurst, assignor of one-half to J. J. Ohlis, Oak Park, Ill. Skylight construction. 2,419,267; Apr. 22.
Lepow, Edward, New York, assignor to Home Curtain Corporation, Far Rockaway, N. Y. Curtain construction. 2,419,407; Apr. 22.
Lewis, Jacob D., Yonkers, assignor to Otis Elevator Company, New York, N. Y. Plural pole number induction motor. 2,419,268; Apr. 22.
Libbey-Owens-Ford Glass Company, assignee: *See—*
    Haven, Charles D.
Lidard, Edgar: *See—*
    Warth, Albin H., and Lidard.
Liddiard, Hugh W. C.: *See—*
    Petch, Thomas H., Jr., and Liddiard.
Lightowler, William A., assignor to The Maudslay Motor Company Limited, Coventry, England. Crankshaft. 2,419,408; Apr. 22.
Linnartz, John G., New York, N. Y. Parallel screw clamp. 2,419,270; Apr. 22.
Lish, Henry, Brookline, Mass. Gas heated embossing press. 2,419,271; Apr. 22.
Lohrke, James L., Thornbury Township, Delaware County, Pa. Process and apparatus for producing staple fibers. 2,419,320; Apr. 22.

Long, Ralph M., Biggs Field, assignor of twelve and one-half per cent to H. P. Talley and forty-three and three-fourths per cent to T. Bates, El Paso, Tex. Dispensing cigarette case and lighter. 2,419,409; Apr. 22.
Lopes, Manuel A., Vallejo, Calif. Chain. 2,419,321; Apr. 22.
Lord, Arthur H., Jr., Houston, Tex., assignor to The Texas Company, New York, N. Y. Voltage control and stabilizing circuits. 2,419,496; Apr. 22.
Lougee, E. F., assignee, et al.: *See*—
  Delmonte, John.
Lovell Chemical Company, assignee: *See*—
  Lovell, Stanley P.
Lovell, Stanley P., Newtonville, assignor to Lovell Chemical Company, Watertown, Mass. Splint and the like. 2,419,358; Apr. 22.
Lowry, Raymond A.: *See*—
  Birch, Stanley F., and Lowry.
Ludelfs, Henry R. H., Grosse Pointe Woods, Mich. Fire escape. 2,419,359; Apr. 22.
Lysell, Ralph Å. G.: *See*—
  Blomberg, Knut H., and Lysell.
Magnetone, Inc., assignee: *See*—
  Begun, Semi J.
Mahlmeister, Raymond A., assignor to The Sheffield Corporation, Dayton, Ohio. Grinding contours. 2,419,457; Apr. 22.
Makowsky, J., Corporation, assignee: *See*—
  Van Rosen, Robert.
Manning, Maxwell & Moore, Incorporated, assignee: *See*—
  Allen, Earle F., and Burrows.
Marisic, Milton M., Woodbury, and A. C. Schmitt, Wenonah, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Forming a silica-containing hydrogel. 2,419,272; Apr. 22.
Marley Company, Inc., The, assignee: *See*—
  Ketchum, Eugene R.
Marquette, Ernest D., St. Albans, Vt. Water heater. 2,419,273; Apr. 22.
Maryland Baking Company, Inc., assignee: *See*—
  Glassner, Mitchel.
Matheny, Willard R., assignor to N. F. Harnly, Chicago, Ill. Composite weatherstrip. 2,419,322; Apr. 22.
Maudslay Motor Company Limited, The, assignee: *See*—
  Lightowler, William A.
Maurer, Spencer B., Cleveland, Ohio, assignor to Chicago Pneumatic Tool Company, New York, N. Y. Cement or refractory material gun and supply system for same. 2,419,410; Apr. 22.
Mayer, Richard, New Rochelle, N. Y., assignor to Universal Match Corporation, St. Louis, Mo. Combination cigarette container and lighter. 2,419,458; Apr. 22.
Mayne, Robert A., Dayton, Ohio. Blower. 2,419,411; Apr. 11.
McArthur, Warren, Bantam, Conn., assignor, by mesne assignments, to Reconstruction Finance Corporation, New York, N. Y. Arm rest. 2,419,412; Apr. 22.
McCalla, David, Wisconsin Rapids, Wis. Bottle carrier. 2,419,413; Apr. 22.
McDowall, Charles J., and D. Gerdan, Indianapolis, Ind., assignors to General Motors Corporation, Detroit, Mich. Counterweighted crankshaft. 2,419,274; Apr. 22.
McDowell, Earle B., Scotia, and E. M. Gardiner, Schenectady, N. Y., assignors to General Electric Company. Photoelectric detecting apparatus. 2,419,459; Apr. 22.
McLaughlin, Kenneth M., Summit, N. J., assignor to Radio Corporation of America. Electrical socket. 2,419,460; Apr. 22.
McNab, John G., Cranford, N. J., C. J. Wilson, Norwalk, Conn., and C. Winning, Westfield, N. J., assignors to Standard Oil Development Company. Lubricating oil composition. 2,419,360; Apr. 22.
Meinert, Richard N., Westfield, and P. H. Holt, 2d, Summit, N. J., assignors to Standard Oil Development Company. Conversion of hydrocarbon oils. 2,419,323; Apr. 22.
Metals & Controls Corporation, assignee: *See*—
  Schrumn, Jewett F.
Metropolitan-Vickers Electrical Company Limited, assignee: *See*—
  Flurscheim, Cedric H.
Mettrick, Arthur, Bellmore, and D. Hook, New York, N. Y. Drilling jig. 2,419,223; Apr. 22.
Metzger, Floyd J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Production of 1,3-butylene glycol. 2,419,275; Apr. 22.
Meyer, Stephen E., Hayden, Ariz. Multiple cell flotation apparatus including recycling means. 2,419,497; Apr. 22.
Miles, Charles E., Hampton-on-Thames, England. Slipway cradle. 2,419,361; Apr. 22.
Millelot, Paul W., Jr., Maywood, Ill., assignor to American Can Company, New York, N. Y. Sealing composition. 2,419,224; Apr. 22.
Miller, Dallas A., Lagunitas, and F. Deauville, San Francisco, Calif. Remote control means for electrical circuits. 2,419,276; Apr. 22.
Miller, Frances, Brooklyn, N. Y. Garment hanger. 2,419,362; Apr. 22.
Miner, W. H., Inc., assignee: *See*—
  Dath, George E.
Minneapolis-Honeywell Regulator Company, assignee: *See*—
  Kliever, Waldo H., and Franzel.
Minney, Aubrey, Santa Rosa, Calif. Gaff Guard. 2,419,363; Apr. 22.
Missbach, Edmund C., Oakland, Calif., assignor to Stauffer Chemical Company. Treatment of insoluble sulphur. 2,419,324; Apr. 22.
Mitchell, John, W. H. Hill, and H. A. Gollmar, Pittsburgh, Pa., assignors, by mesne assignments, to Koppers Company, Inc. Hydrogen cyanide recovery. 2,419,225; Apr. 22.
Mohaupt, Henry H., Washington, D. C., assignor to Sageb Societe Anonyme de Gestion et d' Exploitation de Brevets, Fribourg, Switzerland. Projectile. 2,419,414; Apr. 22.
Moncrieff, Robert W., C. W. Sammons, and E. W. Wheatley, Spondon near Derby, England, assignors to Celanese Corporation of America. Production of polyamide compositions. 2,419,277; Apr. 22.
Montgomery, John P., Mount Carmel, and F. H. Pierson, Orange, assignors to The West Haven Buckle Company, West Haven, Conn. Cable hanger. 2,419,364; Apr. 22.
Morf, Albert, Uster, Switzerland. Bobbin and weft carrier for textile machines. 2,419,415; Apr. 22.
Motsenbocker, James O., Jr., Phillips, Tex., assignor to Phillips Petroleum Company. Insulated pipe. 2,419,278; Apr. 22.
Muccillo, Vincent, Hamilton, Ohio. Sanitary cuff. 2,419,279; Apr. 22.
Mumma, Robert E.: *See*—
  Desch, Joseph R., and Mumma.
Musselman, John M., South Euclid, assignor to The Standard Oil Company, Cleveland, Ohio. Lubricating composition. 2,419,325; Apr. 22.
Mustain, Samuel J., Newark, N. J. Holder and warmer for liquid containers. 2,419,416; Apr. 22.
Myers, Gerald R.: *See*—
  Holman, Robert W., Myers, and Rendel.
Nagel, Theodore, Brooklyn, N. Y. Atomizing liquids. 2,419,365; Apr. 22.
National Carbon Company, Inc., assignee: *See*—
  Wilson, Howard R.
National Cash Register Company, The, assignee: *See*—
  Desch, Joseph R., and Mumma.
  Saxby, Frank R.
National Fruit Products Company, Inc., assignee: *See*—
  Rooker, William A.
Neff, Joseph J., South Euclid, assignor, by mesne assignments, to Jack & Heintz Precision Industries Inc., Cleveland, Ohio. Electronic gauge for measuring the radial freedom of anti-friction bearings in their races. 2,419,280; Apr. 22.
Neff, Joseph J., South Euclid, assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Electric gauge for measuring ball-bearing inner race grooves. 2,419,461; Apr. 22.
Newton, Carl E., Shaker Heights, Ohio, assignor to The Chesapeake and Ohio Railway Company. Convertible railway car. 2,419,498; Apr. 22.
New Wrinkle, Inc., assignee: *See*—
  Waldie, William A.
Niederl, Victor: *See*—
  Bloom, Albert, and Niederl.
Noble, Max V., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polyvinyl alcohol film. 2,419,281; Apr. 22.
Northern Pump Company, The, assignee: *See*—
  Randolph, Harrison, and Kane.
Northey, Elmore H., and M. E. Hultquist, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. (N'-alkylpiperazino) alkanol esters. 2,419,366; Apr. 22.
Norwalk Lock Company, assignee: *See*—
  Hines, John.
Nostrip Inc., assignee: *See*—
  Johnson, James M.
Novobax Limited, assignee: *See*—
  Oyston, William R.
Ohlis, Julius J., assignee: *See*—
  Lenke, George H.
Omel, Jacob, Kenmore, N. Y. Attachment for photographic apparatus. 2,419,417; Apr. 22.
O'Neal, Willie H.: *See*—
  Thomas, Oscar H., O'Neal, and Sword.
Oosterhout, Johan C. D., and T. C. Roddy, Jr., Port Arthur, Tex., assignors to The Texas Company, New York, N. Y. Solvent extraction of unsaturated materials. 2,419,499; Apr. 22.
Ostline, John E., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,419,282; Apr. 22.
Otis Elevator Company, assignee: *See*—
  Lewis, Jacob D.
  Lewis, Jacob D., Troster, and Sederberg.
Oyston, William R., assignor to Novobax Limited, Watford, England. Method and apparatus for bending metal to loop formation. 2,419,418; Apr. 22.
Palmer, Alva L., Bayside, N. Y. Clothes drier with collapsible supports. 2,419,226; Apr. 22.
Paper Strap, Inc., assignee: *See*—
  Crary, Jay D.

Parke, Davis & Company, assignee: *See*—
  Burckhalter, Joseph H., Rawlins, Tendick, Jones, and Holcomb.
Parker Appliance Company, The, assignee: *See*—
  Carbon, Harry B.
Paul, Philip T., and B. A. Hunter, Naugatuck, Conn., assignors to United States Rubber Company, New York, N. Y. Manufacture of sulfenamides. 2,419,283; Apr. 22.
Payne, John W.: *See*—
  Simpson, Thomas P., Payne, and Crowley.
Payne, Oscar V., Leicester, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Letoff mechanism for looms. 2,419,419; Apr. 22.
Penn Electric Switch Co., assignee: *See*—
  Shaw, Burton E.
Petch, Thomas H., Jr., and H. W. C. Liddiard, Rugby, England, assignors to General Electric Company. Control system. 2,419,462; Apr. 22.
Peterson, Eugene, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pulse generator. 2,419,227; Apr. 22.
Peterson, Walter H., and K. D. Detling, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Production of halogenated compounds. 2,419,500; Apr. 22.
Phillips Petroleum Company, assignee: *See*—
  Dutcher, Harris A.
  Evans, Edmond W.
  Motsenbocker, James O., Jr.
  Schulze, Walter A., and Axe.
  Simonson, Howard E.
  Wolk, I. Louis.
Pierson, Frode H.: *See*—
  Montgomery, John P., and Pierson.
Pinto, Armie A., Highland Park, Mich. Debris accumulating and separating trap for drain pipes. 2,419,501; Apr. 22.
Pitre, Antonio S., U. S. Navy, F. G. Cowen, Vallejo, and J. N. Pouget, Napa, Calif. Nozzle. 2,419,228; Apr. 22.
Pittsburgh Plate Glass Company, assignee: *See*—
  Truby, Harry A.
Pomeroy, Allen F.: *See*—
  Frantz, Glenn R., and Pomeroy.
Pouget, John N.: *See*—
  Pitre, Antonio S., Cowan, and Pouget.
Preis, Carl G., Forest Hills, N. Y. Cafeteria tray. 2,419,229; Aug. 22.
Prentice, James M., assignee, et al.: *See*—
  Ellis, Clarence M.
Price, Manley R., Lakewood, Ohio. Self-clinching nailing ground. 2,419,420; Apr. 22.
Production Engineering Corporation, assignee: *See*—
  Goodlatte, Robert K.
Radio Corporation of America, assignee: *See*—
  McLaughlin, Kenneth M.
  Sachtleben, Lawrence T.
  Solomon, Myer.
  Vance, Arthur W.
Randolph, Harrison, and G. A. Kane, assignors to The Northern Pump Company, Minneapolis, Minn. Control system for hydraulic hoist. 2,419,367; Apr. 22.
Rawlins, Albert L.: *See*—
  Burckhalter, Joseph H., Rawlins, Tendick, Jones, and Holcomb.
Ray-O-Vac Company, assignee: *See*—
  Anthony, Herman R. C.
Raytheon Manufacturing Company, assignee: *See*—
  Stutsman, Paul W.
Reconstruction Finance Corporation, assignee: *See*—
  McArthur, Warren.
Reed & Carnrick, assignee: *See*—
  Bloom, Albert, and Niederl.
Reich, Harold A., New York, N. Y. Convertible fur scarf. 2,419,368; Apr. 22.
Reich, Marion L. K., Pittsburgh, Pa. Head shield. 2,419,284; Apr. 22.
Remco Electronic, Inc., assignee: *See*—
  Shepard, Francis H., Jr.
Rendel, George H.: *See*—
  Holman, Robert W., Myers, and Rendel.
Research Corporation, assignee: *See*—
  Kendall, Edward C.
Ressler, William H., assignee: *See*—
  Heitzman, Richard J.
Rhodes, Lynn A., Camden, Ark. Inkstand and pen rack. 2,419,285; Apr. 22.
Richmond, Joseph L.: *See*—
  Hartsfield, Ernest P., and Richmond.
Rite-Way Products Co., assignee: *See*—
  Anderson, Gustave A.
Ritzert, Robert W., assignor to The Egry Register Co., Dayton, Ohio. Ribbon feed mechanism for manifolding machines. 2,419,369; Apr. 22.
Roberk Company, The, assignee: *See*—
  Zeiler, Frank.
Roddy, Thomas C., Jr.: *See*—
  Oosterhout, Johan C. D., and Roddy.
Roof, Raymond L., Paducah, Ky. Dental unit. 2,419,370; Apr. 22.
Rooker, William A., assignor to National Fruit Products Company, Inc., Winchester, Va. Making fermented juice products. 2,419,286; Apr. 22.
Rudy, Harry E., Detroit, Mich. Window pane and the like. 2,419,287; Apr. 22.
Ruegg, Rudolf, assignor to Aktiengesellschaft Fuer Technische Studien, Zurich, Switzerland. Furnace having sequentially arranged gas heating tubes. 2,419,463; Apr. 22.
Ruskin, Frances R., assignee: *See*—
  Ruskin, Simon L.
Ruskin, Simon L., New York, N. Y., assignor to F. R. Ruskin. Therapeutic compositions and preparing same. 2,419,230; Apr. 22.
Ryan, Commodore D., and E. P. Drake, Los Angeles, Calif., assignors to Commercial Controls Corporation. Tape feeding and cutting apparatus for mail treating machines. 2,419,288; Apr. 22.
Sachtleben, Lawrence T., Indianapolis, Ind., assignor to Radio Corporation of America. Calibrating lenses with respect to effective physical speed. 2,419,421; Apr. 22.
Sageb Societe Anonyme de Gestion et d'Exploitation de Brevets, assignee: *See*—
  Mohaupt, Henry H.
Salem Engineering Company, The, assignee: *See*—
  Van Etten, Myron.
Sammons, Charles W.: *See*—
  Moncrieff, Robert W., Sammons, and Wheatley.
Savrda, Charles M., Bay Shore, N. Y., and W. H. Hunt, National City, Calif., assignors to The Atlantic Coast Fisheries Company, New York, N. Y. Conveyor apparatus for positioning fish. 2,419,289; Apr. 22.
Saxby, Frank R., London, England, assignor to The National Cash Register Company, Dayton, Ohio. Multiplying machine. 2,419,502; Apr. 22.
Schaefer, Carl F., Flint, assignor to General Motors Corporation, Detroit, Mich. Ceramic material. 2,419,290; Apr. 22.
Schafnitz, Nicholas, assignor to Knapp-Monarch Company, St. Louis, Mo. Toaster. 2,419,326; Apr. 22.
Schantz, Donald H., assignor to Standard Steel Spring Company, Coraopolis, Pa. Electroplated corrosion proof metal articles and making the same. 2,419,231; Apr. 22.
Scheiwer, Albert T., Erie, Pa. Coupling. 2,419,503; Aug. 22.
Schlumberger, Marcel, St. Gaudens, Haute Garonne, France, vested in the Attorney General of the United States. Cartridge. 2,419,371; Apr. 22.
Schmidt, August, Jr., Niskayuna, N. Y., assignor to General Electric Company. Electronic power conversion apparatus. 2,419,464; Apr. 22.
Schmitt, Arthur C.: *See*—
  Marisic, Milton M., and Schmitt.
Schneider, Everett J., assignor to Sylvania Electric Products Inc., Emporium, Pa. Tension control arrangement for winding systems. 2,419,372; Apr. 22.
Scholz, Louis A., Dayton, Ohio. Time pulsing relay device. 2,419,232; Apr. 22.
Schrumm, Jewett F., West Newton, assignor to Metals & Controls Corporation, Attleboro, Mass. Apparatus for vibrating metals during casting. 2,419,373; Apr. 22.
Schulein, Albert, New York, N. Y. Device for carrying luggage and other articles. 2,419,422; Apr. 22.
Schultz, Irving M.: *See*—
  Holmes, John R., Winter, and Schultz.
Schulze, Walter A., and W. N. Axe, Bartlesville, Okla., assignors to Phillips Petroleum Company. Boron fluoride recovery process. 2,419,504; Apr. 22.
Schwitzer-Cummins Company, assignee: *See*—
  Beier, Kurt A.
Scovill Manufacturing Company, assignee: *See*—
  Holihan, Irving T.
  Spender, Donald L.
Sederberg, Norman W.: *See*—
  Lewis, Jacob D., Troster, and Sederberg.
Senkus, Murray, assignor to Commercial Solvents Corporation, Terre Haute, Ind. Preparation of acetone ketals. 2,419,505; Apr. 22.
Senkus, Murray, assignor to Commercial Solvents Corporation, Terre Haute, Ind. Alkyl and hydroxyalkyl nitro amines and preparing them. 2,419,506; Apr. 22.
Sensel, Eugene E., H. V. Atwell, and A. R. Goldsby, Beacon, assignors, by mesne assignments, to The Texas Company, New York, N. Y. Isomerization of normal paraffin hydrocarbons. 2,419,423; Apr. 22.
Senter, Albert M., Jr., Albuquerque, N. Mex. Vacuum bottle. 2,419,291; Apr. 22.
Shartle, Robert A., Rockford, Ill., assignor to Vickers Incorporated, Detroit, Mich. Power transmission. 2,419,374; Apr. 22.
Shartle, Robert A., Rockford, Ill., assignor to Vickers Incorporated, Detroit, Mich. Power transmission having a plural pump fluid pressure source and a flow-regulating diverting valve. 2,419,375; Apr. 22.
Shaver, Forrest W.: *See*—
  Folt, Vernon L., and Shaver.
Shaw, Burton E., Bristol, assignor to Penn Electric Switch Co., Goshen, Ind. Thermostatic control for refrigeration systems. 2,419,376; Apr. 22.
Shaw, Burton E., Bristol, assignor to Penn Electric Switch Co., Goshen, Ind. Thermostatic control for refrigeration systems. 2,419,377; Apr. 22.

- Sheffield Corporation, The, assignee: *See—*
  - Aller, Willis F.
  - Mahlmeister, Raymond A.
- Shell Development Company, assignee: *See—*
  - Peterson, Walter H., and Detling.
  - Wachter, Aaron, and Stillman.
- Shepard, Francis H., Jr., Madison, N. J., assignor, by mesne assignments, to Remco Electronic, Inc., New York, N. Y. System for transmitting two simultaneous intelligences. 2,419,292; Apr. 22.
- Silver, Walter H., assignor to Deere & Company, Moline, Ill. Clutch mechanism. 2,419,467; Apr. 22.
- Simonson, Howard E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Relief valve tester. 2,419,293; Apr. 22.
- Simpson, Thomas P., J. W. Payne, and J. A. Crowley, Jr., Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Catalytic conversion. 2,419,507; Apr. 22.
- Simpson, Thomas P., J. W. Payne, and J. A. Crowley, Jr., Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Apparatus for catalytic conversion. 2,419,508; Apr. 22.
- Sinclair Refining Company, assignee: *See—*
  - Teter, John W.
- Singer Manufacturing Company, The, assignee: *See—*
  - Clayton, Andrew B.
  - Knaus, Nicholaus.
- Skaptason, Joseph B., Woodbridge, Conn., assignor to United States Rubber Company, New York, N. Y. Benzothiazole sulfenamides as fungicides. 2,419,294; Apr. 22.
- Skelly Oil Company, assignee: *See—*
  - Edson, Kenneth C., and Fisher.
- Slough, Phillip, Detroit, Mich. Fish lure. 2,419,295; Apr. 22.
- Smith, George A., assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa. Apparatus for orienting drill stems. 2,419,468; Apr. 22.
- Socony-Vacuum Oil Company, Incorporated, assignee: *See—*
  - Eastwood, Sylvander C.
  - Evans, Louis P.
  - Marisic, Milton M.
  - Simpson, Thomas P., Payne, and Crowley.
- Solomon, Myer, deceased, by N. W. Solomon, Princeton, N. J., assignor to Radio Corporation of America. Fibrous sheet material for the electrolytic formation of an azo dyestuff thereon. 2,419,296; Apr. 22.
- Solomon, Nellie W.: *See—*
  - Solomon, Myer.
- Southern Wood Preserving Company, assignee: *See—*
  - Harvey, Jacquelin E., Jr., White, and Vaughan.
- Spender, Donald L., Waterbury, assignor to Scoville Manufacturing Company, New Haven, Conn. Cooling unit. 2,419,233; Apr. 22.
- Sperry Gyroscope Company, Inc., assignee: *See—*
  - Johnstone, Charles W.
  - White, Gifford E.
- Sperry-Sun Well Surveying Company, assignee: *See—*
  - Smith, George A.
- Spiro, Benjamin E., Philadelphia, Pa., assignor to General Electric Company. Manufacturing electrical contacts. 2,419,469; Apr. 22.
- Staab, Peter J., Stuttgart, Ark. Boning hams. 2,419,424; Apr. 22.
- Stacy, Thomas F., assignor to The French Oil Mill Machinery Company, Piqua, Ohio. Control system for hydraulic motors. 2,419,235; Apr. 22.
- Standard Oil Company, assignee: *See—*
  - Arveson, Maurice H.
  - Musselman, John M.
- Standard Oil Development Company, assignee: *See—*
  - Byrd, Edwin E.
  - Given, Richard A.
  - McNab, John G., Wilson, and Winning.
  - Meinert, Richard N., and Holt.
- Standard Steel Spring Company, assignee: *See—*
  - Schantz, Donald H.
- Stauffer Chemical Company, assignee: *See—*
  - Belchetz, Arnold.
  - Missbach, Edmund C.
- Steigerwald, Joseph F., Shaker Heights, assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Lapping tool. 2,419,297; Apr. 22.
- Stewart-Warner Corporation, assignee: *See—*
  - Bryan, Robert H., and Johnston.
- Stille, Paul E., Royal Oak, Mich. Engine fuel vaporizer. 2,419,298; Apr. 22.
- Stillman, Nathan: *See—*
  - Wachter, Aaron, and Stillman.
- Stutsman, Paul W., Needham, assignor, by mesne assignments, to Raytheon Manufacturing Company, Newton, Mass. Electrical gaseous discharge device having constant starting characteristics. 2,419,236; Apr. 22.
- Submarine Signal Company, assignee: *See—*
  - Benioff, Hugo.
- Sunbeam Corporation, assignee: *See—*
  - Koci, Ludik J.
- Sword, Frank P.: *See—*
  - Thomas, Oscar H., O'Neal, and Sword.
- Sylvan, Joseph, Berkeley, Mich. Storm window. 2,419,425; Apr. 22.
- Sylvania Electric Products Inc., assignee: *See—*
  - Schneider, Everett J.
- Talley, H. P., assignee, et al.: *See—*
  - Long, Ralph M.
- Tanner, Arnold F., Alliance, Ohio. Cheese container. 2,419,299; Apr. 22.
- Tarnow, Nathan, Detroit, Mich. Cable clamp. 2,419,426; Apr. 22.
- Telefonaktiebolaget L. M. Ericsson, assignee: *See—*
  - Blomberg, Knut H., and Lysell.
  - Frisk, Nils P. W.
- Tendick, Frank H.: *See—*
  - Burckhalter, Joseph H., Rawlins, Tendick, Jones, and Holcomb.
- Tennessee Valley Authority, assignee: *See—*
  - Dely, Joseph G.
- Tessier, Benedict, Irvington, assignor to Tessier & Weiss, Inc., Newark, N. J. Multigem setting. 2,419,520; Apr. 22.
- Tessier & Weiss, Inc., assignee: *See—*
  - Tessier, Benedict.
- Teter, John W., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Manufacture of gasoline using adsorptive catalysts. 2,419,427; Apr. 22.
- Teter, John W., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Preparing amines and nitriles from olefins and ammonia. 2,419,470; Apr. 22.
- Texas Company, The, assignee: *See—*
  - Lord, Arthur H., Jr.
  - Oosterhout, Johan C. D., and Roddy.
  - Sensel, Eugene E., Atwell, and Goldsby.
- Thibos, Merle F., Niles, Mich. Amplified stethoscope. 2,419,471; Apr. 22.
- Thiess, Ludwig E., Schenectady, N. Y., assignor to General Electric Company. Electric insulating composition. 2,419,472; Apr. 22.
- Thomas, Oscar H., W. H. O'Neal, and F. P. Sword, Wichita, Kans. Support for fishing poles. 2,419,378; Apr. 22.
- Tindell, Oliver T., Jr., Chattanooga, Tenn. Magazine stove. 2,419,379; Apr. 22.
- Toledo Scale Company, assignee: *See—*
  - Williams, Lawrence S.
- Tollefson, Richard C., Stamford, Conn., assignor to Air Reduction Company, Incorporated. Production of 1,3-butylene glycol. 2,419,300; Apr. 22.
- Tragesser, Herbert R., Shaker Heights, assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Magneto magnetic circuit. 2,419,301; Apr. 22.
- Travilla, James C., Jr., Swarthmore, Pa., assignor to General Steel Castings Corporation, Granite City, Ill. Railway truck structure and assembling and disassembling the same. 2,419,473; Apr. 22.
- Treuting, Robert G., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Translating material and device and making them. 2,419,237; Apr. 22.
- Troster, Mathew, Jr.: *See—*
  - Lewis, Jacob D., Troster, and Sederberg.
- Truby, Harry A., New Kensington, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Glass and manufacture thereof. 2,419,302; Apr. 22.
- Turner, John L., St. Louis, Mo. Smoking pipe. 2,419,509; Apr. 22.
- United Aircraft Corporation, assignee: *See—*
  - Clark, John R.
  - Lee, John G.
- U. S. Industrial Chemicals, Inc., assignee: *See—*
  - Forman, Sylvan E.
- United States Rubber Company, assignee: *See—*
  - Howland, Louis H., and Hunter.
  - Paul, Philip T., and Hunter.
  - Skaptason, Joseph B.
- Universal Match Corporation, assignee: *See—*
  - Mayer, Richard.
- Van Campen, John H.: *See—*
  - Kenyon, William O., and Van Campen.
- Vance, Arthur W., Cranbury, N. J., assignor to Radio Corporation of America. Power supply for electron microscopes. 2,419,428; Apr. 22.
- Van Etten, Myron, assignor to The Salem Engineering Company, Salem, Ohio. Freezing of foods. 2,419,380; Apr. 22.
- Van Lennep, Gustav J., Washington, D. C. Implement for removal of ice cubes from trays. 2,419,381; Apr. 22.
- Van Rosen, Robert, New York, N. Y., assignor to J. Makowsky Corporation. Hinged cover triangular carton. 2,419,510; Apr. 22.
- Vasey, William G., New Westminster, British Columbia, Canada. Folding spectacle frames. 2,419,303; Apr. 22.
- Vaughan, Charles S., Jr., Tuscumbia, Ala. Cable stripper. 2,419,511; Apr. 22.
- Vaughan, Joseph A.: *See—*
  - Harvey, Jacquelin E., Jr., White, and Vaughan.
- Vesce, Vincent C., Ridgewood, assignor to Harmon Color Works, Inc., Paterson, N. J. Producing pigmented rubber. 2,419,512; Apr. 22
- Vickers Incorporated, assignee: *See—*
  - Shartle, Robert A.
- Voiles Engineering Company, assignee: *See—*
  - Voiles, Oscar M.

- Voiles, Oscar M., assignor to Voiles Engineering Company, Royal Oak, Mich. Electric water heater. 2,419,429; Apr. 22.
- Wachter, Aaron, and N. Stillman, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Corrosion inhibitors—nitrite salts of secondary amines. 2,419,327; Apr. 22.
- Wahlberg, Hortense, Miami, Fla. Combination garment. 2,419,513; Apr. 22.
- Waldie, William A., Oakwood, Ohio, assignor to New Wrinkle, Inc., Wilmington, Del. Blown wrinkle varnish. 2,419,238; Apr. 22.
- Waldron, John W., Philadelphia, Pa., assignor, by mesne assignments, to Allied Chemical & Dye Corporation. Recovery of aromatic hydrocarbons. 2,419,521; Apr. 22.
- Waring, Frank E., Cheshire, England. Apparatus for cutting sheet metal and the like. 2,419,382; Apr. 22.
- Warth, Albin H., and E. Lidard, assignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Cap. 2,419,304; Apr. 22.
- Watson, John H., and H. E. Anderson, Linwood, Scotland, and E. R. Angel, Beaconsfield, England. Manufacture of string or the like. 2,419,328; Apr. 22.
- Weinert, Carl R., West View, assignor to Federal Laboratories, Inc., Pittsburgh, Pa. Tree suspension grenade device. 2,419,430; Apr. 22.
- West Haven Buckle Company, The, assignee: *See—*
  - Montgomery, John P., and Pierson.
- Westinghouse Electric Corporation, assignee: *See—*
  - Hanna, Clinton R., and Wolfert.
- Wheatley, Edward W.: *See—*
  - Moncrieff, Robert W., Sammons, and Wheatley.
- White, Gifford E., Hempstead, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Fire control system. 2,419,239; Apr. 22.
- White, John A., Jr.: *See—*
  - Gurries, Albert G., and White.
- White, Robert H., Jr.: *See—*
  - Harvey, Jacquelin E., Jr., White, and Vaughan.
- Wilcox, Fred B., Olympia, Wash. Apparatus for taking photographs. 2,419,474; Apr. 22.
- Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Induction motor speed control. 2,419,431; Apr. 22.
- Willis, Clodius H., Princeton, N. J., assignor to General Electric Company. Electronic converter. 2,419,466; Apr. 22.
- Wilson, Alford D. G., Buckhurst Hill, England. Lining tunnels. 2,419,329; Apr. 22.
- Wilson, Carroll J.: *See—*
  - McNab, John G., Wilson, and Winning.
- Wilson, Edward E., assignee: *See—*
  - Ault, John D.
- Wilson, Howard R., Lakewood, Ohio, assignor to National Carbon Company, Inc. Treating iron salt solutions. 2,419,240; Apr. 22.
- Wingate, James C., Jacksonville, Fla. One-man operated combination wire and marline serving mallet. 2,419,241; Apr. 22.
- Winning, Carl: *See—*
  - McNab, John G., Wilson, and Winning.
- Winter, John A.: *See—*
  - Holmes, John R., Winter, and Schultz.
- Wolf, Jack, Baltimore, Md. Brassière. 2,419,514; Apr. 22.
- Wolfert, Edward R.: *See—*
  - Hanna, Clinton R., and Wolfert.
- Wolk, I. Louis, Bartlesville, Okla., assignor to Phillips Petroleum Company. Preparation of 1,3-butylene glycol. 2,419,515; Apr. 22.
- Woodberry, John H., and F. W. Hoewischer, Metuchen, N. J. Cartridge feeder and orienter. 2,419,242; Apr. 22.
- Woodworth, N. A., Company, assignee: *See—*
  - Hohwart, George.
- Woolson, Harry T., and M. L. Carpentier, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Multiple engine power plant. 2,419,305; Apr. 22.
- Wright, Daniel K., Cleveland Heights, Ohio, assignor to General Electric Company. Electric projection lamp. 2,419,432; Apr. 22.
- Zeller, Frank, Brooklyn, N. Y., assignor to The Roberk Company, Norwalk, Conn. Clamping means for mirror devices and the like. 2,419,306; Apr. 22.
- Zottu, Paul D., assignor to The Girdler Corporation, Louisville, Ky. High frequency switching system. 2,419,307; Apr. 22.

LIST OF DESIGN INVENTIONS

Bar, Oil. E. G. Fossum. 146,647; Apr. 22.

Bar, Oil. E. G. Fossum and F. L. Ayres. 146,646; Apr. 22.

Book-end. R. L. MacDonald. 146,668; Apr. 22.

Brooch. A. Aquilino. 146,635; Apr. 22.

Brooch. F. J. Gargano. 146,651–3; Apr. 22.

Brooch or similar article. N. E. Jansen. 146,660; Apr. 22.

Buckle. M. Takata. 146,693; Apr. 22.

Cabinet for sound reproducing apparatus. D. C. Rockola. 146,682; Apr. 22.

Cabinet or the like, Radio. F. C. Burton. 146,641; Apr. 22.

Cabinet, Radio. R. D. Budlong. 146,640; Apr. 22.

Case for a camera. R. A. May. 146,673; Apr. 22.

Case or similar article, Vanity. R. T. Gaige. 146,649–50; Apr. 22.

Clip or similar article, Ear. E. Zimet. 146,696; Apr. 22.

Clothespin. V. J. Jacobsen. 146,658; Apr. 22.

Doll. E. B. Groshong. 146,654; Apr. 22.

Doll. I. Stokes. 146,692; Apr. 22.

Fabric, Textile. G. R. Davis. 146,644; Apr. 22.

Fabric, Textile. W. C. Palmer. 146,676–7; Apr. 22.

Fabric, Textile. W. Peirce. 146,680–1; Apr. 22.

Fabric, Textile. H. W. Wilde. 146,694; Apr. 22.

Figurine. N. E. Jansen. 146,661; Apr. 22.

Film material, Plastic. W. H. Southwick. 146,689–91; Apr. 22.

Frame for playground equipment. B. F. Leber. 146,665; Apr. 22.

Frame, Spectacle. M. B. Levoy. 146,666; Apr. 22.

Handle, Fishing rod. R. O. Baubie and V. J. McKendry. 146,636; Apr. 22.

Handle for coffee pots or the like. L. H. Snyder. 146,688; Apr. 22.

Handwheel, Valve. J. D. McManus and R. O. Hunt. 146,674; Apr. 22.

Hydrocycle. E. Jaeger. 146,659; Apr. 22.

Inkwell. R. W. Hamilton, Jr., and J. L. King. 146,656; Apr. 22.

Lamp. H. Rubin. 146,685–6; Apr. 22.

Lamp standard. J. R. Crawford. 146,642; Apr. 22.

Light for motor vehicles, Roof. H. Roeder. 146,683; Apr. 22.

Mat or similar article, Place. K. C. Hamilton. 146,655; Apr. 22.

Moistener, Envelope. A. H. Lippman. 146,667; Apr. 22.

Piano or similar article. A. P. Brown. 146,637–9; Apr. 22.

Pin, Lapel. F. J. Pearsall. 146,678–9; Apr. 22.

Pin or similar article. R. S. Mason and T. Cain. 146,671; Apr. 22.

Radio receiver. L. Kniep, Jr. 146,664; Apr. 22.

Recorder or similar article, Magnetic. W. C. Nichols. 146,675; Apr. 22.

Scarf or similar article. G. R. Davis. 146,643; Apr. 22.

Shoe or similar article. S. L. Kleven. 146,662–3; Apr. 22.

Stand, Lamp. S. Matzner. 146,672; Apr. 22.

Table. W. C. Ross. 146,684; Apr. 22.

Tablecloth or similar article. V. Heisley. 146,657; Apr. 22.

Tablecloth or similar article. J. S. Madsen. 146,669; Apr. 22.

Tray for smoking pipes. J. J. Magnelli and L. Mone. 146,670; Apr. 22.

Tray or similar article. S. S. Schmidt. 146,687; Apr. 22.

Unit for an oil bar, Dispensing. E. G. Fossum. 146,648; Apr. 22.

Vehicle. J. E. Donalson. 146,645; Apr. 22.

Vehicle and parcel carrier, Combination child's. W. J. Zepp. 146,695; Apr. 22.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 22D DAY OF APRIL, 1947

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acetone ketals, Preparation of. M. Senkus. 2,419,505; Apr. 22.

Acid polyamine soaps, Higher fatty. J. M. Johnson. 2,419,404; Apr. 22.

Acridine compounds and making same. J. H. Burckhalter, A. L. Rawlins, F. H. Tendick, E. M. Jones, and W. F. Holcomb. 2,419,200; Apr. 22.

Addressing machine and sheet feeding means therefor. H. P. Elliott. 2,419,345; Apr. 22.

Air conditioning. T. W. Binder. 2,419,477; Apr. 22.

Airplane arresting hook. J. G. Lee. 2,419,455; Apr. 22.

Airplane wing structure. W. K. Canaday. 2,419,332; Apr. 22.

Alkyl and hydroxyalkyl nitro amines and preparing them. M. Senkus. 2,419,506; Apr. 22.

Amines and nitriles from olefins and ammonia, Preparing. J. W. Teter. 2,419,470; Apr. 22.

Amino-benzo-p-dioxans, Derivatives of. R. C. Conn, F. H. Adams, and J. P. Goulding. 2,419,334; Apr. 22.

Antenna. E. B. Bigué. 2,419,311; Apr. 22.

Antenna system, Directive. C. B. H. Feldman. 2,419,205; Apr. 22.

Apparatus for catalytic conversion. T. P. Simpson, J. W. Payne, and J. A. Crowley, Jr. 2,419,508; Apr. 22.

Apparatus for cutting sheet metal and the like. F. E. Waring. 2,419,382; Apr. 22.

Apparatus for detecting and indicating and/or measuring ice formation on vehicles. C. C. S. Le Clair. 2,419,454; Apr. 22.

Apparatus for indirect X-ray photography. A. Bouwers. 2,419,478; Apr. 22.

Apparatus for mail treating machines, Tape feeding and cutting. C. D. Ryan and E. P. Drake. 2,419,288; Apr. 22.

Apparatus for orienting drill stems. G. A. Smith. 2,419,468; Apr. 22.

Apparatus for polyphase alternating units, Protective. J. Daniel, M. Troster, Jr., and N. W. Sederberg. 2,419,269; Apr. 22.

Apparatus for positioning fish, Conveyor. C. M. Savrda and W. H. Hunt. 2,419,289; Apr. 22.

Apparatus for preventing contamination of well liners. E. E. Byrd. 2,419,313; Apr. 22.

Apparatus for taking photographs. F. B. Wilcox. 2,419,474; Apr. 22.

Apparatus for vibrating metals during casting. J. F. Schrumm. 2,419,373; Apr. 22.

Arm rest. W. McArthur. 2,419,412; Apr. 22.

Arsenic compounds of phenyl-hydrazo-naphthol sulfonic acids. E. A. H. Friedheim. 2,419,348; Apr. 22.

Attachment for photographic apparatus. J. Omel. 2,419,417; Apr. 22.

Barbecue, Portable. E. G. Eggleston. 2,419,344; Apr. 22.

Benzothiazole sulfenamides as fungicides. J. B. Skaptason. 2,419,294; Apr. 22.

Blower. R. A. Mayne. 2,419,411; Apr. 22.

Board: *See*—
  Plotting board.

Board and paper, Production of coated. H. C. Fisher. 2,419,207; Apr. 22.

Boron fluoride recovery process. W. A. Schulze and W. N. Axe. 2,419,504; Apr. 22.

Bottle carrier. D. McCalla. 2,419,413; Apr. 22.

Bottle, Vacuum. A. M. Senter, Jr. 2,419,291; Apr. 22.

Brassière. J. Wolf. 2,419,514; Apr. 22.

Brush structure with parallel flakes. A. C. Korte. 2,419,356; Apr. 22.

Buffer. G. E. Dath. 2,419,254; Apr. 22.

Building core unit, Portable utility. J. F. Lankton. 2,419,319; Apr. 22.

Burner: *See*—
  Oil burner.

Butadiene by distractive distillation with nitroparaffin solvents, Purification of. D. Craig. 2,419,335; Apr. 22.

Butadiene desorption method. R. A. Given. 2,419,350; Apr. 22.

Butadiene, styrene, and ethyl acrylate, Interpolymerizing. G. F. D'Alelio. 2,419,202; Apr. 22.

Cable clamp. N. Tarnow. 2,419,426; Apr. 22.

Cable hanger. J. P. Montgomery and F. H. Pierson. 2,419,364; Apr. 22.

Cable stripper. C. S. Vaughan, Jr. 2,419,511; Apr. 22.

Cap. A. H. Warth and E. Lidard. 2,419,304; Apr. 22.

Car: *See*—
  Convertible railway car.

Car brake head. C. R. Busch. 2,419,312; Apr. 22.

Carbon contaminated catalysts, Regenerating. M. H. Arveson. 2,419,245; Apr. 22.

Carbon monoxide oxidation catalyst, Making. J. G. Dely. 2,419,255; Apr. 22.

Carrier: *See*—
  Bottle carrier.

Carrier for textile machines, Bobbin and weft. A. Morf. 2,419,415; Apr. 22.

Carton, Hinged cover triangular. R. Van Rosen. 2,419,510; Apr. 22.

Cartridge. M. Schlumberger. 2,419,371; Apr. 22.

Case and lighter, Dispensing cigarette. R. M. Long. 2,419,409; Apr. 22.

Catalysts, Polymerization. V. L. Folt and F. W. Shaver. 2,419,347; Apr. 22.

Catalysts, Preparing. K. C. Edson and F. E. Fisher. 2,419,343; Apr. 22.

Catalytic conversion. T. P. Simpson, J. W. Payne, and J. A. Crowley, Jr. 2,419,507; Apr. 22.

Cellulose, Dissolving. S. M. Edelstein. 2,419,341; Apr. 22.

Ceramic material. C. F. Schaefer. 2,419,290; Apr. 22.

Chain. M. A. Lopes. 2,419,321; Apr. 22.

Check valve J. P. Johnson. 2,419,318; Apr. 22.

Cheese container. A. F. Tanner. 2,419,299; Apr. 22.

Chute, Flexible. H. E. Elliott. 2,419,315; Apr. 22.

Circuit: *See*—
  Magneto magnetic circuit.

Circuit breaker, Electric. C. H. Flurscheim. 2,419,446; Apr. 22.

Circuit for indicating ice formation, Electronic. W. H. Kliever and R. M. Franzel. 2,419,266; Apr. 22.

Circuit for polarized compound electromagnet, Electric. O. S. Field. 2,419,258; Apr. 22.

Circuit interrupter, Electric. G. L. Barcus and A. C. Boisseau. 2,419,434; Apr. 22.

Circuit interrupter, Electric. J. D. Gayer, E. J. Frank, and A. C. Boisseau. 2,419,447; Apr. 22.

Circuits, Electric valve. B. D. Bedford. 2,419,465; Apr. 22.

Circuits, Pulse widening. A. Easton. 2,419,340; Apr. 22.

Circuits, Voltage control and stabilizing. A. H. Lord, Jr. 2,419,496; Apr. 22.

Clamp: *See*—
  Cable clamp.
  Fire nozzle control clamp.
  Parallel screw clamp.

Clamping means for mirror, devices and the like. F. Zeller. 2,419,306; Apr. 22.

Cleaner: *See*—
  Convertible vacuum cleaner.

Clip for securing conduits, wiring, and the like to structural parts, Spring. E. V. Hall. 2,419,317; Apr. 22.

Clothes drying rack. G. G. Bridges. 2,419,249; Apr. 22.

Clutch mechanism. W. H. Silver. 2,419,467; Apr. 22.

Communication system. E. H. B. Bartelink. 2,419,193; Apr. 22.

Comparator gauge. W. F. Aller. 2,419,433; Apr. 22.

Container: *See*—
  Cheese container.

Condenser assembling machine. H. I. Danziger. 2,419,484; Apr. 22.

Contacts, Manufacturing electrical. B. E. Spiro. 2,419,469; Apr. 22.

Container and lighter, Combination cigarette. R. Mayer. 2,419,458; Apr. 22.

Contours, Grinding. R. A. Mahlmeister. 2,419,457; Apr. 22.

Control for refrigeration systems, Thermostatic. B. E. Shaw. 2,419,376–7; Apr. 22.

Control system. T. H. Petch, Jr., and H. W. C. Liddiard. 2,419,462; Apr. 22.

Control system, Fire. G. E. White. 2,419,239; Apr. 22.

Control system for hydraulic hoist. H. Randolph and G. A. Kane. 2,419,367; Apr. 22.

Control system for hydraulic motors. T. F. Stacy. 2,419,235; Apr. 22.

Conversion apparatus, Electronic power. A. Schmidt, Jr. 2,419,464; Apr. 22.

Converter, Electronic. C. H. Willis. 2,419,466; Apr. 22.

Convertible railway car. C. E. Newton. 2,419,498; Apr. 22.

Convertible vacuum cleaner. M. W. Fraser. 2,419,490; Apr. 22.

Cooker. R. Groetchen. 2,419,261; Apr. 22.

Cooler: *See—*
  Oil cooler.
Cooling system for transformers. R. H. Cook. 2,419,439; Apr. 22.
Cooling unit. I. T. Hollhan. 2,419,234; Apr. 22.
Cooling unit. D. L. Spender. 2,419,233; Apr. 22.
Copolymers of 2-halogeno-allyl-alcohol or 2-halogeno-allyl esters. W. O. Kenyon and J. H. Van Campen. 2,419,221; Apr. 22.
Corrosion inhibitors—nitrite salts of secondary amines. A. Wachter and N. Stillman. 2,419,327; Apr. 22.
Coupling: *See—*
  Reducing coupling.
Coupling. A. T. Scheiwer. 2,419,503; Apr. 22.
Cover: *See—*
  Smoke pot cover.
Cradle, Slipway. C. E. Miles. 2,419,361; Apr. 22.
Crankshaft. W. A. Lightowler. 2,419,408; Apr. 22.
Crankshaft, Counterweighted. C. J. McDowall and D. Gerdan. 2,419,274; Apr. 22.
Cuff, Sanitary. V. Muccillo. 2,419,279; Apr. 22.
Curtain construction. E. Lepow. 2,419,407; Apr. 22.
Deck for cooling towers, Distribution. E. R. Ketchum. 2,419,452; Apr. 22.
Dental unit. R. L. Roof. 2,419,370; Apr. 22.
Detecting apparatus, Photoelectric. E. B. McDowell and E. M. Gardiner. 2,419,459; Apr. 22.
Deterioration of electrodes in heat-treating, Preventing. F. C. Ames. 2,419,383; Apr. 22.
Device for automatic push rods, Anticrashing. H. H. Engemann. 2,419,316; Apr. 22.
Device for carrying luggage and other articles. A. Schulein. 2,419,422; Apr. 22.
Dialkyl-dihydroxy-diphenyl-hexadienes and their derivatives. A. Bloom and V. Niederl. 2,419,516; Apr. 22.
Discharge device having constant starting characteristics, Electrical gaseous. P. W. Stutsman. 2,419,236; Apr. 22.
Dispensing mechanism. M. Glassner. 2,419,351; Apr. 22.
Display device having animation effects, Illuminated. F. Hotchner. 2,419,216; Apr. 22.
Door stop. W. Hilton. 2,419,449; Apr. 22.
Drape fixture. L. M. Dixon. 2,419,486; Apr. 22.
Drier with collapsible supports, Clothes. A. L. Palmer. 2,419,226; Apr. 22.
Drive unit. M. Doniak. 2,419,392; Apr. 22.
Dry cells, Manufacturing. H. R. C. Anthony. 2,419,244; Apr. 22.
Electric lamp. A. G. Foote. 2,419,395; Apr. 22.
Electric projection lamp. D. K. Wright. 2,419,432; Apr. 22.
Electric water heater. O. M. Volles. 2,419,429; Apr. 22.
Electronic device. J. R. Desch and R. E. Mumma. 2,419,485; Apr. 22.
Eradicator, Boll weevil. C. V. Henley. 2,419,353; Apr. 22.
Fabrics, Making matched. A. Cadous. 2,419,389; Apr. 22.
Fastening means for paperboard boxes, cartons, and the like, Corner. J. D. Crary. 2,419,391; Apr. 22.
Feed mechanism for manifolding machines, Ribbon. R. W. Ritzert. 2,419,369; Apr. 22.
Feeder and orienter, Cartridge. J. H. Woodberry and F. W. Hoewischer. 2,419,242; Apr. 22.
Fibers, Process and apparatus for producing staple. J. L. Lohrke. 2,419,320; Apr. 22.
Film, Polyvinyl alcohol. M. V. Noble. 2,419,281; Apr. 22.
Fire escape. H. R. H. Ludelfs. 2,419,359; Apr. 22.
Fire nozzle control clamp. F. J. Doyle. 2,419,393; Apr. 22.
Firing mechanism. S. Gilbert. 2,419,349; Apr. 22.
Fish lure. P. Slough. 2,419,295; Apr. 22.
5-diethylamino-2-pentanone, Preparation of. S. E. Forman. 2,419,259; Apr. 22.
Flotation apparatus including recycling means, Multiple cell. S. E. Meyer. 2,419,497; Apr. 22.
Flour in bags, Compacting. H. Anderson. 2,419,330; Apr. 22.
Fluid power wheel. J. D. Ault. 2,419,384; Apr. 22.
Folding vehicle wheel. G. W. Fletcher. 2,419,445; Apr. 22.
Foods, Freezing of. M. Van Etten. 2,419,380; Apr. 22.
Frames, Folding spectacle. W. G. Vasey. 2,419,303; Apr. 22.
Furnace having sequentially arranged gas heating tubes. R. Ruegg. 2,419,463; Apr. 22.
Fuse, Electric. E. P. Brus. 2,419,251; Apr. 22.
Fuse, Renewable cartridge. E. P. Brus. 2,419,250; Apr. 22.
Gaff guard. A. Minney. 2,419,363; Apr. 22.
Gage: *See—*
  Comparator gage.
  Slip gage.
Garment, Combination. H. Wahlberg. 2,419,513; Apr. 22.
Garment hanger. S. Behr. 2,419,435; Apr. 22.
Garment hanger. F. Miller. 2,419,362; Apr. 22.
Gas heated embossing press. H. Lish. 2,419,271; Apr. 22.
Gasoline using adsorptive catalysts, Manufacture of. J. W. Teter. 2,419,427; Apr. 22.
Gauge: *See—*
  Comparator gauge.
  Slip gauge.
Gauge for measuring ball-bearing inner race grooves, Electric. J. J. Neff. 2,419,461; Apr. 22.
Gauge for measuring the radial freedom of anti-friction bearings in their races, Electronic. J. J. Neff. 2,419,280; Apr. 22.
Generator: *See—*
  Pulse generator.
Glass and manufacture thereof. H. A. Truby. 2,419,302; Apr. 22.
Glazing unit, Multiple. C. D. Haven. 2,419,400; Apr. 22.
Gloss in printing, Control of. H. C. Fisher. 2,419,206; Apr. 22.
Grenade device, Tree suspension. C. R. Weinert. 2,419,430; Apr. 22.
Gun and supply system for same, Cement or refractory material. S. B. Maurer. 2,419,410; Apr. 22.
Halogenated compounds, Production of. W. H. Peterson and K. D. Detling. 2,419,500; Apr. 22.
Hams, Boning. P. J. Staab. 2,419,424; Apr. 22.
Hanger: *See—*
  Cable hanger.
  Garment hanger.
Hanger device. L. D. Golden. 2,419,398; Apr. 22.
Heater: *See—*
  Electric water heater.
  Water heater.
Heating unit, Electric toaster. L. J. Koci. 2,419,355; Apr. 22.
Hemimellitene, Recovery of. S. F. Birch and R. A. Lowry. 2,419,247; Apr. 22.
Hoe, Tractor grape. E. Best. 2,419,331; Apr. 22.
Holder and warmer for liquid containers. S. J. Mustain. 2,419,416; Apr. 22.
Hook: *See—*
  Airplane arresting hook.
  Tailless airplane arresting hook.
Hook for aircraft, Telescoping-retracting. J. R. Clark. 2,419,438; Apr. 22.
Hydrocarbon conversion, Catalysts for. K. C. Edson and F. E. Fisher. 2,419,342; Apr. 22.
Hydrocarbon oils, Conversion of. R. N. Meinert and P. H. Holt. 2,419,323; Apr. 22.
Hydrocarbon wood preserving impregnant, Reformed. J. E. Harvey, Jr., R. H. White, and J. A. Vaughan. 2,419,212; Apr. 22.
Hydrocarbons, Conversion of. S. C. Eastwood. 2,419,517; Apr. 22.
Hydrocarbons, Conversion of. L. P. Evans. 2,419,519; Apr. 22.
Hydrocarbons, Isomerization of normal paraffin. E. E. Sensel, H. V. Atwell, and A. R. Goldsby. 2,419,423; Apr. 22.
Hydrocarbons, Recovery of aromatic. J. W. Waldron. 2,419,521; Apr. 22.
Hydrogen cyanide recovery. J. Mitchell, W. H. Hill, and H. A. Gollmar. 2,419,225; Apr. 22.
Implement for removal of ice cubes from trays. G. J. van Lennep. 2,419,381; Apr. 22.
Impregnating and coating machine. R. K. Goodlatte. 2,419,260; Apr. 22.
Indicator: *See—*
  Theater program schedule indicator.
Indicator for grinding crankshafts, Angularity. P. F. Koebbe. 2,419,406; Apr. 22.
Inkstand and pen rack. L. A. Rhodes. 2,419,285; Apr. 22.
Insulated pipe. J. O. Motsenbocker, Jr. 2,419,278; Apr. 22.
Insulating composition, Electric. L. E. Thiess. 2,419,472; Apr. 22.
Internal-combustion motor. G. E. Howard. 2,419,450; Apr. 22.
Iron salt solutions, Treating. H. R. Wilson. 2,419,240; Apr. 22.
Jig, Drilling. A. Mettrick and D. Hook. 2,419,223; Apr. 22.
Juice product, Making fermented. W. A. Rooker. 2,419,286; Apr. 22.
Kite. N. P. de Roda. 2,419,441; Apr. 22.
Knitting machine. F. Lambach. 2,419,222; Apr. 22.
Lamp: *See—*
  Electric lamp.
  Electric projection lamp.
Lapping tool. J. F. Steigerwald. 2,419,297; Apr. 22.
Lead pigments, Making. L. E. Barton. 2,419,246; Apr. 22.
Lenses with respect to effective physical speed, Calibrating. L. T. Sachtleben. 2,419,421; Apr. 22.
Letoff mechanism for looms. O. V. Payne. 2,419,419; Apr. 22.
Level, Adjustable spirit. E. A. Keller. 2,419,451; Apr. 22.
Lighter, Cigarette. J. H. Homrighous. 2,419,402; Apr. 22.
Liquids, Atomizing. T. Nagel. 2,419,365; Apr. 22.
Load spacing assembly. C. M. Ellis. 2,419,346; Apr. 22.
Loader, Farm. J. M. Hoff. 2,419,493; Apr. 22.
Low-pressure laminate. J. Delmonte. 2,419,440; Apr. 22.
Lubricant. L. D. Cahill. 2,419,253; Apr. 22.
Lubricating composition. J. M. Musselman. 2,419,325; Apr. 22.
Magnesium hydroxide, Production of concentrated slurries of. F. Elkington and H. H. Chesny. 2,419,204; Apr. 22.
Magnetic recording, Apparatus and method for. S. J. Begun. 2,419,195; Apr. 22.

Magneto magnetic circuit. H. R. Tragesser. 2,419,301; Apr. 22.
Melting of coating on continuous metallic strip, Automatically controlling the. R. W. Holman, G. R. Myers, and G. H. Rencel. 2,419,214; Apr. 22.
Metal articles and making the same, Electroplated corrosion proof. D. H. Schantz. 2,419,231; Apr. 22.
Metal parts, Prevention of seizure of. W. A. Bychinsky, J. T. Ford, and W. S. Kirk. 2,419,252; Apr. 22.
Metal to loop formation, Method and apparatus for bending. W. R. Oyston. 2,419,418; Apr. 22.
Meter: *See—*
  Ultra high frequency wave meter.
Metering system, Remote-control. W. R. Dresser. 2,419,487; Apr. 22.
Monochloro derivatives of unsaturated nitriles, Production of. H. A. Dutcher. 2,419,488; Apr. 22.
Mounting for carbon pile voltage regulators, Armature. J. Gartner. 2,419,491; Apr. 22.
Motor: *See—*
  Internal-combustion motor.
  Retarded shaded pole motor.
  Plural pole number induction motor.
Multigem setting. B. Tessler. 2,419,520; Apr. 22.
Multiplying machine. F. R. Saxby. 2,419,502; Apr. 22.
(N′-alkylpiperazino) alkanol esters. E. H. Northey and M. E. Hultquist. 2,419,366; Apr. 22.
Nailing ground, Self-clinching. M. R. Price. 2,419,420; Apr. 22.
Nozzle. A. S. Pitre, F. G. Cowen, and J. N. Pouget. 2,419,228; Apr. 22.
Nozzle, Air. C. S. J. Berg. 2,419,386; Apr. 22.
Oil burner. H. S. Cress. 2,419,336; Apr. 22.
Oil composition, Lubricating. J. G. McNab, C. J. Wilson, and C. Winning. 2,419,360; Apr. 22.
Oil cooler. J. R. Holmes, J. A. Winter, and I. M. Schultz. 2,419,264; Apr. 22.
Oil treatment, Tall. G. C. Harris. 2,419,211; Apr. 22.
1-hydroxy-4-arylamino anthraquinones, Preparing. D. X. Klein. 2,419,405; Apr. 22.
1,3-butylene glycol, Production of. F. J. Metzger. 2,419,275; Apr. 22.
1,3-butylene glycol, Production of. R. C. Tollefson. 2,419,300; Apr. 22.
1,3-butylene glycol, Preparation of. I. L. Wolk. 2,419,515; Apr. 22.
Organic compounds, Dehydrohalogenating halogenated. R. E. Bowman. 2,419,198; Apr. 22.
Padlock. J. Hines. 2,419,213; Apr. 22.
Paint applying device, Portable. J. C. De Marco. 2,419,338; Apr. 22.
Parallel screw clamp. J. G. Linnartz. 2,419,270; Apr. 22.
Paste, Fabric treating. E. P. Hartsfield and J. L. Richmond. 2,419,399; Apr. 22.
Pen, Fountain. G. D. Cloutier. 2,419,483; Apr. 22.
Phase responsive circuit. C. W. Johnstone. 2,419,219; Apr. 22.
Pipe: *See—*
  Insulated pipe.
  Smoking pipe.
Piston and cylinder construction. W. M. Anderson. 2,419,192; Apr. 22.
Plant, Multiple engine power. H. T. Woolson and M. L. Carpentier. 2,419,305; Apr. 22.
Plotting board. P. G. Edwards. 2,419,203; Apr. 22.
Plural pole number induction motor. J. D. Lewis. 2,419,268; Apr. 22.
Polyamide compositions, Production of. R. W. Moncrieff, C. W. Sammons, and E. W. Wheatley. 2,419,277; Apr. 22.
Position regulator. C. R. Hanna and E. R. Wolfert. 2,419,210; Apr. 22.
Power transmission. R. A. Shartle. 2,419,374; Apr. 22.
Power transmission having a plural pump fluid pressure source and a flow-regulating diverting valve. R. A. Shartle. 2,419,375; Apr. 22.
Press: *See—*
  Gas heated embossing press.
Presser device for sewing machines. A. B. Clayton. 2,419,482; Apr. 22.
Presser device for sewing machines. N. Knaus. 2,419,494; Apr. 22.
Pressure control system, Fluid. W. A. Eaton. 2,419,443; Apr. 22.
Printing machine. A. J. Horton and W. K. Eckhard. 2,419,403; Apr. 22.
Projectile. H. H. Mohaupt. 2,419,414; Apr. 22.
Protein-resin bonded sheet abrasive. A. C. Barwell. 2,419,194; Apr. 22.
Pulse generator. E. E. Crump and L. G. Kersta. 2,419,201; Apr. 22.
Pulse generator. E. Peterson. 2,419,227; Apr. 22.
Quinoline compounds and making same. J. H. Durckhalter, A. L. Rawlins, F. H. Tendick, E. M. Jones, and W. F. Holcomb. 2,419,199; Apr. 22.
Rack: *See—*
  Clothes drying rack.
  Sterilizing rack.
Rack for railway cars, Spraying. J. R. Frohoff and K. J. Glasmann. 2,419,397; Apr. 22.
Reducing coupling. A. Kocevar. 2,419,453; Apr. 22.
Regulating system for coal pulverizing mills, Coal feed and air flow. M. J. Boho. 2,419,436; Apr. 22.
Regulator: *See—*
  Position regulator.
Relay device, Time pulsing. L. A. Scholz. 2,419,232; Apr. 22.
Remote control means for electrical circuits. D. A. Miller and F. Deauville. 2,419,276; Apr. 22.
Retarded shaded pole motor. N. P. W. Frisk. 2,419,396; Apr. 22.
Retriever appliance for operating utensils such as erasers, pens, pencils, and the like, Automatic. O. Hoppman. 2,419,215; Apr. 22.
Rubber, Preservation of synthetic. L. H. Howland and B. A. Hunter. 2,419,354; Apr. 22.
Rubber, Producing pigmented. V. C. Vesce. 2,419,512; Apr. 22.
Safety device for looms. H. Bricout. 2,419,437; Apr. 22.
Salts of glutamic acid, Manufacture of. H. W. Dorn. 2,419,256; Apr. 22.
Scarf, Convertible fur. H. A. Reich. 2,419,368; Apr. 22.
Scouring apparatus. H. S. Gordon. 2,419,448; Apr. 22.
Screw-thread gage. G. Hohwart. 2,419,263; Apr. 22.
Seal, Flexible. K. A. Beier. 2,419,385; Apr. 22.
Seal, Syringe plunger. W. E. Hinds. 2,419,401; Apr. 22.
Sealing composition. P. W. Millelot, Jr. 2,419,224; Apr. 22.
Sealing machine. C. H. Barr. 2,419,475; Apr. 22.
Sewage treatment. W. H. Green. 2,419,492; Apr. 22.
Sheet material for the electrolytic formation of an azo dyestuff thereon, Fibrous. M. Solomon. 2,419,296; Apr. 22.
Shield, Head. M. L. K. Reich. 2,419,284; Apr. 22.
Shield, Loop antenna. R. H. Bryan and T. L. Johnston. 2,419,480; Apr. 22.
Shoe cap construction, Open toe. O. Chertok. 2,419,390; Apr. 22.
Shoe of special construction. R. D. Bowen. 2,419,479; Apr. 22.
Shoe sole. J. M. Bierer. 2,419,387; Apr. 22.
Signal for railroads, Light. O. S. Field. 2,419,444; Apr. 22.
Signal for railroads, Light. T. J. Judge. 2,419,265; Apr. 22.
Silica-containing hydrogel, Forming a. M. M. Marisic and A. C. Schmitt. 2,419,272; Apr. 22.
Skylight construction. G. H. Lenke. 2,419,267; Apr. 22.
Slip gage. E. W. Evans. 2,419,257; Apr. 22.
Smoke pot cover. H. E. Krasner and B. Klausner. 2,419,357; Apr. 22.
Smoking pipe. J. L. Turner. 2,419,509; Apr. 22.
Snow plow, Motor vehicle. S. Eliot. 2,419,489; Apr. 22.
Socket, Electrical. K. M. McLaughlin. 2,419,460; Apr. 22.
Solenoid. W. J. Christiansen. 2,419,333; Apr. 22.
Speed control, Induction motor. L. S. Williams. 2,419,431; Apr. 22.
Splint and the like. S. P. Lovell. 2,419,358; Apr. 22.
Spreader, Self-loading material. A. G. Gurries and J. A. White, Jr. 2,419,262; Apr. 22.
Sterilizing rack. G. A. Anderson. 2,419,191; Apr. 22.
Stethoscope, Amplified. M. F. Thibos. 2,419,471; Apr. 22.
Stop mechanism. P. E. H. Eichinger. 2,419,518; Apr. 22.
Storm window. J. Sylvan. 2,419,425; Apr. 22.
Stove, Magazine. O. T. Tindell, Jr. 2,419,379; Apr. 22.
String or the like, Manufacture of. J. H. Watson, H. E. Anderson, and E. R. Angel. 2,419,328; Apr. 22.
Sulfenamides, Manufacture of. P. T. Paul and B. A. Hunter. 2,419,283; Apr. 22.
Sulphur production. A. Belchetz. 2,419,309–10; Apr. 22.
Sulphur, Treatment of insoluble. E. C. Missbach. 2,419,324; Apr. 22.
Supply for electron microscopes, Power. A. W. Vance. 2,419,428; Apr. 22.
Support for fishing poles. O. H. Thomas, W. H. O'Neal, and F. P. Sword. 2,419,378; Apr. 22.
Switching system, High frequency. P. D. Zottu. 2,419,307; Apr. 22.
System for transmitting two simultaneous intelligencies. F. H. Shepard, Jr. 2,419,292; Apr. 22.
Tailless airplane arresting hook. J. G. Lee. 2,419,456; Apr. 22.
Teeth, Fitting. L. H. Blanchard. 2,419,248; Apr. 22.
Telephone handset. K. H. Blomberg and R. A. G. Lysell. 2,419,388; Apr. 22.
Telephone system. J. E. Ostline. 2,419,282; Apr. 22.
Tension control arrangement for winding systems. E. J. Schneider. 2,419,372; Apr. 22.
Theater program schedule indicator. F. A. Erhard. 2,419,394; Apr. 22.
Therapeutic compositions and preparing same. S. L. Ruskin. 2,419,230; Apr. 22.
Threader, Needle. E. E. Lehmann. 2,419,495; Apr. 22.
3-hydroxy cholanic acid and making them, Derivatives of. E. C. Kendall. 2,419,220; Apr. 22.
Time-delay device for actuating valves and the like. R. D. Delamere. 2,419,337; Apr. 22.
Toaster. N. Schafnitz. 2,419,326; Apr. 22.
Tool: *See—*
  Lapping tool.
Tool for forcing the bead of partially mounted tire into the rim. R. J. Heitzman. 2,419,352; Apr. 22.

Trailer, Logging. C. E. Dorsey, Jr. 2,419,442; Apr. 22.
Transducer, Electroacoustic. H. Benioff. 2,419,196–7; Apr. 22.
Translating material and device and making them. R. G. Treuting. 2,419,237; Apr. 22.
Transmission level luffing device for derricks and jib cranes, Variable. R. Goodman and H. J. Jacoby. 2,419,209; Apr. 22.
Trap for drain pipes, Debris accumulating and separating. A. A. Pinto. 2,419,501; Apr. 22.
Tray, Cafeteria. C. G. Preis. 2,419,229; Apr. 22.
Truck for handling barrels, Hand. J. M. Donald. 2,419,314; Apr. 22.
Truck structure and assembling and disassemblying the same, Railway. J. C. Travilla, Jr. 2,419,473; Apr. 22.
Tunnels, Lining. A. D. G. Wilson. 2,419,329; Apr. 22.
Ultra high frequency wave meter. G. R. Frantz and A. F. Pomeroy. 2,419,208; Apr. 22.
Unsaturated materials, Solvent extraction of. J. C. D. Oosterhout and T. C. Roddy, Jr. 2,419,499; Apr. 22.
Valve: *See*—
  Check valve.
Valve structure. H. B. Carbon. 2,419,481; Apr. 22.
Valve tester, Relief. H. E. Simonson. 2,419,293; Apr. 22.
Valves, Making. E. F. Allen and L. M. Burrows. 2,419,243; Apr. 22.
Vaporizer, Engine fuel. P. E. Stille. 2,419,298; Apr. 22.
Varnish, Blown wrinkle. W. A. Waldie. 2,419,238; Apr. 22.
Vehicle for exploding land mines, and for tamping ground. E. W. Austin. 2,419,308; Apr. 22.
Vessels, Construction of metal. N. C. Jannsen. 2,419,218; Apr. 22.
Viewer, Transparent picture. R. N. Dennis. 2,419,339; Apr. 22.
Water heater. E. D. Marquette. 2,419,273; Apr. 22.
Weatherstrip, Composite. W. R. Matheny. 2,419,322; Apr. 22.
Weighing apparatus. H. D. Isenberg. 2,419,217; Apr. 22.
Wheel: *See*—
  Fluid power wheel.
  Folding vehicle wheel.
Winding control means for magnetic recording and reproducing apparatus. S. J. Begun. 2,419,476; Apr. 22.
Window pane and the like. H. E. Rudy. 2,419,287; Apr. 22.
Wire and marline serving mallet, One-man operated combination. J. C. Wingate. 2,419,241; Apr. 22.

CLASSIFICATION OF PATENTS

ISSUED APRIL 22, 1947

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

2— 42: 2,419,514
65: 2,419,368
71: 2,419,513
174: 2,419,284
232: 2,419,279
8— 116.2: 2,419,399
12— 142: 2,419,479
13— 23: 2,419,383
15— 14: 2,419,490
16— 86: 2,419,449
17— 45: 2,419,424
19— 1: 2,419,320
20— 2: 2,419,319
56.4: 2,419,287
56.5: 2,419,400
69: 2,419,322
21— 105: 2,419,191
22— 57: 2,419,373
23— 51: 2,419,246
119: 2,419,240
151: 2,419,225
201: 2,419,204
205: 2,419,504
224: 2,419,324
263: 2,419,508
294: 2,419,309
2,419,310
24— 81: 2,419,393
28— 72: 2,419,389
75: 2,419,328
29— 25.42: 2,419,484
155.55: 2,419,469
157.1: 2,419,243
191.6: 2,419,231
32— 8: 2,419,248
22: 2,419,370
33— 98: 2,419,203
143: 2,419,280
147: 2,419,433
148: 2,419,461
199: 2,419,263
208: 2,419,451
34— 197: 2,419,226
36— 1: 2,419,390
30: 2,419,387
37— 43: 2,419,489
40— 130: 2,419,216
43— 15: 2,419,378
37: 2,419,295
140: 2,419,353
51— 18: 2,419,448
184.3: 2,419,297
239: 2,419,406
281: 2,419,457
300: 2,419,194
57— 10: 2,419,241

59— 13: 2,419,418
60— 52: 2,419,235
2,419,374
2,419,375
53: 2,419,367
61— 45: 2,419,329
67: 2,419,361
62— 4: 2,419,376
2,419,377
102: 2,419,380
63— 28: 2,419,520
65— 53: 2,419,229
66— 1: 2,419,222
70— 38: 2,419,213
72— 105: 2,419,420
73— 4: 2,419,293
298: 2,419,257
74— 219: 2,419,392
603: 2,419,274
605: 2,419,408
77— 62: 2,419,223
81— 9.5: 2,419,511
88— 1: 2,419,339
14: 2,419,421
16: 2,419,394
44: 2,419,303
91— 42: 2,419,260
45: 2,419,410
62.5: 2,419,338
95— 11: 2,419,474
97— 43: 2,419,308
73: 2,419,467
137: 2,419,331
99— 34: 2,419,286
269: 2,419,299
395: 2,419,326
423: 2,419,261
101— 9: 2,419,271
137: 2,419,403
102— 7.4: 2,419,349
46: 2,419,371
56: 2,419,414
63: 2,419,430
105— 190: 2,419,473
327: 2,419,498
367: 2,419,346
106— 46: 2,419,290
2,419,472
53: 2,419,302
172: 2,419,224
203: 2,419,341
108— 16: 2,419,267
112— 235: 2,419,482
2,419,494
114— 79: 2,419,218
117— 60: 2,419,206

117— 60: 2,419,207
120— 4: 2,419,285
36: 2,419,215
52: 2,419,483
123— 55: 2,419,305
78: 2,419,450
90: 2,419,316
126— 25: 2,419,344
73: 2,419,379
109: 2,419,463
246: 2,419,416
128— 90: 2,419,358
218: 2,419,401
131— 205: 2,419,509
134— 123: 2,419,397
136— 175: 2,419,244
138— 64: 2,419,278
139— 110: 2,419,419
353: 2,419,437
144— 301: 2,419,270
154— 117: 2,419,357
128: 2,419,440
155— 198: 2,419,412
157— 6: 2,419,352
160— 91: 2,419,425
330: 2,419,407
341: 2,419,486
161— 9: 2,419,337
164— 47: 2,419,382
49: 2,419,288
166— 20: 2,419,313
167— 33: 2,419,294
170— 27: 2,419,384
171— 97: 2,419,201
2,419,227
2,419,464
2,419,466
209: 2,419,301
231: 2,419,462
312: 2,419,276
2,419,428
2,419,496
325: 2,419,356
172— 239: 2,419,210
2,419,396
245: 2,419,219
274: 2,419,268
278: 2,419,431
173— 328: 2,419,460
175— 335: 2,419,258
341: 2,419,333
342: 2,419,491
361: 2,419,439
176— 32: 2,419,395
34: 2,419,432
177— 311: 2,419,266

177— 311: 2,419,417
327: 2,419,265
329: 2,419,444
351: 2,419,487
380: 2,419,232
386: 2,419,196
2,419,197
179— 15: 2,419,292
18: 2,419,282
100.2: 2,419,195
2,419,476
103: 2,419,388
181— 24: 2,419,471
187— 29: 2,419,269
188— 90: 2,419,272
243: 2,419,312
193— 25: 2,419,315
43: 2,419,242
196— 52: 2,419,323
2,419,427
2,419,507
2,419,517
2,419,519
149: 2,419,212
197— 153: 2,419,369
198— 34: 2,419,289
189: 2,419,321
200— 6: 2,419,307
52: 2,419,518
130: 2,419,251
131: 2,419,250
148: 2,419,434
2,419,446
2,419,447
202— 39.5: 2,419,335
57: 2,419,521
204— 2: 2,419,296
77: 2,419,515
206— 41.3: 2,419,409
209— 168: 2,419,497
210— 8: 2,419,492
90: 2,419,501
211— 117: 2,419,249
212— 8: 2,419,209
213— 221: 2,419,254
214— 65.4: 2,419,314
140: 2,419,493
215— 13: 2,419,291
39: 2,419,304
219— 11: 2,419,214
19: 2,419,355
32: 2,419,402
2,419,458
38: 2,419,429
39: 2,419,273
223— 88: 2,419,362

223— 88: 2,419,435
99: 2,419,495
224— 48: 2,419,413
226— 89: 2,419,475
227— 27: 2,419,363
33: 2,419,359
229— 22: 2,419,510
35: 2,419,391
230— 134: 2,419,411
235— 61: 2,419,502
241— 34: 2,419,436
242— 120: 2,419,415
244— 85: 2,419,443
110: 2,419,438
2,419,455
2,419,456
117: 2,419,332
134: 2,419,454
153: 2,419,441
248— 29: 2,419,398
61: 2,419,364
74: 2,419,317
226: 2,419,306
250— 1.72: 2,419,239
11: 2,419,205
17: 2,419,193
27.5: 2,419,236
2,419,485
31: 2,419,237
33: 2,419,311
2,419,480
39: 2,419,208
41.5: 2,419,459
65: 2,419,478
251— 76: 2,419,298
113: 2,419,481
125: 2,419,318
252— 21: 2,419,253
25: 2,419,252
32.7: 2,419,325
42.7: 2,419,360
211.5: 2,419,342
242: 2,419,245
251: 2,419,343
259.2: 2,419,255
317: 2,419,272
392: 2,419,327
255— 1.6: 2,419,468
257— 3: 2,419,477
128: 2,419,264
263: 2,419,233
2,419,234
259— 72: 2,419,330
260— 19: 2,419,238
33: 2,419,277
36: 2,419,281

260— 41: 2,419,512
84: 2,419,221
84.5: 2,419,202
2,419,354
88: 2,419,347
97.5: 2,419,211
239.6: 2,419,230
268: 2,419,366
279: 2,419,200
286: 2,419,199
306.6: 2,419,283
338: 2,419,334
2,419,505
390: 2,419,405
397.1: 2,419,220
404.5: 2,419,404
440: 2,419,348
464: 2,419,470
2,419,488
534: 2,419,256
583: 2,419,506
584: 2,419,259
621: 2,419,516
635: 2,419,275
2,419,300
658: 2,419,500
668: 2,419,198
674: 2,419,247
681.5: 2,419,350
2,419,499
683.5: 2,419,423
261— 108: 2,419,452
265— 27: 2,419,217
271— 10: 2,419,345
275— 2: 2,419,262
280— 33.4: 2,419,442
36: 2,419,422
40: 2,419,445
284— 19: 2,419,503
285— 47.1: 2,419,426
160: 2,419,453
286— 11: 2,419,385
294— 1: 2,419,381
299— 120: 2,419,365
132: 2,419,228
140: 2,419,336
302— 58: 2,419,386
309— 2: 2,419,192
312— 44: 2,419,351
315— 168: 2,419,465
320— 1: 2,419,340

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,419,192: 309— 2
2,419,194: 51—300
2,419,199: 260—286
2,419,239: 250—1.72
2,419,256: 260—534

2,419,262: 275— 2
2,419,273: 219— 39
2,419,276: 171—312
2,419,281: 260— 36
2,419,309: 23—294

2,419,310: 23—294
2,419,341: 106—203
2,419,345: 271— 10
2,419,346: 105—367
2,419,357: 154—117

2,419,371: 102— 46
2,419,399: 8—116.2
2,419,418: 59— 13
2,419,429: 219— 38
2,419,430: 102— 63

2,419,440: 154—128
2,419,442: 280—33.4
2,419,445: 280— 40
2,419,462: 171—231
2,419,465: 315—168

2,419,499: 260—681.5
2,419,506: 260—583
2,419,508: 23—263
2,419,516: 260—621
2,419,518: 200— 52

CLASSIFICATION OF DESIGNS

D 3—12: Des. 146,643
D 7— 7: Des. 146,662
Des. 146,663
D14—14: Des. 146,695
D17— 1: Des. 146,693
6: Des. 146,658
D26—14: Des. 146,675
D29—23: Des. 146,661
D31— 4: Des. 146,636
D33— 1: Des. 146,668
14: Des. 146,684

D34— 4: Des. 146,654
Des. 146,692
5: Des. 146,665
15: Des. 146,645
D44—10: Des. 146,687
26: Des. 146,688
D45— 9: Des. 146,696
19: Des. 146,635
Des. 146,651
Des. 146,652
Des. 146,653

D45—19: Des. 146,660
Des. 146,671
Des. 146,678
Des. 146,679
D48—20: Des. 146,642
Des. 146,672
Des. 146,685
Des. 146,686
32: Des. 146,683
D52— 2: Des. 146,646
Des. 146,647

D52— 2: Des. 146,648
D56— 4: Des. 146,638
Des. 146,640
Des. 146,641
Des. 146,664
Des. 146,682
9: Des. 146,637
Des. 146,639
D57— 1: Des. 146,666
D59— 2: Des. 146,655
D61— 1: Des. 146,673

D71— 1: Des. 146,659
D74— 8: Des. 146,656
10: Des. 146,667
D78— 1: Des. 146,674
D85— 8: Des. 146,670
D86—10: Des. 146,649
Des. 146,650
D92— 1: Des. 146,644
Des. 146,676
Des. 146,677
Des. 146,680

D92— 1: Des. 146,681
Des. 146,689
Des. 146,690
Des. 146,691
Des. 146,694
26: Des. 146,657
Des. 146,669

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DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

SIMPSON ET AL.
v.
VOORHEES

No. 5,195. Decided December 9, 1946. Petition for rehearing denied February 7, 1947

[158 F.(2d) 1004; 72 USPQ 318]

1. APPEAL—RIGHTS OF APPELLEE.
Held that an appellee has a right to raise questions without cross-appeal.

2. INTERFERENCE—PRIORITY.
Record reviewed and *Held* that appellants have no right to make the counts in issue, and that priority properly was awarded to appellee.

APPEAL from the Patent Office. Affirmed.

Mr. Oswald G. Hayes (*Mr. Richard K. Stevens* of counsel) for Simpson et al.

Mr. Donald E. Payne and *Mr. Pike H. Sullivan* for Voorhees.

BLAND, *J.*:

This is an appeal from a decision of the Board of Interference Examiners of the United States Patent Office awarding the appellee, who is the junior party, priority of the invention defined in two counts, which are the only counts at issue.

The interference was declared between appellee's patent, No. 2,239,801, issued April 29, 1941, on an application filed January 8, 1938, and appellants' application, Serial No. 361,440, filed October 16, 1940, as a continuation-in-part of their copending application, Serial No. 162,541, filed September 4, 1937.

Appellants copied claims from appellee's patent; the counts here involved, however, were added to the interference on motion of appellants and are related to claims 5 and 6 of Voorhees' patent but modified for the purposes of interference.

The issue here is confined to the question as to whether or not the above referred to applications of appellants, which, it is alleged, are similar in respects with which we are here concerned, disclose certain limitations in the counts.

The Primary Examiner held with appellants on this question. The Examiner of Interferences accorded appellants the benefit of the filing date of their earlier application and notified Voorhees that judgment on the record would be entered against him unless he should show cause why such action should not be taken. Voorhees responded to this order by moving that the case be set down for final hearing and the prosecution of the interference as to the two counts here involved proceeded.

The Board in its decision disagreed with the conclusion reached by the Primary Examiner and held that in two respects appellants' application did not disclose the controverted limitations hereinafter referred to, and awarded priority of invention of the subject matter in issue to appellee.

The counts read:

> 4. The method of converting a liquid hydrocarbon oil into high quality gasoline by a process comprising catalytic cracking which method comprises *heating said oil to effect vaporization thereof and to effect super-heating of the vapors to a conversion temperature,* introducing said super-heated vapors into a moving bed of catalyst in a conversion zone, introducing catalyst into said zone and removing catalyst from said zone without appreciable losses of hydrocarbon vapors with said catalyst, continuously regenerating said removed catalyst in a separate zone at high temperature and returning said high temperature regenerated catalyst to said conversion zone in admixture with fresh catalyst, preventing regeneration gases from entering the conversion zone, and fractionating the products from the conversion step into a gasoline fraction, a gas fraction and at least one heavier-than-gasoline fraction.
>
> 5. The method of count 4 which includes the further step of vaporizing adsorbed oil from catalyst *prior to its transfer from the conversion zone to said regeneration zone* by contacting said catalyst with a hot inert gas.

The italicized portions indicate the limitations in controversy.

[1] In our view of the case it will be necessary for us only to consider the Board's decision with respect to the first limitation relating to superheating. It will not be necessary for us to consider the questions raised with reference to the second limitation found in count 5, nor many of the questions raised by appellee which, under the settled practice, it has a right to raise without cross-appeal.

It is the position of appellee, and was that of the Board, that the limitation in the count, "heating said oil * * * to effect super-heating of the vapors to a conversion temperature," is not disclosed in appellants' applications, whereas appellants urge that the following disclosure in their said applications is a sufficient disclosure of the controverted and above referred to limitation:

> Vapor preparation unit 46 will consist essentially of a heater, for which purpose any of the usual forms of heaters common in the art, *say a pipe still, may be used to vaporize the charge and heat it up to reaction temperature;* and, if the charge used is not wholly vaporized at the reaction temperature, a vapor separator to remove unvaporized liquid residue may be included. [Italics ours.]

The appellants further argue that the provision in said quoted excerpt with reference to the use of a "pipe still" necessarily and inherently discloses such

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super-heating as the count calls for, and that the prior art, on which appellants largely rely to fortify their contentions of disclosure, shows that such super-heating is inherent in prior art devices and is well understood in the art.

The applications of both parties and the claims in the applications and patent of the respective parties disclose a complete method of converting oil into gasoline. It will not be necessary for us to describe the process in detail because it is conceded that much of the process employed by both parties is conventional and involves highly technical matters with which we are not here concerned.

The exact issue may be fairly understood by a reading of the Board's decision and we think the Board's views on this question should be set out at some length. We quote therefrom as follows:

> The party Simpson, Payne, and Crowley, Jr. contends, and the same conclusion was reached by the Primary Examiner in his decision on motions * * *, that the language "to vaporize the charge and heat it up to reaction temperature" * * * constitutes a disclosure of the limitation "to effect vaporization thereof and to effect super-heating of the vapors to a conversion temperature" in the interference counts. There is no question as to the vaporizing step and the issue is therefore resolved into the question of whether "heat it up to reaction temperature" supports "to effect super-heating."
>
> In order to arrive at the same conclusion which the Primary Examiner reached, it is necessary to hold that "reaction temperature" is inherently a "super-heating" temperature. Whatever might be the result if the sentence quoted above from the Simpson et al. application were to end at the semicolon, the matter after the semicolon requires a holding that "reaction temperature" does not necessarily mean "super-heating" temperature. In other words, "reaction temperature" may mean that the charge is incompletely vaporized, exactly vaporized, or superheated. However, there is no specific teaching of the last operation, which is the one required for the interference counts. As stated in *in re Dubbs*, 22 C. C. P. A. 1281, 1935 C. D. 645, 461 O. G. 7, 77 F.(2d) 520, 25 USPQ 396;
>
> "In view of the fact that there is nothing in his specification to indicate that the claimed process would be carried out in the normal and usual operation of his apparatus, and in the absence of a disclosure of the steps called for in the appealed claims, the mere fact that the apparatus disclosed by him might permit the carrying out of such process does not warrant a holding that he is entitled to make such claims."
>
> Similarly, in the case of *McCormick* v. *Malherbe*, 28 C. C. P. A. 838, 1941 C. D. 222, 526 O. G. 3, 116 F.(2d) 520, 48 USPQ 106, the court held,
>
> "Under circumstances like those at bar, for a disclosure to support interference counts, there must be more than a possibility that a certain process will be followed if the teachings are followed. There must be some positive, definite disclosure of the steps of the process, or such a disclosure of steps that if the teachings are followed by one skilled in the art the process must inevitably result."
>
> To the same effect is the decision in *Keeling* v. *Heid*, 28 C. C. P. A. 1008, 1941 C. D. 392, 529 O. G. 520, 118 F.(2d) 571, 49 USPQ 102.
>
> It is recognized that the specific word "super-heating" need not be found in the Simpson et al. specification, provided equivalent language is used or inherent operation disclosed. For example, the boiling range of the charge might be given or a specific fraction designated which has a standard boiling range and the temperature to which the charge is heated might be taught. However, there is no disclosure from which "super-heating" might be unequivocally spelled out.
>
> The party Simpson, Payne and Crowley, Jr. urges that the disclosure of super-heating in the Simpson et al. application is better than that in the Voorhees patent, which may not disclose super-heating at all * * *. It may be noted that Simpson, Payne, and Crowley, Jr. did not file a motion under Rule 122 to dissolve the interference on the ground that Voorhees has no right to make the counts and that question is not under consideration here. *Beatie* v. *Pollock*, 21 C. C. P. A. 1150, 1934 C. D. 505, 448 O. G. 5, 71 F.(2d) 306, 21 USPQ 619.
>
> Since it is held that the directly involved Simpson et al. application does not support the limitation "to effect super-heating of the vapors," it is unnecessary to decide whether this feature is disclosed in the first Simpson et al. application, now abandoned.

We agree with the holding of the Board that when the controverted limitations of the counts are read in the light of appellee's patent there is not sufficient disclosure of this important limitation by appellants, and we are brought to this conclusion for several reasons.

While it is not necessary that the word "super-heating" be found in appellants' application it is necessary that there should be such a teaching or disclosure of apparatus or method that inherently produces the super-heating that is called for by the counts. A glance at the drawings of the respective parties shows that in this feature the inventions disclosed differ greatly. Appellants propose to initially heat the oil, as is pointed out in the above quoted excerpt from their application, for the purpose of vaporizing the charge up to reaction temperature. No further heating is provided for, it being argued that if enough heat is used the vapors will go off and will be at such a temperature as fairly to respond to super-heating, whereas appellee clearly discloses super-heating the vapors after heating the oil to effect vaporization thereof. This obviously is a wholly different process from that disclosed by appellants. One following the teachings of appellants would not super-heat the vapors after they had once been driven off by heat regardless of how much heat appellants used in the first process.

We have looked in vain for any teaching in appellants' disclosure that they ever contemplated reheating or super-heating, or adding any new and additional heat to the vapor other than the heat initially applied, and we are of the opinion that nothing in their disclosure inherently teaches or suggests this particular feature.

Surely the term, "to vaporize the charge and heat it up to reaction temperature," does not indicate that appellants first vaporize the charge and subsequently heat it to reaction temperature. If appellants heat the charge at all to reaction temperature, and if this amounted to super-heating, the most that could be said is that they only super-heat the initial charge. The appellants do show that if a charge is not wholly vaporized at the reaction temperature then a vapor separator to remove unvaporized liquid residue may be included, but they do not say that additional heat is then applied to the vapors after the removal of the liquid residue and this, as we interpret the count, is the proper construction of the same.

Moreover, if it could be argued that appellants obtained the same results it would not be by the same method, which fact may go to the patentability of the counts which is a matter with which we are not here concerned.

[2] We think the Board's holding was sound, and its decision awarding priority of the invention defined in the counts to the appellee is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE LOISELEUR

No. 5,152. Decided December 9, 1946

[158 F.(2d) 309; 72 USPQ 110]

PATENTABILITY—DOUBLE PATENTING.

Where applicant's issued patent discloses everything set forth in the claims of the copending application on appeal, and the patent claims are generic to the species of the appealed claims and there is nothing patentably different in the appealed claims over the patented claims, the difference being in scope only, *Held*, that the appealed claims were properly rejected on the ground of double patenting.

APPEAL from the Patent Office. Affirmed.

Mr. Vernon M. Dorsey (*Messrs A. M. Holcombe* and *Samuel Z. Gordon* of counsel) for Loiseleur.

Mr. W. W. Cochran (*Mr. E. L. Reynolds* of counsel) for the Commissioner of Patents.

O'CONNELL, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the action of the Primary Examiner in his final rejection of the two claims in appellant's application for a patent on the ground that their allowance would result in double patenting in view of the two patented claims in appellant's prior patent, No. 2,278,722, issued on April 7, 1942, on an application, Serial No. 127,285, filed February 23, 1937.

The above-named patent and the application here involved describe two methods for forming a highly adhesive deposit of metal on the surface of materials constituted on the one hand of an organic matter or on the other hand of an inorganic matter. Each of the described and claimed methods involves three steps; namely, (1) conditioning said surface for rendering it adsorbent to a molecular layer of ions, (2) forming a molecular layer on the prepared surface, and (3) metallizing the ionic layer.

The first step in the respective methods differs according to whether the material to be coated is organic or inorganic. The second and third steps are the same irrespective of the nature of the basic material.

In the case of organic material, "the first step of the method consists in an imbibition of the surface intended to permit a penetration of the layer of ions produced in the second part of the treatment and to improve the adhesion of the final metallic deposit." In the case of inorganic material, the first step consists in scouring, cleaning, and freeing the surface to be metallized from any traces of oxides.

The two species of the invention hereinbefore described were disclosed but not claimed in appellant's original application, and there is no dispute that had they been claimed, they would have been allowed. Instead of claiming either or both of the species in his original application, appellant thereafter filed the application here involved the claims of which are directed to treating organic material, one of the species of the invention defined by the patented claims. The application here involved was filed March 6, 1941, more than four years having then elapsed after the date of the filing of applicant's previous application. The two applications were accordingly copending in the Patent Office for a period of more than a year.

The position taken by the tribunals of the Patent Office was that since appellant's previously issued patent discloses and claims generically everything set forth in the claims of his second application, which differ from the patented claims in scope only, allowance of the claims in the second application would result in double patenting and for that reason the appealed claims were rejected.

Under the rules of practice in the Patent Office an applicant for a patent may be granted the allowance of claims directed to a species of an invention where a generic claim directed to the same invention has been allowed in the same application. The Patent Office has also allowed claims directed to a species of the same invention defined by the generic claims of a different and previously filed application. That was done, however, after the applicant had amended his subsequent application, in conformity with the requirement of the Examiner, to provide in the subsequent application that it was "a continuation in part" of his previously filed application. See *Winkelmann* v. *Calvert*, 33 C. C. P. A. (Patents) 1206, 154 F.(2d) 1012, 1014, 69 USPQ 406, 408.

[1] This court has likewise held under its well established practice that for the reasonable and advantageous protection of an invention for which the allowance of a generic claim was granted in an application for a patent, claims in the same application directed to a species of the same invention may also be allowed. *In re Brogden et al.*, 33 C. C. P. A. (Patents) 1181, 156 F.(2d) 82, 70 USPQ 187.

[2] This court has refused to grant the allowance of claims in a different and subsequently filed application, however, if the allowance of such claims would result in double patenting and extension beyond the period fixed by law of the monopoly incident to applicant's prior patent for substantially the same invention. *In re John W. Swan*, 18 C. C. P. A. (Patents) 935, 46 F.(2d) 572, 8 USPQ 342; *In re Lawrence Byck*, 18 C. C. P. A. (Patents) 1208, 48 F.(2d) 665, 9 USPQ 205; *In re Barge*, 25 C. C. P. A. (Patents) 1058, 96 F.(2d) 314, 37 USPQ 546; *In re Christmann et al.*, 29 C. C. P. A. (Patents) 1037, 128 F.(2d) 596, 53 USPQ 634; *In re Ward*, 32 C. C. P. A. (Patents) 1238, 150 F.(2d) 436, 66 USPQ 317.

There is nothing patentably different in the appealed claims over the patented claims of appellant's prior patent since the preparatory or first step in both sets of claims is substantially the same, the only difference being that the preparatory step in the appealed claims is defined in more detail to make the coating applicable to organic material only. The second and third steps defined by both sets of claims are identical.

The allowance of the appealed claims would therefore result in double patenting and work a hardship on the public by the extension of the monopoly incident to appellant's prior patent of more than four years beyond the period fixed by law. Under the authorities hereinbefore cited, the appealed claims were properly rejected, and the decision of the Board of Appeals is accordingly affirmed.

Affirmed.

NOTICES

Public Law 690

RECIPROCITY WITH GREAT BRITAIN, SECTIONS 1, 2 AND 3

U. S. PATENT OFFICE, *Washington 25, D. C., Apr. 3, 1947.*

Great Britain has promulgated rules under the Patents and Designs Act, 1907, as amended 1946, providing for the extension of the period of priority and for the protection of communicated inventions, which rules are substantially reciprocal to the provisions of sections 1 and 2 of Public Law 690. Extensions of times other than the period of priority have been and are being accorded citizens of the United States under section 6 of the Patents etc. (Emergency) Act, 1939 as amended 1946.

The United States Patent Office will accordingly apply sections 1, 2 and 3 of Public Law 690 to citizens of Great Britain.

LESLIE FRAZER,
First Assistant Commissioner.

NOTES WITH RESPECT TO THE NOTICE REGARDING GREAT BRITAIN

The new rules are rules 17A to 17F and 36A to 36C of the Patents Rules and rules 31A to 31G of the Designs Rules. Some explanatory notes received from Great Britain as to the procedure under these rules follow.

Extension of time for filing Convention applications under the Patents Rules, 1947

The new rules 17A–F made by the Patents Rules, 1947 provide for extension of time for filing patent applications under section 91 with priority based on patent applications in the United States during the war period. If the United Kingdom application is filed within the Convention period of 12 months from the date of the United States application, the normal procedure under section 91 of the Patents etc. Acts, 1907—1946, will apply and rules 17A–F will not be invoked. If, however, the United Kingdom application is filed more than 12 months after the United States application, the Convention period can be extended as provided for by rules 17A and B subject to the conditions and restrictions specified in rules 17C–F.

If rules 17A and B are to be relied on, the corresponding United States application, being the first foreign application for the invention, must be dated on or after September 8, 1938, and not later than August 8, 1946, and the United Kingdom application for a patent must be filed on or before August 8, 1947. The request for extension of the Convention period should be made in writing to the Comptroller preferably when the United Kingdom application is filed (rule 17A) but will be accepted by the Comptroller at any time before acceptance of the complete specification whether this acceptance is before or after August 8, 1947 (rule 17B). If the complete specification of a United Kingdom application is accepted without any claim to Convention priority having been made, it is too late to claim such priority on that application, but a fresh United Kingdom patent application can be filed, on or before August 8, 1947, for the same subject-matter claiming priority under rule 17A or B as explained above and a patent on the first application will then be refused, or if a patent has already been granted thereon, it will be revoked, when the patent on the second application is granted so as to avoid the grant of two patents for identical subject-matter (rule 17C).

When the request for extension of the Convention period is made at the time the United Kingdom application is filed, the appropriate application form for an application claiming Convention priority should be properly completed and filed with a covering letter requesting extension of the priority period under rule 17A. When this request is made in respect of a pending United Kingdom application which was filed without claiming Convention priority, a request in writing that the application be converted to one claiming Convention priority should be sent to the Comptroller with the request for extension and a fresh application form properly completed for an application claiming Convention priority should be filed in substitution for the original application form. The fresh application form need not be stamped with the prescribed fees, as the stamp fee on the original application form will be transferred.

In both cases, the usual formalities for a United Kingdom patent application must be complied with and the normal United Kingdom procedure for applications claiming Convention priority under section 91 of the acts will apply. This will include a comparison by the Examiner of the United Kingdom specification with the United States specification and the need for identity of invention in the two specifications if a valid patent is to issue.

The usual certified copy of the United States specification required by rule 15 should be filed as soon as possible, but, if this cannot be done within a period of 3 months from the date of the United Kingdom application as required by rule 15, any necessary extension of time for filing it will be granted by the Comptroller on request and without payment of any fee. The certified copy must in any case be filed before the complete specification is accepted in time to allow the Examiner to make the comparison referred to above. Extensions of the period prescribed by section 8A for putting the application in order will also be granted by the Comptroller without the payment of fees if the application cannot be put in order within the statutory period or if the applicant requests such extension before the acceptance of the complete specification to allow time for the filing and examination of a claim to Convention priority under rule 17B.

Extensions of time under section 6 of the Patents etc. (Emergency) Act, 1939, as amended 1946

Extensions of time are granted at the request of the applicant or his agent upon a statement of the war circumstances to which the delay is attributed, and, as a general rule, without evidence on oath. Extensions of the periods for doing all acts up to and including the sealing of a patent are normally given without conditions of any kind. Extensions of time for paying renewal fees are granted subject to conditions relating to the protection of those who used the invention after the patent had lapsed for nonpayment of renewal fees.

Patent applications in respect of inventions communicated under agreements or arrangements between the United States and United Kingdom Governments

The new rules 36A–C are intended to provide protection for inventors whose inventions have been communicated to or from the United Kingdom, in accordance with these agreements or arrangements, before a patent has been applied for. In considering these rules, it must be remembered that, in United Kingdom patent law, the date of the United Kingdom patent when granted is the effective date for priority purposes and cannot normally be carried back by evidence of some earlier date of conception to avoid an intervening publication or in a contest of priority with another patent application or patent of intervening date. There is no consideration of "due diligence" or "reduction to practice" and no interference procedure such as takes place in the United States, but there is an opposition procedure whereby after the application has been put in order to the satisfaction of the Examiner and published, interested third parties can oppose the grant of the patent on certain statutory grounds, and there are also revocation procedures before the Comptroller and the court once the patent is granted. The normal grounds of opposition or revocation would not necessarily protect the inventor communicator in the circumstances which have arisen under these agreements or arrangements and the new rules thus represent a substantial departure from the existing law in an endeavor to provide for the present exceptional circumstances and to give reasonable reciprocity to the procedure under the United States Act No. 690. The chance provided by these rules of relying on a date of communication of an invention into the United Kingdom or a date of devising of an invention in the United Kingdom is a novel introduction into United Kingdom patent law. It is to be noted that the date of devising of the invention in the United Kingdom is to be considered and that proof of conception abroad will not be effective.

Rules 36A and 36B cover cases in which inventions have been communicated, before April 8, 1946, from the United States into the United Kingdom to, or at the request of, the United Kingdom Government and in which the United States communicator (or his legal representative or assignee) subsequently applies for a United Kingdom patent before August 8, 1947. In such cases, he can claim priority from the date of communication of his invention into the United Kingdom for the purposes set out in sub-paragraph (1) of rule 36A and in rule 36B.

To secure this priority, he must make an application for a United Kingdom patent, accompanied by a complete specification, in the usual manner, before August 8, 1947, and he must also send a claim to such priority in writing to the Comptroller, with an accompanying declaration or affidavit of the facts as referred to in sub-paragraph (2) of rule 36A. This claim and declaration or affidavit may be filed with the application or later, but in any case must reach the United Kingdom Patent Office before August 8, 1947 (whether the patent was then already granted or not) or, if the complete specification is not accepted on August 8, 1947, before the acceptance thereof. The application and accompanying specification must comply with all requirements for an application accompanied by a complete specification and will be subject to the normal examination. On acceptance of the complete specification, the claim to priority will be open to public inspection and advertised as specified in sub-paragraph (2) of Rule 36A.

The procedure in respect of the priority claim on such cases will be different from that on cases where priority based on a United States patent application is claimed under section 91. Whereas in the latter kind of case (section 91), the Examiner always compares the United Kingdom and United States specifications and does not accept the application unless he is satisfied that there is identity of invention in the two specifications, and such identity is essential to the validity of the United Kingdom patent, on the other hand, in the case of a claim to priority based on a communication under rules 36A and B, the Examiner will in general not compare the inventions in the United Kingdom specification and the communication and will accept the United Kingdom specification without attempting to satisfy himself that the invention claimed was in fact communicated. The question of communication is not material unless it has to be relied on by the applicant—

(*i*) To avoid prejudice to his United Kingdom application, or to the patent granted thereon, by the communication or by some consequential publication, making, use, exercise or vending of the invention (see sub-paragraph 1 of rule 36A),

(*ii*) To avoid a citation by the Examiner, or by an opponent to the grant or one attacking the patent when granted, of a prior publication or prior grant in another United Kingdom patent application or patent of effective date between the date of the communication and that of the applicant's United Kingdom patent when granted (see sub-paragraph (*a*) of rule 36B), or

(*iii*) In effect to ante-date the applicant's United Kingdom patent to the extent that it may form a prior grant to such other intervening application or patent (see sub-paragraph (*b*) of rule 36B).

In these cases only will the Examiner and the Comptroller consider the question of communication and compare the invention claimed by the applicant with the invention communicated. In such comparison, the Comptroller or the court may call for any necessary further proof that the invention claimed was communicated. When this is established, the applicant's application or patent will in effect ante-date the said intervening application or patent if the second applicant or patentee cannot refute the presumption that his invention or part thereof was obtained in consequence of the communication by proving that it was made in the United Kingdom before the date of communication.

Rule 36C deals with cases in which inventions have been communicated from the United Kingdom to the United States by or at the request of the United Kingdom government. In such cases, any United Kingdom patent application by the United Kingdom inventor has in general no benefit of effective ante-dating to the date of communication similar to that given to the United States inventor under rules 36A and B. If, however, a United Kingdom application for a patent which if granted would bear a date within the period September 8, 1939, to August 8, 1947, but subsequent to the date of the communication, is made by a United States resident, firm or corporation, or by the legal representative or assignee of such resident etc. (see sub-paragraph (1) of rule 36C) in respect of an invention which, or part of which, was so communicated to the United States, the United Kingdom inventor or other interested party can oppose the grant of a patent on such application or seek the revocation of the patent granted thereon.

To succeed, the opponent must prove that the invention claimed by the applicant was so communicated but, even if he does prove this, he will fail—i. e. the applicant will obtain and maintain his patent—if the applicant can refute the presumption that his invention was obtained in consequence of the communication, by proving that he or a person from whom he derives title either (*i*) introduced the invention or part thereof into the United Kingdom before the date of the communication, or (*ii*) devised it in the United Kingdom. These questions and the need for such proof will not arise before the Examiner accepts the applicant's complete specification and will arise only if the application is opposed or the patent granted thereon attacked.

Foreign Patents Received in the Scientific Library as of March 31, 1947

Country	Date received	Highest number
Australia	Jan. 28, 1947	121,695
Austria	Jan. 23, 1946	160,920
Czechoslovakia	Jan. 27, 1947	75,350
Denmark	Mar. 28, 1947	65,335
Finland	Dec. 10, 1946	* 21,397
France (*Patents*)	Jan. 27, 1947	897,500
(*Additions*)	Dec. 6, 1946	52,200
Germany	June 7, 1946	750,986
Great Britain	Mar. 4, 1947	584,064
Hungary	July 7, 1942	* 128,400
India	Dec. 13, 1946	* 32,991
Italy	Aug. 22, 1941	382,000
Japan	Aug. 4, 1941	141,060
Netherlands	Mar. 17, 1947	59,000
Norway	Mar. 10, 1947	71,624
Poland	Jan. 31, 1947	33,236
Sweden	Mar. 14, 1947	117,888
Switzerland	Mar. 21, 1947	* 244,785

* Recent files incomplete.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed.

Pat. 2,295,443, J. C. Wilson, Television signal-transmission system, decided Feb. 7, 1947, claims 1, 2, 3, 5, 6, 7, 8, and 9.

Pat. 2,368,701, P. A. Borden, Galvanometer, decided Mar. 17, 1947, claims 1, 2, 3, 4, 5, 6, 7, and 8.

Disclaimer

2,376,539.—*Rex B. Hitchcock*, Evanston, and *William C. Rosenthal*, Chicago, Ill. IMPLEMENT CONSTRUCTION. Patent dated May 22, 1945. Disclaimer filed Mar. 19, 1947, by the assignee, *International Harvester Company*.

Hereby enters this disclaimer to claims 31 and 32.

Examination

In accordance with the provisions of rule 17 of the Rules of Practice, an examination for the registration of attorneys and agents to practice before the United States Patent Office will be held on Monday, July 14, 1947.

This examination will be given under the direction of the Civil Service Commission, and may be taken in any of the cities of the country in which the Civil Service Commission regularly conducts examinations. Applications to take the examination must be directed to the Commissioner of Patents and filed in the Patent Office not later than June 16, 1947.

Application blanks may be obtained from the Clerk of the Committee on Enrollment and Disbarment, Room 3717, Commerce Building.

LESLIE FRAZER,
Chairman, Committee on Enrollment and Disbarment.

Interference Notice

U. S. PATENT OFFICE, *Washington, D. C., Mar. 25, 1947.*

The American Motor Products Corporation, its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Ampco Metal, Inc., 1745 S. Thirty-eighth St., Milwaukee 4, Wis., for registration of a trade-mark and trade-mark registered September 12, 1933, No. 306,139, to The American Motor Products Corporation, 451 Greenwich St., New York, N. Y., and the notice of such declaration sent by registered mail to said The American Motor Products Corporation at the said address of record having been returned by the post office as undeliverable, notice is hereby given that unless The American Motor Products Corporation, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,344,390. RAISING AND LOWERING MECHANISM. Patented Mar. 14, 1944. This patent relates to a mechanism to facilitate and minimize the force required to move a structure such as a mast, ladder, stairs, window, or the like, from one position to another. The change in position may be characterized by opening and closing, raising and lowering, or a like movement. The structure, the lower end of which may ride on a track, is pivotally mounted so that it may be moved by a bell crank lever connected to a winch arrangement, the cable of which is connected to the structure and to the lever. (Owner) Harold Cohen, % Harco Tower, Inc., 1180 East Broad St., Elizabeth 4, N. J. Group 33—73—81. Reg. No. 5,432.

Pat. 2,369,533. TOWER OR MAST. Patented Feb. 13, 1945. Group 33—81. Reg. No. 5,433.

Pat. 2,369,534. TOWER OR MAST. Patented Feb. 13, 1945. Group 33—81. Reg. No. 5,434.

These two patents relate to a tower or mast for supporting a radio antenna or aerial. The masts may be readily extended or retracted and collapsed for easy transportation. In Patent No. 2,369,533 the mast, which comprises several telescopic sections, is extended while in a horizontal position and held by cross bars and keys. Guy lines are connected to certain of the keys and anchored. The mast is raised to a vertical position by exerting a pulling force on an arm or boom which is part of the structure. The remaining guy lines are anchored to hold the mast upright. The mast is lowered to a horizontal position by uprooting the anchors at the arm side, removing the keys and bars and collapsing the sections in nested relation. Portions may be separated so that the mast may be compacted and boxed for shipment. The mast described in Patent 2,369,534 is of somewhat different structure in that a central mast is hoisted into position by a pulley and cable arrangement exerting a pulling force on a pair of extensible (and retractable) posts. (Owner) Harold Cohen, % Harco Tower, Inc., 1180 East Broad St., Elizabeth 4, N. J.

Pat. 2,377,758. BOOM. Patented June 5, 1945. This patent refers to an easily operated boom which may be adjusted in length to pick up and deposit loads of different sizes or to be moved to different locations. The structure consists of a sectionalized boom pivotally mounted on a rocker frame and having a pulley-operated sling or grapple controlled by a cable and winch arrangement. (Owner) Harold Cohen, % Harco Tower, Inc., 1180 East Broad St., Elizabeth 4, N. J. Groups 33—81; 35—69. Reg. No. 5,435.

Pat. 2,387,120. TOWER OR MAST CONSTRUCTION. Patented Oct. 16, 1945. Group 33—81. Reg. No. 5,436.

Pat. 2,401,229. TOWER OR MAST. Patented May 28, 1946. Group 33—81. Reg. No. 5,437.

The two patents listed above relate to methods by which a radio tower or mast of any height may be constructed by assembling lengths of pipe in end-to-end relation in combination with a triangular unit which acts as a coupling. The triangular unit is fabricated by welding short tubular members to tie rods or channel irons. Each of the leg sections is equal in length and provided with a collar at both ends to limit insertion. In Patent 2,387,120 the sections are bolted together and braced by means of a swingable link and bight. In Patent 2,401,229 the link and bight are omitted and the sections braced and connected by a clamp and cable arrangement. (Owner) Harold Cohen, % Harco Tower, Inc., 1180 East Broad St., Elizabeth 4, N. J.

Pat. 2,404,276. TOWER CONSTRUCTION. Patented July 16, 1946. Group 33—81. Reg. No. 5,438.

Pat. 2,406,668. TOWER OR MAST. Patented Aug. 27, 1946. Group 33—81. Reg. No. 5,439.

These two patents relate to methods of bracing tower structures similar to those described in Patents 2,387,120 and 2,401,229 in which tubular sections are telescoped or joined by a socket arrangement. In Patent 2,404,276 horizontal and diagonal bracing strips are bolted to a gusset and plate arrangement, the gusset being welded to the collars of the leg members and the plate to the ends of the bracing strip. In Patent 2,406,668 the leg members are slotted to receive a cross bar having a clamp fixed at a right angle at one end and a longitudinal slot at the opposite end. The cross bar is held in position by a wedge. (Owner) Harold Cohen, % Harco Tower, Inc., 1180 East Broad St., Elizabeth 4, N. J.

Des. 141,106. DESIGN FOR A TOWER. Patented May 8, 1945. A sectionalized tower composed of a triangular arrangement of equal lengths of pipe which are braced and assembled to desired height by means of a socket arrangement already described in Patents No. 2,387,120, 2,401,229, 2,404,276, and 2,406,668. (Owner) Harold Cohen, % Harco Tower, Inc., 1180 East Broad St., Elizabeth 4, N. J. Group 33—81. Reg. No. 5,440.

Pat. 2,409,929. APPLIANCE. Patented Oct. 22, 1946. This patent refers to an appliance used in combination with a hoist to aid in assembling the mast or tower structures described in Patents 2,387,120, 2,401,229, 2,404,276 and 2,406,668. The appliance enables the hoist to be detachably supported and swung on parts of the structure (which is in the course of erection) to facilitate handling of the structural parts. The appliance comprises a bearing sleeve adapted to loosely surround the hoist standard. The sleeve has a fixed and hinged jaw which are clamped to leg sections of the mast and held together by a stud and wing nut. (Owner) Harold Cohen, % Harco Tower, Inc., 1180 East Broad St., Elizabeth 4, N. J. Group 33—73—81. Reg. No. 5,441.

Pat. 2,142,933. WAXING AND POLISHING MACHINE. Patented Jan. 3, 1939. This invention relates to a power driven waxer and polisher for floors, woodwork, automobile bodies and the like. A vaned shaft which extends through a housing containing liquid wax causes constant agitation of the liquid. Operator presses button which opens valve and permits air to enter housing. The extension opens liquid control valve and post and allows wax to enter circular groove of shaft. Liquid is forced down and discharged on brush and spread on surface by circular rotation of brush. (Owner) George F. Bickford, 104–37 210th St., Bellaire Park, Long Island, N. Y. Group 35—59. Reg. No. 5,442.

Pat. 2,237,658. AUTOMOBILE DOOR LOCK RELEASE. Patented Apr. 8, 1941. This invention relates to an automatic door lock release. By unlocking one door from the outside the interiorly operated lock on the opposite door is released. Operated by a cable across ceiling and attached to a bell crank adjacent edge of each door. (Owner) Herbert H. Dyke, 1060 15th St., Laurel, Miss. Groups 33—59; 38—31. Reg. No. 5,443.

Pat. 2,287,442. ROTARY TYPE CAN OPENER. Patented June 23, 1942. Group 33—73. Reg. No. 5,444.

Pat. 2,294,507. ROTARY TYPE CAN OPENER. Patented Sept. 1, 1942. Group 33—73. Reg. No. 5,445.

Pat. 2,314,506. ROTARY TYPE CAN OPENER. Patented Mar. 23, 1943. Group 33—73. Reg. No. 5,446.

Pat. 2,351,531. SWING-OUT-OF-THE-WAY-TYPE WALL BRACKET. Patented June 13, 1944. Group 33—73. Reg. No. 5,447.

Pat. 2,361,114. ROTARY CAN OPENER. Patented Oct. 24, 1944. Group 33—73. Reg. No. 5,448.

Pat. 2,386,490. ROTARY TYPE CAN OPENER. Patented Oct. 9, 1945. Group 33—73. Reg. No. 5,449.

Pat. 2,411,448. BRACKET SUPPORT. Patented Nov. 19, 1946. Group 33—73. Reg. No. 5,450.

Pat. 2,411,449. ROTARY TYPE CAN OPENER. Patented Nov. 19, 1946. Group 33—73. Reg. No. 5,451.

The eight patents listed above refer to wall-mounted, crank-type can openers in which movement of the handle effects shifting of portions of the device to bring about penetration of a can by a cutting knife or wheel. Various escapement arrangements are described whereby the rim of the can is pressed between driving and cutting wheels and the cutting wheel moved inwardly to its operating position by rotation of the handle in a clockwise direction. The various escapement parts are moved to their original position by counter-clockwise rotation of the crank so that the can may be removed from the device. Patents 2,351,531 and 2,411,448 refer to a bracket and support in which the opener or a like device may be mounted and held in a number of fixed positions. (Owner) Capt. Robert E. McLean, Ordnance Dept., Ordnance Branch, Fort Benning, Ga.

Pat. 2,410,562. FRUIT JUICE EXTRACTOR. Patented Nov. 5, 1946. This two-piece fruit juice extractor has a plunger arrangement within its base which causes the combined head and juice receptacle to rotate when citrus fruit halves are pressed against the reamer portion. The plunger arrangement consists of a coil spring, stationary nut and a spirally grooved plunger which rotates when pressure is applied. Spring action returns the head portion to its elevated position when pressure is released. The combined head and juice receptacle is removable for washing. Extracted juice does not come in contact with the plunger. (Owner) Edmund Barany, 101 Court St., Syracuse, N. Y. Groups 33—73; 40. Reg. No. 5,452.

Pat. 1,938,110. MACHINE FOR CUTTING AND SHAPING CAKES AND BISCUITS. Patented Dec. 5, 1933. This patent refers to a conveyer arrangement for a biscuit cutting and shaping machine in which scrap is either eliminated or reduced to a minimum (depending upon the shape of the cut biscuit). The usual conveyer belt passing between the die and pressure rollers is adjacent a second conveyer belt running at a higher speed, and a third belt formed of strips which radiate from each other in a fan-shaped arrangement so that the shaped biscuits are separated from each other at their cut portions. The separated biscuits pass to a baking plate and to the oven in the conventional way. The arrangement also includes setting the biscuit cutting dies more closely together. (Owner) Theodoor R. Neutelings. Address correspondence to Michael S. Striker, 500 Fifth Ave., New York 18, N. Y. Group 35—51. Reg. No. 5,453.

2,367,952. DIVIDING HEAD. Patented Jan. 23, 1945. This patent relates to a dividing head for a milling machine which enables work pieces to be indexed into equal angular parts and turned so that spiral grooves may be milled. This differs from the usual head in that it is not restricted in use, being provided with transmission means which make it of universal application to all kinds of milling. The drive of the dividing plate is taken from a rotary element, the axis of which always occupies the same position to permit differential dividing. The drive to the spindle takes place through a transmission gear which permits turning of the spindle during spiral milling independently of dividing. (Owner) Otto Lichtwitz, 16 Thurlestone Ave., Ilford, Essex, England. Group 35—41. Reg. No. 5,454.

Pat. 1,917,062. CONCRETE WALL CONSTRUCTION. Patented July 4, 1933. A compressible rubber mat having a series of undercut round openings is used as a liner for a wall moulding form. The openings provide a series of outward projections on the surface of the concrete wall which serve as a "key" to which plaster may be easily bonded. The mat may be stripped from the hardened concrete and reused repeatedly. (Owner) Lawrie L. Witter, 80 Federal St., Boston 10, Mass. Groups 30—51; 32—71. Reg. No. 5,455.

Pat. 1,933,647. ANNOUNCING DEVICE. Patented Nov. 7, 1933. This patent describes a time announcing system which employs a series of reproducing transmitters and a motor-driven record on which time announcements have been previously inscribed. The announcements on the record are divided into four sections: the first section includes an "o'clock" announcement and an announcement of all numbers from one to nineteen; the second, numbers 20, 30, 40 and 50; the third, numbers one to nine; and a section which announces the hours from one to twelve. The correct time is reproduced by combining announcements. The transmitters are controlled by clock-driven templates which set the transmitters in position to engage the record at the proper time, raise the transmitter from the record after each announcing operation, etc. The present system requires a total of only forty-five announcements whereas the usual systems require seventy-two. The device may be controlled either manually or automatically, being set in operation only when time announcements are to be made. (Owner) Lawrie L. Witter, 80 Federal St., Boston 10, Mass. Group 36—61. Reg. No. 5,456.

Pat. 1,947,751. KNIFE. Patented Feb. 20, 1934. Designed to hold a removable longitudinally severed half of a razor blade for use as a knife. Holder may be pivoted to a pen-knife handle. The inserted blade is of the type in which the cutting edge is shorter than the overall length thus providing a shoulder at each end so that one shoulder will fit behind a bent tab of the holder and a collar slidable on the holder will fit around the other shoulder. Tangs at opposite ends of the severed edge of the blade fit into slots in the back edge of the holder. Several modifications are shown. (Owner) Lawrie L. Witter, 80 Federal St., Boston 10, Mass. Group 33—51—71. Reg. No. 5,457.

Pat. 1,984,296. LIQUID-DISPENSING DEVICE. Patented Dec. 11, 1934. Group 35—61. Reg. No. 5,458.

Pat. 1,996,944. LIQUID DISPENSING DEVICE. Patented Apr. 9, 1935. Group 35—61. Reg. No. 5,459.

These two patents relate to a device which may be used in combination with a power operated pump of the piston displacement type. By means of the device, gasoline may be automatically dispensed in amounts corresponding to desired or predetermined money values rather than in specific volumes. The device consists of a value graduated dial (which may be replaced in accordance with price changes) in cooperation with a setting means which limits the upward movement of the piston in proportion to the amount indicated or set on the dial. (Owner) Lawrie L. Witter, 80 Federal St., Boston 10, Mass.

Pat. 1,986,658. CIGARETTE DISPENSER. Patented Jan. 1, 1935. An air-tight container or magazine is closed by a lower pivoted gate synchronized to open whenever a selector is rotated. The selector is cylindrical in form and acts as an agitator when rotated, a recess being provided for a single cigarette. When opened, the released cigarette slides down an inclined chute which forms part of the magazine support. The dispenser may be incorporated into a smoker's cabinet, ash tray, or the like. Many modifications shown. (Owner) Lawrie L. Witter, 80 Federal St., Boston 10, Mass. Groups 25—11—14: 32—29. Reg. No. 5,460.

Pat. 2,349,066. EDUCATIONAL DEVICE. Patented May 16, 1944. This device represents a mechanical means of setting up a number of arithmetic problems in multiplication which may be answered electrically. The device includes a green and red lamp together with suitable electrical circuits including a selector contact roll for illuminating a green lamp when the correct quotient number is pressed and a red lamp for indicating an incorrect selection. A pair of counters may be inserted in the lamp circuits to record the number of correct and incorrect solutions made. (Owner) Lawrie L. Witter, 80 Federal St., Boston 10, Mass. Groups 36—21; 39—41. Reg. No. 5,461.

Pat. 2,276,993. VENTILATING FAN. Patented Mar. 17, 1942. This ventilating fan is especially adapted for the interior of automobiles. The fan may be operated in either of two ways: by an air-driven propeller mounted on the vehicle roof and used when the vehicle is in motion or by a small electric motor within the vehicle and used when the car is stationary. The fan is controlled by a lever which may be moved to couple the shaft of the fan to either driving means. (Owner) Antonio Marti, 44 Giddings St., Hartford 6, Conn. Groups 35—64; 38—31. Reg. No. 5,462.

Pat. 2,239,754. WINDSHIELD WIPER. Patented Apr. 29, 1941. The blade of this windshield wiper is connected to a sliding bar so that it can be lowered by a concealed pawl and ratchet arrangement when its use is not required. The wiper carries its own motor and is operated at a high speed so that it does not impair the vision of the driver. All controls are mounted on the vehicle instrument panel. (Owner) Antonio Marti, 44 Giddings St., Hartford 6, Conn. Group 38—31. Reg. No. 5,463.

Pat. 2,408,816. PIEZOELECTRIC GAUGE AND METHOD OF MAKING THE SAME. Patented Oct. 8, 1946. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) This pressure gauge is used in observing or measuring pressure waves of high amplitude and short duration produced by underwater detonations of high explosive charges. The gauge is waterproof and of small dimensions (one-half inch in diameter and one-fourth inch thick). A traducer assembly is arranged within a brass pan-like container having a tightly fitting cover (which serves as a grounded electrode when the gauge is submerged) and a projecting tube enclosing a coaxial cable. The traducer assembly comprises a thin circular quartz crystal, an inner electrode connected to the cable and a sheet of mica, all of which are bonded by shellac so that the whole forms a solid body composed entirely of parallel layers inherently capable of withstanding extremely high pressures. (Owner) Maurice M. Shapiro, % Monsanto Chemical Co., Clinton Laboratories, P. O. Box 1991, Knoxville 11, Tenn. Group 39—11. Reg. No. 5,464.

United States Government Owned Patent

The following patent, owned by the United States Government, as represented by the Secretary of the Interior, is available for licensing, upon a non-exclusive, royalty-free basis:

Pat. 2,412,217. FROTH FLOTATION OF CHROMITE WITH FLUORIDE. Patented Dec. 10, 1946. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Process provides a good recovery of high-grade chromite concentrate with very low consumption of reagents. Process for the beneficiation of chromium ores comprises agitating and aerating an aqueous pulp of a comminuted chromite ore in the presence of a long-chain fatty acid having from 8 to 18 carbon atoms, a dispersing agent, and a soluble fluoride at a pulp acidity preferably between pH 2.5 and pH 4.5, and recovering a forth containing a chromite concentrate. Group 34—19. Reg. No. 5,465.

Regulations under which licenses are granted are issued by the Secretary of the Interior. Applications for licenses should be made to the Solicitor, Department of the Interior, Washington 25, D. C.

TRADE-MARKS

OFFICIAL GAZETTE, APRIL 22, 1947

[VOL. 597. No. 4]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

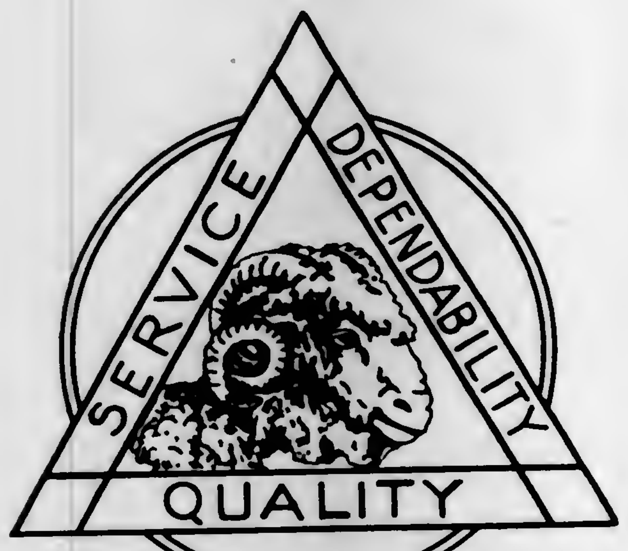
Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 488,996. THE EAST WEYMOUTH WOOL SCOURING CO., East Weymouth, Mass. Filed Sept. 26, 1945.



No claim is made to the exclusive use of the words "Service, Dependability and Quality."

FOR WOOL GREASE, USED AS A CONSTITUENT IN THE MANUFACTURE OF LANOLINE, SOAPS, BELT DRESSING COMPOUNDS, PRINTING INKS, AND OTHER USES IN THE INDUSTRIAL ARTS.

Claims use since November 1938.

Ser. No. 499,668. JOHN R. STEWART, Philadelphia, Pa. Filed Apr. 4, 1946.

ACETOP

FOR RAYON IN THE FORM OF SYNTHETIC FIBERS PROCESSED INTO SLIVERS OF CUT STAPLE LENGTH TO BE MADE INTO YARNS FOR MAKING PIECE GOODS AND OTHER FABRICS.

Claims use since Mar. 1, 1946.

CLASS 2

RECEPTACLES

Ser. No. 499,002. POLORON PRODUCTS, INC., New Rochelle, N. Y. Filed Mar. 26, 1946.

WOODLAND

FOR INSULATED PICNIC JUGS AND INSULATED PICNIC BOXES.

Claims use since May 1935 on insulated picnic jugs; and since April 1939 on insulated picnic boxes.

Ser. No. 499,004. POLORON PRODUCTS, INC., New Rochelle, N. Y. Filed Mar. 26, 1946.

SEA BREEZE

FOR INSULATED PICNIC JUGS AND INSULATED PICNIC BOXES.

Claims use since April 1939.

Ser. No. 499,005. POLORON PRODUCTS, INC., New Rochelle, N. Y. Filed Mar. 26, 1946.

Pyramid

FOR INSULATED PICNIC JUGS.

Claims use since May 1935.

Ser. No. 499,009. POLORON PRODUCTS, INC., New Rochelle, N. Y. Filed Mar. 26, 1946.

POLORON

FOR PLASTIC DRINKING CUPS.

Claims use since September 1940.

Ser. No. 499,752. Bagpak, Inc., New York, N. Y. Filed Apr. 6, 1946.

AIREX

FOR MULTI-WALL PAPER BAGS.
Claims use since Nov. 28, 1945.

Ser. No. 499,776. George & Sherrard Paper Co., New York, N. Y. Filed Apr. 6, 1946.

SPEEDPAK

The word "Pak" is disclaimed apart from the mark.
FOR MULTI-WALL PAPER BAGS.
Claims use since Dec. 10, 1945.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 502,926. M. Smith Company, Philadelphia, Pa., assignor to M. Smith Co., Inc., Philadelphia, Pa., a corporation of Pennsylvania. Filed May 28, 1946.

Superfortress

FOR LADIES' AND MEN'S SUITCASES AND BAGS, MADE OF LEATHER, CLOTH, AND IMITATION LEATHER.
Claims use since Oct. 6, 1945.

Ser. No. 512,615. Rugby Products Corporation, New York, N. Y. Filed Nov. 14, 1946.

Wallstreeter

FOR BRIEF CASES, WALLETS, BILL FOLDS, LEATHER SECRETARIES, LEATHER ENVELOPES, AND DIPLOMAT CASES.
Claims use since June 1, 1946.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 501,310. Chemical Manufacturing & Distributing Company, Easton, Pa. Filed May 2, 1946.

GOBS-O-SUDS

The word "Suds" apart from its use in the mark is disclaimed.
FOR POWDERED CLEANING COMPOUND.
Claims use since Mar. 1, 1946.

Ser. No. 501,775. Nathan Root, doing business as Root & Company, Grand Rapids, Mich. Filed May 9, 1946.

Lusterway

FOR COMPOUNDS FOR CLEANING FURS.
Claims use since Apr. 24, 1941.

Ser. No. 502,741. J. Ennest Company, Detroit, Mich. Filed May 25, 1946.

REDEME

FOR SILVER POLISH HAVING INCIDENTAL PROPERTIES AS A SILVER PLATING PREPARATION.
Claims use since Mar. 27, 1946.

Ser. No. 503,625. Associated Merchandising Corporation, New York, N. Y. Filed June 11, 1946.

P+S

FOR BRUSHLESS SHAVING CREAM.
Claims use since Apr. 5, 1939.

Ser. No. 503,800. Consolidated Cosmetics, Chicago, Ill. Filed June 13, 1946.

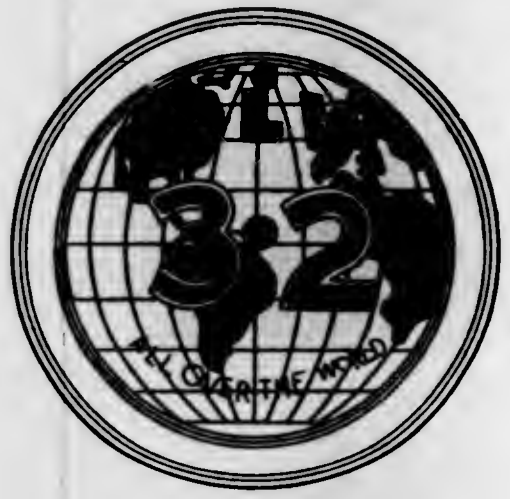
BATU

FOR TOILET SOAP, LAUNDRY SOAP, ABRASIVE GRAINS AND POWDERS, SHOE POLISH, AND SILVER POLISH.
Claims use since June 10, 1946.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 466,815. T. L. Vick, Norman, Okla. Filed Jan. 22, 1944.



FOR PREPARATION FOR REMOVING DANDRUFF, STOP FALLING HAIR, AND FOR TREATING ITCHING SCALP AND OTHER SCALP DISORDERS.
Claims use since Sept. 1, 1943.

Ser. No. 473,308. Commercial Solvents Corporation, New York, N. Y. Filed Aug. 16, 1944.

CSC

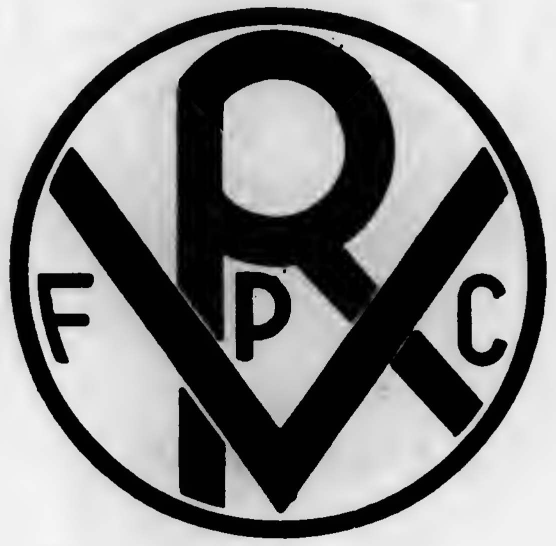
FOR PENICILLIN COMPOUNDS.
Claims use since Apr. 29, 1944.

Ser. No. 487,231. Michael J. Walsh, doing business as Dietary Laboratories, San Diego, Calif. Filed Aug. 17, 1945.

BIO-DYNES

FOR CONCENTRATED FOOD MATERIAL FOR USE IN HUMAN DIET CONTAINING VITAMINS AND MINERALS.
Claims use since Jan. 12, 1945.

Ser. No. 489,632. Maiju Viita, doing business as V Company, Lantana, Fla. Filed Oct. 8, 1945.



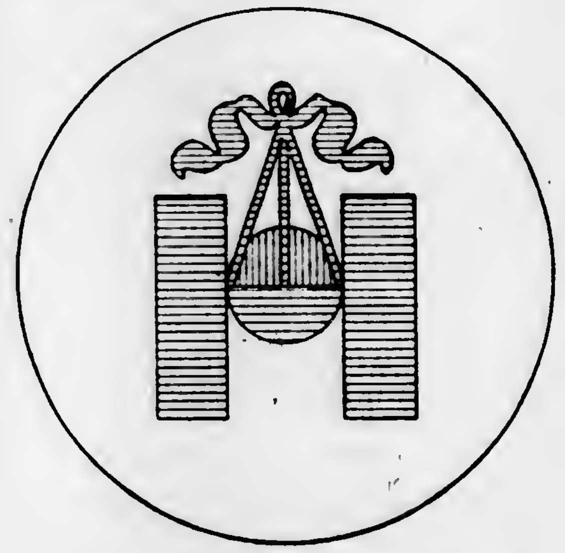
FOR FACIAL PACK.
Claims use since Apr. 30, 1945.

Ser. No. 489,909. Charles C. Haskell & Co., Inc., Richmond, Va. Filed Oct. 13, 1945.

CAFED

FOR MEDICINAL PREPARATION CONTAINING VITAMIN D.
Claims use since Jan. 4, 1944.

Ser. No. 490,146. Standard Laboratories, Inc., New York, N. Y. Filed Oct. 18, 1945.



The horizontal shading on the drawing represents the color blue and the vertical shading represents the color red.
FOR ANTACID AND LAXATIVE.
Claims use since Oct. 1, 1945.

Ser. No. 492,758. Associated Products, Inc., Chicago, Ill. Filed Dec. 6, 1945.

LIP-PACT

Applicant disclaims the word "Lip" apart from the mark.
FOR COMBINATION UNIT OF LIPSTICK AND BRUSH APPLICATOR.
Claims use since Oct. 18, 1945.

Ser. No. 493,221. Sales Affiliates, Inc., New York, N. Y. Filed Dec. 13, 1945.

JETEL

FOR WAVING LOTION, NORMALIZER LOTION, HAIR CONDITIONING CREAM, AND HAND CREAM.
Claims use since Nov. 30, 1945.

Ser. No. 494,774. Avon Products, Inc., New York, N. Y., assignor to Kay Daumit, Inc., Chicago, Ill. Filed Jan. 15, 1946.

DOUBLE DARE

FOR LIPSTICK, ROUGE, AND NAIL POLISH.
Claims use since Oct. 25, 1945.

Ser. No. 494,934. Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Filed Jan. 17, 1946.

GANIDAN

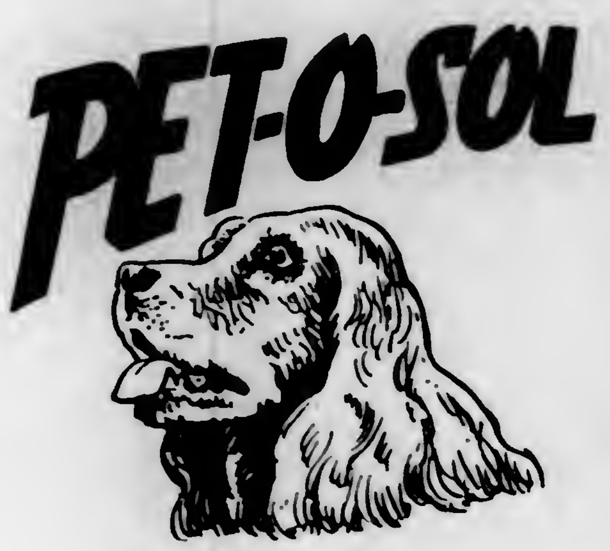
FOR MEDICINAL PREPARATION COMPRISING A SULFAMIDE PRODUCT CORRESPONDING CHEMICALLY TO P. AMINOBENZENE-SULFONYLGUANIDINE FOR USE IN THE TREATMENT OF BACILLARY DYSENTERY AND DIARRHETIC SYNDROMES, SEASONAL DIARRHEAS, DYSENTERY, AND ENTERITIS.
Claims use since Mar. 29, 1943.

Ser. No. 495,718. Barron Chemical Corp., New York, N. Y. Filed Jan. 31, 1946.

CAPICILLIN

FOR DRUG WHICH CONTAINS AN ORAL FORM OF PENICILLIN FOR USE IN TREATMET OF DISEASES AS INDICATED BY PENICILLIN.
Claims use since Jan. 4, 1946.

Ser. No. 496,030. E. John Kennedy, New York, N. Y. Filed Feb. 5, 1946. Under the act of February 20, 1905, as amended June 10, 1938.



FOR INSECTICIDES.
Claims use since Oct. 20, 1945.

Ser. No. 496,031. E. John Kennedy, New York, N. Y. Filed Feb. 5, 1946. Under the act of February 20, 1905, as amended June 10, 1938.

No claim is made to the word "Spray" and no claim is made to the outline of the label appearing on the drawing.
FOR INSECTICIDES.
Claims use since Sept. 10, 1945.

Ser. No. 497,144. The Upjohn Company, Kalamazoo, Mich. Filed Feb. 23, 1946.

Isocarbonate

FOR MEDICINAL PREPARATION FOR USE AS AN ALKALIZER.
Claims use since Nov. 20, 1945.

Ser. No. 499,957. J. B. Mast Co., Inc., New York, N. Y. Filed Apr. 10, 1946.

MASCO

FOR LURING GREASE FOR USE ON HAT SURFACES AS A PRELIMINARY STEP TO THE APPLICATION OF A FINISHING POWDER, BRIM STIFFENER CHEMICALS FOR HATS, AND HAT MAKER'S KITS CONTAINING SOME OR ALL OF THE ABOVE.
Claims use since the early part of the year 1940.

Ser. No. 500,182. Martin C. Peters, doing business as Toilet Paint and Chemical Co., Toledo, Ohio. Filed Apr. 18, 1946.

SOOT-EX

The word "Soot" is disclaimed apart from the mark.
FOR CHEMICAL PREPARATIONS FOR ELIMINATING SOOT AND SCALE FROM FURNACES, BOILERS, STACKS, AND THE LIKE.
Claims use since Mar. 18, 1946.

Ser. No. 502,154. Jack Price, Los Angeles, Calif. Filed May 15, 1946.

Prinal

FOR PERFUME, COLOGNE, AND TOILET WATER.
Claims use since May 3, 1946.

Ser. No. 502,176. Dell Alvos, doing business as Sultech Company, Guadalupe, Calif. Filed May 16, 1946.

SULTECH

FOR SULPHUR DIOXIDE.
Claims use since June 1940.

Ser. No. 502,225. Jules Montenier, doing business as Select Cosmetics, Chicago, Ill. Filed May 16, 1946.

Aureole

FOR HAIR DRESSING AND SHAMPOO.
Claims use since Nov. 1, 1931.

Ser. No. 502,663. Pavillon Cosmetics, Incorporated, Yonkers, N. Y. Filed May 23, 1946.

Pavilion

FOR TOILET CREAM.
Claims use since May 1, 1946.

Ser. No. 503,067. Flower Foods, Inc., Maywood, Ill. Filed May 31, 1946.

B

FOR COMPOSITION CONTAINING CHEMICAL INGREDIENTS FOR STRENGTHENING, FEEDING, AND PROMOTING THE DEVELOPMENT OF CUT PLANTS AND FLOWERS.
Claims use since Feb. 1, 1939.

Ser. No. 503,125. S. Pfeiffer Mfg. Co., St. Louis, Mo. Filed May 31, 1946.

Miraldo

FOR HAIR AND SCALP LOTION, SHAMPOO, AND AFTER-SHAVING BALM.
Claims use since May 1, 1946.

Ser. No. 503,200. William S. Hieber, doing business as Henri Monet, Atlanta, Ga. Filed June 3, 1946.

SOMEBODY LOVES ME!

FOR PERFUMES.
Claims use since October 1932.

Ser. No. 503,971. William Thomas Carroll, doing business as The X-Term-A Company, Gorham, Maine. Filed June 15, 1946.

X·TERM·A

FOR MEDICATED OINTMENT FOR EXTERNAL USE FOR ITCHING CAUSED BY ECZEMA AND ATHLETE'S FOOT.
Claims use since Jan. 1, 1935.

Ser. No. 504,414. Anna-Jean Yuill, Chicago, Ill., assignor to Consolidated Cosmetics, Chicago, Ill., a firm. Filed June 21, 1946.

TABUCOLA

FOR ASPIRIN.
Claims use since June 25, 1944.

Ser. No. 504,911. Lederle Laboratories, Inc., New York, N. Y., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine. Filed July 1, 1946.

SULMET

FOR SULFAMETHAZINE PREPARATIONS FOR USE IN VETERINARY MEDICINE.
Claims use since June 20, 1946.

Ser. No. 504,993. Nion Corporation, Los Angeles, Calif. Filed July 2, 1946.

THEASCORB

FOR TABLETS CONTAINING ASCORBIC ACID, THIAMINE, RACEPHEDRINE AND THEOPHYLLINE, WITH FILLERS AND EXCIPIENTS FOR THERAPEUTIC PURPOSES—NAMELY, FOR THE TREATMENT OF HAY FEVER, ASTHMA, AND ALLERGIC CONDITIONS.
Claims use since June 18, 1946.

Ser. No. 505,549. Associated Products, Inc., Chicago, Ill. Filed July 13, 1946.

SHANTUNG

FOR FACE LOTIONS, SKIN BLEACHES, VANISHING, CLEANSING AND COLD CREAMS, PADS CHEMICALLY IMPREGNATED WITH A CREAM OR LOTION FOR USE IN CLEANSING THE FACE, FACE POWDER, FACE MAKE-UP IN LIQUID FORM, CAKE MAKE-UP, LIPSTICKS, CAKE, LIQUID AND CREAM ROUGES, TALCUM POWDER, LIQUID NAIL POLISH REMOVER, PADS IMPREGNATED WITH NAIL POLISH REMOVER, CUTICLE SOFTENER, CUTICLE REMOVER, HAND LOTIONS, NAIL POLISHES, HAND CREAMS, HAIR WAX, PADS IMPREGNATED WITH LACQUER FOR USE IN DRESSING THE HAIR, HAIR TONICS, HAIR OIL, BRILLIANTINE (SOLID AND LIQUID), SHAMPOOS, HAIR WAVE LOTIONS, HAIR BLEACHES, POMADES (IN POTS, STICKS AND CAKES), EYEBROW PENCIL, MASCARA, EYE SHADOW, TOILET WATER, PERFUME, CREAM COLOGNE, EAU DE COLOGNE, BATH SALTS, SMELLING SALTS, SACHET POWDERS, DUSTING POWDER, DEODORANTS (LIQUID AND CREAM FORM), PADS IMPREGNATED WITH LIQUID AND CREAM DEODORANTS AND DEPILATORIES IN SOLID, CAKE AND LIQUID FORM.
Claims use since June 21, 1946.

Ser. No. 505,551. Associated Products, Inc., Chicago, Ill. Filed July 13, 1946.

TIP AND TOE

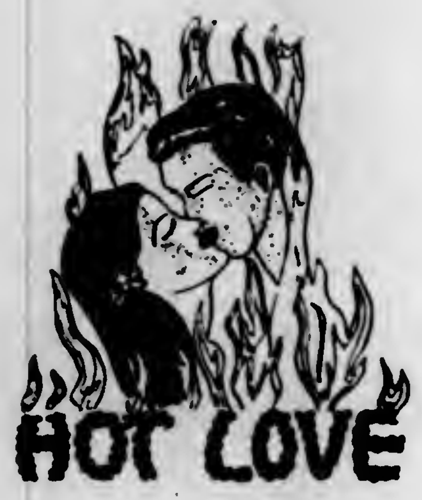
FOR FACE LOTIONS, SKIN BLEACHES, VANISHING, CLEANSING AND COLD CREAMS, PADS CHEMICALLY IMPREGNATED WITH A CREAM OR LOTION FOR USE IN CLEANSING THE FACE, FACE POWDER, FACE MAKE-UP IN LIQUID FORM, CAKE MAKE-UP, LIPSTICKS, CAKE, LIQUID AND CREAM ROUGES, TALCUM POWDER, LIQUID NAIL POLISH REMOVER, PADS IMPREGNATED WITH NAIL POLISH REMOVER, CUTICLE SOFTENER, CUTICLE REMOVER, HAND LOTIONS, NAIL POLISHES, HAND CREAMS, HAIR WAX, PADS IMPREGNATED WITH LACQUER FOR USE IN DRESSING THE HAIR, HAIR TONICS, HAIR OIL, BRILLIANTINE (SOLID AND LIQUID), SHAMPOOS, HAIR WAVE LOTIONS, HAIR BLEACHES, POMADES (IN POTS, STICKS AND CAKES), EYEBROW PENCIL, MASCARA, EYE SHADOW, TOILET WATER, PERFUME, CREAM COLOGNE, EAU DE COLOGNE, BATH SALTS, SMELLING SALTS, SACHET POWDERS, DUSTING POWDER, DEODORANTS (LIQUID AND CREAM FORM), PADS IMPREGNATED WITH LIQUID AND CREAM DEODORANTS AND DEPILATORIES IN SOLID, CAKE AND LIQUID FORM.
Claims use since June 12, 1946.

Ser. No. 505,603. Eli Lilly and Company, Indianapolis, Ind. Filed July 13, 1946.

KAPPADIONE

FOR MEDICINAL PREPARATION CONTAINING VITAMIN K DIPHOSPHATE, USED IN THE PREVENTION AND TREATMENT OF HEMORRHAGIC DISORDERS CAUSED BY VITAMIN K DEFICIENCY.
Claims use since July 1, 1946.

Ser. No. 505,705. Lucky Heart Laboratories, Inc., doing business as Lucky Heart Company, Memphis, Tenn. Filed July 16, 1946.



The portraits shown on the drawing are fanciful.
FOR PERFUME AND TOILET WATER.
Claims use since May 10, 1946.

Ser. No. 505,970. Mangan & Company Laboratories, New York, N. Y. Filed July 20, 1946.

"Dejem"

FOR PREPARATION FOR THE TREATMENT OF CANINE DISTEMPER.
Claims use since Mar. 19, 1920.

Ser. No. 506,096. Coty, Inc., New York, N. Y. Filed July 23, 1946.

GISELLE

FOR FACE POWDER, DUSTING POWDER, TOILET WATER, PERFUME, SUNTAN OIL, SKIN AND HAIR LOTIONS, BRILLIANTINE, ROUGE COMPACTS, POWDER COMPACTS, LIPSTICKS, SACHET POWDERS, EAU DE COLOGNE, FACE CREAMS, BATH SALTS, TALCUM POWDERS, AND ROUGES.
Claims use since July 15, 1946.

Ser. No. 507,346. Sharp & Dohme, Incorporated, Philadelphia, Pa. Filed Aug. 13, 1946.

TRESANOIDS

FOR RECTAL SUPPOSITORY.
Claims use since July 22, 1946.

Ser. No. 509,302. Rigo Manufacturing Company, Nashville, Tenn. Filed Sept. 18, 1946.

Menthoin

FOR SALVE USED FOR THE RELIEF OF COLDS, NEURALGIA, AND MINOR IRRITATIONS OF THE SKIN.
Claims use since Sept. 9, 1946.

Ser. No. 509,303. Rigo Manufacturing Company, Nashville, Tenn. Filed Sept. 18, 1946.

KLiSTA

FOR MOUTH WASH.
Claims use since Sept. 16, 1946.

Ser. No. 510,828. Chemi-Troll Products, doing business as Commercial Chemical Co., Gibsonburg, Ohio. Filed Oct. 14, 1946.

Chemi-Kill

No claim is made to the word "Kill" apart from the mark.
FOR INSECTICIDES, FUNGICIDES, HERBICIDES, AND INSECT REPELLANTS.
Claims use since October 1945.

CLASS 7
CORDAGE

Ser. No. 512,323. Compania de Jarcia de Matanzas, S. A., doing business as Matanzas Cordage Company, Habana, Cuba. Filed Nov. 9, 1946.

SICO

FOR ROPE.
Claims use since about 1936.

Ser. No. 512,465. Tubbs Cordage Company, San Francisco, Calif. Filed Nov. 12, 1946.

Rancho

FOR MANILA ROPE.
Claims use since Nov. 1, 1934.

CLASS 11
INKS AND INKING MATERIALS

Ser. No. 498,312. Replica Products Company, New York, N. Y. Filed Mar. 15, 1946.

REPLIMAT

FOR PRINTING INKS, DRAWING INKS, TYPEWRITER RIBBONS, AND CARBON PAPERS USED FOR OFFSET LITHOGRAPHY.
Claims use since June 1945.

CLASS 12
CONSTRUCTION MATERIALS

Ser. No. 502,180. Armstrong Cork Company, Manheim Township, Lancaster County, Pa. Filed May 16, 1946.

ARRESTONE

FOR ACOUSTICAL INSULATION COMPOSED OF A PAD OF FIBROUS SOUND ABSORBING MATERIAL CONTAINED WITHIN A PERFORATED METAL PAN.
Claims use since May 4, 1946.

Ser. No. 502,708. Edward J. Miller, doing business as Perma-Stone Company, Columbus, Ohio. Filed May 24, 1946.

PERMA-STONE

No rights are claimed in or to the word "Stone" except in association with the other features of the mark.

FOR CEMENTITIOUS WALL SURFACING; ARTIFICIAL STONE; AND COLORING ADMIXTURES AND OTHER INGREDIENTS IN POWDERED FORM FOR INCORPORATION IN CONCRETE, PLASTER, AND CEMENT MORTARS FOR THE PURPOSE OF GIVING DESIRED COLOR AND TEXTURE TO SUCH MATERIALS.
Claims use since Nov. 1, 1929.

Ser. No. 508,956. The American Fluresit Company, Cincinnati, Ohio. Filed Sept. 13, 1946.

FLURESIT

FOR MATERIALS FOR RENDERING MORTAR AND HYDRAULIC CEMENT MATERIALS WATERPROOF; MATERIALS FOR DUST-PROOFING, HARDENING, AND WATERPROOFING MORTAR AND HYDRAULIC CEMENT SURFACES; WATERPROOFING AND DAMPPROOFING COMPOSITIONS FOR COATING SURFACES OF MASONRY STRUCTURES; AND AGGREGATES FOR MORTAR AND HYDRAULIC CEMENT MIXTURES.
Claims use since May 14, 1920.

CLASS 14
METALS AND METAL CASTINGS AND FORGINGS

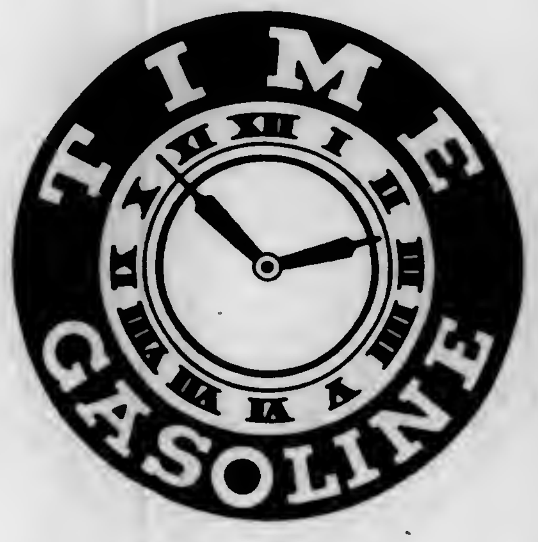
Ser. No. 492,035. Crucible Steel Company of America, New York, N. Y. Filed Nov. 23, 1945.

REXALLOY

FOR CAST ALLOYS OF COBALT, CHROMIUM AND TUNGSTEN, IN THE FORMS OF UNFINISHED CASTINGS FOR METAL CUTTING TOOLS OF ALL TYPES AND FOR WEAR-RESISTANT AND HOT-WORK APPLICATIONS—NAMELY, WIRE GUIDES AND HOT EXTRUSION DIES, AND ALSO FOR CONSUMABLE METALLIC WELDING RODS.
Claims use since July 27, 1938.

CLASS 15
OILS AND GREASES

Ser. No. 477,382. Time Oil Co., Seattle, Wash. Filed Dec. 9, 1944.



No claim is made to the word "Gasoline" apart from the mark.

FOR GASOLINE.
Claims use since Sept. 1, 1944.

CLASS 16
PAINTS AND PAINTERS' MATERIALS

Ser. No. 495,206. Advance Solvents & Chemical Corporation, New York, N. Y. Filed Jan. 23, 1946.

HEXOGEN

FOR METALLIC SOAPS OF FATTY ACIDS USED AS SICCATIVES IN THE PAINT AND VARNISH TRADE.
Claims use since July 9, 1945.

Ser. No. 496,568. Protective Coatings Corporation, Belleville, N. J. Filed Feb. 14, 1946.

PLASTIPEEL

FOR COATING MATERIAL OF LACQUER, VARNISH AND LIKE ORIGIN ADAPTED TO BE LIQUEFIED BY MEANS OF HEAT AND/OR PROPER SOLVENTS AND IN WHICH ARE DIPPED METALLIC OBJECTS, THE RESULTANT FILM ON WITHDRAWING THE OBJECTS FROM SAID MATERIAL BEING ADAPTED TO PREVENT CORROSION OF SAID OBJECTS.
Claims use since Jan. 23, 1946.

Ser. No. 497,592. Ceraseal Corporation, Chicago, Ill., assignor to Ceraseal Chemical Corporation, Chicago, Ill., a corporation of Delaware. Filed Mar. 4, 1946.

doub-L-life

FOR LIQUID PROTECTIVE TREATMENT PREPARATION OR COATING IN THE NATURE OF PAINT FOR WATER-REPELLING, WATER-PROOFING, MOLD-PROOFING, FUNGUS-PROOFING, CORROSION AND RUST-PROOFING; SYNTHETIC LACQUERS FOR COATING WOOD, FABRICS, PAPER AND COMPOSITIONS; AND WATER-PROOF COLOR STAINS.
Claims use since Nov. 15, 1945.

CLASS 17
TOBACCO PRODUCTS

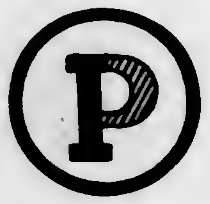
Ser. No. 500,347. Academy Award Products, Inc., New York, N. Y. Filed Apr. 17, 1946.

ACADEMY AWARD

FOR SMOKING TOBACCO, CIGARS, AND CIGARETTES.
Claims use since Feb. 6, 1946.

CLASS 21
ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 494,411. Photoswitch Incorporated, Cambridge, Mass. Filed Jan. 7, 1946.



The lining on the drawing is a part of the design of the mark, and is not intended to represent a color.

FOR ELECTRICAL SIGNAL AMPLIFYING AND/OR RELAYING APPARATUS OPERATED BY PHENOMENA DETECTED PHOTOELECTRICALLY OR BY MEANS OF OTHER VARIABLE IMPEDANCE ELEMENTS SUCH AS ELECTRICAL PROBE ELEMENTS IN CONTACT WITH OR DISPOSED TO COME INTO CONTACT WITH AN AGENCY TO BE CONTROLLED, ELECTRICAL PROBE ELEMENTS AND SIMILAR APPARATUS FOR USE WITH SUCH RELAYING AND/OR SIGNAL AMPLIFYING APPARATUS, AND ELECTRICALLY OPERATED ILLUMINATION SOURCES FOR USE WITH SAID SIGNAL AMPLIFYING AND/OR RELAYING APPARATUS WHEN PHOTOELECTRICALLY OPERATED, THE FOREGOING APPARATUS BEING USED FOR CONTROLLING THE CONDITION OF A CONTROLLED CIRCUIT IN ACCORDANCE WITH THE CONDITION OF A DETECTED PHENOMENON AFFECTING THE OPERATING MEANS; ELECTRICAL TIME METERING DEVICES FOR PROVIDING AN ELECTRICAL SIGNAL OR SIGNALS OF A PREDETERMINED TIME DURATION OR DURATIONS SINGLY OR IN A PREDETERMINED SEQUENCE IN RESPONSE TO A CHANGE IN THE CONDITION OF THE INPUT CIRCUIT THEREOF, SAID TIME METERING DEVICES BEING INTENDED FOR USE ALONE OR IN COOPERATION WITH SAID FOREGOING RELAYING AND/OR AMPLIFYING APPARATUS; AND ELECTRICAL EQUIPMENT HOUSINGS AND PARTS AND ACCESSORIES FOR THE FOREGOING APPARATUS AND DEVICES.
Claims use since June 15, 1939.

Ser. No. 498,214. Electra Voice Corporation, Chicago, Ill. Filed Mar. 14, 1946.

ElectraVoice

No exclusive claim to the word "Voice" is made except in connection with the mark as shown.

FOR TELEPHONIC CALL APPARATUS INCLUDING TRANSMITTERS, RECEIVERS AND AMPLIFIERS; TELEPHONIC COMMUNCIATION APPARATUS; ELECTRICAL PUBLIC ADDRESS APPARATUS; TELEGRAPHIC CALL APPARATUS INCLUDING TRANSMITTERS, RECEIVERS AND AMPLIFIERS; TELEGRAPHIC COMMUNICATION APPARATUS; RADIO CALL APPARATUS INCLUDING TRANSMITTERS, RECEIVERS AND AMPLIFIERS; RADIO COMMUNICATION APPARATUS INCLUDING TRANSMITTERS, RECEIVERS AND AMPLIFIERS; LOUD SPEAKERS; MICROPHONES; MICROPHONE STANDS; MICROPHONE ACCESSORIES; TELEPHONE TYPE AND OTHER TYPE RELAYS; ROTARY SWITCHES; PRECISION RESISTORS; HORN TYPE ANTENNAE; TELEPHONE TRANSMITTERS; TELEPHONE RECEIVERS; TRANSCIEVERS—NAMELY, A COMBINATION TELEPHONE TRANSMITTER AND RECEIVER; POWER TRANSMITTERS FOR RADIO AND RADAR; POWER RECEIVING SETS FOR RADIO AND RADAR; TRANSCEIVERS—NAMELY, A COMBINATION TRANSMITTER AND RECEIVER FOR RADIO AND RADAR; INFRA-RED TRANSMITTERS, RECEIVERS AND TRANSCEIVERS FOR COMMUNICATION SYSTEMS; VARIABLE CONDENSERS; INTER-COMMUNICATION TELEPHONE APPARATUS FOR HOME, OFFICE, INSTITUTIONAL AND INDUSTRIAL USE, PUBLIC AND PRIVATE; INTER-COMMUNICATION RADIO APPARATUS FOR HOME, OFFICE, INSTITUTIONAL AND INDUSTRIAL USE, PUBLIC AND PRIVATE; INTER-COMMUNICATING RADIO AND TELEPHONE APPARATUS FOR HOME, OFFICE, INSTITUTIONAL AND INDUSTRIAL USE, PUBLIC AND PRIVATE; AUTOMATIC ELECTRIC FIRE ALARM APPARATUS; AND PARTS THEREOF AND THEREFOR.

Claims use on telephonic call apparatus including transmitters, receivers and amplifiers; telephonic communication apparatus; electrical public address apparatus; telegraphic call apparatus including transmitters, receivers and amplifiers; telegraphic communication apparatus; loud speakers; microphones; microphone stands; microphone accessories; telephone transmitters; telephone receivers; transceivers—namely, a combination telephone transmitter and receiver; and inter-communication telephone apparatus for home, office, institutional and industrial use, public and private, since September 1921; on radio call apparatus including transmitters, receivers and amplifiers; radio communication apparatus including transmitters, receivers and amplifiers; inter-communication radio apparatus for home, office, institutional and industrial use, public and private; and inter-communicating radio and telephone apparatus for home, office, institutional and industrial use, public and private since July 1941; on telephone type and other type relays, and rotary switches since August 1941; on transceivers—namely, a combination transmitter and receiver for radio and radar since March 1942; on automatic electric fire alarm apparatus since October 1942; on power transmitters for radio and radar, and power receiving sets for radio and radar since August 1943; on horn type antennae since November 1943; on precision resistors since May 1944; on variable condensers since October 1945; and on infra-red transmitters, receivers and transceivers for communication systems since January 1946.

Ser. No. 499,351. Radiron Corporation, Miamisburg, Ohio. Filed Mar. 30, 1946.

RADIRON

FOR ELECTRIC IRONS.
Claims use since Feb. 12, 1946.

Ser. No. 501,920. Musivox Sales Company, New York, N. Y. Filed May 11, 1946.

Musivox

FOR RADIO RECEIVING SETS AND ELECTRIC PHONOGRAPHS.
Claims use since Apr. 15, 1946.

Ser. No. 502,527. The Okonite Company, Passaic, N. J. Filed May 21, 1946.

DUALAY

FOR AERIAL CABLE.
Claims use since Jan. 26, 1946.

Ser. No. 502,793. Belden Manufacturing Company, Chicago, Ill. Filed May 27, 1946.

NYLTEX

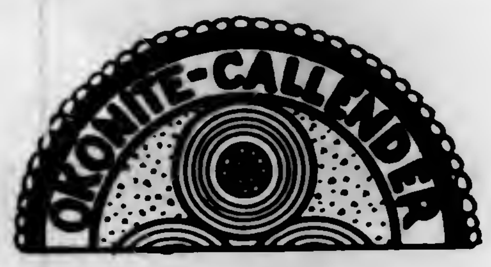
FOR INSULATED COPPER WIRE USED IN THE MANUFACTURE OF ELECTRIC COILS AND MAGNETS.
Claims use since Apr. 1, 1944.

Ser. No. 507,758. The Teleregister Corporation, New York, N. Y. Filed Aug. 21, 1946.

TRANSMITYPER

FOR TELEGRAPHIC TYPING APPARATUS.
Claims use since May 24, 1945.

Ser. No. 507,998. The Okonite Callender Cable Company, Incorporated, Paterson, N. J. Filed Aug. 24, 1946.



The word "Callender" and the representation of an insulated cable are disclaimed apart from the mark as shown.

FOR ELECTRICALLY INSULATED WIRE AND CABLE.
Claims use since 1924.

Ser. No. 510,381. Crawford's, Inc., Beverly Hills, Calif. Filed Oct. 7, 1946.

DIMENSITONE

FOR LOUD SPEAKERS.
Claims use since on or about June 7, 1946.

Ser. No. 510,483. Commander Products, Chicago, Ill. Filed Oct. 9, 1946.

Commander

FOR ELECTRIC FLAT IRONS.
Claims use since Aug. 27, 1946.

Ser. No. 510,853. Mastergrip Utilities Supply Corporation, St. Louis, Mo. Filed Oct. 14, 1946.

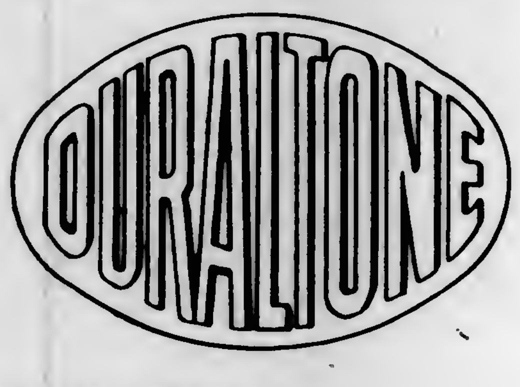
GROUNDEX

FOR ELECTRICAL GROUNDING ASSEMBLIES FOR ATTACHMENT TO POLE BUTTS.
Claims use since December 1939.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 498,609. Duraltone Toy Company, Inc., Lynbrook, Long Island, N. Y. Filed Mar. 20, 1946.



FOR TOY XYLOPHONES.
Claims use since Dec. 11, 1945

Ser. No. 501,338. Plastic Treasures, Inc., New York, N. Y. Filed May 2, 1946.

KLIPPY

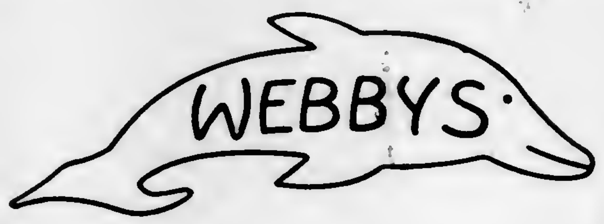
FOR INFANTS' TOY IN THE NATURE OF A PLASTIC SWINGING DOLL.
Claims use since March 1945.

Ser. No. 505,781. William Trumpler, Media, Pa. Filed July 17, 1946.

PLASTIWELD

FOR TOY CONSTRUCTION SETS.
Claims use since June 17, 1946.

Ser. No. 518,470. Hal Messinger Associates, Inc., Tampa, Fla., and Playa Del Rey, Calif. Filed Mar. 4, 1947.



FOR DEVICES FOR ATTACHMENT TO THE FEET FOR USE AS AIDS IN SWIMMING.
Claims use since Feb. 6, 1947.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 497,826. Arthur O. Spoeneman, doing business as Lawncraft Products, Clayton, Mo. Filed Mar. 7, 1946.

LAWNCRAFT

FOR LAWNMOWERS (HAND AND POWER OPERATED), RAKES, HOES, SPADES, SICKLES, SHOVELS, CLIPPERS (HAND AND POWER OPERATED), EDGERS, SCYTHES, SHEARS, SPIKE ROLLERS, HEDGE TRIMMERS (HAND AND POWER OPERATED) AND WHIPS.
Claims use since Nov. 20, 1945.

Ser. No. 499,607. Besler Corporation, Emeryville, Calif. Filed Apr. 4, 1946.

BES·KIL

The word "Kil" is disclaimed apart from the mark as shown.

FOR FOG GENERATING MACHINE FOR DISSEMINATING INSECTICIDES.

Claims use since Feb. 5, 1946.

Ser. No. 505,103. Gustin-Bacon Manufacturing Company, Kansas City, Mo. Filed July 5, 1946.

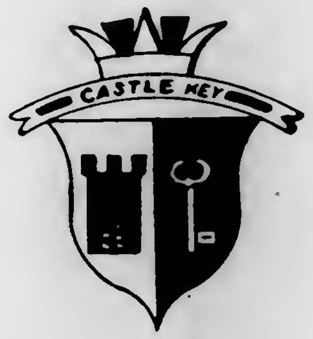
EXPAN-SEAL

The term "Seal" is disclaimed apart from its use in the mark.

FOR OIL WELL PUMP PLUNGERS.

Claims use since June 11, 1946.

Ser. No. 506,092. Castle Key Corp., New York, N. Y. Filed July 23, 1946.



FOR NOVELTY KEY BOTTLE OPENERS.

Claims use since June 27, 1946.

Ser. No. 508,559. Utility Blade & Razor Co., Cranford, N. J. Filed Sept. 5, 1946.

JET

FOR RAZOR BLADES.

Claims use since Aug. 23, 1946.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

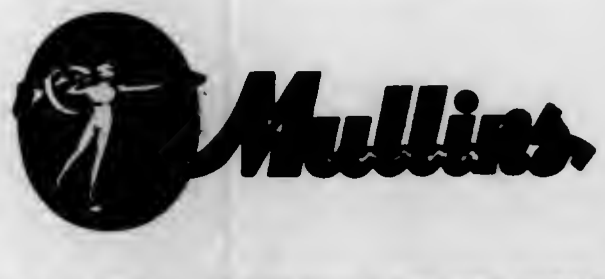
Ser. No. 492,578. Ralph S. Palmer, doing business as Ralph S. Palmer Co., Detroit, Mich. Filed Dec. 3, 1945.

HIDE-AWAY

FOR LAUNDRY RACKS.

Claims use since January 1933.

Ser. No. 494,698. Mullins Manufacturing Corporation, Salem and Warren, Ohio. Filed Jan. 12, 1946. Under section 5b of the act of 1905 as amended in 1920.



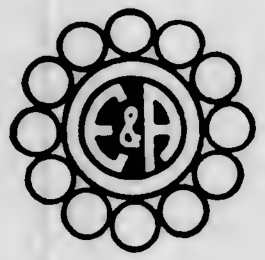
FOR STAMPED, PRESSED OR DRAWN STEEL WASH TUBS AND TUBS FOR WASHING MACHINES; AND STAMPED, PRESSED OR DRAWN STEEL WASH TUBS AND TUBS FOR WASHING MACHINES HAVING A PORCELAIN ENAMEL COATING THEREON.

Claims use since Oct. 1, 1945; and since 1890 as to the word "Mullins."

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 494,045. Eimer and Amend, New York, N. Y. Filed Dec. 29, 1945.



FOR VISCOSIMETER; FALLING DROP APPARATUS FOR MEASURING DENSITY OF BODY FLUIDS; SUBSIEVE SIZER FOR MEASURING PARTICLE SIZE; WASHING MACHINE FOR CLEANSING LABORATORY GLASSWARE; GRAVITOMETERS; AND VAN SLYKE MANOMETER BLOOD GAS APPARATUS.

Claims use since Sept. 25, 1940.

Ser. No. 500,276. Charles Bruning Company, Inc., New York, N. Y. Filed Apr. 16, 1946.

DIAMO

FOR AMMONIA-DEVELOPING SENSITIZED PAPERS.

Claims use since Mar. 26, 1946.

Ser. No. 507,511. Burke & James, Inc., Chicago, Ill. Filed Aug. 16, 1946.

LYCOMAR

FOR CAMERA LENSES, CAMERAS, PHOTOGRAPHIC ENLARGERS, AND PARTS THEREFOR.

Claims use since about Aug. 1, 1946.

Ser. No. 508,590. Federal Manufacturing & Engineering Corp., Brooklyn, N. Y. Filed Sept. 6, 1946.

DECAR

FOR PHOTOGRAPHIC LENSES.

Claims use since on or about Jan. 1, 1939.

Ser. No. 508,754. George A. Sprackling, doing business as Sprackling Products Company, Janesville, Wis. Filed Sept. 9, 1946.

8 IN 1

FOR MEASURING SPOON.

Claims use since July 3, 1946.

Ser. No. 514,589. Anthony C. Coccaro, doing business as Mercury Model Airplane Co., New York, N. Y. Filed Dec. 20, 1946.

MERCO

FOR AIRPLANE MODELS AND PARTS THEREFOR, FOR PRODUCTION, FULL SIZE OR OTHERWISE, STILL OR OPERATIONAL, SERVING IN THE NATURE OF UNIT PATTERNS FOR THE TURNOUT OF COMMERCIAL ARTICLES.

Claims use since Mar. 1, 1946.

CLASS 27

HOROLOGICAL INSTRUMENTS

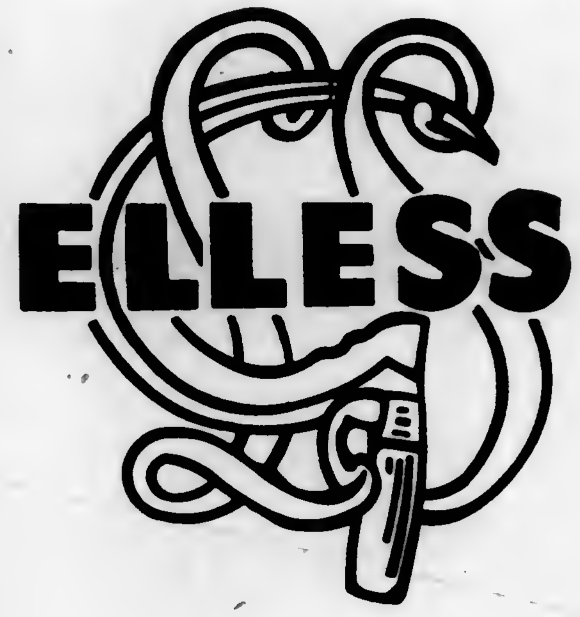
Ser. No. 492,799. Louis Sickles, Philadelphia, Pa. Filed Dec. 6, 1945.

ELLESS

FOR WATCHES AND WATCH CASES.

Claims use since August 1923.

Ser. No. 492,800. Louis Sickles, Philadelphia, Pa. Filed Dec. 6, 1945.



FOR WATCHES AND WATCH CASES.

Claims use since on or about August 1923.

Ser. No. 499,272. Perez Mereminsky, Brooklyn, N. Y. Filed Mar. 29, 1946.

ONYX-STEEL

No claim is made to the word "Steel" apart from the mark.

FOR MATERIAL FOR WATCHES CONSISTING OF WATCH MAIN-SPRINGS.

Claims use since Aug. 10, 1944.

Ser. No. 508,708. Bulova Watch Company, Inc., New York, N. Y. Filed Sept. 9, 1946.

LADY
EXCELLENCY

FOR WATCHES—NAMELY, WRIST OR STRAP WATCHES.

Claims use since Feb. 8, 1938.

Ser. No. 508,709. Bulova Watch Company, Inc., New York, N. Y. Filed Sept. 9, 1946.

MISS
EXCELLENCY

FOR WATCHES—NAMELY, WRIST OR STRAP WATCHES.

Claims use since Feb. 8, 1938.

Ser. No. 509,054. THE UNITED STATES TIME CORPORATION, Waterbury, Conn. Filed Sept. 13, 1946.

FOTRON

FOR WATCHES AND CLOCKS, BOTH CASED AND UNCASED, AND PARTS THEREFOR.
Claims use since Aug. 7, 1946.

Ser. No. 509,217. R. GSELL & CO., INC., New York, N. Y. Filed Sept. 17, 1946.

TIMELOOM

FOR WATCHES, WATCH MOVEMENTS, WATCH-CASES AND PARTS THEREOF.
Claims use since July 31, 1946.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 506,744. FINE ARTS STERLING SILVER COMPANY, Philadelphia, Pa. Filed Aug. 2, 1946.

Tranquillity

FOR SILVER FLATWARE—NAMELY, TABLE-KNIVES, BUTTER-KNIVES, YOUTH-KNIVES, TABLE-FORKS, SALAD-FORKS, COLD MEAT-FORKS, COCKTAIL-FORKS, YOUTH-FORKS, BABY-FORKS, SOUP-SPOONS, TEASPOONS, BERRY-SPOONS, TABLE-SPOONS, ICE DRINK-SPOONS, DESSERT-SPOONS, COFFEE-SPOONS, YOUTH-SPOONS, BABY-SPOONS, BUTTER-SPREADERS, SUGAR SHELLS, GRAVY LADLES, AND TOMATO SERVERS.
Claims use since Oct. 24, 1945.

Ser. No. 506,745. FINE ARTS STERLING SILVER COMPANY, Philadelphia, Pa. Filed Aug. 2, 1946.

PROCESSIONAL

FOR SILVER FLATWARE—NAMELY, TABLE-KNIVES, BUTTER-KNIVES, YOUTH-KNIVES, TABLE-FORKS, SALAD-FORKS, COLD MEAT-FORKS, COCKTAIL-FORKS, YOUTH-FORKS, BABY-FORKS, SOUP-SPOONS, TEASPOONS, BERRY-SPOONS, TABLE-SPOONS, ICE DRINK-SPOONS, DESSERT-SPOONS, COFFEE-SPOONS, YOUTH-SPOONS, BABY-SPOONS, BUTTER-SPREADERS, SUGAR SHELLS, GRAVY LADLES AND TOMATO SERVERS.
Claims use since Oct. 1, 1945.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 505,884. ATLANTIC SOUTHWESTERN BROOM COMPANY, Baltimore, Md. Filed July 19, 1946.

GOLDEN GATE

FOR BROOMS.
Claims use since Oct. 12, 1920.

Ser. No. 507,456. THE BIXLER CORPORATION, Cleveland, Ohio. Filed Aug. 15, 1946.

Magic Fountain

Without waiving any of its common-law rights, the word "Fountain" is disclaimed apart from the mark.
FOR SHAVING BRUSHES.
Claims use since February 1946.

Ser. No. 508,546. PARMELEE PRODUCTS INC., Westfield, Mass. Filed Sept. 5, 1946.

Gorlee

FOR HOUSEHOLD BRUSHES—NAMELY, HAND BRUSHES, BOTTLE, VEGETABLE, AND FLOOR BRUSHES.
Claims use since July 19, 1946.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 502,766. CHARLES ADOLPH PETERS, Bayside, Long Island, N. Y. Filed May 25, 1946.

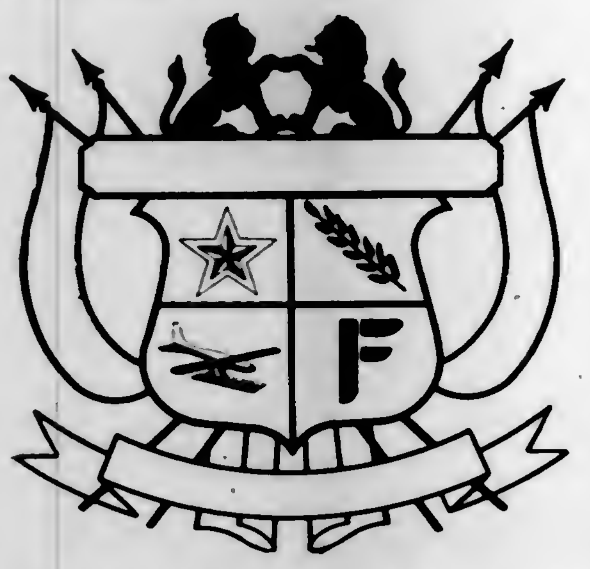
THE THREE MUSKETEERS

FOR CHINA, PORCELAIN AND EARTHENWARE ARTICLES—NAMELY, VASES, FLOWER CONTAINERS, FRUIT BOWLS, URNS, TEA SETS, DINNERWARE, SALT AND PEPPER SHAKERS AND DISHES.
Claims use since Feb. 15, 1946.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 498,001. ED FRIEDRICH, INCORPORATED, San Antonio, Tex. Filed Mar. 11, 1946.



FOR WALK-IN COOLERS, STORAGE COOLERS, REACH-IN REFRIGERATORS, DISPLAY CASES, FROZEN FOOD CASES, ALL OF WHICH ARE FOR COMMERCIAL USE ONLY.
Claims use since about July 1929.

Ser. No. 509,297. PINNACLE EQUIPMENT CORPORATION, Fleetwood, Pa. Filed Sept. 18, 1946.

PINNACLE

FOR REFRIGERATORS AND REFRIGERATING CASES—NAMELY, FREEZING CABINETS, DISPLAY CASES, STORAGE CASES, AND MEAT COUNTERS.
Claims use since May 21, 1946.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 483,735. PLYMOUTH WHOLESALE DRY GOODS CORPORATION, New York, N. Y. Filed May 24, 1945. Under the act of February 20, 1905, as amended June 10, 1938.

World o' Youth

FOR MATTRESSES, PLAYARDS, CRIBS, BEDS, CHAIRS, HIGH CHAIRS, CHIFFOROBES, DOOR AND PORCH SWINGS OF THE GLIDER TYPE FOR BABIES AND CHILDREN, CHAIRS AND AUXILIARY SEATS APPLICABLE TO CHAIRS AND BASSINETS FOR BABIES SLEEPING PURPOSES.
Claims use since Jan. 15, 1943.

Ser. No. 501,451. IRVING AND ANNA HERMAN, Chicago, Ill. Filed May 4, 1946.

GLASTEX

FOR UPHOLSTERY COVERS.
Claims use since Apr. 29, 1946.

Ser. No. 502,280. ELECTRONIC APPLIANCES CORP., Bronx, N. Y. Filed May 17, 1946.

Bilnor

FOR INFLATABLE PILLOWS COMPOSED OF PLASTIC SHEETS AND CONSTRUCTED IN SECTIONAL COMPARTMENTS AND ADAPTED TO BE USED ON THE GROUND AT BEACHES AND THE LIKE AS A HEAD REST.
Claims use since Apr. 15, 1946.

Ser. No. 506,244. KEYSTONE WINDOW SHADE COMPANY, INC., Pittsburgh, Pa. Filed July 25, 1946.

TUFFHIDE

FOR WINDOW SHADES.
Claims use since June 1, 1928.

Ser. No. 506,450. INTERSTATE LATEX COMPANY, Youngstown, Ohio. Filed July 29, 1946.

SlumberAir

The word "Air" is disclaimed for registration purposes apart from the mark.
FOR PILLOWS.
Claims use since July 14, 1946.

Ser. No. 506,608. A. MOODY & CO., INC., Los Angeles, Calif. Filed July 31, 1946.

So-Long

No claim is made to the word "Long" apart from the mark as shown.

FOR MATTRESSES AND BOX SPRINGS.

Claims use since Apr. 1, 1946.

Ser. No. 509,644. THE FEDERAL MACHINE AND WELDER COMPANY, Warren, Ohio. Filed Sept. 24, 1946.

Glazor

FOR PLASTIC COMPOSITION TABLE TOPS.

Claims use since Sept. 1, 1946.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

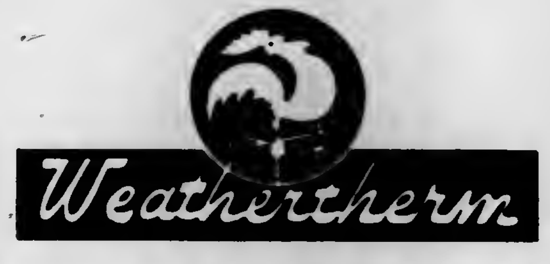
Ser. No. 493,990. WEATHERALL ENGINEERS, INCORPORATED, Providence, R. I. Filed Dec. 28, 1945.

Weathertherm

FOR OIL OR GAS BURNING HEAT GENERATING UNITS FOR HOME AND INDUSTRIAL USE, AND OIL OR GAS BURNING HEAT GENERATING UNITS FOR HOME AND INDUSTRIAL USE WITH A BLOWER ATTACHED FOR COOLING PURPOSES.

Claims use since Sept. 14, 1945.

Ser. No. 494,152. WEATHERALL ENGINEERS, INCORPORATED, Providence, R. I. Filed Dec. 29, 1945.



FOR OIL OR GAS BURNING HEAT GENERATING UNITS FOR HOME AND INDUSTRIAL USE, AND OIL OR GAS BURNING HEAT GENERATING UNITS FOR HOME AND INDUSTRIAL USE WITH A BLOWER ATTACHED FOR COOLING PURPOSES.

Claims use since Sept. 14, 1945.

Ser. No. 498,973. AMERICAN MOHAWK COMPANY, New York, N. Y. Filed Mar. 26, 1946.

MOHAWK

FOR OIL BURNERS.

Claims use since January 1936.

Ser. No. 500,406. JOSEPH MILLER, New York, N. Y., assignor to Regis Corporation, New York, N. Y., a corporation of New York. Filed Apr. 17, 1946.

GALAX

FOR PYROPHORIC AND CATALYTIC CIGARETTE LIGHTERS.

Claims use since Jan. 16, 1946.

Ser. No. 510,773. JOSEPH E. FERNLY, doing business as Fernly Products Co., Muskegon Heights, Mich. Filed Oct. 12, 1946.

ROXOR

FOR CHARCOAL AND OTHER SOLID FUEL GRILLS PARTICULARLY ADAPTABLE FOR THE BROILING AND GRILLING OF FOODS.

Claims use since Sept. 11, 1946.

Ser. No. 510,809. STANDARD FUEL ENGINEERING COMPANY, Detroit, Mich. Filed Oct. 12, 1946.

CHORE BOY

FOR GAS BURNERS FOR USE IN COAL OR OIL BURNING FURNACES TO CONVERT THE SAME TO THE USE OF GAS AS A FUEL.

Claims use since Aug. 23, 1946.

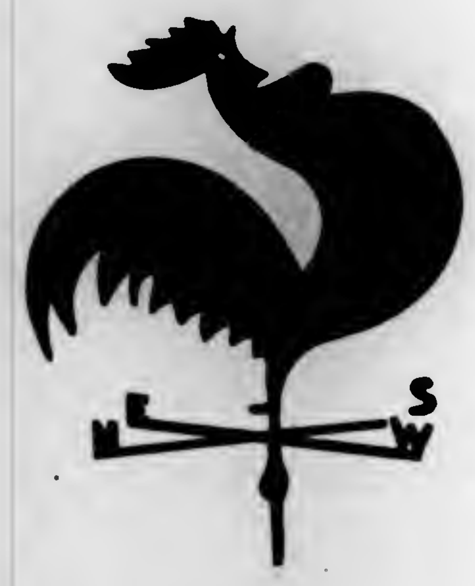
Ser. No. 511,606. WELLMAN B. FORD, doing business as Ford Manufacturing Company, Mount Kisco, N. Y. Filed Oct. 28, 1946.

STONELINE

FOR HOT WATER RANGE BOILERS.

Claims use since July 15, 1941.

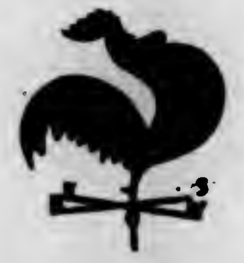
Ser. No. 514,384. WEATHERALL ENGINEERS, INCORPORATED, Providence, R. I. Filed Dec. 16, 1946.



FOR FLUID FUEL BURNERS, FLUID FUEL BURNING HEAT GENERATING UNITS FOR HOME AND INDUSTRIAL USE AND FLUID FUEL BURNING HEAT GENERATING UNITS FOR HOME AND INDUSTRIAL USE WITH A BLOWER ATTACHED FOR COOLING PURPOSES.

Claims use since July 28, 1938.

Ser. No. 514,515. WEATHERALL ENGINEERS, INCORPORATED, Providence, R. I. Filed Dec. 18, 1946.



Weatherall

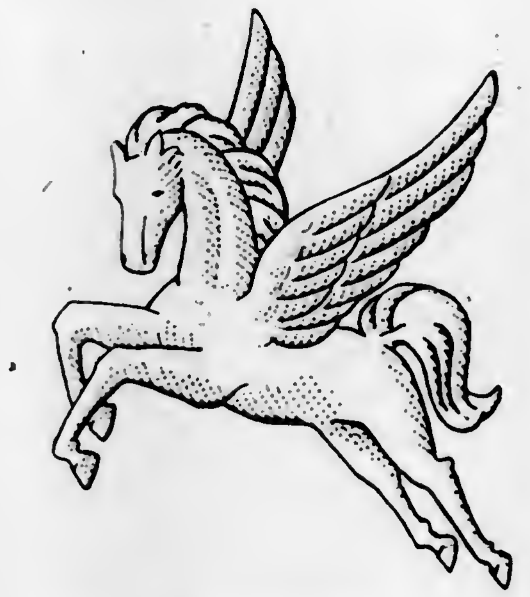
FOR FLUID FUEL BURNERS, FLUID FUEL BURNING HEAT GENERATING UNITS FOR HOME AND INDUSTRIAL USE AND FLUID FUEL BURNING HEAT GENERATING UNITS FOR HOME AND INDUSTRIAL USE WITH A BLOWER ATTACHED FOR COOLING PURPOSES.

Claims use since July 28, 1938.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 492,648. MAXWELL MEYERS, INC., San Antonio, Tex. Filed Dec. 4, 1945.



FOR MUSICAL INSTRUMENTS—NAMELY, CORNETS, TRUMPETS, TROMBONES, SAXOPHONES, CLARINETS, FLUTES, OBOES, AND PIANO ACCORDIONS.

Claims use since Nov. 15, 1945.

Ser. No. 500,817. MOO-VIE AUCTION SALES, INC., Pittsburgh, Pa. Filed Apr. 24, 1946.

MIKE-ING

HISTORY

The word "History" is disclaimed apart from the mark.

FOR PHYSICALLY GROOVED TRANSCRIPTION RECORDS.

Claims use since Mar. 19, 1946.

CLASS 37

PAPER AND STATIONERY

Ser. No. 494,408. THE LABEL-RITE CO. LIMITED, Toronto, Ontario, Canada. Filed Jan. 7, 1946.

AQUAPEEL

FOR PARTIALLY PRINTED GUMMED PAPER LABELS.

Claims use since Aug. 17, 1945.

Ser. No. 503,274. Western Tablet & Stationery Corporation, Dayton, Ohio. Filed June 4, 1946. Under 10-year proviso as to "Blair's" and "Penn."

Penn Linen

Applicant disclaims the word "Linen" apart from the mark.
FOR PAPER FOR WRITING AND PRINTING PURPOSES, BOXED STATIONERY COMPRISING ENVELOPES AND/OR PAPER EITHER FLAT OR FOLDED, ENVELOPES, PACKAGED PAPERS AND WRITING TABLETS.
Claims use since Feb. 11, 1909, as to the composite mark; since 1879 as to "Blair's"; and since 1894 as to "Penn."

Ser. No. 505,402. Howard R. Elzey, Upper Darby, Pa. Filed July 11, 1946.

LZ

FOR PHILATELIC ACCESSORY—NAMELY, A STAMP HINGE HOLDER AND DISPENSER.
Claims use since on or about Jan. 1, 1946.

Ser. No. 506,283. American Business Systems, Philadelphia, Pa. Filed July 26, 1946.

ABS FORMS

The word "Forms" as shown on the drawing is disclaimed apart from the mark.
FOR BUSINESS FORMS INTERLEAVED WITH CARBON PAPER.
Claims use since Aug. 1, 1942.

CLASS 38
PRINTS AND PUBLICATIONS

Ser. No. 498,146. Charles Nicholas Johnston, San Francisco, Berkeley, Pala Alto, and Oakland, Calif. Filed Mar. 13, 1946.

Nicholas Johnston

The trade-mark is a facsimile of the applicant's signature.
FOR PHOTOGRAPHS.
Claims use since Apr. 17, 1941.

Ser. No. 504,388. Red Circle Magazines Inc., New York, N. Y. Filed June 21, 1946.

Comic Capers

Applicant disclaims the descriptive word "Comic" separately from the mark as shown.
FOR MAGAZINE OR PUBLICATION PUBLISHED PERIODICALLY.
Claims use since August 1944.

Ser. No. 504,942. Transcontinental & Western Air, Inc., Kansas City, Mo. Filed July 1, 1946.

Starliner

FOR PERIODICAL PUBLISHED WEEKLY.
Claims use since Mar. 20, 1946.

Ser. No. 505,052. General Features Corporation, New York, N. Y. Filed July 3, 1946.

Why We Say

FOR NEWSPAPER CARTOON FEATURE.
Claims use since Apr. 13, 1946.

Ser. No. 505,326. Westinghouse Electric Corporation, East Pittsburgh, Pa. Filed July 9, 1946.

Stimu-light-or

FOR MAGAZINES PUBLISHED FROM TIME TO TIME.
Claims use since Oct. 15, 1935.

Ser. No. 505,627. Stock Market Trend Service Inc., Boston, Mass. Filed July 13, 1946.

The Objective Theory

FOR STOCK MARKET INVESTMENT SERVICE REPORTS AND STOCK ANALYSES IN SINGLE OR MULTIPLE PAGE FORM PUBLISHED AND DISTRIBUTED AT IRREGULAR INTERVALS.
Claims use since May 1, 1945.

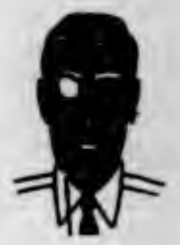
CLASS 39
CLOTHING

Ser. No. 497,054. Raymond M. Sussberg, New York, N. Y. Filed Feb. 21, 1946.

ARDEENE

FOR SLIPS AND NIGHTGOWNS.
Claims use since Jan. 7, 1946.

Ser. No. 505,582. Henlein Brothers Co., Ltd., Cincinnati, Ohio. Filed July 13, 1946.



The picture of the man shown in the drawing is fanciful.
FOR OUTER SHIRTS FOR MEN, WOMEN, AND CHILDREN.
Claims use since on or about July 2, 1946.

Ser. No. 506,941. Norman Jacobson, New York, N. Y. Filed Aug. 6, 1946.

norjoy fashions

The word "Fashions" is disclaimed, except as the same is used in conjunction with the mark, as shown.
FOR LADIES', WOMEN'S, AND MISSES' DRESSES.
Claims use since Dec. 15, 1943.

Ser. No. 507,034. Wimelbacher & Rice, Inc., New York, N. Y. Filed Aug. 7, 1946.

NYRON-SUEDE

No claim is made to the exclusive use of the word "Suede."
FOR GLOVES.
Claims use since July 1, 1946.

Ser. No. 507,894. W. L. Douglas Shoe Co., Brockton, Mass. Filed Aug. 23, 1946. Under 10-year proviso as to "Douglas."

DOUGLAS TUGS

FOR MEN'S, WOMEN'S, AND CHILDREN'S BOOTS, SHOES, AND SLIPPERS, MADE WHOLLY OR IN PART OF LEATHER, RUBBER, FELT, OR TEXTILE MATERIAL.
Claims use since 1876 as to "Douglas"; and since June 24, 1946, as to the mark as a whole.

Ser. No. 508,972. Joseph Brody & Bros., Inc., Chicago, Ill. Filed Sept. 13, 1946.

Sycamore

FOR WOMEN'S COATS.
Claims use since July 1946; and since 1931 as to the word "Sycamore."

Ser. No. 509,894. Edward D. Van Tassel, Jr., Cohasset, Mass. Filed Sept. 27, 1946.

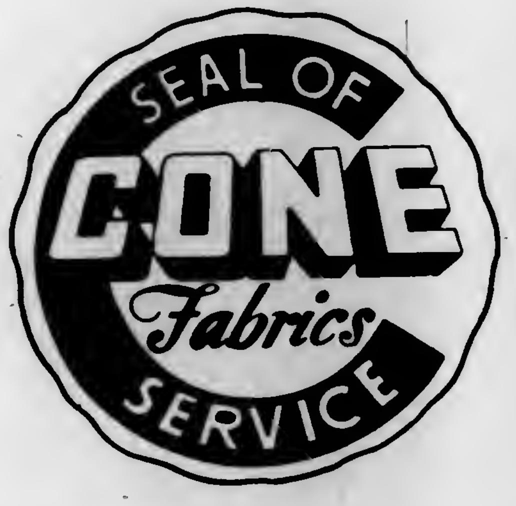
Tasselized

FOR SOLES AND INSOLES OF LEATHER.
Claims use since Sept. 14, 1946.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 476,008. Cone Export and Commission Company, New York, N. Y. Filed Nov. 2, 1944.

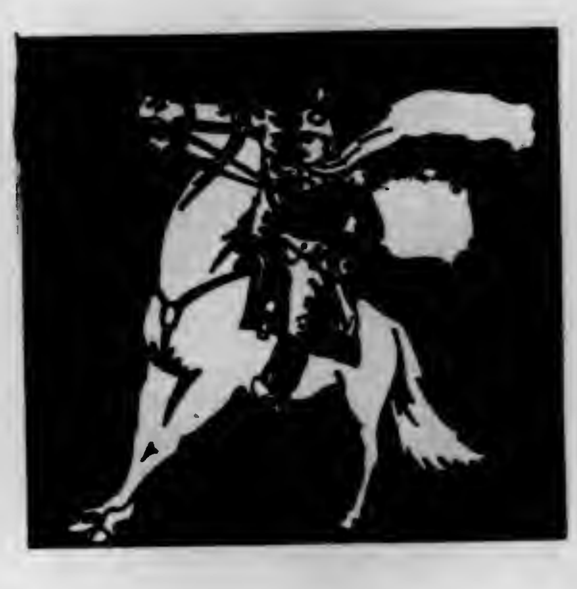


No claim is made to the exclusive use of the words "Fabrics" and "Service" apart from the mark.

FOR FABRICS COMPRISING COTTON, WOOL, LINEN, RAYON AND PROTEIN FIBERS, AND VARIOUS MIXTURES AND BLENDS THEREOF SOLD IN THE PIECE.

Claims use since July 21, 1944.

Ser. No. 488,653. C. H. Masland & Sons, Carlisle, Pa. Filed Sept. 18, 1945.



The lining in the drawing is for shading purposes only.

FOR TEXTILE CARPETS AND RUGS.

Claims use since Feb. 1, 1943.

Ser. No. 491,169. Oregon Flax Textiles, Inc., Oakland, Calif. Filed Nov. 6, 1945.

FLAXTEX

FOR TEXTILE RUGS AND FLOOR COVERINGS.

Claims use since Sept. 15, 1945.

Ser. No. 491,255. Ralph S. Harte, San Francisco, Calif. Filed Nov. 8, 1945.

Peroxiplastic

FOR THIN TRANSPARENT OR TRANSLUCENT SHEETS OR FILMS OF POLYVINYL RESIN, SOLD AS PIECE GOODS FOR USE IN MAKING SHOWER CURTAINS, BATHROOM CURTAINS, ETC.

Claims use since Aug. 1, 1945.

Ser. No. 492,968. Stein & Fishman Fabrics, New York, N. Y. Filed Dec. 8, 1945.

Pickwick Prints

Applicant disclaims the right to the exclusive use of the word "Prints."

FOR PIECE GOODS OF RAYON.

Claims use since about Feb. 1, 1945.

Ser. No. 494,421. American Needlecrafts, Inc., New York, N. Y. Filed Jan. 8, 1946.

ila

FOR CRIB COVERS, QUILTS, CARRIAGE SETS, CRIB SPREADS, COMFORTERS, PILLOW CASES, BLANKET COVERS, AND BED SPREADS.

Claims use since 1929.

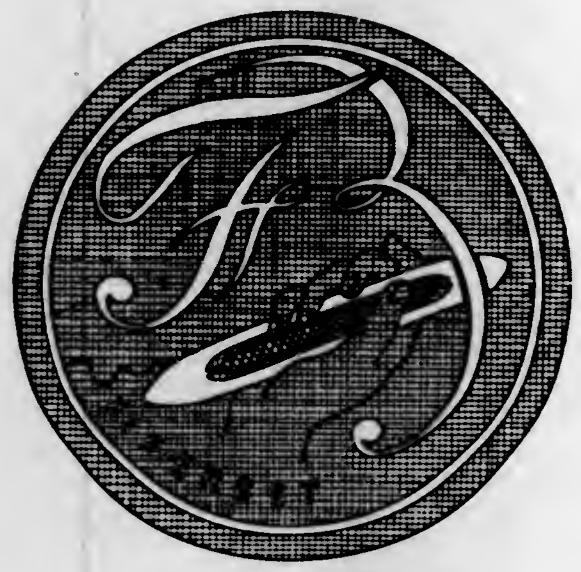
Ser. No. 503,325. Frank Phillips, doing business as Frank Phillips Company, New York, N. Y. Filed June 5, 1946.

Su Ja

FOR WORSTED KNITTED FABRICS AND RAYON KNITTED FABRICS BOTH IN THE PIECE.

Claims use since May 1, 1946.

Ser. No. 504,262. Bianchini Ferier, Inc., New York, N. Y. Filed June 20, 1946.



The drawing is lined for the color black.

FOR PIECE GOODS COMPOSED OF RAYON, NYLON, SILK, COTTON, WOOL, OR MIXTURES THEREOF.

Claims use since May 29, 1946.

Ser. No. 505,821. Granville Fabrics Co., New York, N. Y. Filed July 18, 1946.

GLADTIME

FOR RAYON FABRICS IN THE PIECE.

Claims use since July 2, 1946.

Ser. No. 506,149. Visray Textiles, Inc., New York, N. Y. Filed July 23, 1946.

Who's Who

FOR RIBBONS MADE OF RAYON AND SOLD IN HANKS, BOLTS OR BULK ROLLS.

Claims use since July 3, 1946.

CLASS 43

THREAD AND YARN

Ser. No. 512,731. Bernhard Ulmann Co. Inc., New York, N. Y. Filed Nov. 16, 1946.

FLORALSHEEN

FOR HAND CROCHET COTTON YARN.

Claims use since Nov. 5, 1946.

Ser. No. 513,407. The General Thread Mills, Inc., Boston, Mass. Filed Nov. 29, 1946.

BADGER

FOR COTTON THREAD.

Claims use since 1928.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 497,304. The Faultless Rubber Company, Ashland, Ohio. Filed Feb. 27, 1946.

Challenge

FOR BULB SYRINGES, COMBINATION SYRINGES, FOUNTAIN SYRINGES, AND HOT WATER BOTTLES.

Claims use since July 1906.

Ser. No. 497,305. The Faultless Rubber Company, Ashland, Ohio. Filed Feb. 27, 1946.

ENDURANCE

FOR COMBINATION SYRINGES, FOUNTAIN SYRINGES, AND HOT WATER BOTTLES.

Claims use since March 1935.

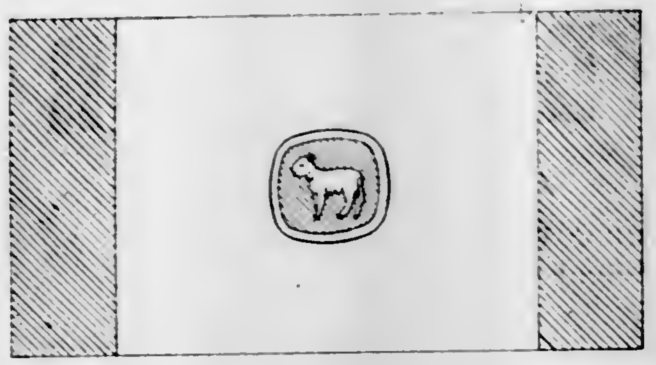
Ser. No. 497,306. The Faultless Rubber Company, doing business as Ashland Rubber Works, Ashland, Ohio. Filed Feb. 27, 1946.

Reliance

FOR BABY HOT WATER BOTTLES, HOT WATER BOTTLE SYRINGE ATTACHMENTS, COMBINATION SYRINGES, DOUCHE SYRINGES, EAR SYRINGES, FACE BOTTLES, FOUNTAIN SYRINGES, INFANT SYRINGES, JUNIOR VAGINAL SYRINGES, NURSING BOTTLE COVERS, SYRINGE TUBING LENGTHS, SPONGE RUBBER HOT WATER BOTTLE COVERS, AND HOT WATER BOTTLES.

Claims use since May 1916.

Ser. No. 513,708. Youngs Rubber Corporation, New York, N. Y. Filed Dec. 4, 1946.



The drawing is lined to denote the color green which color constitutes an essential feature of applicant's trade-mark.

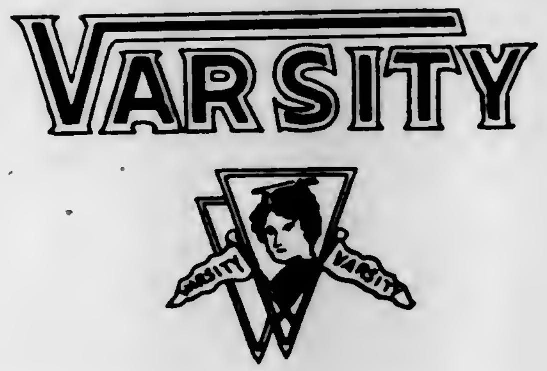
FOR PROPHYLACTIC MEMBRANOUS ARTICLES FOR THE PREVENTION OF CONTAGIOUS DISEASES.

Claims use since Nov. 5, 1946.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 499,956. Lovers' Leap Co., West Lynn, Mass. Filed Apr. 10, 1946.

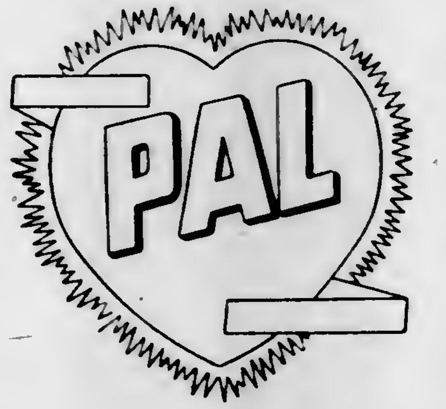


The portrait is fanciful.

FOR MALTLESS SOFT DRINKS AND CARBONATED WATERS.

Claims use since March 1900.

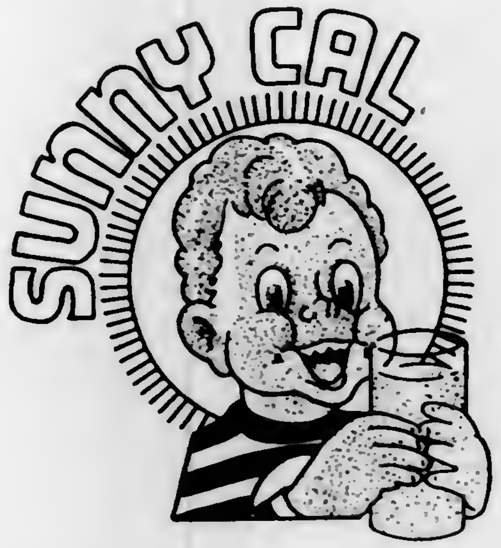
Ser. No. 502,996. Pal, Inc., Washington, D. C. Filed May 29, 1946.



FOR FRUIT FLAVORED, NON-ALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND CONCENTRATES FOR MAKING THE SAME.

Claims use since August 1945.

Ser. No. 503,232. Sunny Cal Bottling Company, doing business as Kansas City Food Terminal, Kansas City, Kans. Filed June 3, 1946.



The word "Cal" is disclaimed apart from the mark. The figure forming a part of the trade-mark is fanciful.

FOR FRUIT FLAVORED SOFT DRINK AND CONCENTRATE FOR MAKING SOFT DRINKS.

Claims use since May 15, 1946.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 471,990. South Shore Packing Corporation, Vermilion, Ohio. Filed July 7, 1944.

SQUARE

B Brand

No claim is made to the word "Brand" appearing on the drawing.

FOR FRUIT JAMS, FRUIT JELLIES, FRUIT MARMALADES, FRUIT PRESERVES, TABLE SYRUPS, FOOD FLAVORING EXTRACTS, PICKLES AND OLIVES.

Claims use since Jan. 1, 1936.

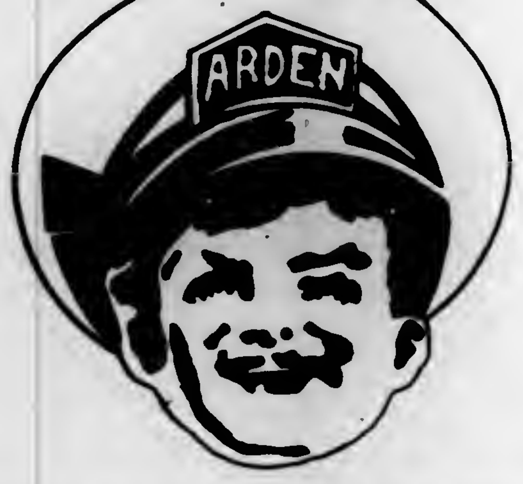
Ser. No. 480,463. Mallinckrodt Chemical Works, St. Louis, Mo. Filed Mar. 3, 1945.

STABILIDE

FOR STABILIZED ASSIMILABLE IODIDE-CONTAINING SUBSTANCES—NAMELY, POTASSIUM IODIDE WITH UP TO ABOUT TEN PER CENT CALCIUM STEARATE ADDED, FOR USE AS INGREDIENTS OF FEEDS FOR CATTLE, SHEEP, SWINE, DOGS, FOXES, CHICKENS, AND TURKEYS.

Claims use since May 16, 1941.

Ser. No. 481,515. Arden Farms Co., Los Angeles, Calif. Filed Mar. 30, 1945.



Applicant is the owner of Reg. Nos. 348,799 and 378,093. The word "Arden" is disclaimed apart from the mark as shown. The picture of the boy appearing in the trade-mark is a fanciful person.

FOR DAIRY PRODUCTS—NAMELY, FRESH MILK, CREAM, CHEESE, AND ICE-CREAM.

Claims use since June 1, 1941.

Ser. No. 489,898. Chili Products Corporation, Ltd., Los Angeles, Calif. Filed Oct. 13, 1945.

DON

FOR CHILI POWDER, CHILI PEPPERS (GROUND), CHILI PEPPERS (WHOLE PODS), GROUND OR FLAKED DEHYDRATED ONION, GROUND OR FLAKED DEHYDRATED GARLIC, PAPRIKA, AND SPICES.

Claims use since Sept. 23, 1921.

Ser. No. 501,389. Kilmer & Co., Incorporated, Stamford, Conn. Filed May 3, 1946.

CRAMORE'S

FOR FRUIT FLAVORING PREPARATIONS IN DEHYDRATED FORM FOR FOOD PURPOSES.

Claims use since on or before Dec. 9, 1938.

Ser. No. 502,220. The Krug Baking Company of New York, Inc., Mount Vernon, N. Y. Filed May 16, 1946.

TROUT VALLEY
FARMS

No claim is made to the exclusive use of the word "Farms."

FOR FROZEN FOODS—NAMELY, CHICKEN LIVERS, CHICKEN NOODLE RAREBIT, CHICKEN MEAT IN JELLIED BROTH, CHICKEN GIBLETS, AND CHICKEN SUPREME.

Claims use since Apr. 25, 1946.

Ser. No. 505,175. Barron-Gray Packing Company, San Jose, Calif. Filed July 8, 1946.

HERE'S TO YOU

FOR CANNED FRUIT JUICES AND CANNED VEGETABLE JUICES FOR FOOD PURPOSES.

Claims use since June 27, 1946.

Ser. No. 506,672. The Krier Preserving Company, Belgium, Wis. Filed Aug. 1, 1946.

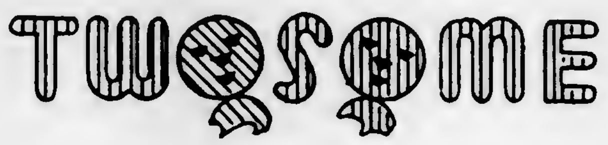
Belle of Belgium

No claim is made to the word "Belgium" apart from the mark.

FOR CANNED VEGETABLES.

Claims use since July 31, 1919.

Ser. No. 506,855. Bon-Berger Co. Inc., Berkeley, Calif. Filed Aug. 5, 1946.



The representation of the goods is disclaimed apart from the mark. The drawing is lined for the colors red and green.

FOR CANDY SUCKERS.

Claims use since July 15, 1946.

Ser. No. 508,066. Richgrove-Jasmine Citrus Association, Delano, Calif. Filed Aug. 26, 1946.

RICHMINE

FOR FRESH CITRUS FRUITS.

Claims use since May 4, 1946.

Ser. No. 508,159. Joe Lowe Corporation, New York, N. Y. Filed Aug. 28, 1946.

Revelette

FOR VARIEGATED ICE CREAM AND FLAVORING MATERIALS FOR SUCH ICE CREAM—NAMELY, CHOCOLATE FUDGE POWDER.

Claims use since Aug. 2, 1946, on flavoring materials; and since Aug. 8, 1946, on variegated ice cream.

Ser. No. 508,775. **Henry J. Andreas**, Sanger, Calif. Filed Sept. 10, 1946.

BRIGHT BOY

FOR FRESH GRAPES.
Claims use since July 31, 1946.

Ser. No. 508,797. **Edgewater Packing Company**, San Francisco, Calif. Filed Sept. 10, 1946.

Edgemar

FOR CANNED SARDINES.
Claims use since Mar. 12, 1946.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 470,849. **Compania Importadora de Vinos de la Habana, Sociedad Anonima**, Alacranes, Cuba. Filed June 2, 1944.

GALGO

FOR ANISETTE, MOTHER RUM, APRICOT BRANDY, PEACH BRANDY, CHERRY BRANDY, BLACKBERRY BRANDY, ORANGE CREAM, CREAM OF COCAO, CREAM OF MINT, CREAM OF COGNAC, CURACAO, AND MARRASQUINO.
Claims use since Mar. 26, 1934.

Ser. No. 498,559. **Western United Distributors**, San Francisco, Calif. Filed Mar. 19, 1946.

CARAMAY

FOR BRANDY.
Claims use since Jan. 31, 1946.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 499,935. **Allied Display Materials, Inc.**, New York, N. Y. Filed Apr. 10, 1946.

AD
ALLIED DISPLAY

The word "Display" is disclaimed apart from the mark as shown.
FOR MANIKINS, FIGURES PORTRAYING HUMAN BEINGS, BIRDS, FISH, BUTTERFLIES; ARTIFICIAL FLOWERS FOR STORE DISPLAYS.
Claims use since Dec. 1, 1944.

Ser. No. 501,817. **Frank A. Blood**, doing business as F. A. B. Sales Co., Dallas, Tex. Filed May 10, 1946.

Fabsco
INFORMALS

No claim is made to the word "Informals" apart from the mark.
FOR PAPER PLACE MATS, PAPER DOILIES, PAPER COASTERS, PAPER NAPKINS, AND POCKET MATCHES, SOLD AS A UNIT.
Claims use since Nov. 28, 1945.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF FEBRUARY 20, 1905

APRIL 22, 1947

429,120. KIT COMPRISING AN APPARATUS FOR GIVING SO-CALLED PERMANENT WAVES TO THE HUMAN HAIR, ETC. **W. G. Shelton Co., Inc.**, St. Louis, Mo., assignor to Gaylord-Shelton, Inc., St. Louis, Mo., a corporation of Delaware.
Filed January 5, 1944. Serial No. 466,835. PUBLISHED APRIL 11, 1944. Class 50.

429,121. HEATING AND VENTILATING AND AIR CONDITIONING UNITS, WHICH ARE USED FOR MIXING ROOMS, FERMENTATION ROOMS, PROOF BOXES, AIR WASHED COOLING ROOMS, AND AIR CONDITIONED AND HUMIDIFYING DEVICES, ETC. **Louis D. Houlis**, Dallas, Tex.
Filed March 11, 1944. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 468,202. PUBLISHED OCTOBER 24, 1944. Class 34.

429,122. BAKING OVENS HEATED BY GAS, OIL, CHARCOAL, COAL, OR STEAM. **Louis D. Houlis**, Dallas, Tex.
Filed March 11, 1944. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 468,203. PUBLISHED OCTOBER 24, 1944. Class 34.

429,123. CANDY, CHOCOLATE, AND GIFT BASKETS CONTAINING CANDY AND CHOCOLATE. **Oscar Kerman**, doing business as Osker's Candy Shop, Plainfield, N. J.
Filed December 28, 1944. Serial No. 478,005. PUBLISHED JANUARY 14, 1947. Class 46.

429,124. POWDERED METAL, CARBONIDES, AND UNFINISHED AND PARTLY FINISHED PARTS MADE OF OR WITH SAID MATERIALS. **The DoAll Company**, Des Plaines, Ill., assignor to The DoAll Company, Des Plaines, Ill., a corporation of Illinois.
Filed January 11, 1945. Serial No. 478,504. PUBLISHED FEBRUARY 4, 1947. Class 14.

429,125. CANDLES. **Will & Baumer Candle Co., Inc.**, Syracuse, N. Y.
Filed March 1, 1945. Serial No. 480,398. PUBLISHED JANUARY 21, 1947. Class 15.

429,126. WATCH CRYSTALS. **Alfred M. Dutcher**, doing business as National In-2-Sta Co., Seattle, Wash.
Filed May 3, 1945. Serial No. 482,925. PUBLISHED FEBRUARY 4, 1947. Class 33.

429,127. PREPARED MIX FOR MAKING DEVIL'S FOOD CAKE. **P. Duff & Sons, Inc.**, Pittsburgh, Pa., assignor to American Home Foods, Inc., New York, N. Y., a corporation of New York.
Filed June 16, 1945. Serial No. 484,620. PUBLISHED JANUARY 14, 1947. Class 46.

429,128. FOOD PREPARATION CONSISTING OF GRATED COCONUT WITH ADDED SUGAR, RICE FLOUR, SALT, AND ARTIFICIAL FLAVOR, USED AS A MIX FOR CANDY, CAKE TOPPINGS, AND PIES. **Island Specialty Co.**, Brooklyn, N. Y.
Filed July 4, 1945. Serial No. 485,447. PUBLISHED JANUARY 14, 1947. Class 46.

429,129. TUBING MADE OF NONFIBROUS CELLULOSIC MATERIAL—NAMELY, REGENERATED CELLULOSE, WHETHER TRANSPARENT OR OPAQUE, ETC. **Sylvania Industrial Corporation**, Fredericksburg, Va., and New York, N. Y., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware.
Filed July 10, 1945. Serial No. 485,668. PUBLISHED JANUARY 28, 1947. Class 50.

429,130. SINTERED CARBIDE HARD METAL COMPOSITIONS—NAMELY, SINTERED COMPOSITIONS MADE FROM POWDERED TUNGSTEN CARBIDE, ETC. **Firth Sterling Steel Company**, McKeesport, Pa.
Filed July 17, 1945. Serial No. 485,906. PUBLISHED FEBRUARY 4, 1947. Class 14.

429,131. PICTURE FRAMES OF PLASTIC MATERIALS AND WOOD. **Barrett Plastic Products, Inc.**, Hollywood, Calif.
Filed July 30, 1945. Serial No. 486,450. PUBLISHED FEBRUARY 4, 1947. Class 32.

429,132. FRESH VEGETABLES. **J. W. Wallace**, doing business as Wallace Fruit Company, Edinburg, Tex.
Filed August 24, 1945. Serial No. 487,537. PUBLISHED JANUARY 21, 1947. Class 46.

429,133. WHEAT FLOUR. **Pillsbury Mills, Inc.**, Minneapolis, Minn.
Filed August 25, 1945. Serial No. 487,574. PUBLISHED JANUARY 14, 1947. Class 46.

429,134. MERCHANDISE DISPLAY STANDS, TABLES, AND CABINETS, KITCHEN CABINETS, AND KITCHEN APPLIANCE CABINETS. **Chicago Flexible Shaft Company**, Chicago, Ill., now by change of name to Sunbeam Corporation.
Filed September 12, 1945. Serial No. 488,313. PUBLISHED JANUARY 14, 1947. Class 32.

429,135. SENSITIZED PHOTOGRAPHING PAPER, ETC. **Grant Photo Products, Inc.**, New York, N. Y.
Filed September 20, 1945. Serial No. 488,754. PUBLISHED JANUARY 28, 1947. Class 26.

429,136. PIECE GOODS—TO WIT, RAYON AND NYLON PIECE GOODS. **Martin Weiner**, New York, N. Y.
Filed September 21, 1945. Serial No. 488,840. PUBLISHED AUGUST 13, 1946. Class 42.

429,137. SEASONINGS FOR MEAT, SEA FOOD, AND OTHER FOOD PRODUCTS—NAMELY, PUMPKIN PIE SEASONING, ETC. **Gustave C. Brunn**, doing business as Baltimore Spice Company, Baltimore, Md.
Filed October 1, 1945. Serial No. 489,201. PUBLISHED FEBRUARY 4, 1947. Class 46.

429,138. ROAST CHICKEN IN JARS. **Cooked Food Products Corp.**, New York, N. Y.
Filed November 2, 1945. Serial No. 490,929. PUBLISHED JANUARY 14, 1947. Class 46.

429,139. CANNED GRAPEFRUIT JUICE FOR FOOD PURPOSES AND CANNED VEGETABLES—NAMELY, STRINGBEANS. **W. L. Akin**, doing business as Southern Foods Co., McAllen, Tex.
Filed November 19, 1945. Serial No. 491,787. PUBLISHED FEBRUARY 4, 1947. Class 46.

429,140. SIFTERS MADE OF CLOTH ON NON-PRECIOUS METAL FRAMES AND INTENDED FOR USE IN LADIES' COMPACTS. **Minerva Novelty, Inc.**, New York, N. Y.
Filed November 30, 1945. Serial No. 492,452. PUBLISHED FEBRUARY 11, 1947. Class 2.

429,141. MECHANICALLY GROOVED PHONOGRAPH RECORDS AND MECHANICALLY GROOVED TAPE RECORDINGS. **Leland J. Arms**, San Francisco, Calif.
Filed December 5, 1945. Serial No. 492,675. PUBLISHED JANUARY 14, 1947. Class 36.

429,142. CEMETERY MONUMENTS. Sears, Roebuck and Co., Chicago, Ill.

Filed December 8, 1945. Serial No. 492,964. PUBLISHED FEBRUARY 4, 1947. Class 50.

429,143. TOY CHEMICAL SETS. Erna Tyrrell, doing business as Pelham Scientific Projects, Pelham, N. Y.

Filed December 19, 1945. Serial No. 493,574. PUBLISHED FEBRUARY 11, 1947. Class 22.

429,144. FLASKS FOR USE IN DENTISTRY AND PRESS ASSEMBLIES FOR THE SAME PURPOSE. The Amalgamated Dental Company, Limited, London, England.

Filed January 10, 1946. Serial No. 494,535. PUBLISHED FEBRUARY 11, 1947. Class 44.

429,145. GLASS BEVERAGE WARE, DINNERWARE, AND GLASS COOKING WARE. Rosalie Nagel, doing business as Herald Products Co., New York, N. Y.

Filed January 12, 1946. Serial No. 494,700. PUBLISHED FEBRUARY 4, 1947. Class 33.

429,146. CANNED FISH. Packing Products Company, New York, N. Y.

Filed January 12, 1946. Serial No. 494,702. PUBLISHED FEBRUARY 4, 1947. Class 46.

429,147. PLAIN AND ENAMELED METAL TILE. Alloy Tile Co., Rahway, N. J.

Filed January 21, 1946. Serial No. 495,125. PUBLISHED FEBRUARY 4, 1947. Class 12.

429,148. SEATS FOR USE IN HOUSEHOLDS AND OFFICES. Warren McArthur Corporation, Bantam, Conn.

Filed January 22, 1946. Serial No. 495,201. PUBLISHED FEBRUARY 4, 1947. Class 32.

429,149. TRANSPARENT MOUNTINGS FOR MINERAL, BIOLOGICAL, AND PATHOLOGICAL SUBJECTS. William A. Sampsel, doing business as Acrylic Plastic Laboratory, Los Angeles, Calif.

Filed February 11, 1946. Serial No. 496,405. PUBLISHED JANUARY 21, 1947. Class 50.

429,150. RUGS AND CARPETS. Grace V. Neff, Chicago, Ill.

Filed February 12, 1946. Serial No. 496,456. PUBLISHED JANUARY 28, 1947. Class 42.

429,151. DOG AND CAT FOOD. Rival Packing Company, Chicago, Ill.

Filed February 12, 1946. Serial No. 496,471. PUBLISHED JANUARY 14, 1947. Class 46.

429,152. INFANTS' BATH STANDS. Trimble Nurseryland Furniture, Inc., Rochester, N. Y.

Filed February 13, 1946. Serial No. 496,527. PUBLISHED JANUARY 14, 1947. Class 32.

429,153. OVENS, INCUBATORS, WATER BATHS, FURNACES AND STERILIZERS FOR LABORATORY USE. Valentine Weber, doing business as Electric Heat Control Apparatus Co., Newark, N. J.

Filed March 6, 1946. Serial No. 497,758. PUBLISHED JANUARY 28, 1947. Class 26.

429,154. VASES, URNS, DINNERWARE, FLOWER POTS, ALL MADE OF CHINA. D. Roditi & Sons, Inc., New York, N. Y.

Filed March 12, 1946. Serial No. 498,083. PUBLISHED JANUARY 14, 1947. Class 30.

429,155. PIANOS. Horace Waters Piano Company, Inc., New York, N. Y.

Filed March 13, 1946. Serial No. 498,190. PUBLISHED JANUARY 14, 1947. Class 36.

429,156. ADHESIVE FOR BONDING CORK, LEATHER, LINOLEUM, METAL, PLASTICS, WALLBOARD, AND WOOD. Herbert J. Heribert, New York, N. Y.

Filed March 15, 1946. Serial No. 498,283. PUBLISHED FEBRUARY 4, 1947. Class 5.

429,157. TOMATO JUICE COCKTAIL, FOR FOOD PURPOSES. College Inn Food Products Company, Chicago, Ill.

Filed March 18, 1946. Serial No. 498,398. PUBLISHED JANUARY 14, 1947. Class 46.

429,158. CANDY. Byron Johnston Bowlby, doing business as Bowlby Candy Company, Appleton, Wis.

Filed March 20, 1946. Serial No. 498,580. PUBLISHED JANUARY 14, 1947. Class 46.

429,159. MISSES' SHOES MADE OF LEATHER, FABRIC, OR COMPOSITIONS OR COMBINATIONS THEREOF. Carmo Shoe Manufacturing Company, Union, Mo.

Filed March 21, 1946. Serial No. 498,684. PUBLISHED JANUARY 14, 1947. Class 39.

429,160. POTTERY AND EARTHENWARE VASES, DISHES, FLOWER HOLDERS, FLOWER POTS, AND PITCHERS. Ariston, Incorporated, New York, N. Y.

Filed April 2, 1946. Serial No. 499,464. PUBLISHED FEBRUARY 4, 1947. Class 30.

429,161. PHOTOGRAPHIC LENSES. Taylor, Taylor & Hobson Limited, Leicester, England.

Filed April 5, 1946. Serial No. 499,740. PUBLISHED JANUARY 28, 1947. Class 26.

429,162. WALLETS, POCKETBOOKS, AND BILL FOLDS. Aristocrat Leather Products, Inc., New York, N. Y.

Filed April 6, 1946. Serial No. 499,750. PUBLISHED FEBRUARY 4, 1947. Class 3.

429,163. WIRE, RODS, SHEETS, STRIPS AND CASTINGS, ALL COMPOSED OF NON-FERROUS METALS OR ALLOYS OF METALS. Driver-Harris Company, Harrison, N. J.

Filed April 6, 1946. Serial No. 499,771. PUBLISHED FEBRUARY 4, 1947. Class 14.

429,164. BEARING METAL ALLOYS. National Lead Company, New York, N. Y.

Filed April 10, 1946. Serial No. 499,961. PUBLISHED FEBRUARY 4, 1947. Class 14.

429,165. CHEESE. Zausner Foods Inc., New York, N. Y.

Filed April 10, 1946. Serial No. 499,981. PUBLISHED JANUARY 14, 1947. Class 46.

429,166. SHEET AND PICTURE GLASS. Semon Bache & Company, New York, N. Y.

Filed April 11, 1946. Serial No. 499,985. PUBLISHED FEBRUARY 4, 1947. Class 33.

429,167. ELECTRICAL APPARATUS FOR INDICATING DEFECTS IN METAL TUBE WALLS. Shell Development Company, San Francisco, Calif.

Filed April 15, 1946. Serial No. 500,252. PUBLISHED FEBRUARY 4, 1947. Class 26.

429,168. ALLOY METALS, AND CALCIUM TREATED ALUMINUM, COPPER, IRON, STEEL, MAGNESIUM, SILVER, GOLD, AND PLATINUM. Academy Award Products, Inc., New York, N. Y.

Filed April 17, 1946. Serial No. 500,346. PUBLISHED FEBRUARY 4, 1947. Class 14.

429,169. METAL AND PLASTIC BOTTLE CAPS, MOUSE TRAPS, FLY SWATTERS, AND MANICURE SETS COMPRISING MANICURE SCISSORS, ETC. Consolidated Cosmetics, Chicago, Ill., assignor to Veralin, Inc., Chicago, Ill., a corporation of Illinois.

Filed April 20, 1946. Serial No. 500,607. PUBLISHED FEBRUARY 4, 1947. Class 50.

429,170. DRESSERS, BUREAUS, HIGHBOYS, CHESTS, CHIFFONIERS, WARDROBES, VANITIES, BOOK CASES, SECRETARIES, ETC. The Mengel Company, Louisville, Ky.

Filed April 22, 1946. Serial No. 500,682. PUBLISHED JANUARY 28, 1947. Class 32.

429,171. FLAVORING FOR FOODS—NAMELY, POWDERED VANILLA PRODUCTS FOR INCORPORATION IN ICE CREAM OR THE LIKE. David Michael & Co., Philadelphia, Pa.

Filed April 24, 1946. Serial No. 500,815. PUBLISHED JANUARY 21, 1947. Class 46.

429,172. WATERPROOF SHEETS MADE OF RUBBERIZED TEXTILE MATERIAL FOR COTS. Splendor Limited, Nottingham, England.

Filed April 25, 1946. Serial No. 500,913. PUBLISHED FEBRUARY 4, 1947. Class 42.

429,173. BREAD—NAMELY, HARD BREAD (CRISP BREAD). A. B. Wasa Spisbrödsfabrik, Filipstad, Sweden.

Filed May 3, 1946. Serial No. 501,352. PUBLISHED JANUARY 21, 1947. Class 46.

429,174. FRESH DECIDUOUS FRUITS AND VEGETABLES, FRESH MELONS AND FROZEN DECIDUOUS FRUITS AND VEGETABLES AND DRIED FRUITS. Ritter-Price Company, Stockton, Calif.

Filed May 7, 1946. Serial No. 501,601. PUBLISHED JANUARY 21, 1947. Class 46.

429,175. SOUND PICTURE APPARATUS—NAMELY, APPARATUS FOR SYNCHRONOUS REPRODUCTION OF SOUND AND LIGHT EFFECTS, PARTS THEREOF AND ACCESSORIES THEREFOR. Westrex Corporation, New York, N. Y.

Filed May 15, 1946. Serial No. 502,173. PUBLISHED FEBRUARY 4, 1947. Class 26.

429,176. PREPARATION COMPRISING CEREAL AND EDIBLE COLORING MATTER INTENDED TO INDUCE INITIAL EATING BY POULTRY. The Pecketts Co., Cincinnati, Ohio.

Filed May 17, 1946. Serial No. 502,319. PUBLISHED FEBRUARY 4, 1947. Class 46.

429,177. FRESH CITRUS FRUITS AND FRESH VEGETABLES. James P. Spoto, doing business as Northwestern Canning & Packing Co., Seffner, Fla.

Filed May 21, 1946. Serial No. 502,540. PUBLISHED JANUARY 28, 1947. Class 46.

429,178. CANNED SARDINES. Max Ams Incorporated, New York, N. Y.

Filed May 28, 1946. Serial No. 502,870. PUBLISHED JANUARY 14, 1947. Class 46.

429,179. PHOTOGRAPHIC FILM IN ROLLS AND CARTRIDGES. Astra Photo Products, Inc., New York, N. Y.

Filed June 7, 1946. Serial No. 503,414. PUBLISHED JANUARY 28, 1947. Class 26.

429,180. EYEGLASS FRAMES. Zylite Optical Co., Inc., New York, N. Y.

Filed June 11, 1946. Serial No. 503,689 PUBLISHED FEBRUARY 4, 1947. Class 26.

429,181. OPHTHALMIC MOUNTINGS. American Zyloptic Company, Incorporated, New York, N. Y.

Filed June 13, 1946. Serial No. 503,785. PUBLISHED FEBRUARY 4, 1947. Class 26.

429,182. FRESH VEGETABLES. Lee B. Madsen, doing business as San Luis Distributing Co., San Luis Obispo, Calif.

Filed June 17, 1946. Serial No. 504,054. PUBLISHED FEBRUARY 4, 1947. Class 46.

429,183. PIECE GOODS AND SHIRTINGS OF COTTON AND RAYON, AND COMBINATIONS THEREOF. Cluett, Peabody & Co., Inc., Troy, N. Y.

Filed July 17, 1946. Serial No. 505,735. PUBLICATION WAIVED. Class 42.

429,184. HASSOCKS. Ero Manufacturing Company, Chicago, Ill.

Filed August 15, 1946. Serial No. 507,467. PUBLISHED NOVEMBER 26, 1946. Class 32.

429,185. PHOTOGRAPH PRINTING KIT CONSISTING OF PREPARED DEVELOPED NEGATIVE FILMS, CHEMICALLY SENSITIZED PRINTING PAPER, A PRINTING FRAME, INSTRUCTION SHEET, AND ALBUM PAGE. HRH General Novelty Co., Inc., Brooklyn, N. Y.

Filed August 17, 1946. Serial No. 507,585. PUBLISHED JANUARY 28, 1947. Class 26.

429,186. DOG FOOD. Eugene A. Sanders, doing business as Sanders Pet Shop, Louisville, Ky.

Filed August 17, 1946. Serial No. 507,600. PUBLISHED FEBRUARY 4, 1947. Class 46.

429,187. PLASTIC COCKTAIL RECIPE GUIDE IN THE FORM OF A MINIATURE BAR IN WHICH SUCCESSIVE RECIPES MAY BE NOTED BY THE TURNING OF A KNOB. Shelley, Inc., Los Angeles, Calif.

Filed September 3, 1946. Serial No. 508,444. PUBLISHED FEBRUARY 4, 1947. Class 50.

429,188. SADDLES AND SADDLETREES THEREFOR. Walter L. Newell, St. Louis, Mo.

Filed September 6, 1946. Serial No. 508,606. PUBLISHED FEBRUARY 4, 1947. Class 3.

429,189. ARCH SUPPORTS. The Scholl Mfg. Co., Inc., Chicago, Ill.

Filed September 14, 1946. Serial No. 509,104. PUBLISHED FEBRUARY 11, 1947. Class 44.

429,190. PHOTO-ENGRAVED PRINTING PLATES CONTAINING MAGNESIUM AND/OR MAGNESIUM ALLOY. American Photo-Engraving Co., Philadelphia, Pa.

Filed September 19, 1946. Serial No. 509,319. PUBLISHED JANUARY 14, 1947. Class 50.

429,191. CASKETS. The Ryan Aeronautical Co., San Diego, Calif.

Filed September 30, 1946. Serial No. 509,996. PUBLISHED FEBRUARY 11, 1947. Class 2.

429,192. REFRIGERATORS—NAMELY, FREEZING CABINETS, MEAT COUNTERS, AND SHOWCASES. H. Barkley Johnson, doing business as Authorized Cabinet Company, Los Angeles, Calif., and Grand Haven, Mich.

Filed October 9, 1946. Serial No. 510,519. PUBLISHED FEBRUARY 4, 1947. Class 31.

429,193. ELECTROSURGICAL AND ELECTROMEDICAL APPARATUS—NAMELY, FOR SHORT-WAVE DIATHERMY APPARATUS, ETC. The Liebel-Flarsheim Co., Cincinnati, Ohio.

Filed October 16, 1946. Serial No. 510,709. PUBLISHED FEBRUARY 11, 1947. Class 44.

429,194. ELECTROSURGICAL AND ELECTROMEDICAL APPARATUS—NAMELY, FOR SHORT-WAVE DIATHERMY, APPARATUS, UROLOGICAL X-RAY TABLES, ETC. The Liebel-Flarsheim Co., Cincinnati, Ohio.

Filed October 16, 1946. Serial No. 510,963. PUBLISHED FEBRUARY 11, 1947. Class 44.

429,195. FISHING SPOONS AND FISHING SPINNERS. The Paul Bunyan Bait Company, Minneapolis, Ohio.

Filed November 2, 1946. Serial No. 511,959. PUBLISHED FEBRUARY 11, 1947. Class 22.

429,196. FISHING PLUGS, FISHING SPINNERS AND FISHING SINKERS, RAG DOLLS, TABLE TENNIS BALLS, PLAYING CARDS, AND PARTY FAVORS. Consolidated Cosmetics, Chicago, Ill.

Filed November 30, 1946. Serial No. 513,501. PUBLISHED FEBRUARY 11, 1947. Class 22.

429,197. ELECTRICAL HEATING PADS FOR THERAPEUTIC USE. Casco Products Corporation, Bridgeport, Conn.

Filed December 10, 1946. Serial No. 513,967. PUBLISHED FEBRUARY 11, 1947. Class 44.

429,198. CANVAS BAGS FOR DISPENSING SAND AND SIMILAR MATERIALS. Lyaon, Inc., Chicago, Ill.

Filed December 13, 1946. Serial No. 514,207. PUBLISHED FEBRUARY 11, 1947. Class 2.

ACT OF MARCH 19, 1920, SEC. 1 (b)

These registrations are not subject to opposition

429,199. (CLASS 32. FURNITURE AND UPHOLSTERY.) BOSTON LEATHER SPECIALTIES CO., Everett, Mass., assignor to Bunny Bear, Inc., Everett, Mass., a corporation of Massachusetts. Filed Nov. 7, 1944. Serial No. 476,189.

Betta-Sleep

FOR MATTRESSES.
Claims use since June 1, 1943.

429,200. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) JOHN RISSMAN & SON, Chicago, Ill. Filed Nov. 16, 1944. Serial No. 476,528.

TUBTEST

FOR PIECE GOODS OF RAYON, WOOL, AND COTTON, AND OF VARIOUS MIXTURES AND BLENDS THEREOF.
Claims use since on or about Nov. 1, 1943.

429,201. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) J. W. GLENN & SONS, New York, N. Y. Filed Feb. 17, 1945. Serial No. 479,927.

FOR PIECE GOODS OF COTTON, RAYON, AND MIXTURES OF COTTON AND RAYON.
Claims use since Oct. 8, 1944.

429,202. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) HOLLYWOOD POWDER PUFF, CO., INC., doing business as Dartmore Corp., Brooklyn, N. Y. Filed Mar. 9, 1945. Serial No. 480,702.

FOR POWDER PUFFS.
Claims use since May 23, 1940.

429,203. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ITALIAN COOK OIL CORP., Brooklyn, N. Y. Filed June 30, 1945. Serial No. 485,279.

SENECA

FOR SALAD OIL AND COOKING OIL.
Claims use since 1930.

429,204. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) AMERICAN NOVELTY CO., INC., Omaha, Nebr. Filed July 31, 1945. Serial No. 486,513.

Smoothrite

FOR COMBINATION TOY BLACKBOARDS AND DART GAMES.
Claims use since Apr. 10, 1945.

429,205. (CLASS 27. HOROLOGICAL INSTRUMENTS.) DAVE MARDEN, New York, N. Y. Filed Aug. 21, 1945. Serial No. 487,376.

MARDEN

FOR WATCHES.
Claims use since June 7, 1945.

429,206. (CLASS 39. CLOTHING.) GEORGE L. GRODBERG, doing business as George L. Grodberg Company, Boston, Mass. Filed Aug. 25, 1945. Serial No. 487,550.

Clyde Hall

FOR MEN'S AND YOUNG MEN'S SUITS, OVERCOATS, TOPCOATS, SPORT JACKETS, LOAFER COATS AND SPORT PANTS.
Claims use since May 1, 1944.

429,207. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) UNIVERSAL RIBBON COMPANY, New York, N. Y. Filed Nov. 8, 1945. Serial No. 491,293.

COLORAP-TIE

FOR RIBBONS IN THE PIECE AND BY THE YARD.
Claims use since Oct. 11, 1945.

429,208. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) POLAN INDUSTRIES, Huntington, W. Va. Filed Nov. 23, 1945. Serial No. 492,086.

Polan

FOR GLASS POLISHING COMPOUNDS.
Claims use since July, 1944.

429,209. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LEWIS A. TERVEN, doing business as Lewis A. Terven Co., and Terven Products Co., Salinas, Calif. Filed Nov. 27, 1945. Serial No. 492,290.

GOLD'N FRESH

Applicant is owner of Reg. No. 406,237, dated Mar. 14, 1944.
FOR FRESH, FROZEN AND CANNED CARROTS.
Claims use since Nov. 11, 1943.

429,210. (CLASS 39. CLOTHING.) MANCHESTER KNITTED FASHIONS, INC., Manchester, N. H. Filed Dec. 5, 1945. Serial No. 492,722.

Sister Mates

FOR CHILDREN'S KNITTED SUITS.
Claims use since Oct. 30, 1945.

429,211. (CLASS 32. FURNITURE AND UPHOLSTERY.) BIDDLE PURCHASING COMPANY, New York, N. Y. Filed Dec. 15, 1945. Serial No. 493,318.

EVACOLD

FOR DISPLAY CABINETS FOR MERCHANDISE WITHOUT ANY REFRIGERATING DEVICE.
Claims use since Nov. 8, 1945.

429,212. (CLASS 32. FURNITURE AND UPHOLSTERY.) SILVER-TROY CORP., Newark, N. J. Filed Jan. 5, 1946. Serial No. 494,369.

SILVERBRITE

FOR HAND MIRRORS AND WALL MIRRORS.
Claims use since Dec. 20, 1945.

429,213. (CLASS 39. CLOTHING.) LEATHERCLAD INC., New York, N. Y. Filed Jan. 9, 1946. Serial No. 494,508.
The picture of the man shown on the drawing is a fanciful picture.

FOR MEN'S AND BOYS' LEATHER JACKETS, LEATHER COATS, WOOLEN AND LEATHER COMBINATION JACKETS, WOOLEN AND LEATHER COMBINATION COATS, WOOLEN AND LEATHER COMBINATION MACKINAWS AND WOOLEN AND LEATHER COMBINATION PEA COATS.
Claims use since Dec. 1, 1945.

429,214. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) CORO, INC., New York, N. Y. Filed Jan. 16, 1946. Serial No. 494,817.

JEWELCRAFT

FOR NECKLACES, BRACELETS, FINGER RINGS, EARRINGS, JEWELRY CLIPS, BROOCHES, LOCKETS, AND THE FOLLOWING GOODS MADE IN WHOLE OR IN PART OF PRECIOUS METALS OR PLATED WITH THE SAME: BEADS, PINS, HAT ORNAMENTS, HOLDERS FOR FACE POWDER COMPACTS, COMB CASES AND JEWELRY INITIALS.
Claims use since 1920.

429,215. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) JAY-BEE RECORDING CO., New York, N. Y. Filed Jan. 24, 1946. Serial No. 495,296.

DORAY

FOR MECHANICALLY GROOVED PHONOGRAPH RECORDS.
Claims use since Jan. 19, 1946.

429,216. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN JACOBS, doing business as Golden Gate Products, Berkeley, Calif. Filed Feb. 12, 1946. Serial No. 496,445.

SUN-DEE TREAT

FOR CRUSHED BERRIES.
Claims use since Jan. 7, 1946.

429,217. (CLASS 32. FURNITURE AND UPHOLSTERY.) Kent-Coffey Manufacturing Company, Lenoir, N. C. Filed Feb. 20, 1946. Serial No. 496,969.

KENT-COFFEY

FOR FURNITURE—NAMELY, THE FOLLOWING BEDROOM FURNITURE, TO-WIT: DRESSERS, VANITIES, CHESTS, BEDS, CHESTROBES, NIGHTSTANDS, CHAIRS, BENCHES, WARDROBES, CHIFFEROBES, DRESSER ROBES, NIGHT TABLES, BEDSIDE TABLES, BEDROOM DESKS AND CHIFFONIERS.
Claims use since Feb. 7, 1946.

429,218. (CLASS 32. FURNITURE AND UPHOLSTERY.) The Wm. Brenner Furniture Corp., Cincinnati, Ohio. Filed Feb. 25, 1946. Serial No. 497,162.

Queensboro
Line

FOR LIVING ROOM SUITES.
Claims use since Jan. 7, 1946.

429,219. (CLASS 32. FURNITURE AND UPHOLSTERY.) Acme Visible Records, Inc., Chicago, Ill. Filed Feb. 28, 1946. Serial No. 497,358.

SUPERVISIBLE

FOR FILING CABINETS AND FILING CABINET DRAWERS.
Claims use since June 1937 on filing cabinet drawers, and since Oct. 9, 1939 on filing cabinets.

429,220. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) Jacques Schwalbe, New York, N. Y. Filed Mar. 7, 1946. Serial No. 497,820.

Dick Swift
THE PIPE MAN

FOR PIPES, PIPE CASES, CIGARETTE AND CIGAR HOLDERS, CIGARETTE AND CIGAR CASES, HUMIDORS, AND TOBACCO POUCHES.
Claims use since January 1946.

429,221. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) Jacques Schwalbe, New York, N. Y. Filed Mar. 7, 1946. Serial No. 497,821.

THE
Swift
PIPE

FOR PIPES, PIPE CASES, CIGARETTE AND CIGAR HOLDERS, CIGARETTE AND CIGAR CASES, HUMIDORS, AND TOBACCO POUCHES.
Claims use since January 1946.

429,222. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) Clarence Gayle, doing business as Geo. W. Gayle & Son, Frankfort, Ky. Filed Mar. 11, 1946. Serial No. 498,002.

"Simplicity"

FOR FISHING REELS.
Claims use since 1915.

429,223. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) East Pembroke Canning Co., East Pembroke and New York, N. Y. Filed Mar. 12, 1946. Serial No. 498,057.

PEMBROKE

FOR FROZEN AND CANNED VEGETABLES AND CANNED TOMATO JUICE.
Claims use since July 1944 on frozen vegetables and since September 1944 on canned vegetables and tomato juice.

429,224. (CLASS 32. FURNITURE AND UPHOLSTERY.) Leo Rocca, Inc., Washington, D. C. Filed Mar. 12, 1946. Serial No. 498,080.

FOLD-A-DESK

FOR COMBINATION DESK AND DRAWING TABLE WITH INTEGRAL SEAT.
Claims use since Feb. 8, 1946.

429,225. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) Elano Products, New York, N. Y. Filed Mar. 13, 1946. Serial No. 498,128.

"School Craft"

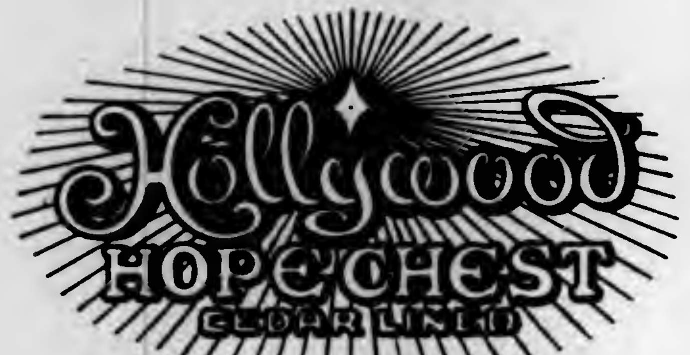
FOR BANNERS AND PENNANTS.
Claims use since June 21, 1945.

429,226. (CLASS 39. CLOTHING.) The Majer Company, New York, N. Y., assignor to Majer Brand Company, Inc., New York, N. Y., a corporation of New York. Filed Mar. 18, 1946. Serial No. 498,426.

MAJER

FOR MEN'S AND YOUNG MEN'S DRESS SHIRTS, SPORT SHIRTS, MILITARY SHIRTS, SLACKS, TROUSERS, MILITARY SLACKS AND TROUSERS, PAJAMAS, PLAY SHORTS, SWIM SHORTS, SKI PANTS AND LEISURE PANTS; AND LADIES' SLACKS.
Claims use since February 1942.

429,227. (CLASS 32. FURNITURE AND UPHOLSTERY.) Armin J. Ortmeyer, Tampa, Fla. Filed Mar. 18, 1946. Serial No. 498,442.



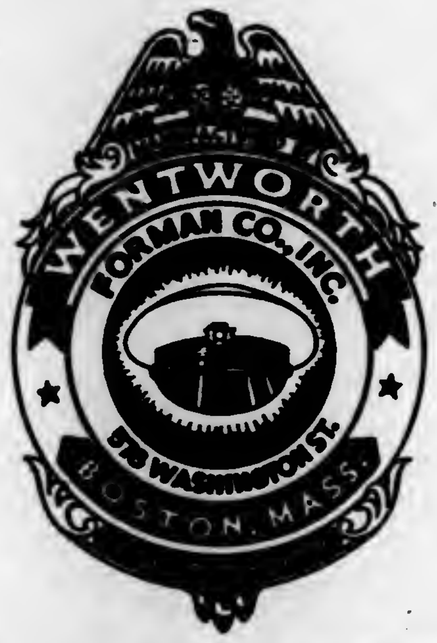
FOR HOPE CHESTS.
Claims use since Apr. 27, 1945.

429,228. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) Venetian Briar Pipe Co., Brooklyn, N. Y. Filed Mar. 22, 1946. Serial No. 498,815.

Stylebilt

FOR SMOKERS' PIPES, AND CIGAR AND CIGARETTE HOLDERS.
Claims use since Jan. 10, 1946.

429,229. (CLASS 39. CLOTHING.) Wentworth-Forman Co., Incorporated, Boston, Mass. Filed Apr. 27, 1946. Serial No. 501,101.


WENTWORTH
FORMAN CO., INC.
WASHINGTON ST.
BOSTON, MASS.

"HEAD-MASTER"

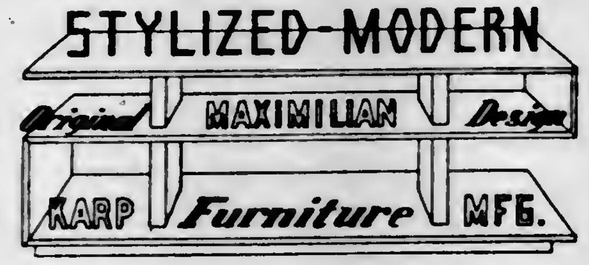
FOR UNIFORM CAPS.
Claims use since Dec. 1, 1940.

429,230. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) Kemper Fabrics Co., Inc., New York, N. Y. Filed May 27, 1946. Serial No. 502,826.

FABRIQUE METALART

FOR TEXTILE FABRICS IN THE PIECE, OF COTTON, RAYON, PROTEIN FIBRES AND MIXTURES THEREOF, COMBINED WITH METALLIC THREADS.
Claims use since Dec. 4, 1934.

429,231. (CLASS 32. FURNITURE AND UPHOLSTERY.) Maximilian S. Karp, Los Angeles, Calif. Filed May 31, 1946. Serial No. 503,099.



FOR DOMESTIC FURNITURE—NAMELY, END, LAMP, SECTIONAL AND DINING TABLES, UPHOLSTERED DINING AND LIVING ROOM CHAIRS, BOOKCASES, DESKS, BUFFETS, WARDROBE CASES AND BEDS.

Claims use since Feb. 19, 1946.

429,232. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) The H. N. White Company, Cleveland, Ohio. Filed May 31, 1946. Serial No. 503,147.

FOR WIND INSTRUMENTS—NAMELY TRUMPETS, CORNETS, TROMBONES, TROMBONIUMS, FRENCH HORNS, UPRIGHT ALTO HORNS, CIRCULAR ALTO HORNS, FRONT BELL BARITONE HORNS, UPRIGHT BELL BARITONE HORNS, BASS HORNS, SOUSAPHONES, SAXOPHONES, CLARINETS, FLUTES, AND PICCOLOS.

Claims use since Aug. 9, 1929.

429,233. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) Grossman Music Co., Cleveland, Ohio. Filed June 15, 1946. Serial No. 503,983.

FOR FIFES, FLAGEOLETS, FLUTES, WHISTLES, AND MOUTHPIECES FOR MUSICAL WIND INSTRUMENTS.

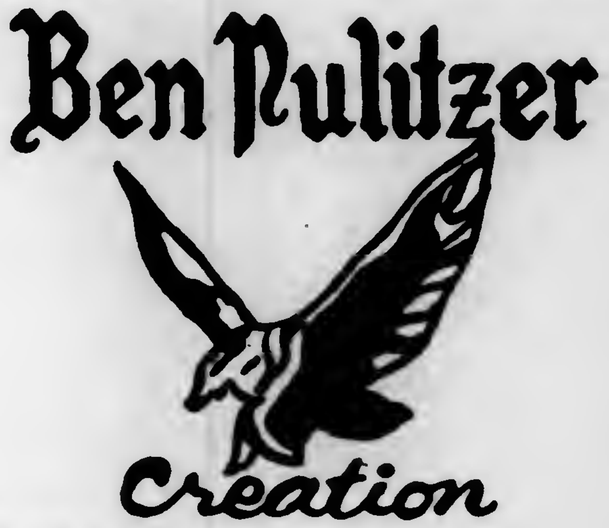
Claims use since Nov. 26, 1945.

429,234. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) The Sta-Warm Electric Company, Ravenna, Ohio. Filed Aug. 7, 1946. Serial No. 507,031.

FOR ELECTRICALLY-HEATED APPARATUS—NAMELY, GLUE POTS, GLUE MELTERS, WAX POTS, WAX DISPENSERS, ASPHALT MELTERS, DIPPING TANKS, SOLDER POTS, CONTACT-TYPE HEAT SEALERS FOR HEAT SEALING OF BAGS AND PACKAGES, AND MELTERS CUSTOM BUILT TO CUSTOMERS' SPECIFICATIONS FOR INDUSTRIAL PROCESS HEATING.

Claims use since on or about Jan. 15, 1916.

429,235. (CLASS 39. CLOTHING.) Ben Pulitzer Creations, Inc., New York, N. Y. Filed Aug. 20, 1946. Serial No. 507,691.



FOR NECKTIES.

Claims use since Feb. 20, 1945.

429,236. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) Everfine Jewelry Mfg. Co., Providence, R. I. Filed Aug. 26, 1946. Serial No. 508,035.

FOR JEWELRY FOR PERSONAL WEAR (NOT INCLUDING WATCHES) MADE WHOLLY OR PARTLY OF PRECIOUS METAL—NAMELY, LOCKETS, NOVELTY JEWELRY, AND ALL TYPES OF BRACELETS.

Claims use since Sept. 1, 1945.

429,237. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) Brown Paint Company, Incorporated, Charlotte, N. C. Filed Dec. 26, 1946. Serial No. 514,796.

FOR LACQUER SOLVENT FOR PAINTERS' USES.

Claims use since August 1937.

429,238. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) The Seamless Rubber Company, New Haven, Conn. Filed Jan. 17, 1947. Serial No. 515,910.

FOR ICE OR HOT WATER BAGS.

Claims use since Feb. 3, 1944.

TRADE-MARK REGISTRATIONS RENEWED

25,285. **SOCIÉTÉ.** CHEESE. Registered Oct. 2, 1894. Societe Anonyme des Caves et des Producteurs Reunis de Roquefort, Roqueford (Aveyron), France, a corporation of France. Re-renewed Oct. 2, 1944. Class 46.

49,516. **REX.** FLEXIBLE TUBING. Registered Feb. 6, 1906. Chicago Tubing & Braiding Co., Chicago, Ill. Re-renewed Feb. 6, 1946, to Chicago Metal Hose Corporation, Maywood, Ill., a corporation of Illinois. Class 35.

53,629. **"HONEST WIDTH" AND DRAWING.** COTTON SHEETINGS. Registered June 5, 1906. Edwin M. Green, St. Louis, Mo., executor of the estate of Albert W. Green, deceased. Re-renewed June 5, 1946, to The Yardstick, Inc., New York, N. Y., a corporation of New York. Class 42.

55,488. **YOUNG'S HATS.** HATS. Registered Aug. 14, 1906. Young Brothers. Re-renewed Aug. 14, 1946, to Young's Merchandising Corp., New York, N. Y., a corporation of New York. Class 39.

55,719. **"VERITABLE LIQUEUR BÉNÉDICTINE" ETC.** CORDIAL. Registered Aug. 21. 1906. Société Anonyme de la Distillerie de la Liqueur Bénédictine de l'Abbaye de Fécamp. Re-renewed Aug. 21, 1946, to Société Anonyme de la Bénédictine, Distillerie de la Liqueur de l'Ancienne Abbaye de Fécamp, Fecamp (Seine-Inferieur), France, a corporation of France. Class 49.

55,832. **"BÉNÉDICTINE" AND DESIGN.** LIQUEUR AND CORDIAL. Registered Aug. 21, 1906. Société Anonyme de la Distillerie de la Liqueur Bénédictine de l'Abbaye de Fécamp. Re-renewed Aug. 21, 1946, to Société Anonyme de la Bénédictine, Distillerie de la Liqueur de l'Ancienne Abbaye de Fécamp, Fecamp (Seine-Inferieur), France, a corporation of France. Class 49.

56,330. **"WMC" AND REPRESENTATION OF YARN.** YARN USED IN WEAVING FABRICS AND BRAIDING CORDAGE. Registered Sept. 11, 1906. Whittier Mills, assignor to Whittier Mills Company. Re-renewed Sept. 11, 1946, to Whittier Mills Company, Chattahoochee, Ga., a corporation of Georgia. Class 43.

58,889. **MEXICAN SILVER.** IMITATION SILVERWARE FOR TABLE USE. Registered Dec. 25, 1906. International Silver Company. Re-renewed Dec. 25, 1946, to The International Silver Company, Meriden, Conn., a corporation of Connecticut. Class 23.

59,609. **JELLITAC.** PASTE. Registered Jan. 15, 1907. Arthur S. Hoyt. Re-renewed Jan. 15, 1947, to Arthur S. Hoyt Company, Inc., New York, N. Y., a corporation of New York. Class 5.

60,496. **ARTGUM.** ERASERS OR ELASTIC COMPOSITIONS FOR ERASING MARKS FROM AND CLEANING DRAWINGS, TRACINGS, PICTURES, WALLPAPER, LEATHER GOODS, APPAREL, ETC. Registered Feb. 12, 1907. Adolph Sommer, Cambridge, Mass. Re-renewed Feb. 12, 1947, to The Rosenthal Company, New York, N. Y., a corporation of New York. Class 37.

61,120. **VULCAN.** WRAPPING PAPER, PAPERBOARDS, AND PAPER BAGS. Registered Mar. 5, 1907. The Union Bag & Paper Company. Re-renewed Mar. 5, 1947, to Union Bag & Paper Corporation, New York, N. Y., a corporation of New Jersey. Classes 2 and 37.

61,121. **"UNION" AND SHIELD DESIGN.** WRAPPING-PAPER AND PAPER BOARDS. Registered Mar. 5, 1907. The Union Bag & Paper Company. Re-renewed Mar. 5, 1947, to Union Bag & Paper Corporation, New York, N. Y., a corporation of New Jersey. Class 37.

209,073. **ARISTOCRAT OF MOTOR FUELS.** GASOLINE. Registered Feb. 16, 1926. The Pocahontas Oil Company. Renewed Feb. 16, 1946, to The Pocahontas Oil Corporation, Cleveland, Ohio, a corporation of Ohio. Class 15.

209,079. **PIMIEXO.** DRY SWEET PEPPER IN FLAKED AND POWDERED FORM. Registered Feb. 16, 1926. Chili Products Corporation. Renewed Feb. 16, 1946, to Chili Products Corporation, Ltd., Los Angeles, Calif., a corporation of California. Class 46.

211,557. **THE MUTUAL SYSTEM.** SAVING CERTIFICATES. Registered Apr. 13, 1926. The Mutual System Company. Renewed Apr. 13, 1946. to The Mutual System of Bridgeport, Inc., Bridgeport, Conn., a corporation of Connecticut. Class 38.

211,885. **"BLUE FLASH GAS" AND DRAWING.** GASOLINE. Registered Apr. 20, 1926. The Pocahontas Oil Company. Renewed Apr. 20, 1946, to The Pocahontas Oil Corporation, Cleveland, Ohio, a corporation of Ohio. Class 15.

212,598. **REPRESENTATION OF A PANEL DESIGN.** CERTAIN NAMED CHEMICAL, MEDICINAL AND PHARMACEUTICAL PREPARATIONS. Registered May 11, 1926. Associated Physicians Laboratories. Renewed May 11, 1946, to Associated Physicians Laboratories, Ltd., San Francisco, Calif., a corporation of California. Class 6.

215,110. **APCO.** LAXATIVE PILL OR POWDER. Registered July 13, 1926. Hance Brothers & White Inc. Renewed July 13, 1946, to Hance Bros. & White Co., Philadelphia, Pa., a partnership. Class 6.

215,594. **TEXTUFF.** IMPREGNATED AIR-TIGHT MATERIAL MADE OF FIBER OR COTTON FOR PROTECTING PERISHABLE OBJECTS. Registered July 20, 1926. Food Flavour Preservation Process Limited, Leigh-on-Sea, England. Renewed July 20, 1946, to Food Flavour Preservation Process Limited, London, England, a corporation of Great Britain. Class 50.

216,711. **"MURRMANN'S COMPOUND" AND FACSIMILE OF APPLICANT'S PORTRAIT.** MEDICINE TO BE USED IN THE TREATMENT OF FUNCTIONAL DISORDERS OF THE LUNGS AND AILMENTS ARISING FROM COUGHS AND COLDS. Registered Aug. 17, 1926. Mrs. Annie Elizabeth Murrmann, Danville, Ill. Renewed Aug. 17, 1946. Class 6.

217,124. **"TEX SUN" ETC. AND DRAWING.** FRESH GRAPEFRUIT AND ORANGES. Registered Aug. 24, 1926. Texsun Packing Co., Brownsville, Tex. Renewed Aug. 24, 1946, to Texsun Citrus Exchange, Weslaco, Tex., a corporation of Texas. Class 46.

217,397. **RUB FLUX.** RUBBER SOFTENERS. Registered Aug. 31, 1926. Wishnick-Tumpeer Chemical Co. Renewed Aug. 31, 1946, to Witco Chemical Company, Chicago, Ill., a corporation of Illinois. Class 6.

218,489. **"QUAIL" AND DRAWING.** ROASTED COFFEE. CANNED SALMON AND OYSTERS; SPICES, FOOD-FLAVORING EXTRACTS, AND TEA. Registered Sept. 28, 1926. Ridenour-Baker Mercantile Company. Renewed Sept. 28, 1946, to Scrivner-Stevens Company, Oklahoma City, Okla., a corporation of Oklahoma. Class 46.

219,500. **"DOUBLE CHECK" AND DESIGN.** POULTRY AND STOCK FEEDS. Registered Oct. 19, 1926. Andersen-Smith & Hamilton Incorporated. Renewed Oct. 19, 1946, to Andersen-Smith Milling Co., San Francisco, Calif., a corporation of California. Class 46.

219,501. **CONCENTEIN.** POULTRY AND STOCK FEEDS. Registered Oct. 19, 1926. Andersen-Smith & Hamilton Incorporated. Renewed Oct. 19, 1946, to Andersen-Smith Milling Co., San Francisco, Calif., a corporation of California. Class 46.

219,700. **NAPHICIDE.** INSECTICIDES. Registered Oct. 19, 1926. Nitrate Agencies Company. Renewed Oct. 19, 1946, to Naco Fertilizer Company, New York, N. Y., a corporation of West Virginia. Class 6.

220,643. **SHUSH.** WAX COMPOUND FOR USE IN REMOVING HAIR; TOILET POWDER, AND TOILET CREAM OINTMENT. Registered Nov. 16, 1926. Shush Laboratories, Not Inc. Renewed Nov. 16, 1946, to George S. Baker, Chicago, Ill. Class 6.

220,850. **PRINCESS MARY.** PERFUMES AND TOILET WATERS. Registered Nov. 16, 1926. French Beauty Products Co., Inc. Renewed Nov. 16, 1946, to Harriet Hubbard Ayer, New York, N. Y., a corporation of New York. Class 6.

221,013. **THREE.** ABRASIVE CLOTH AND PAPER.
·M·
Registered Nov. 23, 1926. Minnesota Mining & Manufacturing Company. Renewed Nov. 23, 1946, to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware. Class 4.

221,014. **"3 M CO." AND DESIGN.** ABRASIVE CLOTH AND PAPER. Registered Nov. 23, 1926. Minnesota Mining & Manufacturing Company. Renewed Nov. 23, 1946, to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware. Class 4.

221,159. **"DEPENDON" AND DESIGN.** PREPARED ROOFING OF ALL KINDS. Registered Nov. 23, 1926. Dependon Asphaltum Roofing Co. Renewed Nov. 23, 1946, to Dependon Roofing Co., Chicago, Ill., a corporation of Illinois. Class 12.

221,231. **"SEALUBE" AND DRAWING.** LUBRICATING OILS AND GREASES. Registered Nov. 23, 1926. General Petroleum Corporation of California. Renewed Nov. 23, 1946, to General Petroleum Corporation, Los Angeles, Calif., a corporation of Delaware. Class 15.

221,725. **"BARBARA FRITCHIE" AND PORTRAIT.** GINGER ALE. Registered Dec. 7, 1926. Shipley's Bottling Works, Frederick, Md., a firm. Renewed Dec. 7, 1946. Class 45.

221,804. **"KERN'S" AND DESIGN.** HAM AND BACON. Registered Dec. 14, 1926. George Kern, Inc. Renewed Dec. 14, 1946, to George Kern, Inc., New York, N. Y., a corporation of New York. Class 46.

221,806. **MASSALLINA.** VEGETABLE OILS—NAMELY, COTTONSEED OIL AND OLIVE OIL. Registered Dec. 14, 1926. P. De Marinis-Ambriola Company. Renewed Dec. 14, 1946, to John Ambriola & Co., Inc., Youngstown, Ohio, a corporation of Ohio. Class 46.

222,061. **TEX.** CHEMICAL COMPOUND FOR CLEANING UPHOLSTERY AND CARPETS. Registered Dec. 21, 1926. Warren K. Lepper, Gloversville, N. Y. Renewed Dec. 21, 1946, to The Climalene Company, Canton, Ohio, a corporation of Ohio. Class 4.

222,354. **LENZO.** FLUID FOR CLEANING OPTICAL LENSES. Registered Dec. 28, 1926. Abraham L. Fellman, doing business as The Lenzo Company. Renewed Dec. 28, 1946, to Bertha R. Fellman, doing business as Lenzo Company, Philadelphia, Pa. Class 4.

222,498. **"EXCEL" ETC.** POTATOES IN THEIR NATURAL STATE. Registered Jan. 4. 1927. Atlantic Commission Company, Inc., New York, N. Y., a corporation of New York. Renewed Jan. 4, 1947. Class 46.

222,614. **"BOIL PROOF" ETC. AND DESIGN.** ALL-SILK PIECE GOODS DYED BY A PATENTED PROCESS. Registered Jan. 4, 1927. Eugene L. Maupai. Renewed Jan. 4, 1947, to F. P. Maupal Dyeing Co., Inc., West New York, N. J., a corporation of New Jersey. Class 42.

222,694. **"VELCREST" ETC. AND DESIGN.** COMPLEXION SOAP, MEDICATED SOAP, AND SHAVING SOAP. Registered Jan. 4, 1927. The Velcrest Company, Mansfield, Ohio, a corporation of Ohio. Renewed Jan. 4, 1947. Class 4.

223,219. **MOTOR MAINTENANCE.** MONTHLY PUBLICATION. Registered Jan. 18, 1927. The Irving-Cloud Publishing Company, Chicago, Ill., a corporation of Illinois. Renewed Jan. 18, 1947. Class 38.

223,548. **BOBBIE.** HAIRPINS MADE OF SPRING METAL. Registered Feb. 8, 1927. Hazel H. Walts, Oakland, Calif. Renewed Feb. 8, 1947, to Smith Victory Corporation, Buffalo, N. Y., a corporation of Delaware. Class 40.

223,705. **SWEET HOME.** BACON, HAM, PICNICS, SAUSAGE, AND LARD. Registered Feb. 8, 1927. Luer Bros. Packing & Ice Co., Alton, Ill., a corporation of Illinois. Renewed Feb. 8, 1947. Class 46.

223,784. **"SAND-SPUN" AND DESIGN.** CAST-IRON PIPES. Registered Feb. 8, 1927. Florence Pipe Foundry & Machine Co., Florence, N. J., and Philadelphia, Pa. Renewed Feb. 8, 1947, to Florence Pipe Foundry & Machine Company, Florence, N. J., a corporation of New Jersey. Class 13.

224,090. **ANESTUBE.** TUBES CONTAINING AN ANAESTHETIC ADAPTED TO BE APPLIED HYPODERMICALLY. Registered Feb. 15, 1927. Novocol Chemical Mfg. Co., Inc., Brooklyn, N. Y., a corporation of New York. Renewed Feb. 15, 1947. Class 44.

224,316. **"UNION CAMEL" ETC.** PAPER BAGS. Registered Feb. 22, 1927. Union Bag & Paper Corporation, New York, N. Y., a corporation of New Jersey. Renewed Feb. 22, 1947. Class 2.

224,453. **COLONIAL.** GASOLINE. Registered Mar. 1, 1927. Beacon Oil Company. Renewed Mar. 1, 1947, to Colonial Beacon Oil Company, Boston, Mass., a corporation of Massachusetts. Class 15.

224,548. **'KITCHENETTE'.** LADIES' HOUSE APRONS. Registered Mar. 1, 1927. Herbert W. Roehr. Renewed Mar. 1, 1947, to Kitchenette Apron Company, Milwaukee, Wis., a corporation of Wisconsin. Class 39.

224,556. **MIDWAY.** COTTON BLANKETS. Registered Mar. 1, 1927. Beacon Manufacturing Company, New Bedford, Mass., and Providence, R. I. Renewed Mar. 1, 1947, to Beacon Manufacturing Company, Swannanoa, N. C., a corporation of Massachusetts. Class 42.

224,628. **DESERT SWEETS.** FRESH AND CANDIED DATES. Registered Mar. 1, 1927. The Deglet Noor Date Growers Association. Renewed Mar. 1, 1947, to California Date Growers Association, Indio, Calif., a corporation of California. Class 46.

224,718. **"STARK'S HAPPY BOY" AND REPRESENTATION OF BOY.** APPLES IN THEIR NATURAL STATE. Registered Mar. 1, 1927. Paul & Lloyd Stark Orchards, Louisiana, Mo., a firm. Renewed Mar. 1, 1947. Class 46.

224,948. **ANKORITE.** BRAKE LINING, RUBBER, BALATA, AND LEATHER BELTING FOR POWER TRANSMISSION AND CONVEYING HOSE, GASKETS, AND ENGINE, PUMP, HEATER, VALVE AND MACHINERY PACKING. Registered Mar. 8, 1927. The Anchor Packing Company, Philadelphia, Pa., a corporation of New Jersey. Renewed Mar. 8, 1947. Class 35.

224,955. **DESENCIN.** ORGANIC IODINE COMPOUND EXHIBITING SPASMOLITIC AND BLOOD-PRESSURE LOWERING PROPERTIES. Registered Mar. 8, 1927. H. A. Metz Laboratories, Inc. Renewed Mar. 8, 1947, to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York. Class 6.

225,007. **"RED CIRCLE" AND REPRESENTATION OF RED CIRCLE.** COFFEE. Registered Mar. 8, 1927. The Great Atlantic & Pacific Tea Co., Jersey City, N. J. Renewed Mar. 8, 1947, to The Great Atlantic & Pacific Tea Co., New York, N. Y., a corporation of New Jersey. Class 46.

225,243. **"AUTOKRAT".** CARDBOARD BOXES. Registered Mar. 15, 1927. Edwin J. Schoettle Company, Philadelphia, Pa., a corporation of Pennsylvania. Renewed Mar. 15, 1947. Class 2.

225,263. **TUFFITE.** TOOTHED OR GEAR WHEELS, SPROCKETS, PULLEYS, AND CAMS. Registered Mar. 15, 1927. Stewart R. Browne Mfg. Co. Inc., New York, N. Y., a corporation of New York. Renewed Mar. 15, 1947. Class 23.

225,266. **MAY FLOWERS MAIFLEURS.** PERFUME, TOILET WATER, FACE POWDER, TALCUM POWDER, ROUGE, BRILLIANTINE, COLD CREAM, CLEANSING CREAM, VANISHING CREAM, LEMON CREAM, TISSUE CREAM, NAIL POLISH, LOTION FOR THE SKIN AND HAIR. Registered Mar. 15, 1927. Reichman & Faust. Renewed Mar. 15, 1947, to Cheramy, Inc., New York, N. Y., a corporation of New York. Class 6.

225,404. **HOME-WAY.** CANDIES; SALTED, SHELLED, UNSHELLED, AND GLACÉ NUTS; FRESH, CANNED, AND DRIED FRUITS; STUFFED FRUITS, GLACÉ FRUITS; POP CORN CANDIED, SALTED, OR IN ITS NATURAL STATE; POPPING CORN, POP-CORN CONFECTIONS; RAISINS WHICH ARE DRIED, CHOCOLATE COATED; FIGS, AND DATES. Registered Mar. 15, 1927. Minoa J. Nicholas, New York, N. Y. Renewed Mar. 15, 1947. Class 46.

225,427. **BAYER.** INSECTICIDES, FUNGICIDES, RODENTICIDES, ECONOMIC POISONS, AND DISINFECTANTS. Registered Mar. 15, 1927. The Bayer Company, Inc., New York, N. Y. Renewed Mar. 15, 1947, to Sterling Drug Inc., Wilmington, Del., a corporation of Delaware. Class 6.

225,542. **CYNTHIA.** YARNS AND THREAD. Registered Mar. 22, 1927. Cynthia Mills, East Boston, Mass. Renewed Mar. 22, 1947, to Cynthia Mills, Boston, Mass., a corporation of Massachusetts. Class 43.

228,084. **"IRVIN" ETC. AND REPRESENTATION OF PARACHUTE.** PARACHUTES, PARACHUTE PACKS, AND PARACHUTE HARNESS. Registered May 24, 1927. Irving Airchute Company, Inc., Buffalo, N. Y., a corporation of New York. Renewed May 24, 1947. Class 19.

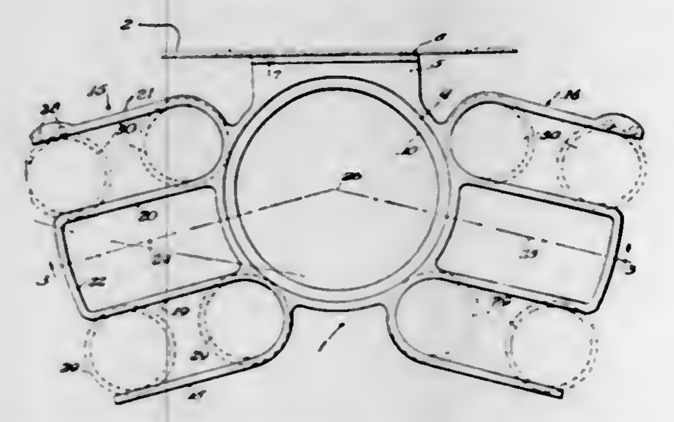
PATENTS

GRANTED APRIL 22, 1947

2,419,191

STERILIZING RACK

Gustave A. Anderson, Chicago, Ill., assignor to Rite-Way Products Co., Chicago, Ill., a corporation of Delaware
Application May 14, 1945, Serial No. 593,563
4 Claims. (Cl. 21—105)



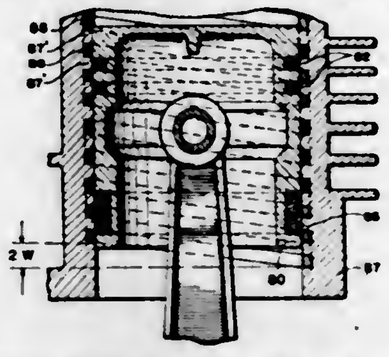
4. A unitary rack for holding a cleaning fluid container and teat cups and the tubes leading therefrom to allow cleaning fluid to be supplied thereto, said rack comprising a cast ring having flange means along the inside thereof below the top of the ring for holding a cleaning fluid container, the ring having at the back thereof a mounting flange formed integrally therewith for securing the ring to a supporting wall, the ring having, on each side of the mounting flange, a set of four symmetrically spaced parallel bars extending from the ring and integrally formed therewith, the bars of the two sets being all at the same level, the center line of each set of symmetrically spaced bars intersecting the center of the ring with the two center lines intersecting one another at an angle substantially less than 180° and more than 90°, each of said center lines extending from the center of the ring in a direction forwardly of the back of the ring whereby each bar extends angularly outwardly of a supporting wall on which the mounting flange may be secured and the minimum distance between the ends of the two sets of bars is less than the sum of the outside diameter of the ring plus the lengths of two bars, the center bars of each set being joined at their outer ends to strengthen the sets of bars, and one of the bars of each set having, at the outer end thereof, a pair of integrally formed downwardly extending hose-receiving projections adapted to enter the end of an elastic hose to hold the end of the hose in place.

2,419,192

PISTON AND CYLINDER CONSTRUCTION

William M. Anderson, Minneapolis, Minn., assignor of one-fourth to Oscar W. Giese, Washington, D. C., and one-fourth to Maurice H. Graham, St. Louis Park, Minn.
Application July 18, 1944, Serial No. 545,462
24 Claims. (Cl. 309—1)

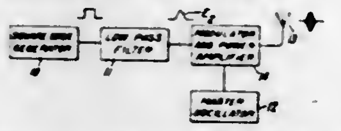
17. A reciprocating engine comprising a cylinder body and a piston assembly working in the cylinder bore, said cylinder incorporating a series of axially spaced narrow wear-resistant insert rings surrounding the bore and separated by narrow annular land portions of the cylinder body, and the piston assembly including a piston body having circumferential grooves, and hard nonmetallic sealing rings seating in said grooves.



2,419,193

COMMUNICATION SYSTEM

Everhard H. B. Bartelink, West Milton, N. Y., assignor to General Electric Company, a corporation of New York
Application December 9, 1942, Serial No. 468,346
9 Claims. (Cl. 250—17)



1. In a system in which pulses of high frequency oscillations are radiated and received for the transmission of signals, the combination of means for reducing the power required by the transmitting means to produce in the receiving means pulses of desired intensity, said means comprising means for producing a succession of pulses, means for transforming said pulses into pulses substantially triangular in shape, and means for modulating said high frequency oscillations by said triangular pulses to produce triangular shaped pulses of said high frequency oscillations.

2,419,194

PROTEIN-RESIN BONDED SHEET ABRASIVE

Allen C. Barwell, Kennett Square, Pa., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 14, 1944, Serial No. 558,725
14 Claims. (Cl. 51—301)

14. An abrasive product comprising a backing of a cellulosic sheet material, a coating thereon comprising a proteinaceous adhesive and the ethylene glycol ester of a pine wood resin having a petroleum hydrocarbon insolubility of from about 30% to about 95%, and abrasive grains embedded in said coating.

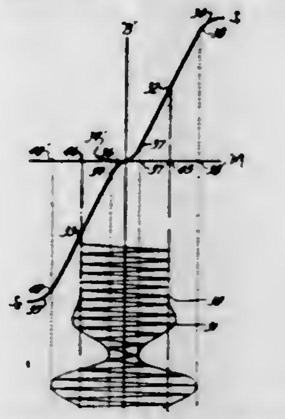
2,419,195

APPARATUS AND METHOD FOR MAGNETIC RECORDING

Semi Joseph Begun, Cleveland Heights, Ohio, assignor to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio
Application June 16, 1944, Serial No. 540,667
12 Claims. (Cl. 179—100.2)

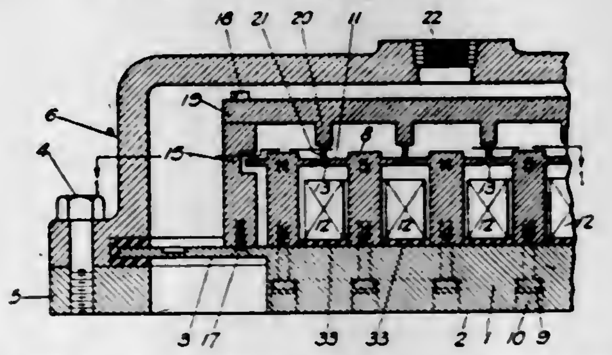
1. The process of recording a signal on magnetic material, comprising the steps of: provid-

ing a carrier current having a normal peak amplitude, said current being adapted to establish for the normal peak amplitude a magnetizing force in the said material corresponding to a point on the magnetization curve of the material substantially mid-way between upper and lower critical zones, modulating said carrier current by a signal to establish two envelopes, and applying to the material magnetizing forces having peak values corresponding to both envelopes of the modulated carrier current, the modulation of said carrier current being adjusted to cause the flux density in the material corresponding to the peak value of each one-half cycle of the modulated carrier current to correspond to a point which lies on the magnetization curve of the material between said upper and lower critical zones.



2,419,196
ELECTROACOUSTIC TRANSDUCER

Hugo Benioff, La Canada, Calif., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass., a corporation of Delaware
Application May 3, 1940, Serial No. 333,157
17 Claims. (Cl. 177—386)

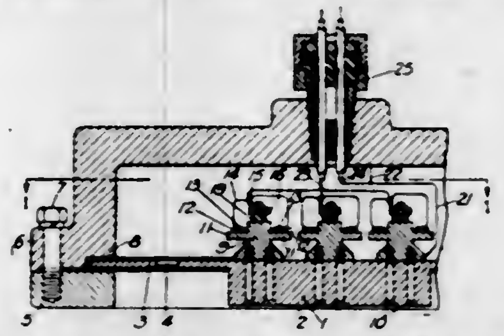


12. An electroacoustic transducer comprising a radiating member, means including said member forming a plurality of half wave length vibrators, each of said vibrators being composed of said radiating member with a longitudinally vibrating element extending therefrom having a free end and a node intermediate of the ends of the means taken longitudinally, means including a plurality of reeds extending normally from said longitudinally vibrating elements at points in the vicinity of their free ends, said reeds being adapted to vibrate flexurally at the frequency corresponding to said half wave length for vibrating said vibrators and means for vibrating said reeds.

2,419,197
ELECTROACOUSTIC TRANSDUCER

Hugo Benioff, La Canada, Calif., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass., a corporation of Delaware
Application May 3, 1940, Serial No. 333,158
5 Claims. (Cl. 177—386)

5. In an electroacoustic device, in combination, a vibratory mounting unit comprising a longitudinally vibrating element having a free end, a mounting reed projecting laterally from the longitudinally vibrating element near its free end, said reed having a flat surface parallel to its length dimension, piezoelectric crystal elements, means cementing said piezoelectric crystal elements on the mounting surface of said reeds, said piezoelectric crystal elements having electrodes extending parallelly to said mounting surfaces, and a radiating member on which said longitudinally vibrating element is mounted substantially normally thereto, said vibrating reed and said longitudinally vibrating element being tuned substantially for the desired frequency at which said electroacoustic device is to operate.



2,419,198
PROCESS FOR DEHYDROHALOGENATING HALOGENATED ORGANIC COMPOUNDS

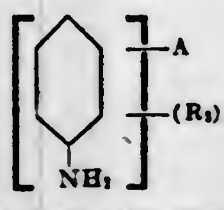
Roy E. Bowman, Blacksburg, Va.
No Drawing. Application September 2, 1943, Serial No. 500,972
5 Claims. (Cl. 260—668)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. The process for splitting off a hydrogen halide from organic compounds in which a halogen has replaced hydrogen attached to carbon, the said process comprising contacting said compounds, in the absence of solvents therefor, with iodized magnesium as a dehydrohalogenation catalyst, while the said compounds are at least at a temperature sufficiently elevated to initiate a reaction accompanied by the evolution of a hydrogen halide.

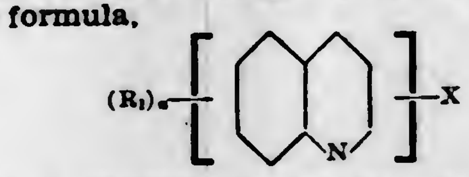
2,419,199
QUINOLINE COMPOUNDS AND PROCESS OF MAKING SAME

Joseph H. Burckhalter, Detroit, Albert L. Rawlins, Grosse Pointe Woods, Frank H. Tendick, Grosse Pointe Park, Eldon M. Jones, Grosse Pointe Woods, and Walter F. Holcomb, Detroit, Mich., assignors to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application February 9, 1945, Serial No. 577,149
13 Claims. (Cl. 260—288)

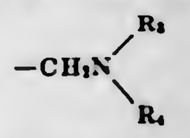
6. The process which consists in reacting the primary amino group of a compound having the formula,



with the reactive halogen atom of a compound of the formula,

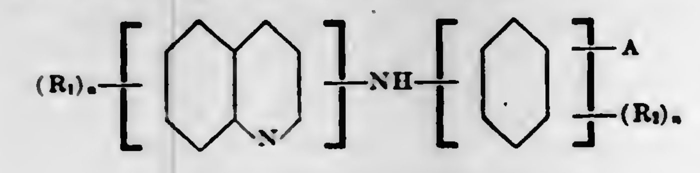


where X represents a halogen atom which is bound to one of the carbon atoms of the quinoline nucleus at one of the positions two and four and which is selected from the class consisting of chlorine, bromine and iodine; $(R_1)_n$ represents n substituents R_1, where n has one of the values 0, 1, 2 and 3, and R_1 is a substituent of the class consisting of halogen, —CN, —OH, —NO_2, lower alkyl, lower hydroxy alkyl, lower alkoxy, aryl, lower alkyl substituted aryl, amino, lower alkylamino, groups hydrolyzable to amino and lower alkylamino, lower dialkylamino, piperidine, pyrrolidine, morpholine and thiomorpholine, —COOH and salts and esters of —COOH; $(R_2)_n$ represents n substituents R_2, where n has one of the values 0, 1, 2 and 3, and R_2 is a substituent selected from the class consisting of halogen, lower alkyl, aryl, —NO_2, the group A, amino, lower alkylamino, groups hydrolyzable to amino and lower alkylamino, lower dialkylamino, piperidine, pyrrolidine, morpholine and thiomorpholine; A represent a group having the formula



$$-CH_2N\begin{matrix}R_3\\R_4\end{matrix}$$

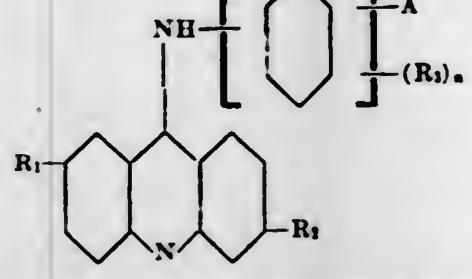
wherein R_3 and R_4 represent a substituent selected from the class consisting of hydrogen, saturated alkyl containing 1 to 6 carbon atoms, unsaturated alkyl containing 1 to 6 carbon atoms and hydroxyalkyl containing 1 to 6 carbon atoms, and further members in which R_3 and R_4 taken together with N form a heterocyclic ring consisting of a member of the class piperidine, morpholine, thiomorpholine, piperazine, pyrrolidine and pyrrole; thereby forming halogen halide and a compound having the formula



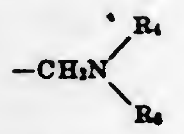
2,419,200
ACRIDINE COMPOUNDS AND PROCESS OF MAKING SAME

Joseph H. Burckhalter, Detroit, Albert L. Rawlins, Grosse Pointe Woods, Frank H. Tendick, Grosse Pointe Park, Eldon M. Jones, Grosse Pointe Woods, and Walter F. Holcomb, Detroit, Mich., assignors to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application February 9, 1945, Serial No. 577,150
13 Claims. (Cl. 260—279)

1. A compound of the class consisting of a free base and its acid addition salts, the free base of said compound having the formula



wherein R_1 and R_2 are substituents selected from the class consisting of hydrogen, lower alkyl, lower alkoxy, chlorine, bromine and —CN; $(R_3)_n$ represents n substituents R_3, where n has one of the values 0, 1, 2 and 3 and R_3 is a substituent of the class consisting of lower alkyl, chlorine, bromine, —CN and —NO_2; the group A in said formula has the formula

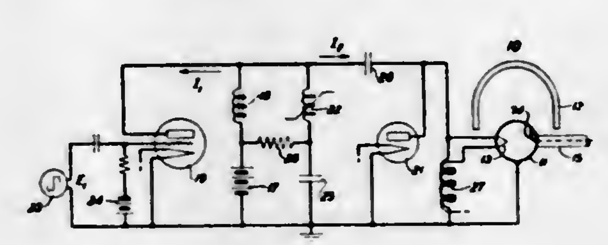


$$-CH_2N\begin{matrix}R_4\\R_5\end{matrix}$$

where R_4 is a member of the class consisting of hydrogen, lower alkyl and lower hydroxyalkyl, R_5 is a member of the class consisting of lower alkyl and lower hydroxyalkyl and further members in which R_4 and R_5 taken together with N form a heterocyclic ring consisting of a member of the class piperidine, morpholine, thiomorpholine, piperazine, pyrrolidine and pyrrole.

2,419,201
PULSE GENERATOR

Elmo E. Crump, East Orange, and Lawrence G. Kersta, Madison, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 30, 1943, Serial No. 512,294
15 Claims. (Cl. 171—97)

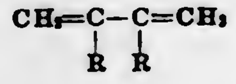


1. In a recurrent pulse generator, a source of direct current, a first inductor, a storage capacitor, switching means for intermittently establishing a flow of current from said source through said inductor, circuit connections for charging said storage capacitor by the surge developed upon the interruption of said flow of current, a second inductor having a readily saturable core, circuit connections including a by-pass capacitor for discharging said storage capacitor to the load through said second inductor, the capacity of said second capacitor being sufficiently low that said second inductor does not become saturated during the period of said flow of current, and a resistor connecting said source to said second inductor to supply current thereto through said switching means.

2,419,202
INTERPOLYMERIZING BUTADIENE, STYRENE, AND ETHYL ACRYLATE

Gaetano F. D'Alelio, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
No Drawing. Application September 17, 1942, Serial No. 458,728
3 Claims. (Cl. 260—84.5)

1. The process which comprises polymerizing in aqueous emulsion a monomer mixture containing essentially 70 to 80% by weight styrene, 10 to 25% by weight ethyl acrylate and 5 to 10% by weight of a butadiene-1,3 of the formula

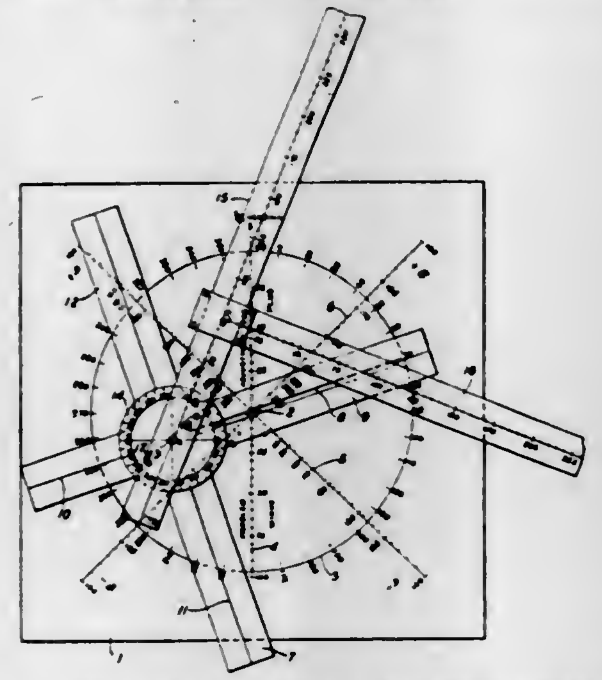


$$CH_2=\underset{R}{C}-\underset{R}{C}=CH_2$$

wherein R is a member of the class consisting of hydrogen and the methyl radical.

2,419,203
PLOTTING BOARD

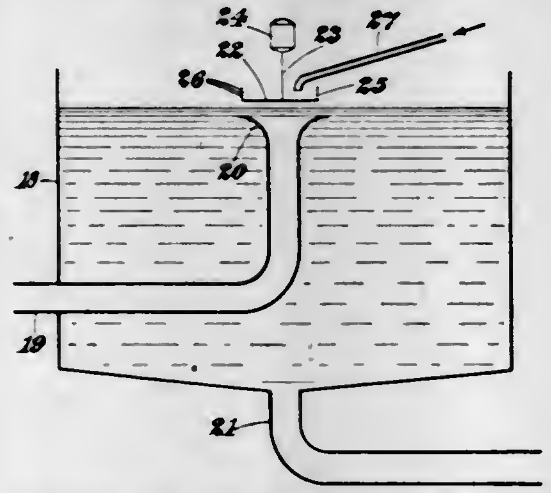
Paul G. Edwards, Verona, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 6, 1944, Serial No. 534,487
5 Claims. (Cl. 33—98)



5. A plotting board having scales intersecting in quadrature at a point representing the location of a moving pick-up device, an azimuth circle about the point, a line through the point at 45 degrees to the scales representing the course of the pick-up device, a slotted member mounted for sliding and rotary motion about the point, a cross arm on the member, an azimuth scale and a first linear scale pivotally mounted at the intersection of the cross arm and slotted member and a second linear scale slidably mounted on the first at right angles thereto.

2,419,204
PRODUCTION OF CONCENTRATED SLURRIES OF MAGNESIUM HYDROXIDE

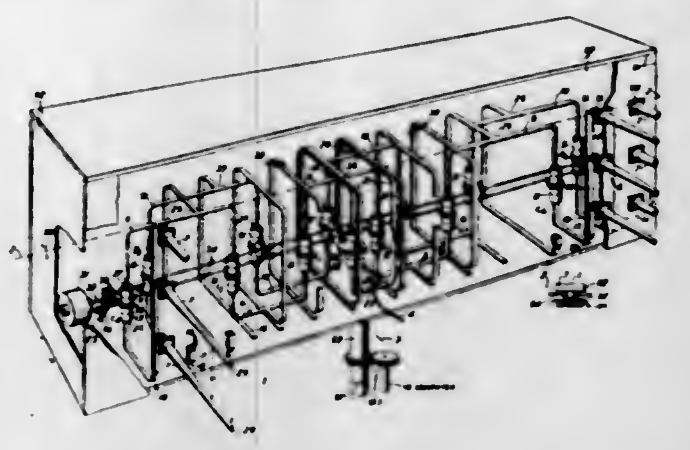
Frank Elkington, Sheffield, and Heinz Henry Chesny, Worksop, England
Application February 3, 1941, Serial No. 377,226
In Great Britain January 22, 1940
10 Claims. (Cl. 23—201)



1. A process for the production of rapidly settling crystalline magnesium hydroxide from dolomite which process comprises calcining dolomite to convert substantially all the carbonate to oxide, slaking the calcined dolomite, forming a slurry and bringing the said slurry into contact with a brine containing convertible magnesium salts by spraying the slurry onto a flowing surface of a body of the said brine.

2,419,205
DIRECTIVE ANTENNA SYSTEM

Carl B. H. Feldman, Rumson, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 4, 1942, Serial No. 464,479
16 Claims. (Cl. 250—11)

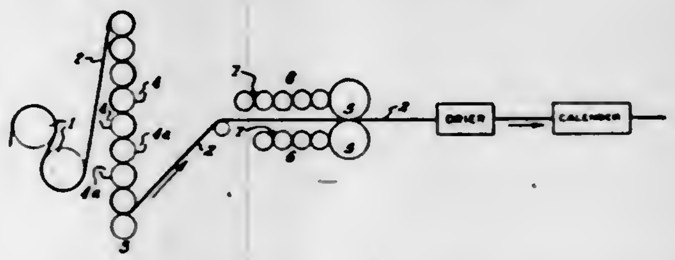


1. A highly directive centimetric antenna array comprising a plurality of linear antenna subarrays arranged in broadside, each subarray comprising a plurality of antenna elements arranged in broadside, and each element comprising an end-on dielectric rod.

10. A microwave scanning multiunit steerable antenna system comprising a translation device and at least four antenna elements arranged in broadside, three wave guide phase shifters each having a phase varying rotor, one element being directly connected to said device, the element adjacent thereto being connected to said device through a first phase shifter, the element adjacent to the last-mentioned element being connected to said device through a second phase shifter, and the remaining element being connected to said device through a third phase shifter and the first phase shifter; means for continuously rotating the rotor of the first shifter at a given velocity and the rotors of the remaining two phase shifters at twice said velocity, whereby the phase differences between the currents in adjacent elements are equal.

2,419,206
CONTROL OF GLOSS IN PRINTING

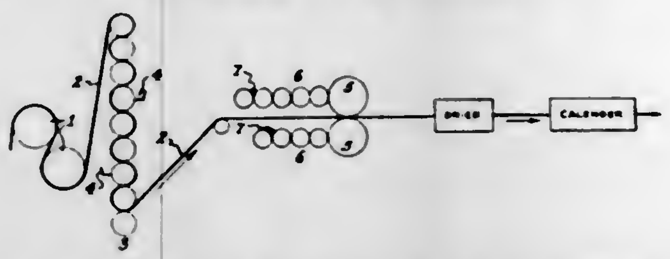
Harry C. Fisher, Cincinnati, Ohio, assignor, by mesne assignments, to Consolidated Water Power & Paper Company, Wisconsin Rapids, Wis., a corporation of Wisconsin
Application August 8, 1941, Serial No. 406,073
12 Claims. (Cl. 117—60)



1. The process for producing a coated surface on paper webs which will give a mat imprint when subsequently printed with non-aqueous base inks, which consists in applying a water wetting and penetrating agent to the surface of the web and then coating the web by printing it with a mineral coating in an aqueous vehicle and then drying the said coating.

2,419,207
METHOD OF PRODUCTION OF COATED BOARD AND PAPER

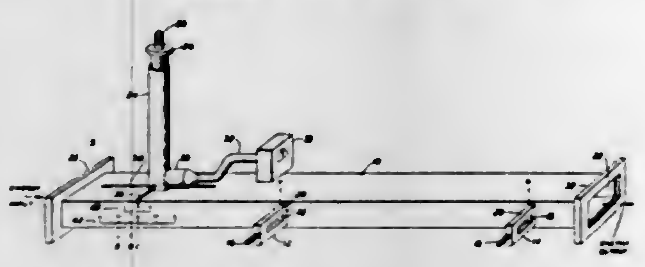
Harry C. Fisher, Cincinnati, Ohio, assignor, by mesne assignments, to Consolidated Water Power & Paper Company, Wisconsin Rapids, Wis., a corporation of Wisconsin
Application September 4, 1943, Serial No. 501,320
24 Claims. (Cl. 117—60)



1. A process for treating of paper which consists in applying an aqueous polyvinyl alcohol solution to the surface of a web thereof, passing the same through rolls to plastically smooth the resulting surface, and then while retaining the dampened condition of the web surface, imprinting onto the web a mineral coating in an aqueous vehicle and finally drying and calendering the coated product.

2,419,208
ULTRA HIGH FREQUENCY WAVE METER

Glenn R. Frantz, Port Washington, N. Y., and Allen F. Pomeroy, Bernardsville, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 10, 1943, Serial No. 494,176
6 Claims. (Cl. 250—39)

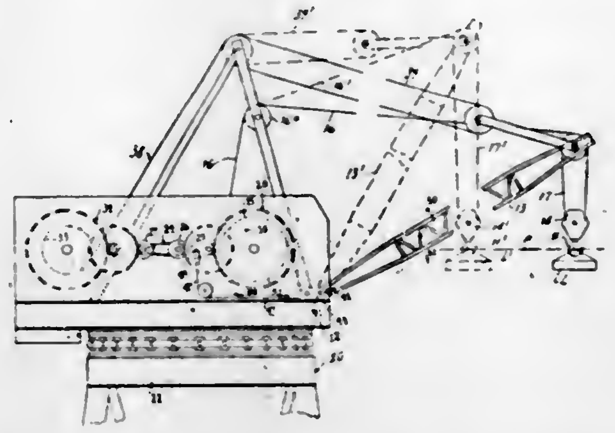


6. A wave energy frequency measuring device comprising a uniform transmitting path for said wave energy a large number of wavelengths long, means for establishing a standing wave of said wave energy in said path, a first means for measuring a few half wavelengths of said standing wave, a second means for measuring a large number of wavelengths of said standing wave, a third means, cooperatively associated with said first means, for directly indicating the approximate proper adjustment of said second means and a fourth means cooperatively associated with said second means for directly reading the frequency of said wave with a high degree of accuracy.

2,419,209
VARIABLE TRANSMISSION LEVEL LUFFING DEVICE FOR DERRICKS AND JIB CRANES

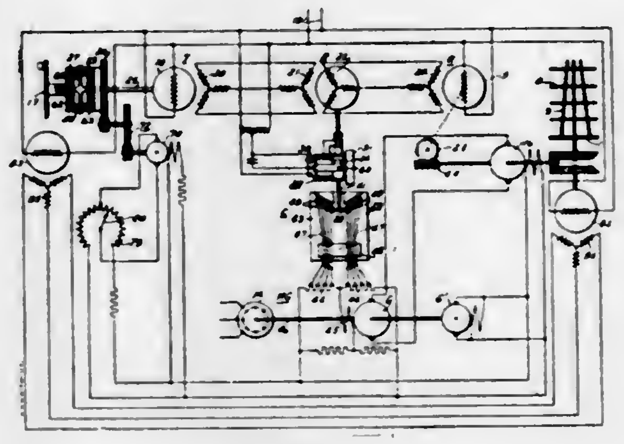
Robert Goodman and Henry J. Jacoby, New York, N. Y.
Application August 11, 1944, Serial No. 549,006
13 Claims. (Cl. 212—8)

1. In a crane, or the like, having an upwardly and downwardly swingable boom on which the load is suspended, a hoisting drum with a hoist cable whereby to raise or lower the load, and a luffing drum to raise or lower the boom, in combination therewith, a changeable driving interconnection between the hoisting drum and the luffing drum, and means controlled by the boom, adapted to continuously influence said interconnection to alter the ratios of rotations between the two drums to desired amounts whereby upon an upward luffing operation said hoisting drum always will play out an amount of hoisting cable calculated to prevent any raising of the load, and vice versa, upon a downward luffing, said hoisting drum always will take up sufficient hoisting cable substantially to prevent a lowering of the load.



2,419,210
POSITION REGULATOR

Clinton R. Hanna, Pittsburgh, Pa., and Edward R. Wolfert, Springfield, Mass., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 31, 1943, Serial No. 481,190
10 Claims. (Cl. 172—239)



9. In a drive for directional antennae, in combination, a directional antenna, a rotatable support for said antenna, an electric motor for rotating said support, a control element, a differential synchro-tie system comprising transmitter elements connected to said control element and to said antenna support and a differential element electrically connected to said transmitter elements and including an output member movable angularly in response to angular disagreement of the transmitters, a gyroscope having first and second axes which are transverse to each other and to the spin axis, means for connecting the output member to the gyroscope to move the latter angularly about the first axis to develop torque about the second axis, and means for controlling the motor in response to torque of the gyro about the second axis to drive the rotatable support and antenna so as to minimize positional disagreement between the latter and said control element.

2,419,211
TALL OIL TREATMENT

George C. Harris, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 25, 1945, Serial No. 595,887

9 Claims. (Cl. 260—97.5)

1. The method of separating the resin acids from tall oil which comprises dissolving tall oil in an organic solvent selected from the group consisting of acetone, isopropanol, Hi-Flash naphtha and gasoline, and precipitating the resin acids from the resulting solution at a temperature between about −10° C. and about 50° C. with a primary organic amine selected from the group consisting of cyclohexylamine, p-dodecahydroxyenylamine and 2-amino-2-methyl-1-propanol.

2,419,212
REFORMED HYDROCARBON WOOD PRESERVING IMPREGNANT

Jacquelin E. Harvey, Jr., Washington, D. C., and Robert H. White, Jr., and Joseph A. Vaughan, Atlanta, Ga., assignors of one-half to said Harvey and one-half to Southern Wood Preserving Company, East Point, Ga., a corporation of Georgia

No Drawing. Application October 7, 1944, Serial No. 557,727

2 Claims. (Cl. 196—149)

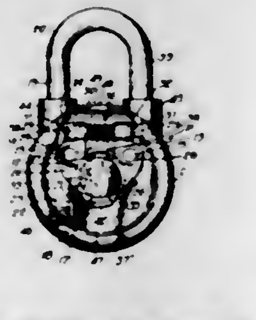
1. As a wood preserving impregnant a reformed petroleum oil boiling preponderantly between 210–355° C., characterized by at least 70% of materials of ring structure content and at least about 15–20% of residue above 315° C., the fraction 315–355° C. of which has a specific gravity falling between the limits of about 1.1175–1.3888.

2,419,213
PADLOCK

John Hines, South Norwalk, Conn., assignor to Norwalk Lock Company, New York, N. Y., a corporation of Connecticut

Application February 14, 1945, Serial No. 577,858

12 Claims. (Cl. 70—38)



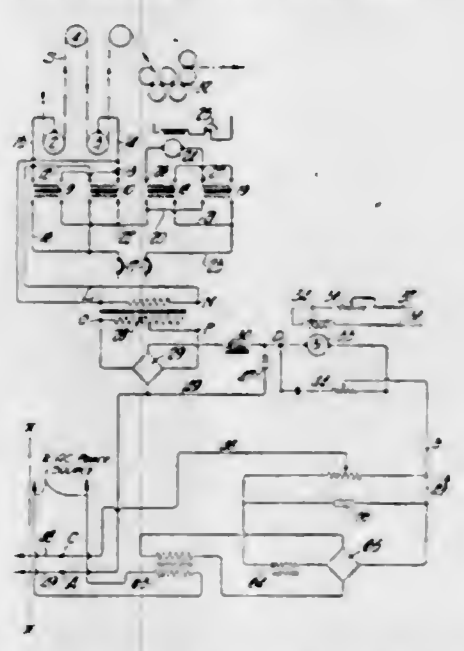
1. In a padlock, a hollow casing having a bearing, a hollow boss within said casing and integral therewith, key controlled means rotatably guided by said bearing and having tumbler means for removably interlocking with said bearing, socket means interrupting said boss and communicating therewith, a pair of spaced nipples extending from said casing, a shackle having a relatively short leg slidably guided by one of said nipples and having a relatively long leg rotatably and slidably guided by the other nipple of said pair, pin means at least in part disposed in said socket means and said boss, bolt means pivotally mounted on said pin means and having means actuated by said key controlled means, said legs having keeper means, and means extending from said bolt means for interlocking with said keeper means.

2,419,214
MEANS FOR AUTOMATICALLY CONTROLLING THE MELTING OF COATING ON CONTINUOUS METALLIC STRIP

Robert W. Holman, Gerald R. Myers, and George H. Rendel, Gary, Ind., assignors to Carnegie-Illinois Steel Corporation, a corporation of New Jersey

Application August 6, 1943, Serial No. 497,690

11 Claims. (Cl. 219—11)



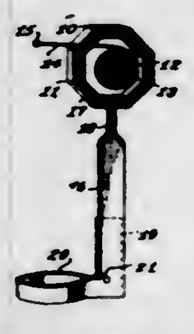
1. In combination with a conductor roll for supplying current to a continuous metallic strip as it passes thereover, means for driving the strip so as to pull the same over the conductor roll, a transformer for supplying current to said conductor roll and the strip, means for controlling the power output of said transformer including a generator, a motor-controlled rheostat for controlling the power input to said generator whereby the voltage input to the conductor roll and the strip by said transformer may be varied, means for controlling the energization of the motor of said motor-controlled rheostat, and means responsive to the speed of said strip for controlling automatically the last named means whereby the voltage input to the conductor roll and the strip is adjusted automatically for the variations in speed and the cross-sectional area thereof.

2,419,215
AUTOMATIC RETRIEVER APPLIANCE FOR OPERATING UTENSILS SUCH AS ERASERS, PENS, PENCILS, AND THE LIKE

Otto Hoppman, Oak Park, Ill.

Application August 14, 1943, Serial No. 498,710

7 Claims. (Cl. 120—36)



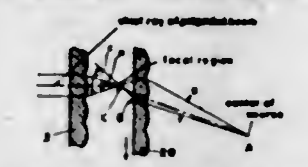
5. A reel holding bracket comprising, in combination, a cup-shaped casing having a plurality of flat sides, a reel holder having corresponding flat sides adapted for positioning in said casing, and yielding means permitting unwinding and rewinding of the reel, said flat sides preventing creeping of the reel holder.

2,419,216
ILLUMINATED DISPLAY DEVICE HAVING ANIMATION EFFECTS

Fred Hotchner, Los Angeles, Calif.

Application February 2, 1942, Serial No. 429,299

11 Claims. (Cl. 40—130)



1. A device for simulating motion in a design by the various movements of light areas thereover, comprising in combination: a plurality of elongated illuminants in bank formation extending over the display area over which the motion effect is to appear, a refractor movable in front of the same at substantially constant spacing therefrom having a plurality of elongated lenses in bank formation extending generally in the direction of said illuminants and evenly spaced in the transverse direction thereof, said refractor being projective of a bank of elongated images of said illuminants, a stationary refractor positioned in front of said movable refractor having a series of elongated lenses in bank formation extending generally in the direction of said illuminants and spaced in an orderly fashion crosswise thereof, the lenses of the last said refractor being conformed and spaced to focus on said images and project therefrom to the field of view elemental beams of light which are of narrow divergence in the dimension thereof transverse of said illuminants, the lenses of the last said refractor being variously slanted to the lenses of the first said refractor from region to region over the display area thereof in accordance with the desired movements of light areas over said design, and means to transverse said movable refractor to move the lenses thereof across the lenses of the stationary refractor while maintaining the optical spacing between the refractors above specified.

6. A device for simulating motion in a design by the various movements of light areas thereover, comprising in combination: a light source and a pair of refractors positioned one in front of the other in front of said source together with means to traverse, in optical effect, one of said refractors across the other along a given direction line while maintaining the optical spacing between the same below specified; each of said refractors having a series of elongated lenses extending in bank formation crosswise of said direction line and spaced in an orderly fashion therealong, the lenses of the rearward one of said refractors being conformed to project a series of elongated images of said source, the lenses of the forward one of said refractors being so conformed and so spaced as to focus on said images and project therefrom to the field of view elemental beams of light which are of narrow divergence in that dimension of their cross section paralleling said direction line, whereby the elemental beams thus projected converge to real compounded images of said source or diverge from virtual compounded images of said source, said compounded images moving in representation of the desired motion effect at different rates from place to place over the display surface.

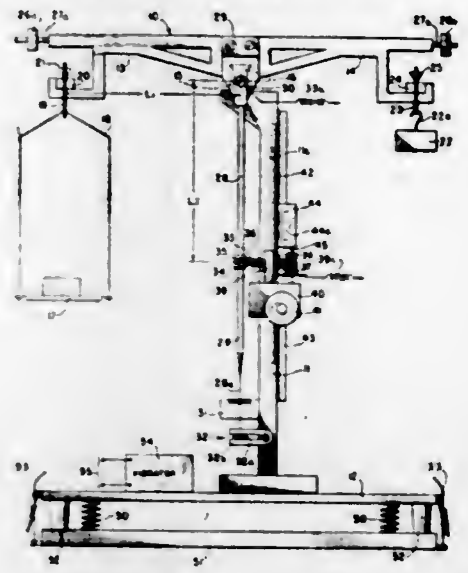
2,419,217
WEIGHING APPARATUS

Hans D. Isenberg, Wilmette, Ill.

Application March 22, 1945, Serial No. 584,147

15 Claims. (Cl. 265—27)

1. Weighing apparatus comprising mass supporting means, a pair of electrically conductive contacts having a contact resistance when engaged which is a predetermined function of the magnitude of the contact pressure therebetween, means for producing a contact pressure between said contacts which is related to the weight of a mass carried by said supporting means, and electrical means controlled in accordance with the contact resistance of said contacts for producing an effect representative of the weight of the mass carried by said supporting means.

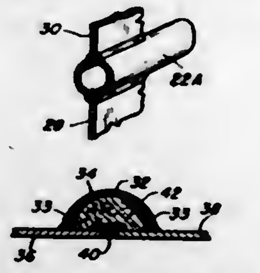


2,419,218
CONSTRUCTION OF METAL VESSELS

Newman C. Jannsen, Seattle, Wash.

Application March 29, 1943, Serial No. 480,897

1 Claim. (Cl. 114—79)



A ship, comprising: a plurality of plate sections disjoined transversely and longitudinally of the vessel, open U-shaped troughs arranged transversely between said plate sections to join together the transverse edges of said sections by welding an edge of one section to one leg of the trough and an opposed edge of the adjacent section to the opposed leg of said trough, said trough being placed interiorly of the said ship and directed outwardly thereof, and a tubular member arranged longitudinally of said ship between opposed longitudinal edges of adjacent strake sections and having opposite sides thereof welded therealong to the opposed edges of said adjacent strake sections.

2,419,219
PHASE RESPONSIVE CIRCUITS

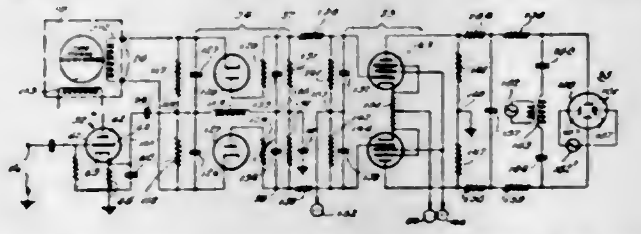
Charles W. Johnstone, Garden City, N. Y., assignor to Sperry Gyroscope Company, Inc., a corporation of New York

Application May 25, 1943, Serial No. 488,379

20 Claims. (Cl. 172—245)

1. A phase detector comprising a reference voltage source, a pair of diodes connected in series opposition to said source with a pair of resistors connected in series between the diodes, the resistors having a junction terminal serving as a first input terminal, a second pair of resistors connected across the reference voltage source with

a junction terminal serving as a second input terminal, an impedance connected between said junction terminals, and connections for supplying to said junction terminals a voltage the phase of which is to be compared with that of the voltage delivered by said reference voltage source.



2,419,220

DERIVATIVES OF 3-HYDROXY CHOLANIC ACID AND METHODS OF MAKING THEM

Edward C. Kendall, Rochester, Minn., assignor to Research Corporation, New York, N. Y., a corporation of New York

Original application November 28, 1941, Serial No. 420,846. Divided and this application November 23, 1942, Serial No. 466,611

7 Claims. (Cl. 260—397.1)

4. A compound of the group consisting of 3-hydroxy-Δ-11,12-cholenic acid and alkyl and aryl esters of the carboxyl group thereof.

2,419,221

COPOLYMERS OF 2-HALOGENO-ALLYL ALCOHOL OR 2-HALOGENO-ALLYL ESTERS

William O. Kenyon and John H. Van Campen, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application May 11, 1942, Serial No. 442,453

1 Claim. (Cl. 260—84)

A copolymer of 2-chloro-allyl acetate and acrylic acid containing 13.67 per cent of chlorine.

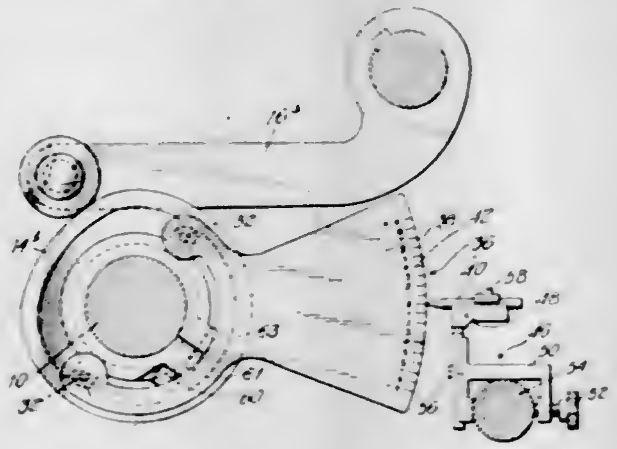
2,419,222

KNITTING MACHINE

Fritz Lambach, Tenafly, N. J.

Application November 2, 1944, Serial No. 561,529

25 Claims. (Cl. 66—1)



1. A knitting machine with cams or the like for temporary connection with the movable gauge member of a cam position indicator, comprising: at least one cam shaft, a plurality of cams for the actuation of various mechanisms of the knitting machine, said cams being adjustably mounted on said shaft for the timing of the operations of said mechanisms relative to each other, and at least one engaging means arranged on each cam at a point from which the contour of the cam is located during the manufacture thereof whereby said engaging means is arranged in a predetermined position relative to the contour of the cam for a temporary positive coupling of the movable gauge member of the cam position indicator with the cam in a predetermined position relative to the contour of the cam.

2,419,223

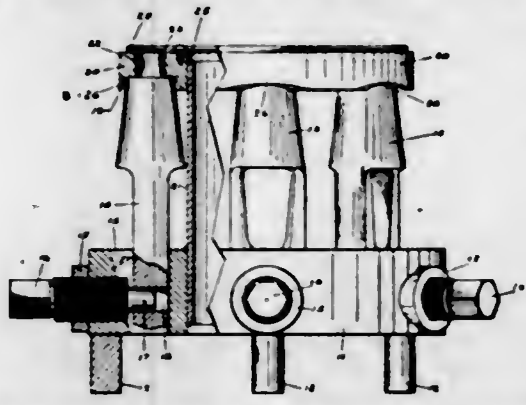
DRILLING JIG

Arthur Mettrick, Bellmore, and David Hook, New York, N. Y.

Application January 8, 1946, Serial No. 639,877

4 Claims. (Cl. 77—62)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A jig comprising a ring-shaped body portion, a plurality of vertical slots extending thru said body portion, a plurality of bolts extending inwardly thru said body portion into each of said slots, each of said bolts having a tapered pin on the inner end, an upper ring supported above said body portion, a plurality of circular recesses in the lower surface of said upper ring aligned with said slots, and a plurality of bores extending upwardly from the center of each of said recesses.

2,419,224

SEALING COMPOSITION

Paul W. Millelot, Jr., Maywood, Ill., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application December 10, 1943, Serial No. 513,719

6 Claims. (Cl. 106—172)

1. A sealing composition for the lining of the joints of food containers and for similar purposes, which comprises in combination, a homogeneous mixture of ethyl cellulose in proportions of substantially 30 to 40 percent, a vegetable oil of the class consisting of castor oil and soy bean oil as a plasticizer in proportions of substantially 15 to 30 percent, a hydrogenated rosin as a resin extender in proportions of substantially 15 to 30 percent and a finely divided inert filler of not over 20 percent, said proportions being percentages by weight of said solid ingredients, said ingredients being dissolved and dispersed to proper lining viscosity by a non-toxic low boiling solvent.

2,419,225

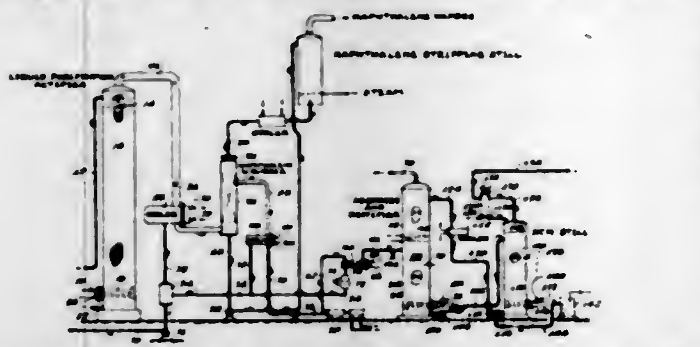
HYDROGEN CYANIDE RECOVERY

John Mitchell, William H. Hill, and Herbert A. Gollmar, Pittsburgh, Pa., assignors, by mesne assignments, to Koppers Company, Inc., a corporation of Delaware

Application October 14, 1942, Serial No. 462,046

7 Claims. (Cl. 23—151)

1. A process for recovering HCN substantially free from H_2S from fuel gas comprising, absorbing HCN and H_2S from fuel gas by means of an aqueous scrubbing liquid; stripping HCN and H_2S therefrom and passing the stripped gases to a selective absorbing zone; supplying an absorbent liquid to said zone to absorb substantially all the HCN and at most a small amount of H_2S; rectifying the absorbent solution containing dissolved gases while acidified with an auxiliary acidic medium to maintain a pH in the range of 2.2 to 5.5, and returning overhead vapors containing substantially all the incidentally absorbed H_2S and at most a minor quantity of HCN to the selective absorption zone; withdrawing absorbing liquid containing HCN from the rectification; distilling HCN therefrom; and returning the acidified absorbent to the absorption step.



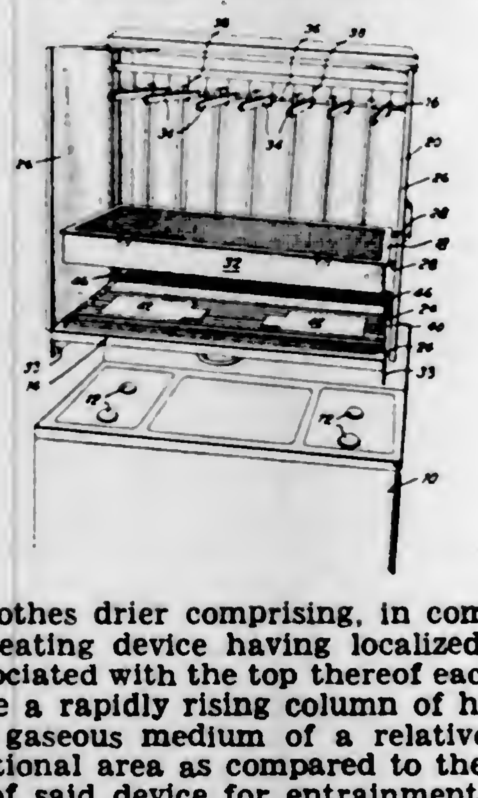
2,419,226

CLOTHES DRIER WITH COLLAPSIBLE SUPPORTS

Alva L. Palmer, Bayside, N. Y.

Application September 27, 1941, Serial No. 412,613

10 Claims. (Cl. 34—197)



1. A clothes drier comprising, in combination with a heating device having localized heating units associated with the top thereof each adapted to give a rapidly rising column of high temperature gaseous medium of a relatively small cross-sectional area as compared to the area of the top of said device for entrainment of relatively large quantities of room air, of a concealing cabinet supported at the back of said device with the front thereof located behind a vertical plane substantially to the rear of said units, door means for closing the front of said cabinet, a perforated baffle of appreciable area positioned substantially horizontally at an appreciable distance above said units and covering the same to give in operation a substantially uniform flow of gaseous medium including entrained air substantially throughout the area defined by said baffle thereabove, means removably supporting said baffle in such position above said units, exposed clothes-supports positioned above said baffle defining together with said baffle the cross section of a column of space extending upwardly from said baffle past said supports in front of said cabinet, the column of space between said baffle and said clothes-supports on at least two opposed sides thereof being substantially free of definition by any wall structure and having substantially free communication with room air on at least those two opposed sides for free entrainment thereof and the column of space above said clothes-support being substantially completely unobstructed, and means removably supporting said clothes-supports from said cabinet in such positions above said baffle while permitting them to be folded up into said cabinet for concealment behind said door means when not in use.

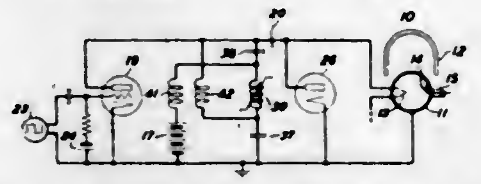
2,419,227

PULSE GENERATOR

Eugene Peterson, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application November 17, 1943, Serial No. 510,643

8 Claims. (Cl. 171—97)



8. In an impulse generator, a source of direct current, a capacitor, a first inductor having a readily saturable core, circuit connections for discharging said capacitor through said first inductor to the load, a second inductor, switching means for intermittently establishing a flow of current from said source through both said inductors, the current to said first inductor being in such a sense that the core is polarized in the same sense as by the discharge of said capacitor, and connections for charging said capacitor by the surge developed upon the interruption of said flow of current.

2,419,228

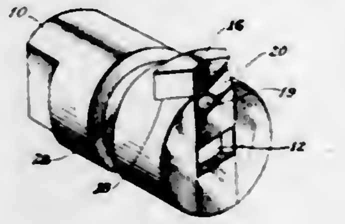
NOZZLE

Antonio S. Pitre, United States Navy, and Fred G. Cowen, Vallejo, and John N. Pouget, Napa, Calif.

Application August 7, 1943, Serial No. 497,774

2 Claims. (Cl. 299—132)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



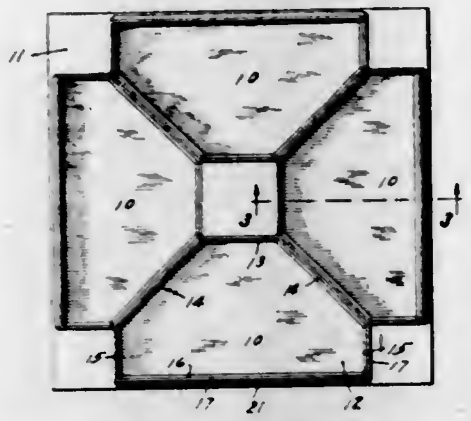
1. A nozzle comprising a block having a passage therethrough and a pair of opposite outwardly converging surfaces constricting said passage, means providing a second pair of opposite outwardly converging surfaces constricting said passage and including a slidable gate member providing one of said second pair of surfaces, said gate member having angular side surfaces complementary to and engaging said first mentioned pair of outwardly converging surfaces and slidably guided thereby, said converging guide surfaces having linear outer edges in a plane perpendicular to the direction of flow and constricting the flow through said passage when said

gate member is in other than closed position, said gate member being slidable in substantially flush relationship with the face of the block and having a straight edge cooperating with a straight edge of the block to provide a variable dispensing slit or opening, and means for sliding said slidable gate member in said block to adjust said dispensing slit to form a fan-shaped spray and to provide positive control of the length, breadth, and shape of said spray.

2,419,229

CAFETERIA TRAY

Carl G. Preis, Forest Hills, N. Y.
Application July 6, 1944, Serial No. 543,621
2 Claims. (Cl. 65—53)



1. A shallow cafeteria tray comprising a flat bottom merging into and surrounded by six straight upwardly and outwardly inclined connected walls of substantially uniform height, said walls consisting of an elongated front wall and a short parallel rear wall interconnected by a pair of short parallel side walls extending rearwardly from opposite ends of said front wall and a pair of oppositely inclined intermediate walls connecting said side walls with opposite ends of said short rear wall, each of said short side walls terminating at its upper end in a horizontal outwardly extending flange constituting a hand grip, and a support rail extending downwardly and outwardly from said elongated front wall to prevent forward tipping of the tray when in use, the described arrangement of said tray walls and said side wall hand grip flanges facilitating assembly of a plurality of such trays on a flat surface together with the manipulation of a given tray in the assembly without contact or interference of its side wall hand grip flanges with the hand grip flanges of the other trays.

2,419,230

THERAPEUTIC COMPOSITIONS AND METHOD OF PREPARING SAME

Simon L. Ruskin, New York, N. Y., assignor to Frances R. Ruskin
No Drawing. Application September 7, 1942, Serial No. 457,598
10 Claims. (Cl. 260—239.6)

1. Method of preparing sulfanilyl-ethanolamide ascorbate which comprises heating sulfanilyl-ethanolamide with ascorbic acid in dry methyl alcohol, adding thereto an organic solvent miscible with the alcohol but in which the ascorbate is relatively insoluble and thereafter separating the precipitated ascorbate.

9. The product obtained by the reaction of a sulfanil-N^1-alkylolamide with ascorbic acid in an amount sufficient to react with the hydroxyl of the alkylol group and to add a molecule of ascorbic acid at the para-amino group.

2,419,231

ELECTROPLATED CORROSION PROOF METAL ARTICLES AND METHOD OF MAKING THE SAME

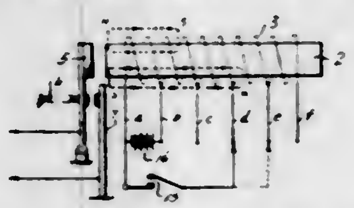
Donald H. Schantz, Coraopolis, Pa., assignor to Standard Steel Spring Company, Coraopolis, Pa., a corporation of Pennsylvania
No Drawing. Application December 21, 1940, Serial No. 371,100
9 Claims. (Cl. 29—191.6)

1. The method of plating articles with a nickel-zinc alloy which includes making the articles cathode in an electrolyte, having a pH between about 1 and about 3, in which nickel chloride and zinc salt of the group consisting of zinc sulphate and zinc chloride have been dissolved in sufficient amounts to give, to each gallon of the electrolyte, a metal zinc content of about 7 to 9 ounces and a nickel metal content of about 7 to 8 ounces, and passing a current having a density of 100 to 700 amperes to the square foot of cathode surface through the electrolyte to the articles.

2,419,232

TIME PULSING RELAY DEVICE

Louis A. Scholz, Dayton, Ohio
Application February 19, 1945, Serial No. 578,753
8 Claims. (Cl. 177—380)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

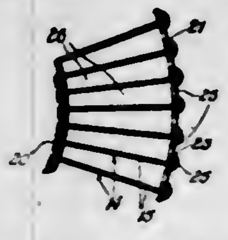


1. In a time pulsing relay, an electromagnet comprising a holding coil and a bucking coil, an armature magnetically cooperative with said electromagnet and biased away therefrom, means for impressing an E. M. F. on said holding coil for energization thereof to magnetically attract said armature toward said electromagnet, means for energizing said bucking coil whereby said holding coil has an opposing E. M. F. transitorily induced therein operative to release said armature, energization of said bucking coil being operative to reattract said armature after a time interval from the instant of release, said time interval being predetermined by the inductance ratio between said holding coil and said bucking coil, and switch means operative by the release and return of said armature to pulse an associated circuit during said time interval.

2,419,233

COOLING UNIT

Donald L. Spender, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application March 11, 1944, Serial No. 526,111
11 Claims. (Cl. 257—263)

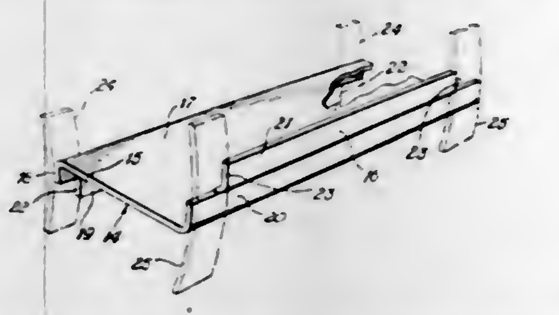


1. A cooling unit for electric discharge devices of the class described, said unit comprising a plurality of similar blades, each blade having an offset flange at side portions thereof, the flange of common sides of the blades overlapping and interfitting one with the other to form inner and outer tubular wall portions on said unit, the blades having body portions extending radially between and spacing said inner and outer wall portions, said blades forming spaced circulating passages extending longitudinally through said unit, and at least one of said wall portions having circumferentially spaced apertures to provide circulation from said passages through said wall portion.

2,419,234

COOLING UNIT

Irving T. Holihan, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application March 11, 1944, Serial No. 526,112
7 Claims. (Cl. 257—263)

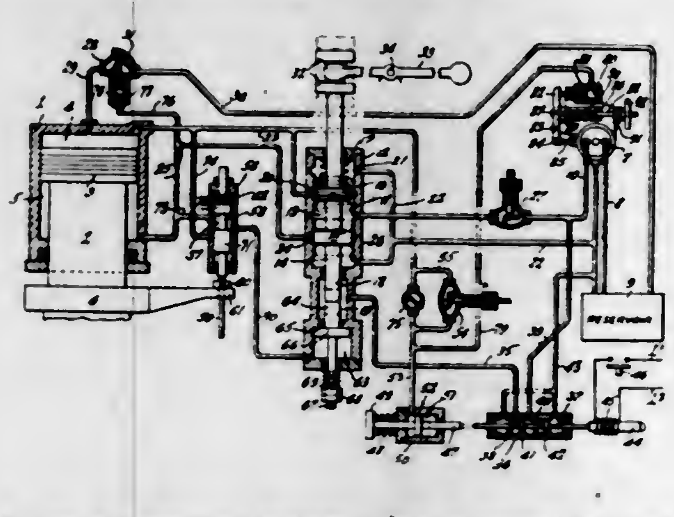


1. A cooling unit for electric discharge devices of the class described, said unit comprising a plurality of similar blades, each blade having an offset flange at side portions thereof, the flange of common sides of the blades overlapping and interfitting one with the other to form inner and outer tubular wall portions on said unit, the blades having body portions extending radially between and spacing said inner and outer wall portions, said blades forming spaced circulating passages extending longitudinally through said unit, the offset portions of the flanges at both sides of each blade having recesses at the ends of each blade, forming on the resulting inner and outer tubular wall portions circumferential recesses, and rings mounted in said recesses in supporting the blades in assembled relationship.

2,419,235

CONTROL SYSTEM FOR HYDRAULIC MOTORS

Thomas F. Stacy, Piqua, Ohio, assignor to The French Oil Mill Machinery Company, Piqua, Ohio
Application May 20, 1942, Serial No. 443,766
5 Claims. (Cl. 60—52)

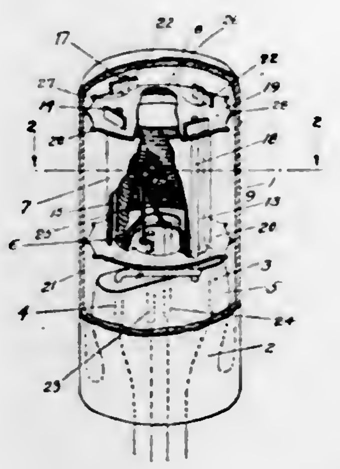


5. In a control system for a hydraulic motor of the type having a working member and advancing and retracting cylinders in which said member moves, means for delivering fluid under pressure alternately to each of said cylinders and releasing pressure from the other cylinder to determine the direction of travel of said member, the improved control for said delivering means which comprises a pilot valve, a source of operating fluid connected to said pilot valve, a hydraulic motor for operating said delivering means and in turn operated by fluid from said source and controlled by said pilot valve to determine the direction of travel of said member, means for causing movement of said pilot valve in one direction, a resiliently retracted, fluid operated device for moving said pilot valve in the other direction, a pipe connected to said delivering means and responsive to the fluid pressure urging said member in one direction and connected to and operating said fluid operated device, a pressure relief valve in series in said pipe for passing fluid to said device only when a selected pressure is reached that is greater than is necessary to move said device away from retracted position, and means connected to said pipe between said pressure relief valve and said fluid operated device for modifying said delivering means to cause a decreased rate of delivery upon opening of said relief valve until the pressure on said working member which opened said relief valve has fallen to a selected extent.

2,419,236

ELECTRICAL GASEOUS DISCHARGE DEVICE HAVING CONSTANT STARTING CHARACTERISTICS

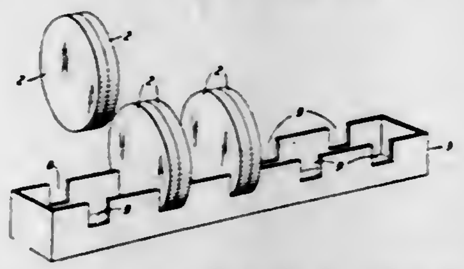
Paul W. Stutsman, Needham, Mass., assignor, by mesne assignments, to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application June 8, 1943, Serial No. 490,094
6 Claims. (Cl. 250—27.5)



1. An electric gaseous discharge device comprising a sealed envelope containing a gaseous atmosphere, an anode, and a cathode forming with said anode a gap of substantially a constant distance between any point on the active surface thereof and the nearest point on said anode, said constant distance being not less than the minimum starting potential distance, said cathode having its active area spaced from its ends or edges, providing an inactive area extending for a sufficient distance from said active area to provide an extension of the electrostatic field beyond said active area, whereby the field adjacent said edges is the same as the field between said anode and said active surface at points remote from said edges, and gaseous discharges along paths greater than said constant distance are prevented.

2,419,237
TRANSLATING MATERIAL AND DEVICE AND METHOD OF MAKING THEM

Robert G. Treuting, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 18, 1945, Serial No. 573,414
9 Claims. (Cl. 250—31)



1. The method of making a translating element for electric waves of high frequency which comprises forming a crystalline body of high-purity silicon having definite predetermined electrical characteristics, and subjecting said body to a plurality of separate and successive heat treatments to form in the surface thereof a thin layer having electrical characteristics which differ from those of the remaining part of said body.

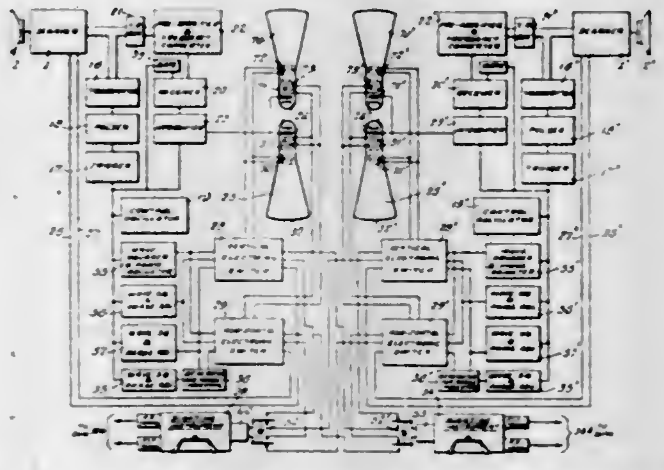
2,419,238
BLOWN WRINKLE VARNISH

William A. Waldie, Oakwood, Ohio, assignor to New Wrinkle, Inc., Wilmington, Del., a corporation of Delaware
No Drawing. Original application December 22, 1941, Serial No. 424,010, now Patent No. 2,373,212, dated April 10, 1945. Divided and this application January 6, 1944, Serial No. 517,232
2 Claims. (Cl. 260—19)

1. The method of making wrinkle varnish base which consists in heating unblown dehydrated castor oil and oil-soluble rosin-modified phenol-formaldehyde resin to approximately 580° F., discontinuing the heating, adding more unblown dehydrated castor oil and heating to approximately 400° F. and then holding the temperature at between 375 and 400° F. while blowing air through the mixture until a predetermined desired viscosity is obtained.

2,419,239
FIRE CONTROL SYSTEM

Gifford E. White, Hempstead, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application January 8, 1943, Serial No. 471,780
25 Claims. (Cl. 250—1)



1. A fire control system comprising an object detecting device for scanning a predetermined portion of space, a cathode ray tube having a screen representing said portion of space, means actuated by said device for causing the cathode ray beam of said tube to produce an indication on said screen corresponding to the orientation of an object in said portion of space, a sighting instrument for aiming a gun at an object located in said portion of space, and means for causing the cathode ray beam of said tube to produce an indication of the position of said instrument relative to said portion of space.

2,419,240
TREATING IRON SALT SOLUTIONS

Howard R. Wilson, Lakewood, Ohio, assignor to National Carbon Company, Inc., a corporation of New York
No Drawing. Application January 7, 1944, Serial No. 517,467
7 Claims. (Cl. 23—119)

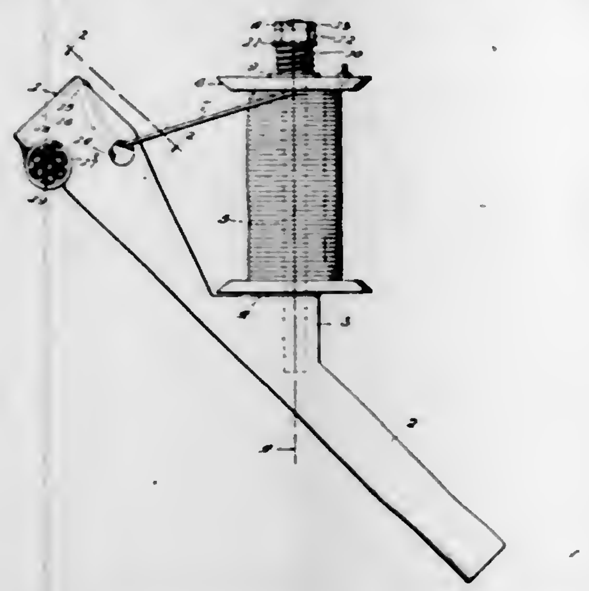
1. A process of obtaining a black granular iron hydrate and an ammonium salt substantially free from iron, directly from ammonia and an iron salt, which comprises: providing an aqueous ammonia bath; introducing an aqueous solution of the iron salt into the bath and dispersing it in the bath as soon as introduced; maintaining in the bath sufficient ammonia to maintain the pH of the bath at a value greater than 7; so as to produce directly in the bath a solution of the ammonium salt corresponding to the acid radical of the iron salt and a granular precipitate of black iron hydrate; maintaining the dilution of the ammonium salt so high and introducing the iron salt into the bath so slowly that substantially no iron exists in soluble form in the bath; and separating said precipitate from the solution of the ammonium salt.

7. A process of obtaining a black granular iron hydrate and ammonium sulfate substantially free from iron, directly from ammonia and an iron sulfate containing ferrous sulfate, which comprises: providing an aqueous ammonia bath; introducing an aqueous solution of the iron sulfate into the bath and dispersing it in the bath as soon as introduced; maintaining in the bath sufficient ammonia to maintain the pH of the bath at a value greater than 7; aerating the bath to oxidize ferrous iron to ferric iron and maintain two-thirds of the iron in the ferric state; maintaining the bath at a temperature between about 75° C. and 100° C.; so as to produce directly in the bath a solution of ammonium sulfate and a granular precipitate of black iron hydrate; maintaining the dilution of the ammonium salt so high and introducing the iron salt into the bath so slowly that substantially no iron exists in soluble form in the bath; and separating said precipitate from the solution of the ammonium sulfate.

2,419,241
ONE-MAN OPERATED COMBINATION WIRE AND MARLINE SERVING MALLET

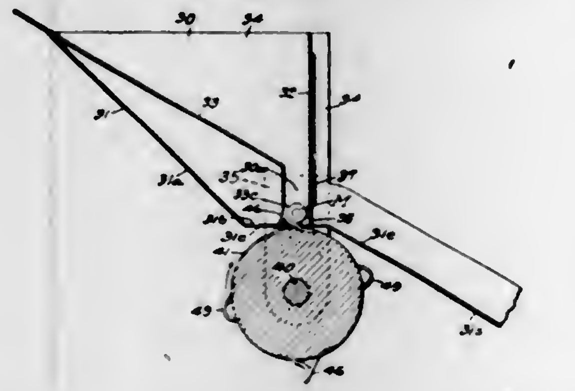
James Craig Wingate, Jacksonville, Fla.
Application June 15, 1945, Serial No. 599,694
4 Claims. (Cl. 57—10)

1. A combined wire and marline serving mallet comprising a one piece head and handle, an offset shoulder formed intermediate said head and the end of said handle, a wire supply spool supported on said offset shoulder, said head having a wire guide opening formed through its side at approximately right angles to the middle of the length of said wire supply spool and terminating on the upper surface of said head, a work engaging channel formed transversely of said head on its lower surface, and connecting wire guide grooves extending from said last mentioned guide opening across the top, end and bottom of said head to said work engaging channel.



2,419,242
CARTRIDGE FEEDER AND ORIENTER

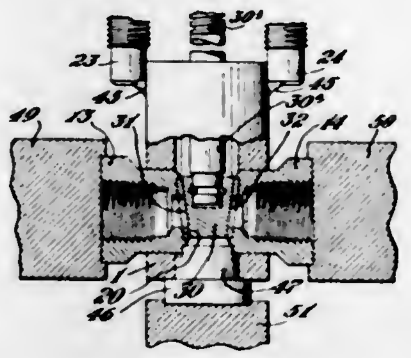
John H. Woodberry and Frederick W. Hoewischer, Metuchen, N. J.
Application January 1, 1943, Serial No. 471,063
11 Claims. (Cl. 193—43)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



7. In an orienting device for identical elongated articles having opposite large and small ends, a hopper having a discharge mouth of a width equal to the individual length of the articles and including upwardly extending front and back plates convergent downwardly toward said mouth, an article support plate constituting the lower side of said mouth and extending outwardly thereof arranged to support an article at the bottom of the hopper and while it is moved translatively through said mouth outward of said mouth in article receiving relation to said mouth, a rotary shaft having an ejector fixed therewith projected a distance radially of the shaft, said shaft being mounted on an axis in such relation to said mouth that the ejector moves through the hopper and mouth in a path to which the path of articles translated through the mouth on said plate is approximately tangent at the mouth so as to engage the lowermost article in the hopper and translate the same through said mouth, and means including cam-like members carried by the shaft positioned to move likewise through the hopper and said mouth to raise articles in the hopper other than such as may be engaged by the ejector, said plates being slotted for clear movement of the ejector and cam-like means through the hopper, means yieldable to articles propelled by said ejector to retain articles from egress otherwise at said mouth and means operatively associated with the ejector to retard the large end of an ejected article.

2,419,243
METHOD OF MAKING VALVES

Earle F. Allen, Wellesley Hills, and Lewis M. Burrows, North Quincy, Mass., assignors to Manning, Maxwell & Moore, Incorporated, New York, N. Y., a corporation of New Jersey
Application August 24, 1944, Serial No. 550,966
4 Claims. (Cl. 29—157.1)



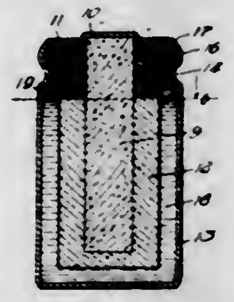
2. That method of making a valve having a body defining a valve chamber which comprises as steps forming, from a solid length of bar stock, a block having intersecting longitudinal and transverse bores which extend completely through the block and whose intersection forms the valve chamber, shaping one end portion of the longitudinal bore to a non-circular transverse section and so as to provide longitudinally extending guideways for the valve head, forming a pair of seat plugs from bar stock each having an axial passage and having one end externally shaped to fit into one end respectively of the transverse bore in the block, molecularly uniting an annulus of hard wear-resistant metal to the inner end of each plug, finishing each annulus to form an accurately shaped surface constituting a valve seat, providing each plug with a positioning surface accurately located relatively to its seat surface, providing a spacer shaped to slide in the guideways in the block and having accurately formed seat-engaging surfaces, assembling the block and plugs by inserting the plugs in the opposite ends of the transverse bore respectively, engaging the positioning surface of each plug with gauging means thereby accurately to position the seat surfaces of the plugs, moving the spacer along the guideways until its seat-engaging surfaces engage the seats of the respective plugs, and holding the parts in thus assembled position while uniting the plugs and block by welding.

2,419,244
METHOD OF MANUFACTURING DRY CELLS

Herman R. C. Anthony, Madison, Wis., assignor to Ray-O-Vac Company, a corporation of Wisconsin
Application March 4, 1943, Serial No. 477,917
2 Claims. (Cl. 136—175)

1. The method of making a dry cell which comprises the following steps: placing a metal cap on the upper end of a carbon electrode; molding a top closure of insulating material to the upper portion of said electrode and embracing the side walls of said cap; compressing depolarizing mix

about the lower portion of said electrode to form a bobbin; suspending said bobbin in a zinc can



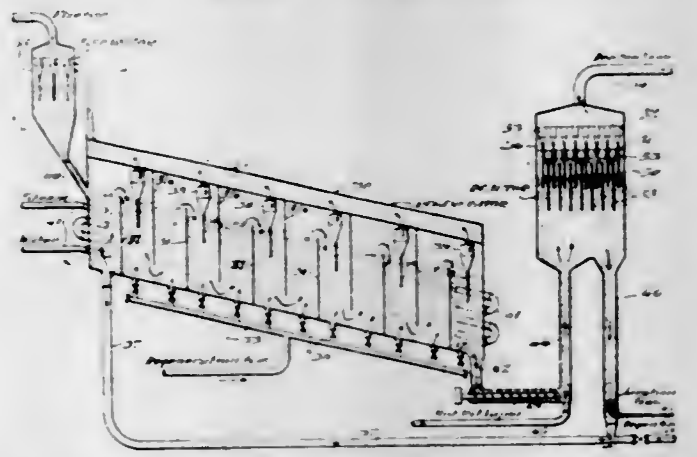
partially filled with electrolyte; and permanently securing said top closure in the top of said can.

2,419,245
REGENERATING CARBON CONTAMINATED CATALYSTS

Maurice H. Arveson, Flossmoor, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application August 25, 1941, Serial No. 408,174

4 Claims. (Cl. 252—242)



1. The process of regenerating spent, finely divided, solid conversion catalyst which has become contaminated with carbonaceous matter which comprises introducing said catalyst into the upper end of an elongated regeneration zone inclined from the horizontal, passing said catalyst over and under a succession of substantially vertical baffles within said regeneration zone, maintaining a succession of short vertical columns of aerated dense phase catalyst between said baffles, introducing an oxygen-containing regeneration gas at the bottom of said catalyst columns, thereby effecting aeration and regeneration of said catalyst by combustion of said carbonaceous matter, controlling the admission of oxygen-containing regeneration gas to said catalyst to avoid overheating the catalyst by too rapid regeneration, discharging said regeneration gases from the space above the catalyst in said columns, and withdrawing regenerated catalyst from the lower end of said inclined regeneration zone.

2,419,246
METHOD OF MAKING LEAD PIGMENTS

Louis E. Barton, Windsor, Conn.

No Drawing. Application April 12, 1943, Serial No. 482,821

8 Claims. (Cl. 23—51)

1. The method of making lead pigments by chemical combination of lead and acidic oxides in the solid phase which comprises intimately blending by milling together metallic lead and compounds which upon heating will supply to the product only oxides which are acidic in relation to lead oxide, during which blending the acidic oxides are reduced in particle size and thoroughly coated with metallic lead and then heating the mixture in an oxidizing atmosphere until the lead is oxidized and the lead oxide chemically combined with the acidic oxides in the solid phase without fusion.

2,419,247
RECOVERY OF HEMIMELLITENE

Stanley Francis Birch and Raymond Arthur Lowry, Sunbury-on-Thames, England, assignors to Anglo-Iranian Oil Company Limited, London, England, a British joint-stock corporation

No Drawing. Application September 30, 1944, Serial No. 556,672. In Great Britain October 19, 1943

7 Claims. (Cl. 260—674)

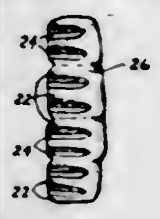
1. In a process for the recovery of hemimellitene (1.2.3-trimethylbenzene) (B. P. 176.1° C.) from a narrow boiling range hydrocarbon oil fraction boiling between 175° C. and 180° C. which is relatively rich in hemimellitene and also contains a small proportion of pseudocumene (1.2.4-trimethylbenzene) (B. P. 169.3° C.) and a proportion of hydrindene (B. P. 178.3° C.) whose presence makes separation of hemimellitene by fractional distillation alone practically impossible, the steps of hydrogenating said narrow boiling range fraction by catalysis to convert the hemimellitene into 1.2.3-trimethylcyclohexane (B. P. 142° C.), the pseudocumene into 1.2.4-trimethylcyclohexane (B. P. 140°–143° C.) and the hydrindene into cis- and trans-bicyclononanes (B. P. 166° and 159° C., respectively); fractionally distilling the hydrogenated product to recover an intermediate fraction boiling between 140° and 145° C. containing only the trimethylcyclohexanes; dehydrogenating said intermediate fraction by catalysis to reconvert the cyclohexanes thereof into the original aromatic hydrocarbons to yield a dehydrogenated product containing only hemimellitene (B. P. 176.1° C.) and pseudocumene (B. P. 169.3° C.) readily separably by fractional distillation; and, fractionally distilling said dehydrogenated product to recover hemimellitene in a pure state.

2,419,248
MEANS AND METHOD FOR FITTING TEETH

Lloyd H. Blanchard, Worcester, Mass.

Application November 28, 1944, Serial No. 565,441

1 Claim. (Cl. 32—8)



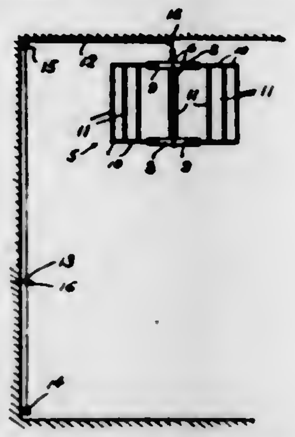
Bite block for prosthetic use comprising an elongated element substantially the length of four contiguous molars, the block having a continuous substantially straight smooth chewing edge along the labial aspect thereof and a plurality of substantially parallel short, spaced, transverse chewing grooves extending from the lingual aspect outwardly toward and terminating at the smooth edge short of the labial aspect of the block, said smooth edge and grooved area together forming the complete chewing surface of the block, said surface being slightly inclined downward and inward from the smooth edge to avoid contact of the grooves with the opposite teeth in the other jaw.

2,419,249
CLOTHES DRYING RACK

Gerald G. Bridges, Indianapolis, Ind.

Application December 26, 1945, Serial No. 637,146

2 Claims. (Cl. 211—117)



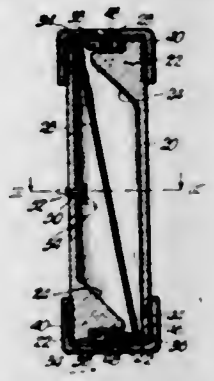
1. A clothes drying rack comprising, a shaft, vertically spaced disks secured to the shaft, bands having holes therein secured around the peripheries of the disks, substantially U-shaped bars having their arms extending through the aforesaid holes of the bands and secured thereto in radial disposition relative to the axis of the shaft, a cable secured to the upper end of the shaft and trained over pulleys on a support, spaced rings secured to the free end portion of the cable, adapted to engage a hook on the support, for vertical adjustment of the rack.

2,419,250
RENEWABLE CARTRIDGE FUSE

Emile P. Brus, Kansas City, Mo.

Application January 18, 1943, Serial No. 472,655

11 Claims. (Cl. 200—131)



1. A renewable fuse of the character described comprising a tubular body of non-conducting material having integral walls partially closing the ends thereof; a fuse link extending through the body; bosses on the ends of the link, said bosses and the end walls of the tubular body having inter-engaging means to prevent rotative movement of the bosses independently of the body, said bosses having screw-threaded perforations on the axis of the tubular body; a cap of conducting material removably mounted on each end of the body having an opening in registry with the perforation in an adjacent boss; and screws extended through said caps and threaded into said bosses.

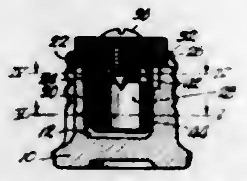
2,419,251
ELECTRIC FUSE

Emile P. Brus, Kansas City, Mo.

Application November 1, 1943, Serial No. 508,537

9 Claims. (Cl. 200—130)

1. An electric fuse of the type specified comprising a hollow body of insulating material; a removable plug of insulating material within the hollow of the body; a fusible element carried by the plug with a weakened length thereof extending across one end of the plug; a member of conducting material mounted on the body, having connection with one end of the fusible element and serving to hold the removable plug in place; a contact post on the plug in connection with the other end of the fusible element; and a part on the plug for holding the said weakened length out of contact with the proximal end of the plug, said part having spaced apart points of contact with the fusible element whereby to freely suspend a major portion of the weakened length of the element, said part being formed of substance having a relatively high combustion point whereby to avoid residue when the fusible element is melted during an electrical overload.



2,419,252
PREVENTION OF SEIZURE OF METAL PARTS

Wilfred A. Bychinsky, Ann Arbor, Jay T. Ford, Grand Blanc, and William Shuford Kirk, Flint, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

No Drawing. Application September 27, 1943, Serial No. 504,070

5 Claims. (Cl. 252—25)

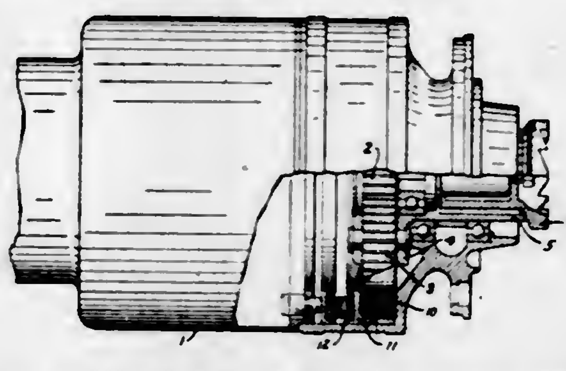
1. The method of preventing seizure of the surfaces of metal parts held in engagement under high pressure comprising applying to such parts a paste consisting substantially of zinc oxide and an organic liquid capable of being vaporized at temperatures of upwards of 250° C. without leaving carbonaceous residue, then heating to drive off said liquid leaving a coating of dry zinc oxide on said surfaces, said liquid being one of the group of high-boiling esters of carboxylic acids consisting of di-butyl phthalate and tri-butyrin.

2,419,253
LUBRICANT

Lysle D. Cahill, Shaker Heights, Ohio, assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio, a corporation of Delaware

Application August 7, 1944, Serial No. 548,445

4 Claims. (Cl. 252—21)

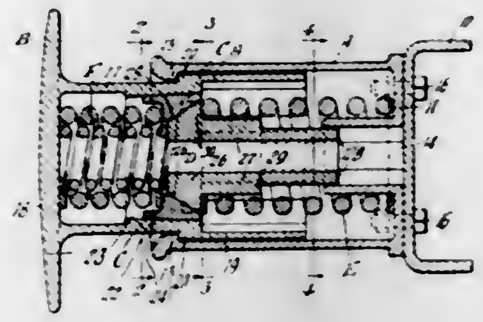


1. In combination in a friction clutch assembly having a plurality of clutch discs with friction surfaces, a lubricant between said surfaces, said lubricant consisting essentially of a grease base having mechanically suspended therein a finely divided, impalpable solid scarifying agent for making minute grease-retaining scratches on a wearing surface lubricated thereby, whereby said

lubricant will not be completely squeezed out or rubbed off said surface by the imposition of frictional loads thereon, the proportions of the elements of said lubricant being approximately one part by weight of said agent with 200 parts of grease.

2,419,254
BUFFER

George E. Dath, Mokena, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application September 15, 1944, Serial No. 554,211
9 Claims. (Cl. 213—221)



9. In a buffer for railway cars, the combination with a housing adapted to be secured to a car; of a buffer head including a friction casing projecting therefrom and telescoped within the housing, said housing and casing having interengaging lugs limiting lengthwise separation of the housing and casing; friction shoes slidingly telescoped within the casing, said shoes and casing having interengaging friction surfaces restricting the shoes to movement in a direction lengthwise of the casing; a wedge having wedging engagement with the shoes on flat, interengaging faces; a stem of hexagonal cross section projecting inwardly from the wedge and integral therewith; a guide sleeve of hexagonal, interior cross section fixed with respect to the housing and slidingly receiving said hexagonal stem and holding the same against rotation; spring means yieldingly opposing lengthwise movement of the wedge inwardly of the housing; and spring means within the casing yieldingly opposing movement of the wedge and shoes toward the buffer head.

2,419,255
PROCESS OF MAKING A CARBON MONOXIDE OXIDATION CATALYST

Joseph G. Dely, Queens Village, N. Y., assignor to Tennessee Valley Authority, a corporation of the United States of America
No Drawing. Application July 17, 1943, Serial No. 495,119½
3 Claims. (Cl. 252—259.2)

1. A process for making a rugged carbon monoxide oxidation catalyst which comprises (*a*) admixing a slurry of a basic iron precipitate selected from the group consisting of carbonate and hydroxide with magnesium oxide, (*b*) admixing a slurry of a precipitated aluminum oxide compound with a further portion of magnesium oxide, (*c*) adding potassium dichromate in an amount such as to serve as a promoter material to at least one of said admixtures, (*d*) finally mixing said admixtures, at least one of which contains said promoter material, (*e*) extruding the resultant mixture into formed shapes, and (*f*) drying the formed shapes.

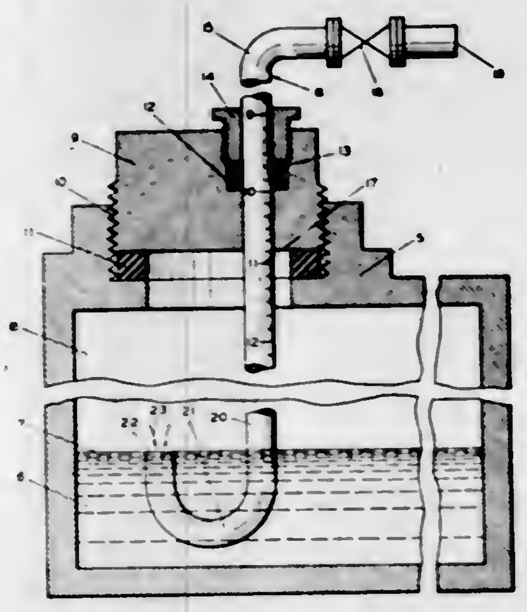
2,419,256
MANUFACTURE OF SALTS OF GLUTAMIC ACID

Herman W. Dorn, Toledo, Ohio, assignor to International Minerals & Chemical Corporation, a corporation of New York
Application November 25, 1943, Serial No. 511,647
8 Claims. (Cl. 260—529)

1. A process of purifying crude glutamic acid obtained from the hydrolysis of proteinaceous materials which comprises contacting the crude glutamic acid with a small amount of an oxidizing agent selected from the group consisting of peroxides and chlorites at a temperature not in excess of about 85° C. and separating the impurities from the glutamic acid.

2,419,257
SLIP GAGE

Edmond W. Evans, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application September 11, 1945, Serial No. 615,654
5 Claims. (Cl. 73—298)



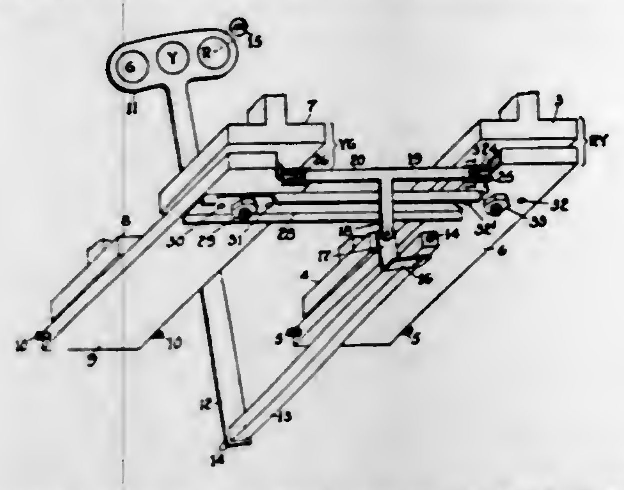
1. A slip tube gage for large containers comprising a stuffing box mounted in the upper portion of said container, and a measuring discharge tube having an upwardly disposed inlet opening in its lower end, said tube being disposed for vertical movement through said stuffing box whereby the liquid level in said container may be gaged without error due to premature aspiration of liquid.

2,419,258
ELECTRIC CIRCUIT FOR POLARIZED COMPOUND ELECTROMAGNET

Oscar S. Field, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application January 7, 1944, Serial No. 517,388
7 Claims. (Cl. 175—335)

1. In a light signal of the search light type, a pivoted shaft, a member carried by the shaft, two spaced operating members each including an electro-magnet and an armature movable from a retracted to an attracted position, a rigid floating lever pivoted at each end, respectively to the armatures, a crank on the shaft, a stem connecting the crank to an intermediate point on the lever, and a rigid loading arm fixed to one armature and extending across to bear against the lower face of the other armature when both armatures are in retracted positions.

6. In a light signal of the search light type capable of displaying different indications in accordance with the position of a movable element, a polarized electro-magnet and a non-polarized electro-magnet each having an armature movable from a biased position to an attracted position upon the energization of that electro-magnet, said polarized electro-magnet requiring energization by a particular polarity in order to actuate its armature to an attracted position, operating means controlled by said armatures for causing said element to assume a first position when both said armatures are in their biased positions, for causing said element to assume a second position when the armature of said non-polarized electro-magnet is in an attracted position, and for causing said element to assume a third position when both of said armatures are in attracted positions, a mechanical means associated with the armature of said polarized electro-magnet and acting independently of said operating means for preventing the movement of that armature to an attracted position while the armature of said non-polarized electro-magnet is in its biased postion, and means including a short circuited winding associated with said non-polarized electro-magnet for rendering its armature slow to respond to the energization and deenergization of that electro-magnet.



2,419,259
PREPARATION OF 5-DIETHYLAMINO-2-PENTANONE

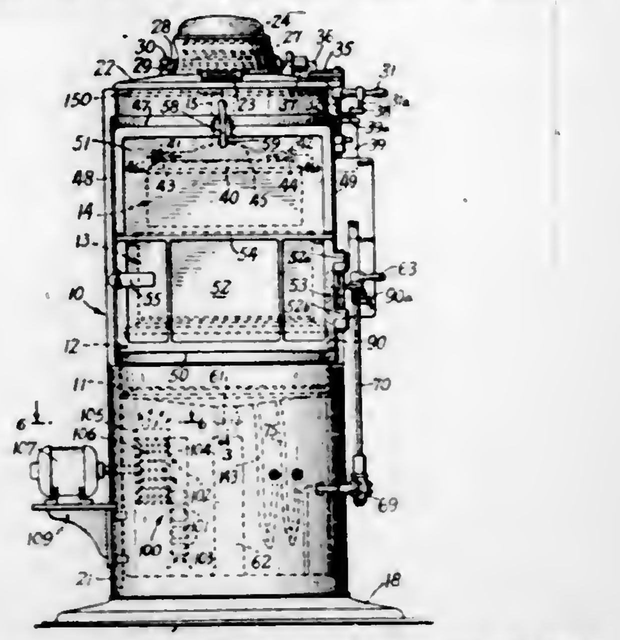
Sylvan E. Forman, Baltimore, Md., assignor to U. S. Industrial Chemicals, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application February 21, 1945, Serial No. 579,158
1 Claim. (Cl. 260—584)

The method of preparing 5-diethylamino-2-pentanone which comprises heating a mixture, containing not more than 0.5% of water, of acetylpropyl chloride and diethyl amine until the reaction is complete, liberating the free amines from their salts with aqueous caustic, distilling off the diethyl amine, separating the supernatant layer and fractionating that layer to recover the desired product.

2,419,260
IMPREGNATING AND COATING MACHINE

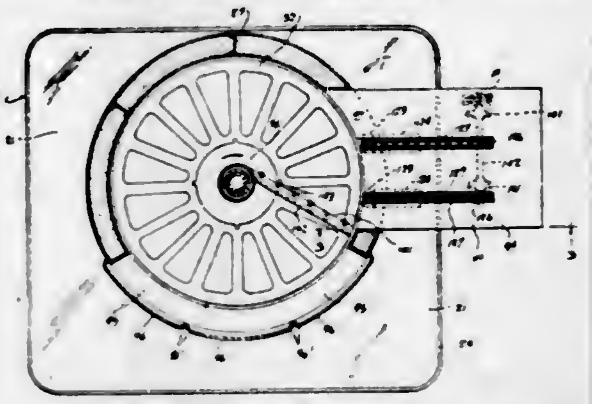
Robert K. Goodlatte, East Orange, N. J., assignor to Production Engineering Corporation, Clifton, N. J., a corporation of New Jersey
Application July 9, 1943, Serial No. 494,948
8 Claims. (Cl. 91—42)

8. In a machine for coating articles with a coating material, in combination, a housing, a perforated container for holding a plurality of articles, a container for holding a coating material, said housing completely enclosing both of said containers, heating apparatus for maintaining said coating material in a fluid condition, said heating apparatus including a heavy metal side wall and bottom positioned in close proximity to the side wall and bottom of said second-mentioned container, heating means for heating the side wall and bottom of said heating apparatus, and temperature control means for controlling the temperature of the side wall and bottom of said heating apparatus, means for dipping said perforated container and the articles therein in said coating material, means for rotating said perforated container after it has been dipped in said coating material to remove the excess coating material from said articles through the utilization of centrifugal force, heating means positioned within said housing, and means associated with said heating means for circulating the air heated by said heating means through the interior of said housing.



2,419,261
COOKER

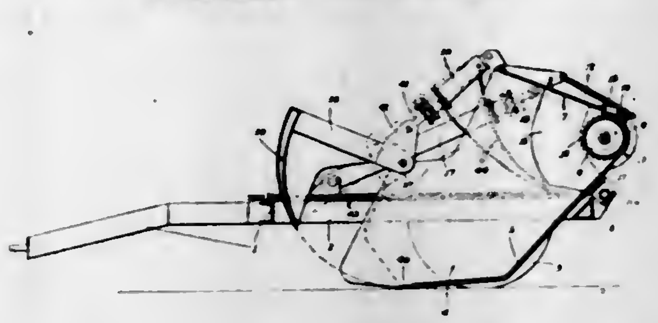
Richard Groetchen, Chicago, Ill.
Application June 3, 1944, Serial No. 538,613
3 Claims. (Cl. 99—423)



1. A cooker comprising an enclosure, grid plates dividing said enclosure into compartments, burner elements contiguous of said grid plates, means for rotatably supporting said grid plates, shelf members carried by said enclosure on the exterior side thereof, there being an opening in said enclosure permitting the passage of containers from the grid plates to said shelf members, means comprising spaced roller elements for guiding containers from the grid plates in a direction toward said shelf members, conveyor means carried by the shelf members and adapted to receive the containers as guided from said grid plates, means for rotating the grid plates, and means for rotating said conveyor means.

2,419,262
SELF-LOADING MATERIAL SPREADER

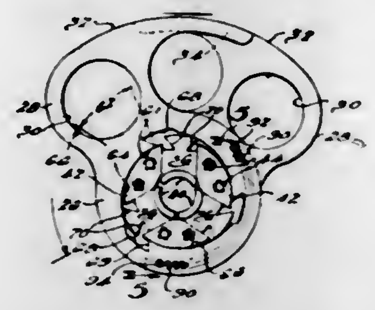
Albert G. Gurries and John A. White, Jr., Gilroy, Calif.; said White assignor to said Gurries
Application October 29, 1943, Serial No. 508,116
3 Claims. (Cl. 275—1)



3. A self loading material gathering and spreading unit comprising a frame supported above the ground for movement therealong, a material gathering and holding body pivotally mounted on the frame, said body being in the form of an open front scraper bowl which in normal loading or carrying position comprises a substantially horizontally disposed bottom wall provided at its forward end with a cutting blade, side walls, a back wall and a top wall, said back and top walls sloping upwardly and rearwardly and downwardly and rearwardly, respectively, with their rear edges spaced apart to form a discharge gap at a point substantially above the ground level, said body being tiltable about its pivotal point whereby the body may be selectively lowered to the ground for digging and loading material into the body or raised to carrying position or up-ended to discharge the load through said gay, means carried by the frame for so tilting said body, and a driven transverse spreader roller disposed in the gap.

2,419,263
SCREW-THREAD GAGE

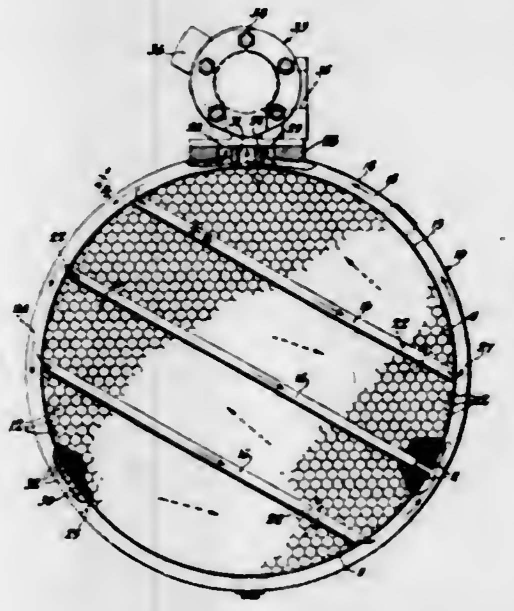
George Hohwart, Orchard Lake, Mich., assignor to N. A. Woodworth Company, Ferndale, Mich., a corporation of Michigan
Application May 28, 1943, Serial No. 488,846
12 Claims. (Cl. 33—199)



1. In a device of the type described, in combination, a plurality of gaging members arranged in angularly spaced relation with respect to each other about a common axis, each of said gaging members having a radially inner face approximately complementary in shape and contour to a portion of the threaded surface of a part to be gaged thereby, means for guiding said gaging members for movement radially of said axis, and a ring-like member surrounding all of said gaging members, said ring-like member having angularly spaced cam surfaces on its radially inner face corresponding in number to the number of said gaging members and engaging the outer ends of said gaging members to move them gradually radially inwardly to gaging position upon relative rotation of said ring-like member in one direction, said ring-like member also having a radially outwardly directed pocket therein at one end of each of said cam surfaces of a size to receive the radially outer end of the corresponding of said gaging members therein, and means for projecting said radially outer ends of said gaging members into said pockets upon relative rotation of said ring-like member in the opposite direction.

2,419,264
OIL COOLER

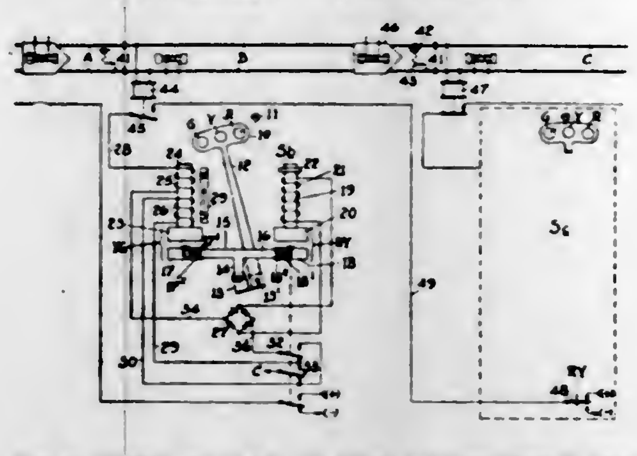
John Ralph Holmes and John A. Winter, Lockport, and Irving M. Schultz, North Tonawanda, N. Y., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 2, 1941, Serial No. 400,792
4 Claims. (Cl. 257—128)



1. In a heat exchanger, a core which includes a plurality of sections through which fluid is constrained to pass successively in heat exchanging relation to another fluid, a double walled shell which encircles the core and whose interspace is divided circumferentially into a compartment through which the second mentioned fluid may enter the heat exchanger in heat exchanging relation to the second mentioned fluid in the core and a compartment through which the second mentioned fluid may leave the heat exchanger in heat exchanging relation to the second mentioned fluid in the core, hollow members of which each opens at one end into the first mentioned compartment and at the other end into the second mentioned compartment so that the second mentioned fluid may pass through them in parallel from the first mentioned compartment to the second mentioned compartment in heat exchanging relation to the second mentioned fluid in the core extending through the core between the sections of the core, an opening through which the second mentioned fluid may enter one section of the core from the first mentioned compartment without passing through the hollow members, an opening through which the second mentioned fluid may leave another section of the core, and openings through which the second mentioned fluid may pass through the hollow members from the first mentioned section of the core to the last mentioned section of the core. the mentioned openings being so disposed that the second mentioned fluid follows a circuitous instead of a direct path through the core.

2,419,265
LIGHT SIGNAL FOR RAILROADS

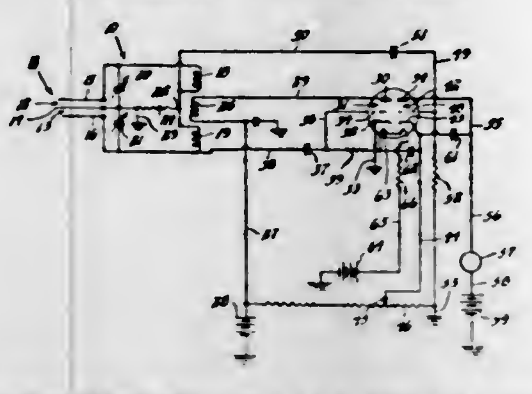
Thomas J. Judge, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application January 7, 1944, Serial No. 517,389
10 Claims. (Cl. 177—327)



6. In a light signal of the searchlight type, a spectacle biased to one position and movable to a second and a third position to select the indications to be displayed by the signal, two electromagnetic operators, each including an armature and an energizing coil for moving its armature from a retracted to an attracted position, means operatively connecting the armatures to said spectacle so that the spectacle assumes its second position when the armature associated with one coil is in an attracted position and its third position only when both armatures are in attracted positions, an energizing circuit for the two coils, and contact means in said circuit making the other coil ineffective to move its armature to an attracted position by means of pole changing one part of said other coil with respect to the rest of said other coil until after said one coil has moved its armature to an attracted position.

2,419,266
ELECTRONIC CIRCUIT FOR INDICATING ICE FORMATION

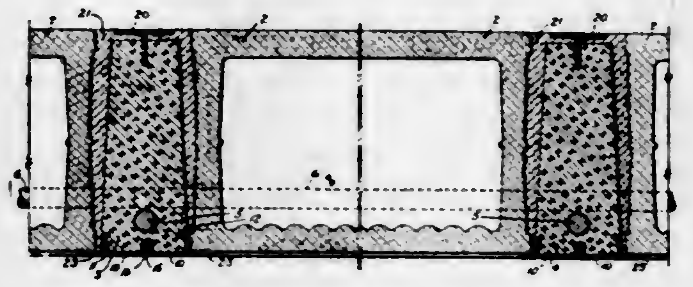
Waldo H. Kliever and Richard M. Franzel, Minneapolis, Minn., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application October 24, 1942, Serial No. 463,260
17 Claims. (Cl. 177—311)



1. An electrical circuit arrangement comprising in combination, a variable impedance bridge including inductance means and capacitance means, a coil inductively associated with said inductance means for supplying power thereto, a triode comprising cathode, grid and plate, means for connecting one end of said coil to said plate, means connecting said plate to a source of unidirectional voltage, a feed back connection from the other end of said coil to said grid to cause said bridge and triode to function as an oscillator and cause alternating current to flow in said bridge, a second triode having a cathode, grid and plate, said bridge having a point whose potential does not vary when said bridge is balanced but which alternately increases and decreases due to the flow of alternating current when said bridge is not in balance, and means connecting said point to the grid of said second triode to cause a flow of electrons from said cathode to said plate in accordance with the amount of bridge unbalance.

2,419,267
SKYLIGHT CONSTRUCTION

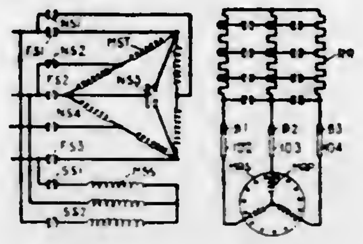
George H. Lenke, Elmhurst, Ill., assignor of one-half to Julius J. Ohlis, Oak Park, Ill.
Application March 20, 1946, Serial No. 655,854
6 Claims. (Cl. 108—16)



1. In skylight construction the combination of intersecting concrete ribs defining light-transmitting cells, the bottom surfaces of said ribs lying in a common plane; a light-transmitting glass in each cell; and a metallic frame for supporting the glass in the cell, said frame anchored to the contiguous ribs and provided with an outwardly extending flange underlying the bottom surfaces of said ribs, the lateral edge of said flange in abutment with the lateral edge of the flange of the next adjacent and similarly formed frame to provide a flush under-surface of the skylight parallel to said plane.

2,419,268
PLURAL POLE NUMBER INDUCTION MOTOR

Jacob Daniel Lewis, Yonkers, N. Y., assignor to Otis Elevator Company, New York, N. Y., a corporation of New Jersey
Original application November 27, 1943, Serial No. 512,023. Divided and this application December 7, 1944, Serial No. 567,086
7 Claims. (Cl. 172—274)



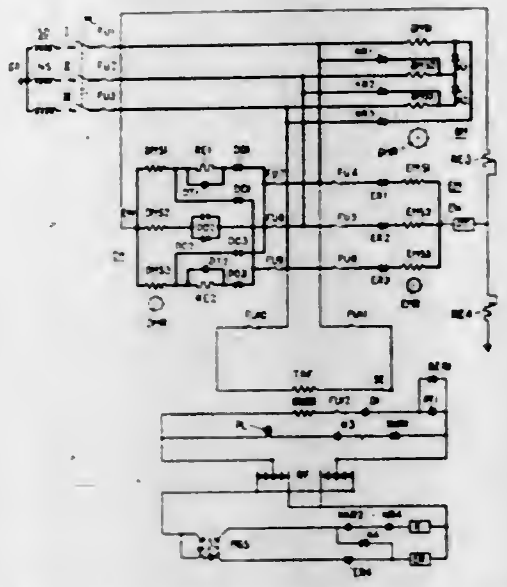
1. A three-phase multi-speed induction motor comprising; a stator; windings on the stator adapted to provide excitation of a certain number of pairs of poles for fast speed operation, of a higher number of pairs of poles for medium speed operation which is an even multiple of said certain number of poles or of a number of pairs of poles for slow speed operation which is greater than but indivisible by said higher number of pairs of poles and is an odd multiple of said certain number of pairs of poles; a rotor; a winding wound on the rotor for said medium speed operation; and a definite pitch squirrel cage winding on the rotor for both said fast speed and said slow speed operation.

2,419,269

PROTECTIVE APPARATUS FOR POLYPHASE ALTERNATING CURRENT UNITS

Jacob Daniel Lewis, Yonkers, Mathew Troster, Jr., New York, and Norman William Sederberg, Flushing, N. Y., assignors to Otis Elevator Company, New York, N. Y., a corporation of New Jersey

Application May 28, 1945, Serial No. 596,284
13 Claims. (Cl. 187—29)



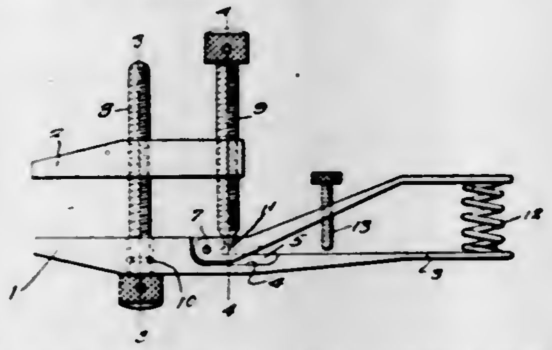
1. An electrical system in which two polyphase induction motors are connected in parallel to the supply lines of a source of polyphase alternating current, characterized in that there is provided means responsive to the difference in potential between a neutral for one of said motors and a neutral for said source when an open phase condition arises in the supply lines common to said motors for protecting both of said motors.

2,419,270

PARALLEL SCREW CLAMP

John G. Linnartz, New York, N. Y.

Application July 7, 1944, Serial No. 543,778
2 Claims. (Cl. 144—301)



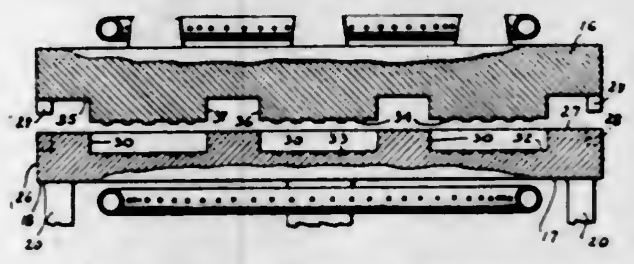
1. A clamp comprising a stationary jaw, a rigid handle in longitudinal alignment with said stationary jaw, an adjusting screw rotatably and loosely mounted in and extending perpendicularly through the stationary jaw, a movable jaw threadedly carried by the adjusting screw for movement toward or away from the stationary jaw, a lever pivoted at one of its ends to the stationary jaw near its junction with the handle, said lever having a socket intermediate its ends adjacent its pivot, an adjusting screw threadedly extending through the movable jaw in spaced parallel relation to the first-mentioned adjusting screw, the point of the second-mentioned adjusting screw being seated in the socket, and a compression spring extending between the end of the handle and the end of the lever remote from the pivot whereby the clamp jaws will be advanced toward closed position under yielding pressure.

2,419,271

GAS HEATED EMBOSSING PRESS

Henry Lish, Brookline, Mass.

Application June 8, 1944, Serial No. 539,290
1 Claim. (Cl. 101—9)



A device for producing embossed decorative articles by the use of burning gas and pressure comprising: a male die element having a plate-like body; a female die element having a plate-like body, said female die element having a plurality of spaced receptacles; said male die element having a plurality of spaced male die members arranged so that all of said male die members are simultaneously receivable by said receptacles; first heating means secured to the body of the female die element, including a circularly arranged tube having a plurality of orifices disposed to direct gas emanating therefrom radially toward the point with respect to which the tube is concentric; second heating means secured to the body of the male die element, including a circularly arranged tube having a plurality of orifices disposed to direct gas emanating therefrom radially toward the point with respect to which the tube is concentric and means to reciprocate said die elements with respect to each other.

2,419,272

PROCESS OF FORMING A SILICA-CONTAINING HYDROGEL

Milton M. Marisic, Woodbury, and Arthur C. Schmitt, Wenonah, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

No Drawing. Application April 26, 1944, Serial No. 532,878
12 Claims. (Cl. 252—317)

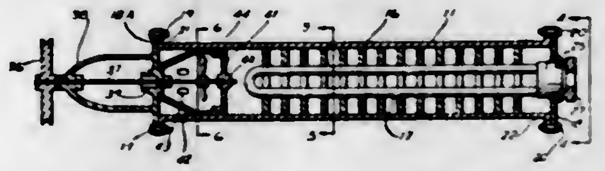
7. The process of forming a silica-containing hydrogel which comprises acidifying an alcohol solution of an alkyl silicate to a pH between about 0 and 1, and thereafter neutralizing the acidified alcohol solution to a pH between about 5 and 8 by addition thereto of a dilute aqueous solution of ammonia, injecting the neutralized alcohol solution into a body of a water-immiscible liquid as a plurality of globules and retaining said globules in said liquid until they gel to firm hydrogel globules.

2,419,273

WATER HEATER

Ernest D. Marquette, St. Albans, Vt.

Application October 18, 1944, Serial No. 559,312
6 Claims. (Cl. 219—38)



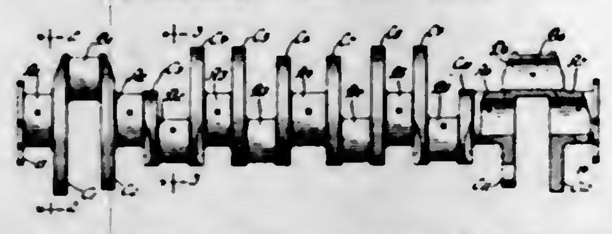
1. In a device of the character described, in combination, a cylinder, an immersion heater in said cylinder, a propeller in said cylinder, connections between said cylinder and the radiator of a vehicle a perforated water retarding propeller cone interposed between said water inlet and said propeller, and means to energize said heater and said propeller, said last-mentioned means including a thermostatically controlled switch mechanism actuated by the temperature of the water in said radiator.

2,419,274

COUNTERWEIGHTED CRANKSHAFT

Charles J. McDowall and Dimitrius Gerdan, Indianapolis, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application April 8, 1944, Serial No. 530,150
5 Claims. (Cl. 74—603)



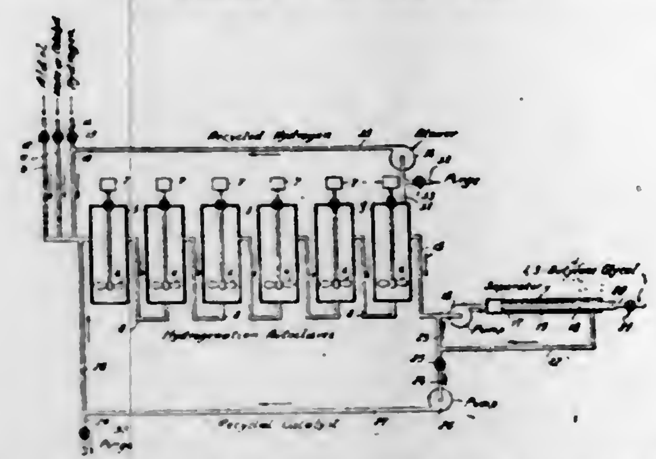
1. A one-piece six-throw, seven-bearing crankshaft having hollow crankpins and a counterweight associated with each cheek of the throws, the weights 1, 6, 7 and 12, numbered from one end of the shaft, being opposite the axes of adjacent crankpins, the weights 2, 3, 10, and 11 being angularly skewed toward the aligned axes of crankpins 3 and 4 without overlapping the bores thereof and the weights 4, 5, 8, and 9 being angularly skewed toward the aligned axes of crankpins 1 and 6 without overlapping the bores thereof.

2,419,275

PRODUCTION OF 1,3-BUTYLENE GLYCOL

Floyd J. Metzger, New York, N. Y., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York

Application May 17, 1944, Serial No. 535,940
2 Claims. (Cl. 260—635)



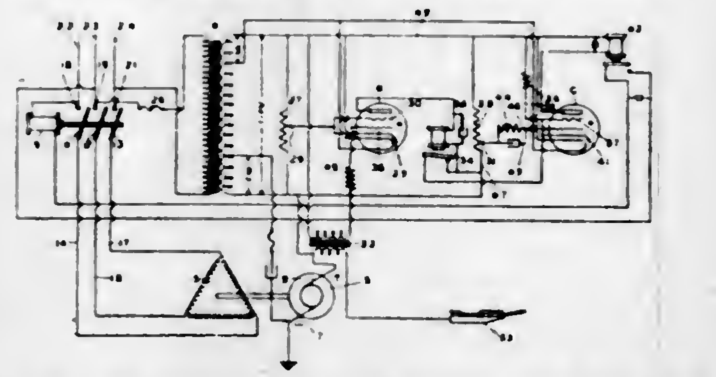
1. The method of continuously hydrogenating aldol to produce 1,3-butylene glycol, which comprises subjecting aldol containing a readily oxidizable comminuted solid hydrogenation catalyst suspended therein to the action of hydrogen under superatmospheric pressure in a reaction zone, continuously withdrawing from the reaction zone a slurry consisting of the catalyst suspended in the liquid product of the reaction, the withdrawal of said slurry being without substantial reduction of pressure in the reaction zone, dividing the withdrawn slurry into two components by means of a foraminous surface, one component being a clear liquid and the other component a thickened slurry containing the catalyst, such division of the slurry being at a rate such that substantial deposition of catalyst on the foraminous surface does not take place and the pressure on the slurry undergoing division is not substantially reduced, withdrawing the clear liquid from the system, retaining the thickened slurry containing the catalyst in the system and returning it to the zone of reaction, and maintaining the entire system closed to the external atmosphere.

2,419,276

REMOTE CONTROL MEANS FOR ELECTRICAL CIRCUITS

Dallas A. Miller, Lagunitas, and Fred Deauville, San Francisco, Calif.

Application May 27, 1944, Serial No. 537,630
2 Claims. (Cl. 172—239)



1. In combination with a motor generator set, a switch therefor, and a holding coil for closing and holding said switch closed when said set is running off a line transformer, a pair of potentiometers connected in parallel with said transformer, a pair of electronic tubes connected across said transformer, a relay associated with each of said tubes, and electrically connected thereto, each of said potentiometers having a slider, one of said sliders being connected to the cathode of one of said tubes, and the slider of the other potentiometer being connected to the control grid of the other of said tubes, and means of imposing an increased potential on the control grid of the first tube to cause current to flow therethrough, whereby its relay will cause a circuit flow to the second tube to interrupt the flow of current therethrough to release its relay, said means including a transformer in the output circuit of said generator.

2,419,277

PROCESS FOR THE PRODUCTION OF POLYAMIDE COMPOSITIONS

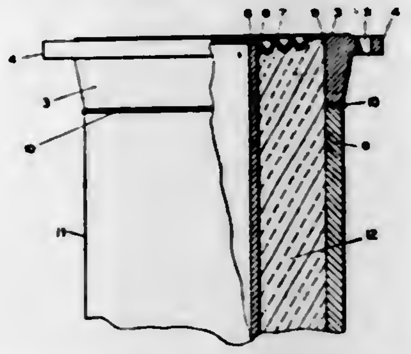
Robert Wighton Moncrieff, Charles William Sammons, and Edward William Wheatley, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application July 11, 1941, Serial No. 401,994. In Great Britain September 19, 1940.
5 Claims. (Cl. 260—33)

1. Process for the production of polyamide compositions suitable for conversion into films, filaments and other articles by shaping while in the molten state, which comprises precipitating a synthetic film-forming polyamide in finely divided condition from solution by the action of a liquid non-solvent medium therefor containing an agent which, in association with the polyamide, yields a composition of low melting point relative to the polyamide itself, and leaving the finely divided precipitated polyamide in contact with the said non-solvent medium for a time sufficient to effect uniform impregnation of the polyamide by the agent to a degree sufficient to lower substantially the melting point of the polyamide.

2,419,278
INSULATED PIPE

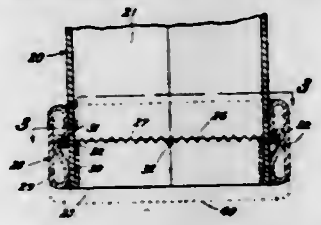
James O. Motsenbocker, Jr., Phillips, Tex., assignor to Phillips Petroleum Company, a corporation of Delaware
Application June 30, 1945, Serial No. 602,431
3 Claims. (Cl. 138—64)



1. An insulated pipe comprising in combination an outer pipe, an inner liner tube, heat insulating material between said inner liner and said outer pipe, and end plates connecting the ends of said liner and said outer pipe, said end plates comprising annular plates having concentric corrugations therein whereby differences in expansion between said liner and said outer pipe are taken up by movement of said end plate corrugations.

2,419,279
SANITARY CUFF

Vincent Muccillo, Hamilton, Ohio
Application April 19, 1944, Serial No. 531,712
5 Claims. (Cl. 2—232)

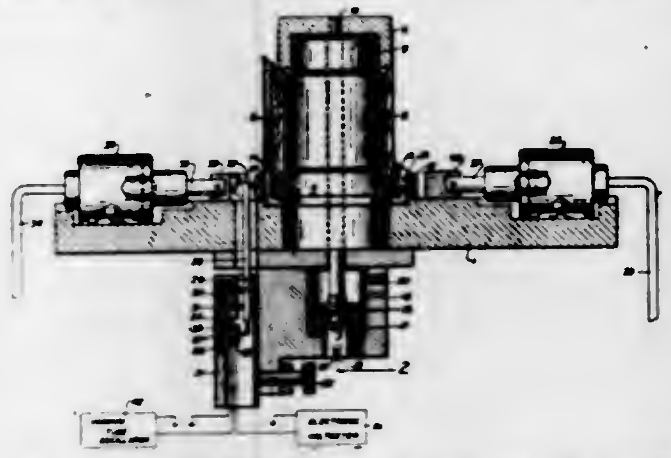


1. In a trouser the combination of a leg covering member terminating in a finished edge portion, a cuff encircling the finished edge portion, and independent spaced apart means for fastening the cuff to the member whereby extended and uninterrupted spaces, opened at the top and the bottom, are formed between the edge portion and cuff and between the fastening means.

2,419,280
ELECTRONIC GAUGE FOR MEASURING THE RADIAL FREEDOM OF ANTIFRICTION BEARINGS IN THEIR RACES

Joseph J. Neff, South Euclid, Ohio, assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio, a corporation of Delaware
Application September 11, 1945, Serial No. 615,668
6 Claims. (Cl. 33—143)

6. In an electrical measuring instrument for measuring the radial clearance of ball bearings between the inner and outer races of a bearing assembly prior to caging of said bearings, a base, a shaft having a bevelled portion, a collet surrounding and attached to said shaft and having radially expansible tongues, a ball separating and positioning member comprising a cylinder surrounding said collet in spaced relationship and having a plurality of open ended slots each to separately receive a ball as the ball bearing assembly is placed in position for measurement with its outer race surrounding said ball positioning cylinder and said inner race interposed between said cylinder and said collet tongues, pneumatic means for pulling said collet to expand its tongues about the bevelled portion of said shaft to grip said inner race between said tongues and said ball positioning cylinder, a pair of pneumatic pressure plungers alternately operable to apply a pressure on opposite sides of the outer surface of said outer race, a pivoted flexibly mounted stylus on one side of said outer race in line with said plungers to resiliently engage the outer surface of said outer race, an electric displacement pickup unit including an armature carried by said stylus.



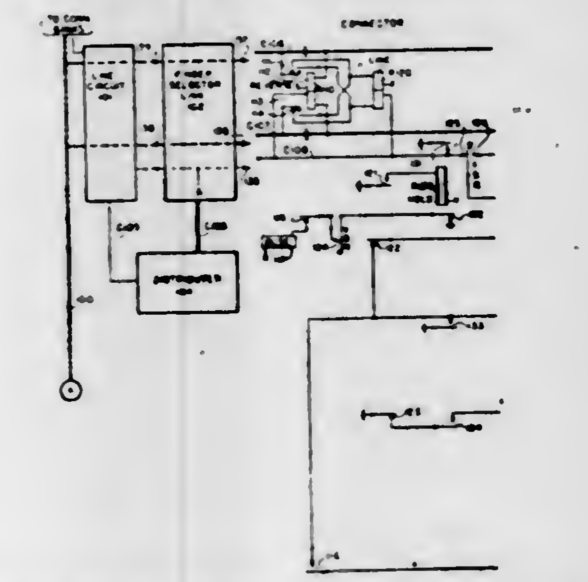
2,419,281
POLYVINYL ALCOHOL FILM

Max Vernon Noble, Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 12, 1944, Serial No. 567,893
1 Claim. (Cl. 260—90)

A self-sustaining film of polyvinyl alcohol containing from 0.1% to 10% by weight of cetyl dimethyl benzyl ammonium chloride, based on the weight of polyvinyl alcohol.

2,419,282
TELEPHONE SYSTEM

John E. Ostline, Chicago, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application June 28, 1944, Serial No. 542,505
17 Claims. (Cl. 179—18)



1. In a telephone system, an automatic switch comprising a contact bank having contacts arranged in levels, two sets of wipers operable by said switch to make contact simultaneously with the contacts in two of said levels, a group of trunk lines terminated upon contacts in said two levels, a plurality of individual lines terminated upon contacts interspersed with the contacts upon which said first-mentioned lines terminate, and means including said wipers for successively testing the busy condition of said trunk lines of said two levels.

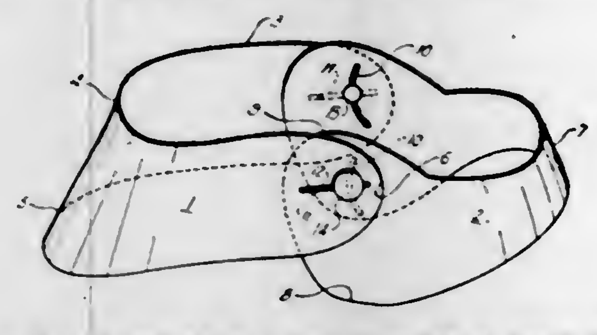
2,419,283
MANUFACTURE OF SULFENAMIDES

Philip T. Paul and Byron A. Hunter, Naugatuck, Conn., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application January 27, 1944, Serial No. 519,946
4 Claims. (Cl. 260—306.6)

2. In a process of making N-isopropyl benzothiazyl sulfenamide by oxidative condensation between isopropylamine and a water-soluble salt of mercapto benzothiazole, in aqueous solution, the step of adding to the aqueous solution containing said salt, sodium sulfate, prior to adding the oxidizing agent.

2,419,284
HEAD SHIELD

Marion Louise K. Reich, Pittsburgh, Pa.
Application September 14, 1945, Serial No. 616,191
3 Claims. (Cl. 2—174)

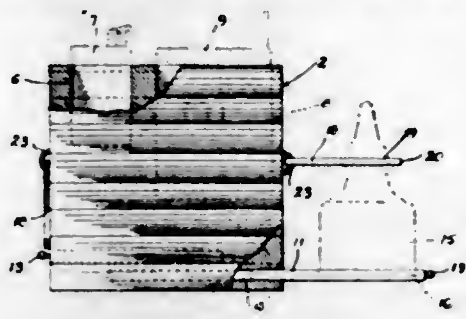


1. A head shield for wear under a hair drying apparatus which comprises a visor and neck piece preformed to an arcuate and flared shape of a flexible material capable of retaining its contour surface shape while permitting change of size of its arcuate form, the visor portion being provided with a brow engaging area preshaped to effect contact over a large portion of the brow and flaring downwardly in a forward and side direction, said visor portion terminating at substantially the transverse center of the shield, and said neck portion having a surface contour adapted to engage the neck at substantially the hair line and flaring outwardly, rearwardly and sideways with the ends terminating in large portions for shielding the ears, and means for adjustably connecting the ends of the visor and neck portions whereby they are adjustable radially with respect to the geometrical center of the composite shield and also angularly to adapt their upper peripheries to the head contour of the wearer.

2,419,285
INKSTAND AND PEN RACK

Lynn A. Rhodes, Camden, Ark.
Application October 16, 1945, Serial No. 622,577
1 Claim. (Cl. 120—4)

In a combination ink, pen, and pencil stand, a stand having parallel vertical ends and sloping sides, said sides converging toward the upper end of the stand and each having a plurality of longitudinally extending racks indented therein, said stand having downwardly extending recesses in the upper horizontal surface of the upper end and offset openings extending inwardly from the opposite ends positioned adjacent the lower end thereof, slides with recesses in their upper surfaces slidably mounted in said offset openings, brackets having openings therein aligned with the recesses of the slides, and means hinging the brackets to the ends of the stand wherein the brackets may be folded downwardly to closed position and when opened to horizontal position, the openings therein are aligned with the recess of the slides with the slides in the open position.



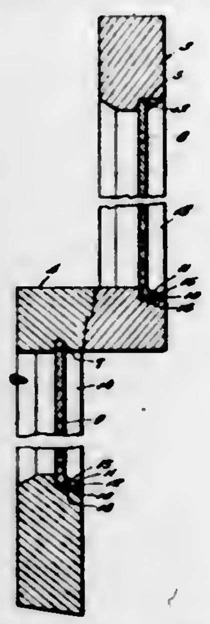
2,419,286
PROCESS OF MAKING FERMENTED JUICE PRODUCT

William A. Rooker, Winchester, Va., assignor to National Fruit Products Company, Inc., Winchester, Va., a corporation of Virginia
No Drawing. Application December 4, 1944, Serial No. 566,639
17 Claims. (Cl. 99—34)

1. The process of making a fermented juice product comprising expressing the juice from fruit, distilling the aromatics from the juice, subjecting the juice to fermentation, and recombining the aromatics distilled off with the fermented juice after fermentation has ceased.

2,419,287
WINDOW PANE AND THE LIKE

Harry E. Rudy, Detroit, Mich.
Application September 22, 1944, Serial No. 555,302
1 Claim. (Cl. 20—56.4)



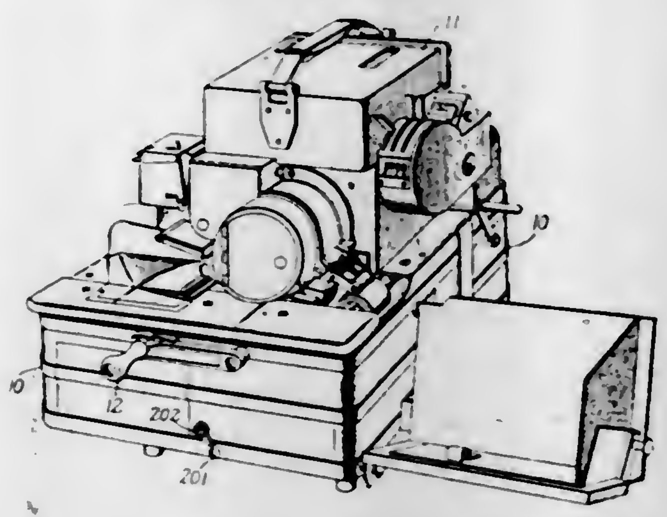
In a sash construction, a frame having a marginal rabbet, a flat sheet window pane fitted therein and held around the upper end by putty, along both vertical edges by putty, and having an adaptable holding and ledge forming flange solely at its lower end extending horizontally and seating on the adjacent surface provided by the coacting region of said rabbet.

2,419,288
TAPE FEEDING AND CUTTING APPARATUS FOR MAIL TREATING MACHINES

Commodore D. Ryan and Edward P. Drake, Los Angeles, Calif., assignors to Commercial Controls Corporation, a corporation of Delaware

Original application December 11, 1940, Serial No. 369,570, now Patent No. 2,380,331, dated July 10, 1945. Divided and this application April 17, 1944, Serial No. 531,346

15 Claims. (Cl. 164—49)



1. In a machine for treating tape: a tape chute having a discharge end, cyclically operable means for moving tape through said chute and treating it, driving means for actuating said cyclically operable means, and tape-cutting means including an oscillatable shear means at the discharge end of said chute, means for actuating said oscillatable shear means, comprising a first oscillatable member coupled to said shear means for movement therewith, a second oscillatable member coaxial with said first oscillatable member, and abutting means on said first and second members for limiting relative motion in one direction therebetween, spring means yieldably restraining said second member in a predetermined position in which said abutting surfaces are in contact and said shear means is open, means actuated by said driving means for deflecting said first member in a direction to engage said abutting surfaces and first displace said two members and said oscillatable shear means in a direction to open said shear means, and then release said first member, whereby said spring restores said second member to normal position and imparts momentum to said first member, whereby it continues its travel past normal position to close said shear means and shear said tape.

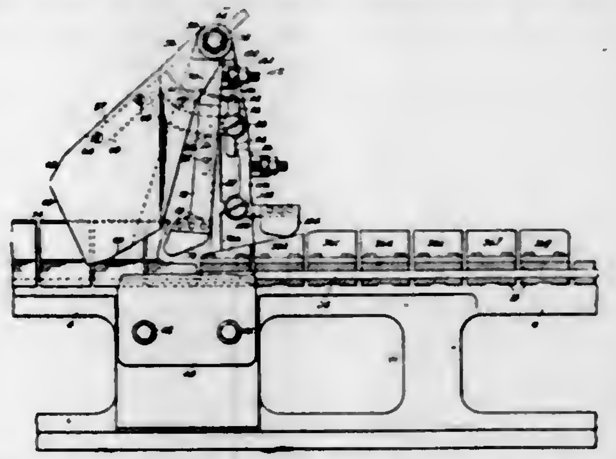
2,419,289
CONVEYER APPARATUS FOR POSITIONING FISH

Charles M. Savrda, Bay Shore, N. Y., and William H. Hunt, National City, Calif., assignors to The Atlantic Coast Fisheries Company, New York, N. Y., a corporation of Maine

Application May 20, 1944, Serial No. 536,506

14 Claims. (Cl. 198—34)

1. An apparatus which comprises a conveyer to feed a fish, tail leading and back downward, a gate including a pair of forwardly converging plates positioned in the path of travel of said fish and adapted to engage the fish at the sides thereof with the tail extending beyond said plates, means to lock said gate against movement whereby it will engage the fish fed thereto and prevent movement thereof, and means to render the locking means ineffective at a predetermined time whereby said conveyer will feed the fish.



2,419,290
CERAMIC MATERIAL

Carl Frederic Schaefer, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

No Drawing. Application May 13, 1943, Serial No. 486,852

11 Claims. (Cl. 106—46)

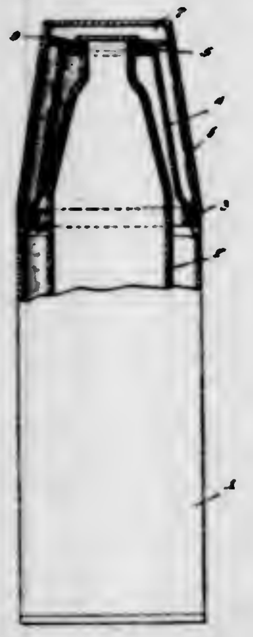
1. Ceramic material made by firing to a dense, non-porous body alumina base ceramic material containing at least 12% clay to impart plasticity to the mass and a small proportion of alkaline earth phosphate, the proportion of aluminum oxide introduced as such or in combined form being at least approximately 73%, said alumina base ceramic material being free of manganese oxides and alkaline earth borates.

2,419,291
VACUUM BOTTLE

Albert M. Senter, Jr., Albuquerque, N. Mex.

Application May 25, 1945, Serial No. 595,831

5 Claims. (Cl. 215—13)



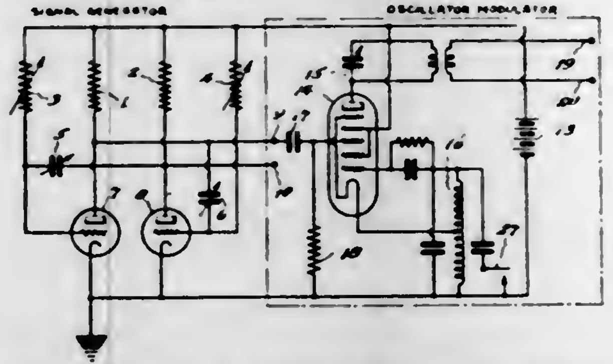
1. A beverage container comprising an outer housing, an inner vessel within said housing in substantially spaced relation to said housing, said vessel being formed with a neck portion defining an opening at the top, means secured to said housing engaging said neck portion and defining a substantially flat area around said neck portion, a substantially flat annular deformable gasket member frictionally engaging said neck portion and adapted to bear on said flat area around said neck portion, an inverted cup member adapted to be detachably engaged with said housing in overlying relation to said neck portion, said cup member being provided with an inner base portion recessed to receive the top of said neck portion and formed with an annular shoulder adapted to bear on said gasket member to seal the opening.

2,419,292
SYSTEM FOR TRANSMITTING TWO SIMULTANEOUS INTELLIGENCES

Francis H. Shepard, Jr., Madison, N. J., assignor, by mesne assignments, to Remco Electronic, Inc., New York, N. Y., a corporation of New York

Application November 15, 1944, Serial No. 563,567

6 Claims. (Cl. 179—15)



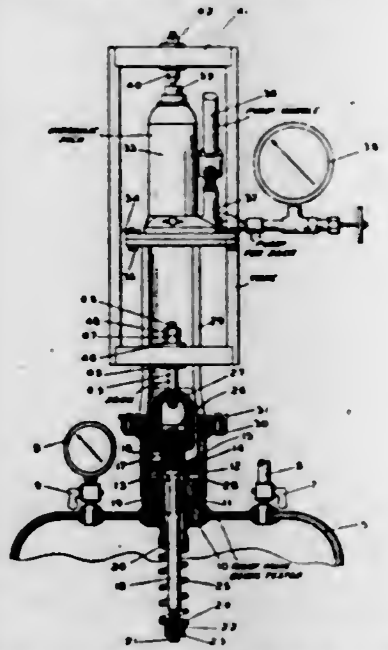
1. The method of simultaneously transmitting two intelligences, which comprises translating such intelligences into a signal having alternately a marking nature and a spacing nature in which the lengths of the marking state and the spacing state are varied respectively according to said intelligences, transmitting said signal, and detecting and integrating said signal to produce separate signals which are functions of the intelligences transmitted.

2,419,293
RELIEF VALVE TESTER

Howard E. Simonson, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application October 14, 1943, Serial No. 506,237

4 Claims. (Cl. 73—4)



1. A jack for pulling relief valves comprising in combination a hydraulic cylinder, a piston in the cylinder, a pump for supplying pressure fluid to move the piston, a rectangular frame resting on the piston and passing beneath the cylinder, and a support for the cylinder comprising an adapter to fit the relief valve and a split support having two legs one on each side of the rectangular frame, the adapter supporting the support on the valve and the support supporting the cylinder on the adapter.

2,419,294
BENZOTHIAZOLE SULFENAMIDES AS FUNGICIDES

Joseph B. Skaptason, Woodbridge, Conn., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application June 6, 1945, Serial No. 597,961

16 Claims. (Cl. 167—33)

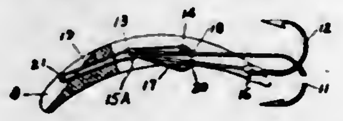
1. A fungicidal composition comprising a benzothiazolesulfenamide as an active ingredient, and a carrier therefor selected from the group consisting of powdered solid carriers, and water containing a dispersing agent.

2,419,295
FISH LURE

Phillip Slough, Detroit, Mich.

Application August 13, 1945, Serial No. 610,416

2 Claims. (Cl. 43—37)



1. In a device of the character indicated, the combination of an arcuate body member, a slot in one end of said body, a bore extending from said slot to the opposite end of said body, fish hooks mounted in said slot, one of said hooks being held against movement, the other hook being adapted to pivot toward said first hook, and a spring member secured to said pivotable hook, one portion of said spring member being extended through said bore to provide attaching means.

2,419,296
FIBROUS SHEET MATERIAL FOR THE ELECTROLYTIC FORMATION OF AN AZO DYESTUFF THEREON

Myer Solomon, deceased, late of Princeton, N. J., by Nellie W. Solomon, administratrix, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

No Drawing. Application December 23, 1942, Serial No. 469,957

7 Claims. (Cl. 204—2)

1. A fibrous sheet material for the electrolytic formation of an azo dyestuff thereon carrying a dyestuff-forming composition comprising a diazotizable heterocyclic amine selected from the class consisting of aminoquinolines, aminopyridines and aminopyrimidines, a sufficient quantity of an ionizable nitrite to produce the nitrite ions necessary for diazotization of said amine under the influence of the electrolyzing current, a water-soluble, inorganic salt as the electrolyte in an amount to insure passage of the electrolyzing current, a sufficient quantity of an azo dye coupling component to couple with the diazonium compound when formed to produce an azo dye and a quantity of alkali sufficient to impart to said composition a pH on the alkaline side to thereby preclude diazonium salt formation until the fibrous sheet material is subjected to the action of the electrolyzing current.

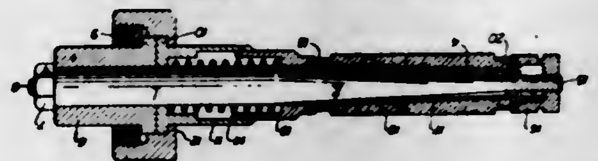
2,419,297

LAPPING TOOL

Joseph F. Steigerwald, Shaker Heights, Ohio, assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio, a corporation of Delaware

Application September 12, 1945, Serial No. 615,752

2 Claims. (Cl. 51—184.3)



1. In an abrasive tool having a spindle, a pair of telescopic sleeves one of which is held stationary on the spindle and the other normally resiliently forced away therefrom longitudinally in extended position, an adjustable end nut on said spindle, said spindle having flattened portions on either side thereof to taper inwardly toward said nut end, a spline centrally located on each flat portion formed to progressively increase in height toward said nut end, a pair of abrasive units each formed of a metallic body of segmental cross section with an inner groove to fit one of said spindle splines and having abrasive coatings intermediate their ends, the abrasive units when inserted between said nut and movable sleeve on said spindle being tapered to increase in thickness toward said nut end to be of substantially uniform overall outside diameter throughout their lengths as said adjustable nut is adjusted to increase or decrease the overall diameter of the effective abrasive portion of said tool, resilient means normally urging said abrasive units against said nut and in position to be retained on said spindle, said abrasive units being manually slidable on said spindle against the action of said resilient means away from said nut so as to be removable without disassembly of the nut or resilient means.

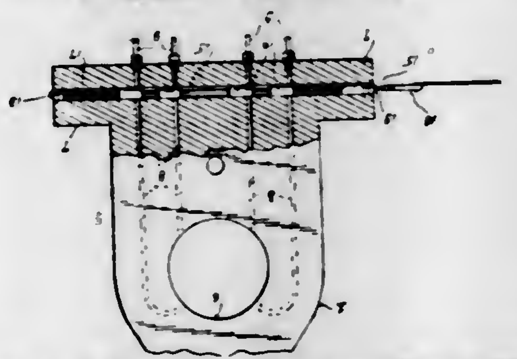
2,419,298

ENGINE FUEL VAPORIZER

Paul E. Stille, Royal Oak, Mich.

Application September 15, 1943, Serial No. 502,547

1 Claim. (Cl. 251—76)



A device of the character described comprising a flat plate formed with a plurality of ducts extending longitudinally in the plate with their outer ends opening through the outer side edge face of the plate, the outer end of said plate being formed with a bore extending transversely of the plate and intersecting said ducts, removable plugs closing ends of said bore, a rod extending longitudinally in said bore and projecting outwardly through one plug, blocks for closing the ducts firmly mounted upon said rod in spaced relation to each other and fitting snugly in the bore, a spring in said bore having one end abutting a plug and its other end abutting a block and urging the rod longitudinally to a normal position disposing the blocks in a closed position across the ducts, and an operating member engaging the outer end of the rod.

2,419,299

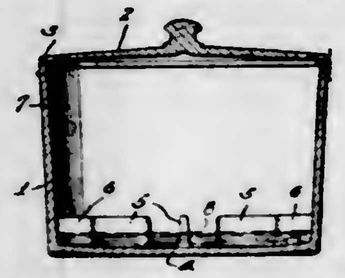
CHEESE CONTAINER

Arnold F. Tanner, Alliance, Ohio

Application June 8, 1945, Serial No. 598,391

2 Claims. (Cl. 99—269)

1. A cheese jar designed to carry a solution to prevent escape of the natural moisture of the cheese stored therein, and ribs integral with the side wall and radiating therefrom, said ribs being in contact with and extending slightly above the bottom of the jar, the ribs being alternately of short and long lengths, the short ribs being about one-half the length of the long ribs, the ribs upwardly tapering and sufficiently spaced to prevent the cheese falling between them.



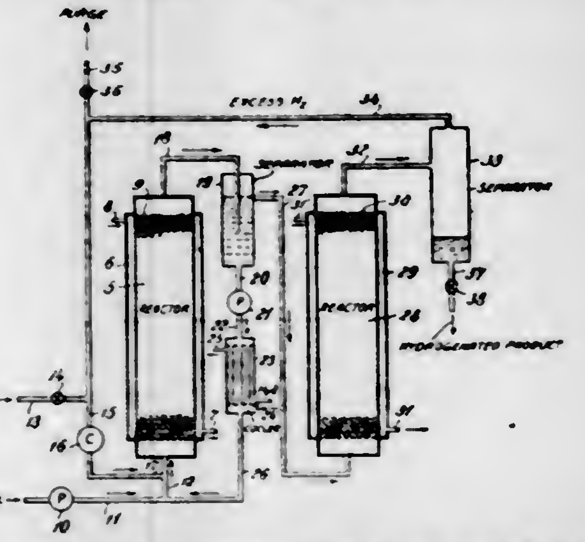
2,419,300

PRODUCTION OF 1,3-BUTYLENE GLYCOL

Richard C. Tollefson, Stamford, Conn., assignor to Air Reduction Company, Incorporated

Application August 10, 1944, Serial No. 548,842

2 Claims. (Cl. 260—635)



1. The method of converting aldol to 1,3-butylene glycol which comprises subjecting aldol to a hydrogenation catalyst in lump form in the presence of hydrogen at elevated pressure and at a temperature not substantially exceeding 75° C. until approximately 75% to 85% of the aldol has been hydrogenated to 1,3-butylene glycol, withdrawing the resulting product, cooling a portion of the product, returning the withdrawn cooled portion to the catalyst, subjecting the remainder of the withdrawn product in a separate reaction chamber to further reaction in the presence of a hydrogenation catalyst and hydrogen at elevated pressure and at a higher temperature not materially exceeding 115° C.

2,419,301

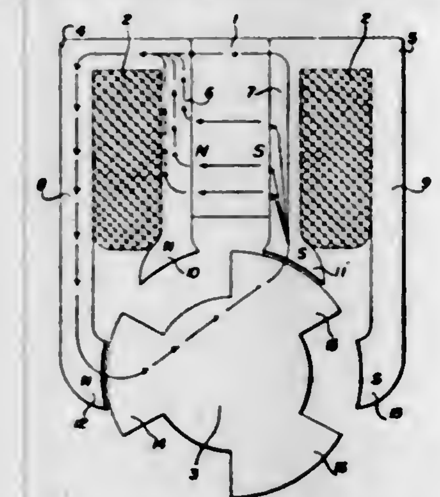
MAGNETO MAGNETIC CIRCUIT

Herbert R. Tragesser, Shaker Heights, Ohio, assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio, a corporation of Delaware

Application November 15, 1944, Serial No. 563,613

9 Claims. (Cl. 171—209)

1. A magneto comprising a permanent magnet, a pair of stator members located on either side of said permanent magnet and each being provided with a pair of pole pieces, a generating winding around parts of both of said stator members, and a rotor arranged to direct the flux from said magnet through pairs of said pole pieces of opposite polarity alternately in such a manner as to alternately reverse the direction to flux through said winding.



2,419,302

GLASS AND PROCESS OF MANUFACTURE THEREOF

Harry A. Truby, New Kensington, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania

No Drawing. Application March 25, 1944, Serial No. 528,159

4 Claims. (Cl. 106—53)

1. A process of producing substantially colorless dense flint glass, which comprises adding sodium sulphate to a batch from which the glass is prepared, to eliminate the color normally resulting when the batch is melted.

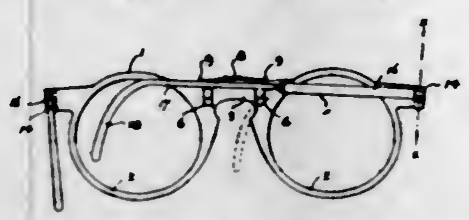
2,419,303

FOLDING SPECTACLE FRAME

William George Vasey, New Westminster, British Columbia, Canada

Application September 25, 1944, Serial No. 555,634

1 Claim. (Cl. 88—44)



A spectacle comprising a pair of eyepieces, a bridge, a hinge connecting each eyepiece to the bridge, a spring secured lengthwise of the bridge and extending therebeyond to engage the eyepieces, each extremity of the spring being upturned and provided with a downwardly projecting tongue, each of said eyepieces having an indent adapted to receive a tongue of the spring, the upturned end portions of said spring being adapted to facilitate the lifting of said tongues from the indents of the eyepieces.

2,419,304

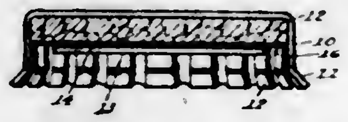
CAP

Albin H. Warth and Edgar Lidard, Baltimore, Md., assignors to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York

Application July 28, 1943, Serial No. 496,506

5 Claims. (Cl. 215—39)

1. A cap having a metal shell, a cushion liner therein, and a facing adhered to the liner by a stratum of adhesive composition comprising essentially a resin, a wax, and rubber, the resin being present in substantially higher percentage than the wax and rubber combined, the composition having a tacking point only within the range of from about 140° F. to about 172° F.



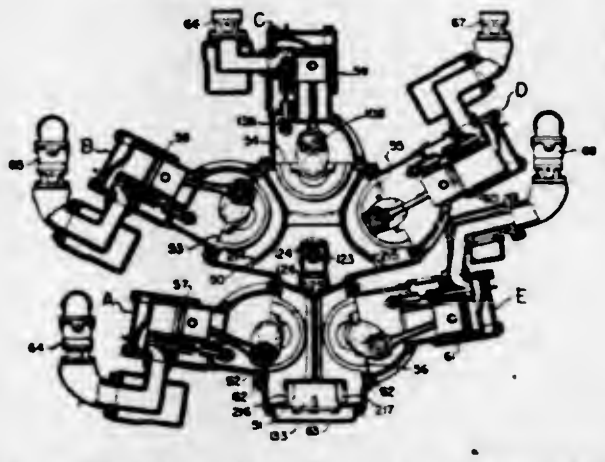
2,419,305

MULTIPLE ENGINE POWER PLANT

Harry T. Woolson and Melbourne L. Carpentier, Detroit, Mich., assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application December 17, 1942, Serial No. 469,348

6 Claims. (Cl. 123—55)



4. A multiple unit power plant comprising a central structure of approximate T-shape having the sides of the leg inclined to the vertical when considered in an upward direction and the ends of the crossbar of the T inwardly also inclined to the vertical but at a somewhat greater angle when considered in an upward direction, first and second engines secured to and extending in opposite directions from the sides of the leg of the T at angles somewhat above the horizontal, third and fourth engines secured to and extending in opposite directions from the ends of the crossbar of the T at somewhat greater angles above the horizontal, a fifth engine secured to and extending upwardly from the top of the crossbar of the T, a drive shaft mounted in the central structure, and means drivingly connecting the five engines with the drive shaft.

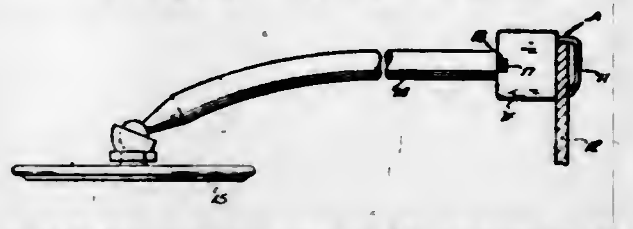
2,419,306

CLAMPING MEANS FOR MIRROR DEVICES AND THE LIKE

Frank Zeller, Brooklyn, N. Y., assignor to The Roberk Company, Norwalk, Conn.

Application October 5, 1945, Serial No. 620,552

2 Claims. (Cl. 248—226)



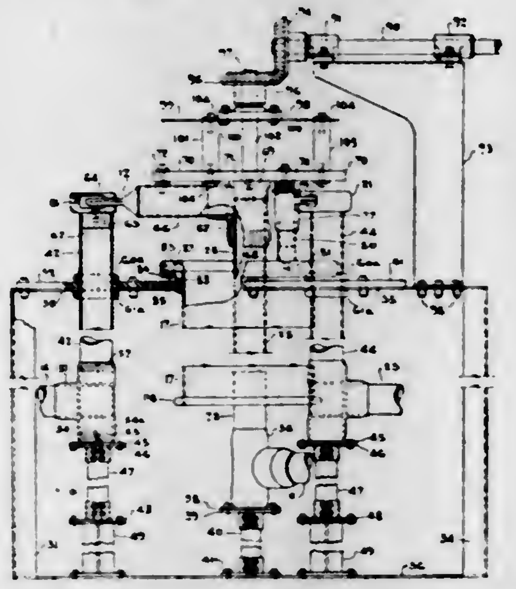
1. A bracket for mirrors to be mounted on automobiles, comprising a U-shaped clamping member adapted to be fitted upon the edge of a door, one side of the member being resilient to press against one face of the door along said edge, the other side of said member having a supporting rod affixed to it and extending therefrom, fastening devices carried by said member and flanking

said rod to engage the door and bind the clamp upon the edge thereof, and a hollow casing having an opening in one face and slidably mounted on said rod, the opposite face of the casing being opened so that the casing can be pushed along the rod towards said door to enclose and cover all of said clamping member except the resilient portion thereof.

2,419,307
HIGH-FREQUENCY SWITCHING SYSTEM

Paul D. Zottu, Louisville, Ky., assignor to The Girdler Corporation, Louisville, Ky., a corporation of Delaware

Application August 30, 1943, Serial No. 500,736
15 Claims. (Cl. 200—6)



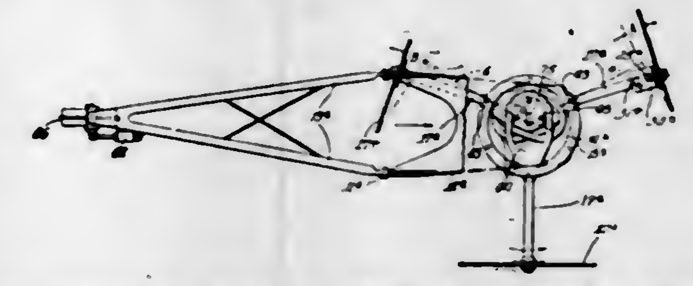
3. A transfer switch comprising a plurality of stationary contact structures, means supporting said structures at equal distances from an axis, an input contact arm, means rotatably supporting said arm for rotation about said axis for selective engagement with any one of said structures, bearing means concentric with said axis and spaced a substantial distance therefrom, contact arms supported by said bearing means for movement into and out of engagement with the structures not engaged by said input contact arm, electrical insulating means interconnecting said input arm and said contact arms, and switch actuating means connected to said electrical insulating means for operating said input arm and said contact arms for simultaneous movement from one to the other of their respective positions.

2,419,308
VEHICLE FOR EXPLODING LAND MINES AND FOR TAMPING GROUND

Ellsworth W. Austin, Cedar Rapids, Iowa, assignor to La Plant-Choate Manufacturing Co., Inc., Cedar Rapids, Iowa, a corporation of Delaware

Application January 7, 1944, Serial No. 517,333
19 Claims. (Cl. 97—43)

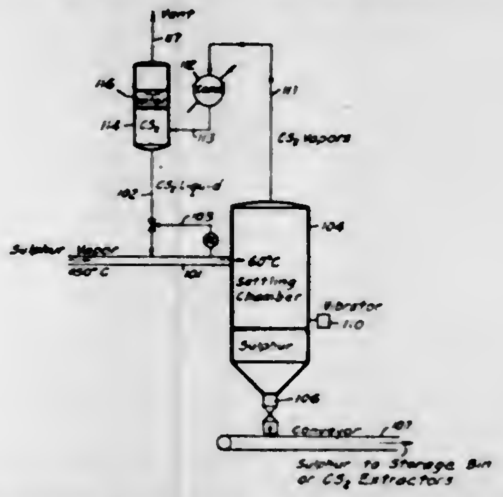
1. In a vehicle, a frame, a rotor thereon for rotation on a vertical axis, said rotor having supporting wheels spaced from the center of rotation and swingable relative to said rotor, means to rotate said rotor and cause said wheels to swing clockwise from a normal-to-radial position during one half of the revolution of the rotor and to swing counter-clockwise from normal-to-radial position during the other half of said revolution for thereby advancing said frame, the degree of advance in relation to the rate of rotation being such as to effect contact of said wheels with the ground surface at successive points substantially less than the distance from the center of rotation of said rotor to said wheels.



2,419,309
SULPHUR PRODUCTION

Arnold Belchetz, Larchmont, N. Y., assignor to Stauffer Chemical Company, a corporation of California

Application January 13, 1944, Serial No. 518,081
8 Claims. (Cl. 23—224)

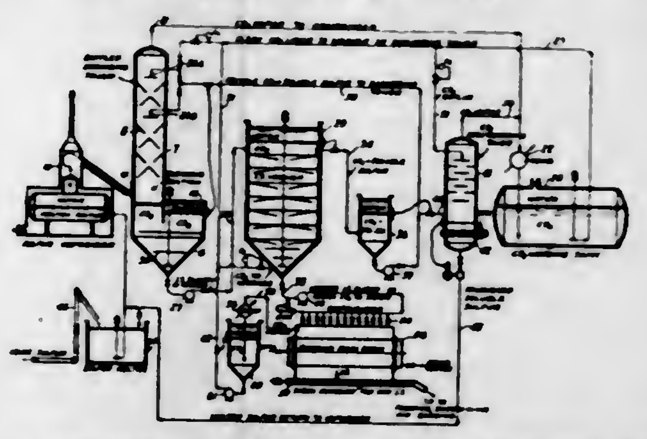


1. A process for production of sulphur comprising quenching sulphur vapor by introducing into a stream of said vapor sufficient carbon disulphide as a spray to remove from said sulphur vapor stream sufficient heat to condense substantially all of the sulphur as a finely divided solid sulphur, and recovering the sulphur.

2,419,310
SULPHUR PRODUCTION

Arnold Belchetz, Larchmont, N. Y., assignor to Stauffer Chemical Company, a corporation of California

Application November 7, 1944, Serial No. 562,375
24 Claims. (Cl. 23—224)

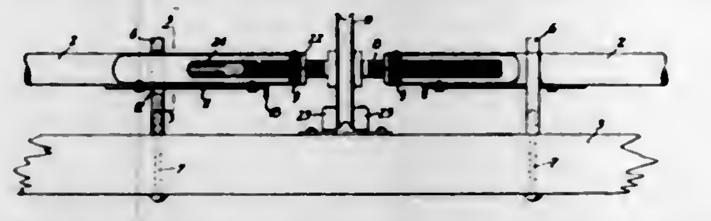


1. A process for production of sulphur comprising quenching sulphur vapor by introducing a stream of sulphur vapor into a body of carbon disulphide to quench the sulphur and form finely divided solid sulphur in said body, and recovering said finely divided sulphur from said body.

2,419,311
ANTENNA

Emile B. Bigué, Los Angeles, Calif.

Application December 19, 1944, Serial No. 568,820
3 Claims. (Cl. 250—33)

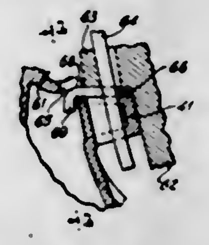


2. In an antenna system, an antenna element comprising a pair of axially aligned sections, and means including a screw interposed between the sections for axially moving the latter to change the length of said element, said screw having an insulated portion.

2,419,312
CAR BRAKE HEAD

Charles R. Busch, Orange, N. J., assignor to Buffalo Brake Beam Company, New York, N. Y., a corporation of New York

Original application August 5, 1943, Serial No. 497,418, now Patent No. 2,398,918, dated April 23, 1946. Divided and this application June 16, 1944, Serial No. 540,655
7 Claims. (Cl. 188—243)



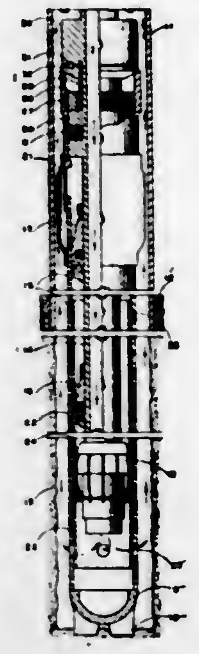
7. A wear protecting plate for the bottom lug of a car brake head and having a length to extend transversely of the lug, the plate provided with a pair of spaced apart rearwardly extending arms, one arm at each end of the plate and each arm having a hook-like element, both elements extending from the rear of the plate, and the plate having a key-receiving notch opening rearwardly into the space between the arms, the notch having a width less than the distance between the arms.

2,419,313
APPARATUS FOR PREVENTING CONTAMINATION OF WELL LINERS

Edwin E. Byrd, Midland, Tex., assignor to Standard Oil Development Company, a corporation of Delaware

Application December 2, 1943, Serial No. 512,586
5 Claims. (Cl. 166—20)

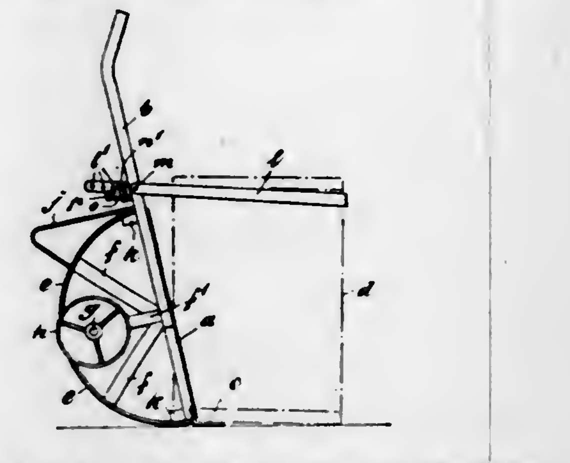
1. An assembly for use in a borehole comprising, in combination, a screen assembly including a cylindrical screen member provided with at least one large and a plurality of small circumferential openings, a sleeve carried by the screen member longitudinally movable with respect thereto arranged to expose the large and to close the small screen openings when in a first position and to close the large and to expose the small openings when in a second position, a packer carried by said screen assembly above said circumferential openings of the screen member, a tubular member with at least the lower end thereof arranged within said screen member, and means carried by said tubular member adapted to engage and move said sleeve from its first position to its second position upon longitudinal movement of the tubular member relative to the screen member and other means carried by the tubular member adapted to engage with the packer to set it upon longitudinal movement of the tubular member relative to the screen member.



2,419,314
HAND TRUCK FOR HANDLING BARRELS

John McLaren Donald, Birmingham, England

Application January 31, 1945, Serial No. 575,520
In Great Britain February 12, 1944
2 Claims. (Cl. 214—65.4)



1. A hand truck comprising, in combination, a platform, arcuate rockers extending under the platform from one end of the platform, wheels for supporting the platform when in a substantially horizontal position, a clamping band for embracing a load upon the platform, a clamping member separate from the clamping band and substantially in the plane of the clamping band, and adjustable means for raising the clamping member against a load on the platform to lift the load and hold it against the clamping band.

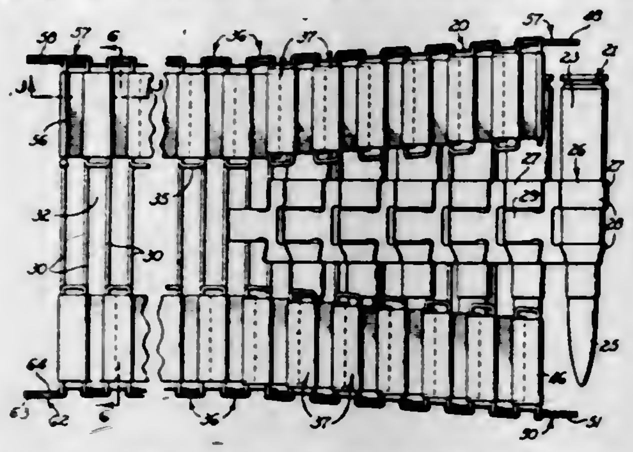
2,419,315
FLEXIBLE CHUTE

Harry E. Elliott, Los Angeles, Calif., assignor to Hughes Tool Company, Houston, Tex., a corporation of Delaware

Application October 27, 1941, Serial No. 416,665
28 Claims. (Cl. 193—25)

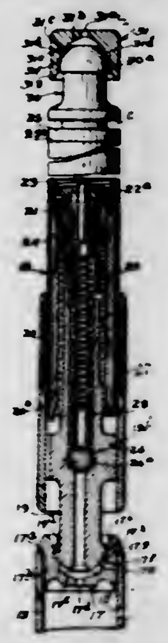
25. In a flexible feed chute, the combination of a plurality of transverse elements disposed side-by-side to outline a member-guiding passage, means for interconnecting said transverse elements for limited movement in a direction toward

and away from each other, and a plurality of overlapping wall plates supported within said passage by said transverse elements and forming an articulated lining therefor.



2,419,316
ANTICRASHING DEVICE FOR AUTOMATIC PUSH RODS

Herbert H. Engemann, Cleveland Heights, Ohio
Application June 2, 1944, Serial No. 538,453
3 Claims. (Cl. 123—90)

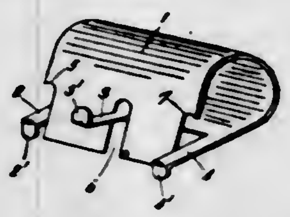


1. A push rod assembly comprising a push rod having male and female threaded parts, one of said parts having a ball end, a bearing cup receiving said ball end in tiltable and rotatable relationship, said bearing cup having an annular spherical segment socket wall, said annular socket wall having a width substantially less than one-fourth the great circle circumference of said ball end and disposed in annular engagement with the ball end to provide an effective torque arm of predetermined length for the frictional resistance between said ball end and bearing cup in opposition to rotation of the ball end with respect to said bearing cup, said effective torque arm being sufficient to prevent crashing of said threads of said male and female parts during the normal compression stroke of the push rod.

2,419,317
SPRING CLIP FOR SECURING CONDUITS, WIRING, AND THE LIKE TO STRUCTURAL PARTS

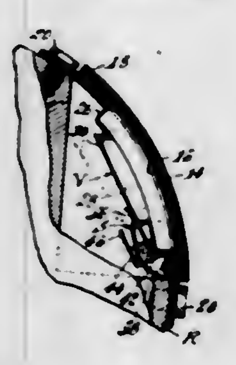
Eric Vincent Hall, Hull, England, assignor to Blackburn Aircraft Limited, Brough, England
Application January 16, 1945, Serial No. 572,992
In Great Britain January 25, 1944
2 Claims. (Cl. 248—74)

1. A spring fastener for attaching wires, cables, pipes and similar elongated elements to a flat supporting member, such as a wall plate, provided with a cut-out having two substantially parallel opposite edges, said fastener comprising a strip adapted to be applied to a flat surface and of spring metal having at one end a portion provided with a number of parallel elongated recesses and at its other end, a corresponding number of tongues with hook-shaped ends, the body portion of said strip between said ends forming a loop to surround the element to be attached to the supporting member with said tongues projecting through said recesses, at least one of said tongues extending through the corresponding recess near the outer end thereof and having its hook-shaped end pointing in the general direction towards the outer end of said recess and at least one other tongue extending through the corresponding recess near the inner end thereof at an angle to said first mentioned tongue and having its hook-shaped end pointing in the general direction toward the inner end of the recess, whereby the opposite hook-shaped ends of said tongues can be engaged behind the opposite substantially parallel edges of the cut-out in the supporting member when said end portion of the fastener strip provided with said recesses is applied to the flat surface of the supporting member.



2,419,318
CHECK VALVE

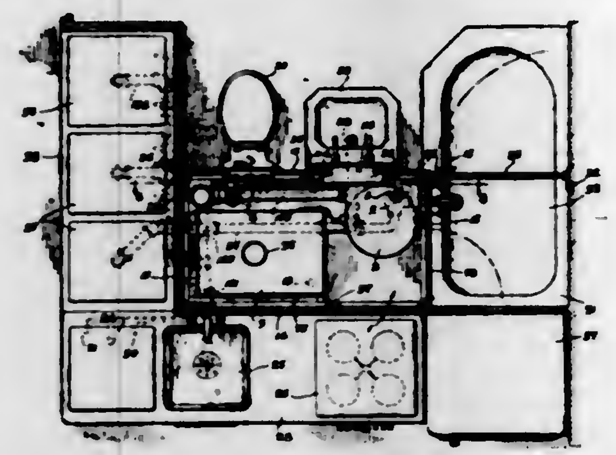
James P. Johnson, Cleveland, Ohio, assignor to The Aro Equipment Corporation, Bryan, Ohio, a corporation of Ohio
Application November 8, 1944, Serial No. 562,421
5 Claims. (Cl. 251—125)



1. In a check valve of the character disclosed, a mounting plate having a central opening terminating in a circular valve lip, a relatively thin disc-like vane adapted to seat against said valve lip, a leaf spring having a portion engaging said vane within the outline of said valve lip to normally retain said vane seated against the lip, a bracket having a first flange, a second flange extending from one edge thereof and a pair of flanges at the terminal of said second flange extending substantially parallel to said valve lip and spaced therefrom, and flanges extending downwardly from said pair of flanges and cooperating therewith and with said second flange to form box-like pivot receiving elements, said third flanges terminating in stop arms extending beyond the box-like elements to limit opening movement of said vane, said vane having a pair of pivot ears loosely received in said box-like elements to permit free floating movement therein when the vane is opened with relation to the valve lip by the intake of air through the opening, said spring and said first flange being secured to said mounting plate.

2,419,319
PORTABLE UTILITY BUILDING CORE UNIT

Joel Fletcher Lankton, Peoria, Ill.
Application April 9, 1945, Serial No. 587,304
3 Claims. (Cl. 20—2)

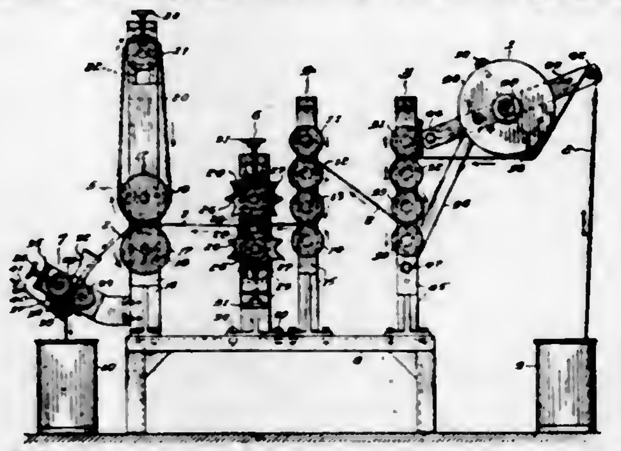


1. A pre-fabricated portable structural utility building core unit comprising, in combination, an upright, rigid, outer structural frame having horizontal rectangular top and bottom frame sections interconnected by vertical corner and intermediate frame members defining four vertical side walls providing substantial interior space, an assembled supply, soil and vent piping system including manifolds disposed within said interior space, the major portion of said manifolds being located substantially within the lower portion of said interior space and adjacent said bottom frame section and certain of said side walls to provide an unobstructed space for the reception of service fixtures, tie means rigidly attaching said piping system at spaced points in supported relation to contiguous frame members of said side walls, certain structural members of said frame presenting means for supporting said service fixtures when inserted in said unobstructed space, said piping system having conduits extending contiguous to the bottom of said frame for attachment to external service mains, and having other conduits extending from within said frame contiguous to a plurality of said side walls for attachment from outside to household devices and fixtures to be arranged in externally spaced relationship therealong.

2,419,320
PROCESS AND APPARATUS FOR PRODUCING STAPLE FIBERS

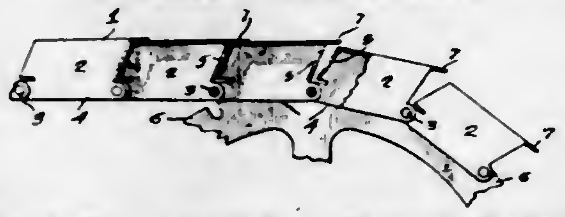
James Louis Lohrke, Thornbury Township, Delaware County, Pa.
Application May 8, 1943, Serial No. 486,480
17 Claims. (Cl. 19—1)

5. Apparatus for converting a sliver of textile filaments into a sliver of staple fibers, comprising a set of feed rolls adapted to nip the sliver and feed the same continuously into a reducing zone at a given speed, a set of delivery rolls adapted to nip the sliver and withdraw it from said zone continuously at an increased speed and thereby progressively tension the individual filaments and break the same into staple fibers, and means positioned between said sets of rolls and adjacent the normal path of travel of said sliver through said zone for intermittently acting upon said sliver and abruptly bending and thereby weakening the tensioned filaments and predetermining the breaking points thereof.



2,419,321
CHAIN

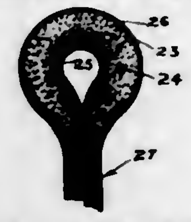
Manuel A. Lopes, Vallejo, Calif.
Application February 2, 1946, Serial No. 645,108
4 Claims. (Cl. 198—189)



1. A chain comprising channel-shaped links pivotally connected near the open sides thereof and each link having the ends of the flanges of said channels bent to form abutments arranged to abut the abutments of adjacent links pivotally connected thereto.

2,419,322
COMPOSITE WEATHERSTRIP

Willard R. Matheny, Chicago, Ill., assignor to Nellie F. Harnly, Chicago, Ill.
Application March 27, 1944, Serial No. 528,218
2 Claims. (Cl. 20—69)



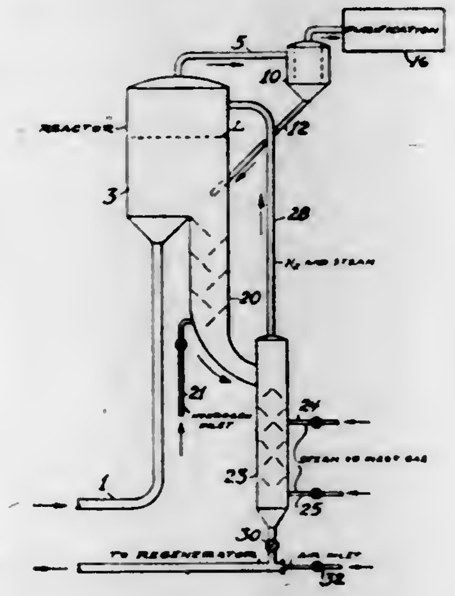
1. As an article of manufacture, a weatherstrip including a beaded part and a radially extending flange thereon for attaching the beaded part to an article to be weatherstripped, said weatherstrip comprising a body strip of a resilient material of a consistency to provide a relatively loose, highly compressible portion on one side of the body strip and to be progressively less compressible and denser toward the other side of the strip, said strip being bent back upon itself to form the bead and the flange with the loose relatively highly compressible portion of the material at the inner side of the bead and the flange.

2,419,323
CONVERSION OF HYDROCARBON OILS

Richard N. Meinert, Westfield, and Philetus H. Holt, 2nd, Summit, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application December 7, 1944, Serial No. 567,064
3 Claims. (Cl. 196—52)

1. In the continuous hydroforming of naphthas performed in a reaction zone where a catalyst

consisting essentially of one of the class of chromium oxide and molybdenum oxide on zinc spinel, which catalyst is in powdered form and is maintained in contact with the vapors of reactants by causing it to be suspended in the reactants in the form of a dense, fluidized, turbulent mass maintained under reforming conditions of temperature and contact time, the pressure in the reaction zone being from 15–50 pounds per square inch gauge, the improvement which comprises continuously withdrawing a quantity of catalyst from the reaction zone for purposes of regeneration and prior to such regeneration removing volatile hydrocarbons therefrom in a stripping zone by causing the catalyst to flow countercurrently against a current of gas containing hydrogen in said stripping zone, withdrawing catalyst from the stripping zone, discharging it into a second stripping zone, treating the said catalyst with steam in the said second stripping zone to dislodge hydrogen whereby the catalyst is prepared for regeneration.

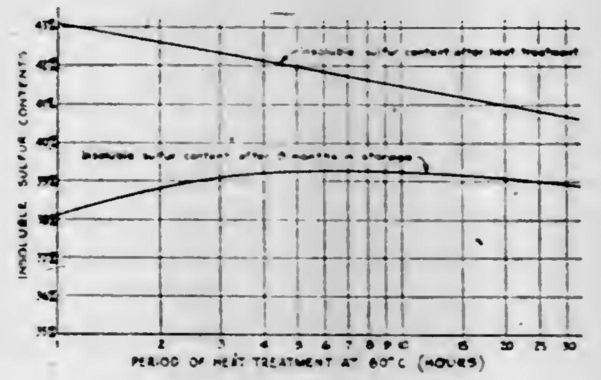


2,419,324
TREATMENT OF INSOLUBLE SULPHUR

Edmund C. Missbach, Oakland, Calif., assignor to Stauffer Chemical Company, a corporation of California

Application May 14, 1945, Serial No. 593,610

14 Claims. (Cl. 23—224)



1. The process of stabilizing the carbon bisulphide insoluble fraction of a sulphur against reversion at ordinary temperatures to the soluble form comprising maintaining the sulphur at a temperature of from about 50° C. to about 60° C. for a time sufficient to stabilize the original insoluble fraction, and insufficient to cause more than a slight reduction of the insoluble sulphur content, and then cooling the material to the temperature of the atmosphere while said material has substantially its original insoluble sulphur content.

2,419,325
LUBRICATING COMPOSITION

John M. Musselman, South Euclid, Ohio, assignor to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application November 13, 1945, Serial No. 628,382

13 Claims. (Cl. 252—32.7)

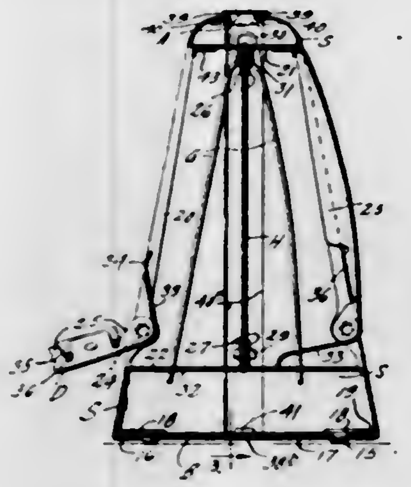
1. A new lubricating oil composition of matter comprising a major portion of a lubricating oil and an amount of an additive sufficient to improve the stability of the lubricating oil, said additive comprising the metal compound of the reaction product of an oxygenated petroleum hydrocarbon boiling above the hereinafter named reaction temperature and an amount of phosphorus pentasulphide within the range of 14 to 30% and at least stoichiometrically sufficient to supplant the oxygen of the oxygenated petroleum hydrocarbon with sulphur, reacted at a temperature within the range of 275 to 425° F. to form a reaction product separable from a sludge comprising the major part of the phosphorus in the pentasulphide, and subsequently converted into said metal compound.

2,419,326
TOASTER

Nicholas Schafnitz, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri

Original application October 16, 1941, Serial No. 415,236. Divided and this application October 19, 1943, Serial No. 506,813

3 Claims. (Cl. 99—395)



1. In a toaster, a base plate, a pair of side plates upstanding therefrom and having door openings therein and having spaced vertical flanges at the top and bottom between said door openings, a heating element confined between said flanges, projections on said bottom flanges extending through said heating element to prevent dislocation thereof in a vertical plane, said projections being bent to prevent spreading of the lower ends of said side plates, and grid wires having U-shaped portions at their upper ends which straddle said upper heating element retaining flanges and constrain them to engage against said heating element whereby said upper flanges are retained against spreading.

2,419,327
CORROSION INHIBITORS—NITRITE SALTS OF SECONDARY AMINES

Aaron Wachter and Nathan Stillman, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application June 28, 1943, Serial No. 492,640

5 Claims. (Cl. 252—392)

1. A non-corrosive composition of matter comprising an organic material having a pH of at least approximately 7 and coming in contact with water during the useful life thereof, said organic material having dissolved therein in minor proportion, but in amount sufficient to inhibit corrosion of metal surfaces by said water, a nitrite salt of a secondary amine, said secondary amine salt being stable at atmospheric temperature, soluble in water and in said organic material.

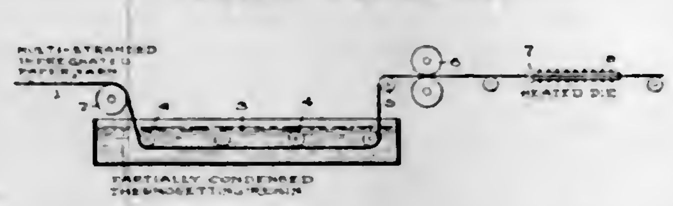
2,419,328
MANUFACTURE OF STRING OR THE LIKE

John Hill Watson and Hugh Edward Anderson, Linwood, Scotland, and Edward Reeve Angel, Beaconsfield, England

Application November 13, 1944, Serial No. 563,314

In Great Britain August 10, 1943

1 Claim. (Cl. 28—75)


MULTI-STRANDED IMPREGNATED PAPER YARN
7
HEATED DIE
PARTIALLY CONDENSED THERMOSETTING RESIN

The method of producing impregnated cordage which comprises forming cordage from a plurality of strands of paper impregnated with constituents of a thermo-setting, synthetic resin, impregnating the cordage thus formed with a partially condensed thermo-setting, artificial resin, drawing the impregnated cordage through a die of such size and at such temperature that it is shaped to desired cordage form and the strands forming it are bonded to one another simultaneously with further condensation of the thermo-setting resin.

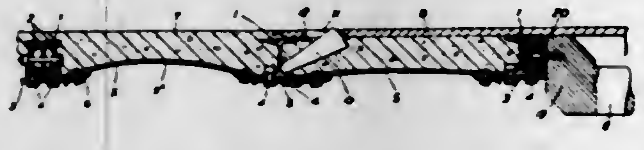
2,419,329
MEANS FOR LINING TUNNELS

Alford Donald Gratton Wilson, Buckhurst Hill, England

Application February 6, 1945, Serial No. 576,492

In Great Britain February 3, 1944

4 Claims. (Cl. 61—45)



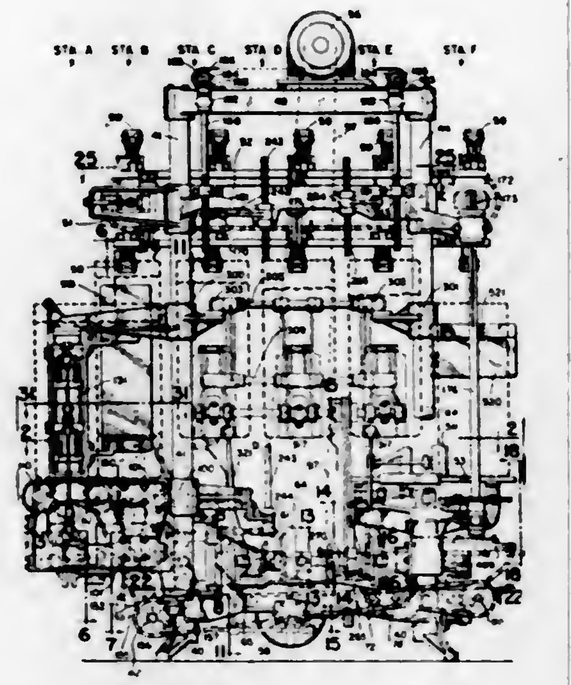
1. Apparatus for lining tunnels having spaced parallel I-section ribs comprising in combination, a plurality of arched shuttering plates, spring clips provided on the edges of said arched shuttering plates and a cover plate, wider than the flanges on the rib section, secured to the inner flange of each such rib section with which cover plate said spring clips co-operate to maintain the arched shuttering plates in position while the space between the wall of the excavation and the arched shuttering plates is being filled and until the concrete has set.

2,419,330
COMPACTING FLOUR IN BAGS

Helmer Anderson, Minneapolis, Minn., assignor to General Mills, Inc., a corporation of Delaware

Application May 13, 1943, Serial No. 486,918

17 Claims. (Cl. 259—72)



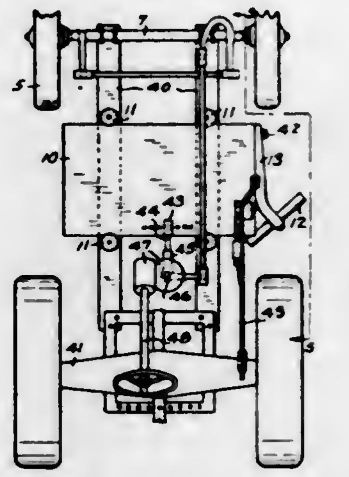
1. The process of compacting flour in open top bags and shaping same before closing comprising suspending the bag by the open top, and subjecting the sides of the bag to oppositely directed vibratory pressure while so suspended.

2,419,331
TRACTOR GRAPE HOE

Ernest Best, Fredonia, N. Y.

Application December 28, 1943, Serial No. 516,126

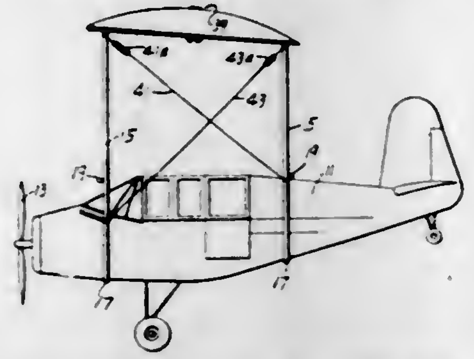
12 Claims. (Cl. 97—137)



2. In a tractor propelled grape hoe adapted to be connected with a tractor, that has the usual tractor steering mechanism, frame means secured to the tractor, a platform supported by said frame means for movement transversely of the tractor, a soil cultivating blade carried by said platform, and means connecting said platform with the steering mechanism of the tractor for moving said platform in the same direction in which the tractor is steered by operation of said tractor steering mechanism.

2,419,332
AIRPLANE WING STRUCTURE

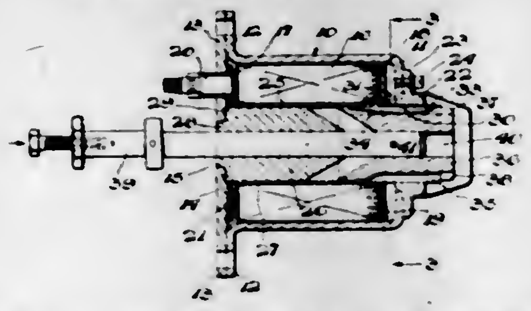
William K. Canaday, Memphis, Tenn.
Application December 26, 1944, Serial No. 569,780
1 Claim. (Cl. 244—117)



In an airplane having a fuselage, a wing structure comprising a rigid rectangular frame having a width substantially twice its fore and aft depth, ribs in pairs extending diagonally from the corners of said frame, additional ribs extending fore and aft in pairs spaced apart substantially the width of the fuselage of the plane, and a pair of ribs centrally disposed between the fore and aft edges of said frame, and extending transversely thereacross the ribs of said pairs respectively underlying and overlying the one the other, said ribs being tubular and flattened at their ends to over or underlie said frame, the underlying said ribs being straight to establish a substantially flat under-surface and the upper said ribs arching upwardly and inwardly from said frame to establish a bracing structure, said ribs being rigidly secured together at crossing points; and a smooth cover intimately housing said ribs and said frame, and secured thereto and posts in pairs secured to the opposite sides of said fuselage and spaced along said fuselage to underlie the fore and aft edges of said wing frame, said posts extending vertically from said fuselage and being respectively integrally connected with the frame of said wing at junctions of said additional pairs of ribs therewith.

2,419,333
SOLENOID

William J. Christiansen, Teaneck, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application September 20, 1944, Serial No. 554,953
4 Claims. (Cl. 175—341)



1. In a construction of the class described, an exciting coil, a casing enclosing said coil and have an end wall formed with an opening, a nonmagnetic guide sleeve disposed within said coil, a magnetic plug disposed within one end of said sleeve and having a radial face formed with a boss fixed in said opening and with teeth penetrating said end wall adjacent said opening to maintain said plug fixed to said casing, a magnetic plunger slidably mounted within the other end of said sleeve, one side of said other end of said sleeve being formed with a slot and an outwardly disposed detent engaging the adjacent end of said coil and coacting with said plug to maintain said coil in a fixed position within said casing, the opposite side of said end being fashioned with an inwardly disposed rib, an incurvated leaf spring within said other end of said sleeve and formed with an end portion disposed in said slot for anchoring said spring to said sleeve, the circumferential face of said plunger being formed with oppositely disposed longitudinal grooves receiving said spring and rib respectively and with the spring engaging said plunger and coacting with said rib to dampen vibratory movement of said plug relative to said sleeve while said coil is deenergized, said rib coacting with said plunger to preclude rotation thereof relative to said sleeve during energization and deenergization of said coil.

2,419,334
DERIVATIVES OF AMINO-BENZO-p-DIOXANS

Robert C. Conn and Frederic H. Adams, Bound Brook, and John P. Goulding, Neshanic Station, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application December 10, 1943, Serial No. 513,734
5 Claims. (Cl. 260—338)

1. Chemical compounds selected from the group consisting of bases represented by the formula X—NH—Y and the salts thereof in which X represents a mono nuclear p-aminoaryl radical of the benzene series and —NH—Y represents the residue of a heterocyclic compound selected from the group consisting of 6-amino-benzo-para-dioxan and 7-amino-benzo-para-dioxeno-para-dioxan.

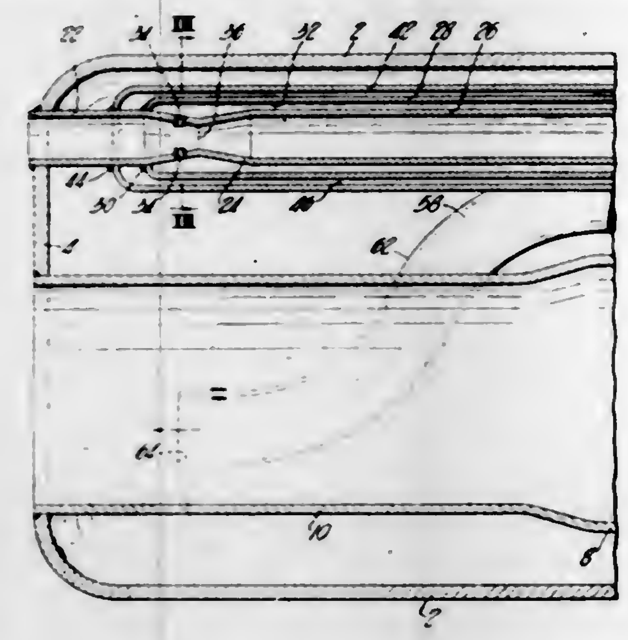
2,419,335
PURIFICATION OF BUTADIENE BY EXTRACTIVE DISTILLATION WITH NITROPARAFFIN SOLVENTS

David Craig, Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application May 2, 1942, Serial No. 441,543
4 Claims. (Cl. 202—39.5)

1. A process for separating and recovering butadiene from a mixture of four-carbon hydrocarbons having substantially the same boiling points and including butadiene, butylenes and butanes, which comprises bringing the said mixture of hydrocarbons in the gaseous state into contact with a liquid nitroparaffin of the formula $R—NO_2$ wherein R is an alkyl group containing less than six carbon atoms, and recovering enriched butadiene from the nitroparaffin.

2,419,336
OIL BURNER

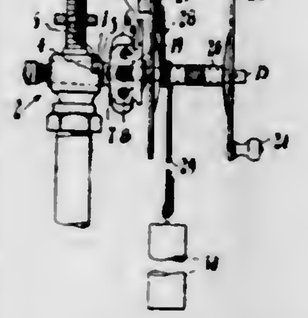
Howard S. Cress, Duluth, Minn., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application March 6, 1944, Serial No. 525,218
2 Claims. (Cl. 299—140)



1. An oil burner comprising a steam supply line, an orifice type burner head attached to said supply line, an oil supply line surrounding said steam line, and a plurality of tubes extending from the oil line into the burner head between the orifice and the discharge of the head, the discharge ends of said tubes being spaced from the center line of said head a distance substantially equal to the radius of said orifice.

2,419,337
TIME-DELAY DEVICE FOR ACTUATING VALVES AND THE LIKE

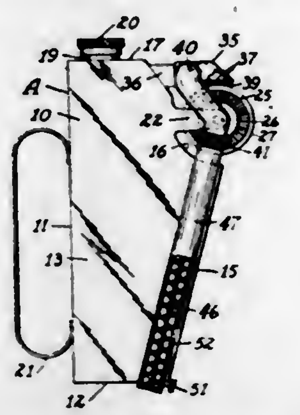
Rudolf D. Delamere, Toronto, Ontario, Canada
Application March 19, 1946, Serial No. 655,466
12 Claims. (Cl. 161—9)



1. In a time-delay device for actuating valves and the like, a rotatable valve member for opening and closing the valve, a shaft secured to the rotatable valve member, a sleeve journalled on the shaft, means for retarding the speed of rotation of the sleeve on the shaft, a part projecting outwardly from the sleeve, a cord connected at one end to the outwardly projecting part, means for exerting a pull on the cord, the cord being adapted to be wound around the sleeve and to slowly rotate said sleeve as it unwinds and when fully unwound to increase its radius relative to said rotatable valve member and therefore the torque applied to the said rotatable member, causing said member to be turned to close the valve.

2,419,338
PORTABLE PAINT APPLYING DEVICE

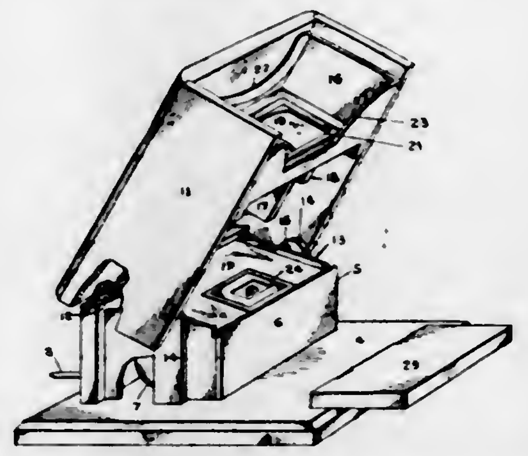
Joseph C. De Marco, St. Paul, Minn.
Application October 4, 1943, Serial No. 504,815
10 Claims. (Cl. 91—62.5)



7. A paint applying device comprising a reservoir, a roller extending transversely of said reservoir near the upper extremity thereof, a manifold adjacent said roller for delivering paint thereto, a hollow tubular conduit extending from the lower extremity of said reservoir to a point adjacent one end of said roller, bevel gear means supported in the upper extremity of said conduit, said bevel gear means having an opening therethrough through which paint may flow, a shaft in said conduit operated by said bevel gear, a pump connected to said shaft, a conduit connecting the upper end of said hollow bevel gear to said manifold, and bevel gear means in said roller cooperable with said first named bevel gear to actuate said pump.

2,419,339
TRANSPARENT PICTURE VIEWER

Robert N. Dennis, Pelham Manor, N. Y.
Application February 21, 1945, Serial No. 578,979
2 Claims. (Cl. 88—1)



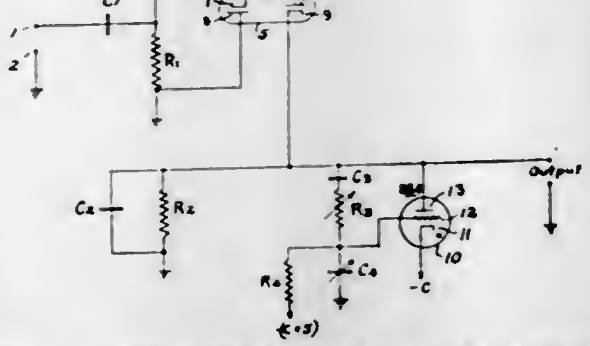
1. In a transparent picture viewer, the combination of a base member, an open top housing rigidly secured thereto, lighting means with power connection mounted in said housing, a front pitched translucent plate fitting over said housing, an open ended cover hinged to the back of said housing, a pair of supports pivoted within said cover on either side to hold said cover in its open position, an adjustable frame element carrying a pair of lenses slidably mounted in said cover and a front door for the front open end of said cover hingedly mounted on its bottom edge at the front of the said base member.

2,419,340
PULSE WIDENING CIRCUITS

Allan Easton, Long Island City, N. Y., assignor to Emerson Radio and Phonograph Corporation, New York, N. Y., a corporation of New York
Application August 7, 1945, Serial No. 609,478
3 Claims. (Cl. 320—1)

1. A pulse widening circuit comprising a condenser which may be charged by an incoming pulse, a delay network connected to said con-

denser to be operative after a predetermined interval, and a radio tube connected to said delay



network through which said condenser is discharged after said interval.

2,419,341
DISSOLVING CELLULOSE

Sidney M. Edelstein, Elizabeth, N. J.

No Drawing. Application December 13, 1943, Serial No. 514,164

5 Claims. (Cl. 260—212)

1. In making a solution of cellulose, the method which comprises treating cellulose of mean fiber length not substantially above 200 microns with a solution of an alkali metal hydroxide containing dissolved alkali metal zincate.

2,419,342
CATALYSTS FOR HYDROCARBON CONVERSION

Kenneth C. Edson, Los Angeles, Calif., and Frank E. Fisher, Pawhuska, Okla., assignors to Skelly Oil Company, Tulsa, Okla., a corporation of Delaware

No Drawing. Original application December 7, 1942, Serial No. 468,110. Divided and this application June 19, 1944, Serial No. 541,118

6 Claims. (Cl. 252—211.5)

1. A catalyst for hydrocarbon conversion consisting essentially of about 84% by weight of a carrier, about 8% of an oxide from the group consisting of chromium oxide, vanadium oxide and molybdenum oxide, and about 8% of barium peroxide.

2,419,343
PROCESS OF PREPARING CATALYSTS

Kenneth C. Edson and Frank E. Fisher, Pawhuska, Okla., assignors to Skelly Oil Company, Tulsa, Okla., a corporation of Delaware

No Drawing. Application December 7, 1942, Serial No. 468,110

9 Claims. (Cl. 252—251)

1. The process of preparing a catalyst for hydrocarbon conversion which comprises impregnating a carrier with an aqueous solution of a compound of an element from the group consisting of chromium, molybdenum and vanadium, drying to remove water, wetting the composition thus obtained with a nonaqueous nonionizing organic liquid, and admixing therewith an oxide of barium, heating to volatilize said liquid and further heating in an oxidizing atmosphere sufficiently high to decompose the first mentioned compound to form the oxide and convert the oxide of barium to the peroxide.

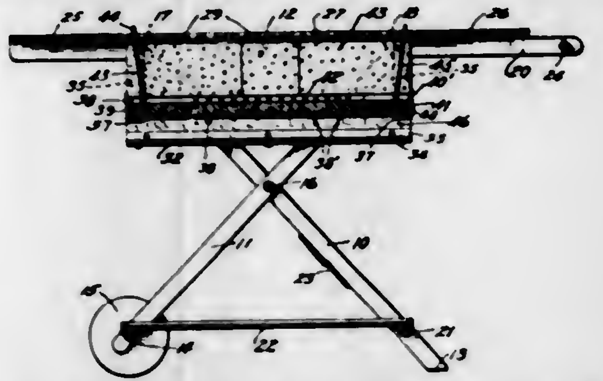
2,419,344
PORTABLE BARBECUE

Erryl G. Eggleston, South Gate, Calif.

Application July 9, 1943, Serial No. 494,099

7 Claims. (Cl. 126—25)

1. A portable barbecue, including a fire-box structure formed with a substantially horizontal bottom panel, substantially vertical parallel side panels extending upwardly from the opposite side edges of the bottom panel, a grill disposed over the space defined by the side panels and the bottom panel, the opposite ends of the structure formed by the panels being open, a frame structure disposed within the space defined by said panels and spaced therefrom, and side and bottom refractory elements carried by the frame structure to form a lining for the fire-box.

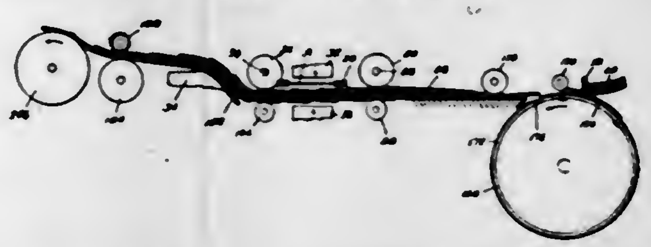


2,419,345
ADDRESSING MACHINE AND SHEET FEEDING MEANS THEREFOR

Harmon P. Elliott, Watertown, Mass.

Application February 8, 1943, Serial No. 475,072

5 Claims. (Cl. 101—48)



1. In an addressing machine having a printing position, a sheet feeding means at the approach to the printing position and a sheet feeding means beyond the printing position and spaced substantially from said approach sheet feeding means, means coacting with the approach sheet feeding means for assembling work sheets into a train of overlapping work sheets, and means for intermittent drive of said sheet feeding means for step by step advance of the train of overlapping work sheets thereby to advance the leading edge portion of each sheet in succession to the printing position, said substantially spaced sheet feeding means supporting the train of work sheets as a bridge spanning the printing position and constituting the only support for the said bridge of work sheets during each advance of the train.

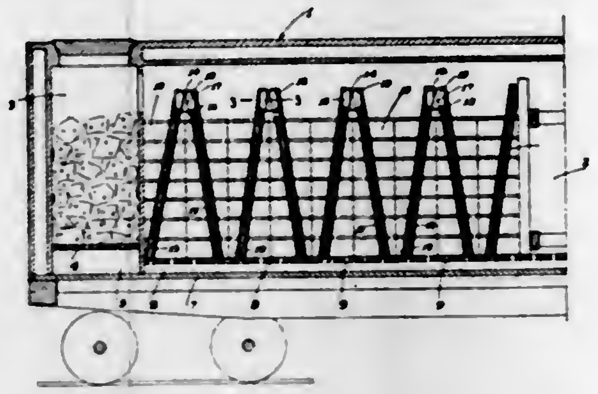
2,419,346
LOAD SPACING ASSEMBLY

Clarence M. Ellis, Lodi, Calif., assignor of one-third to J. E. Devine and one-third to James M. Prentice, both of Lodi, Calif.

Application November 13, 1945, Serial No. 627,989

6 Claims. (Cl. 105—369)

1. A spacing assembly for spaced parallel rows of stacks of boxes disposed in a car, such assembly comprising a plurality of upstanding pieces of lumber disposed in the spaces between the adjacent rows of boxes, each piece of lumber extending diagonally across one stack of boxes from a point adjacent one lower corner thereof to a point adjacent the opposite upper corner thereof, the pieces across adjacent stacks extending in relatively opposite directions so that the upper and lower ends of the pieces on adjacent stacks respectively converge toward each other, whereby to form a zig-zag pattern in the space along the row of stacks, and means to maintain said pieces in such position.



2,419,347
POLYMERIZATION CATALYSTS

Vernon L. Folt and Forrest W. Shaver, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application March 13, 1944, Serial No. 526,323

8 Claims. (Cl. 260—88)

1. The method which comprises polymerizing in aqueous emulsion a monomeric material consisting predominantly of vinyl chloride in the presence of a bis(ortho-alkoxybenzoyl) peroxide containing no substituent groups other than alkoxy groups, as catalyst.

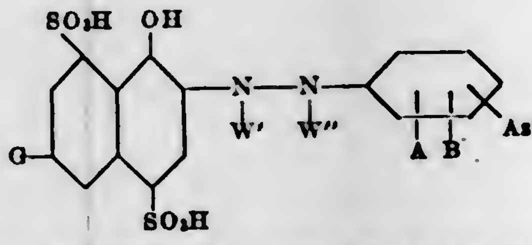
2,419,348
ARSENIC COMPOUNDS OF PHENYL-HYDRAZO-NAPHTHOL SULFONIC ACIDS

Ernst A. H. Friedheim, New York, N. Y.

No Drawing. Application October 31, 1942, Serial No. 464,079

4 Claims. (Cl. 260—440)

4. A hydrazo-compound of the general formula



wherein G is selected from the group consisting of H and SO_3H; A and B are selected from the group consisting of H and OH; and —AsD is selected from the group consisting of arsonic acid radicals, —As=O and arseno-radicals, and W' and W'' are selected from the group consisting of hydrogen and alkyl radicals.

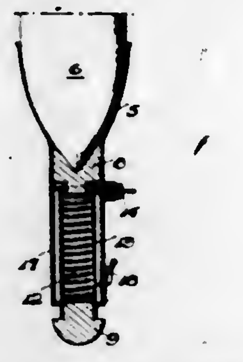
2,419,349
FIRING MECHANISM

Samuel Gilbert, Verona, N. J., assignor to Bendix Aviation Corporation, Bendix, N. J., a corporation of Delaware

Application May 5, 1943, Serial No. 485,761

2 Claims. (Cl. 102—7.4)

2. An attachment for a projectile having a charge-containing end normally rendered effective upon an appreciable penetration of a target; said attachment comprising a cup-shaped member having resilient means adapted to be removably secured about the charge-containing end; a tube integral with said member; a spring pressed sleeve slidably mounted in said tube; latch means latching said sleeve in retracted position in said tube, and stop means for securing said sleeve in extended position without said tube, upon release of said latch means, for engagement with said target and thus transmit shock to said member for rendering said charge-containing end effective without attendant penetration.

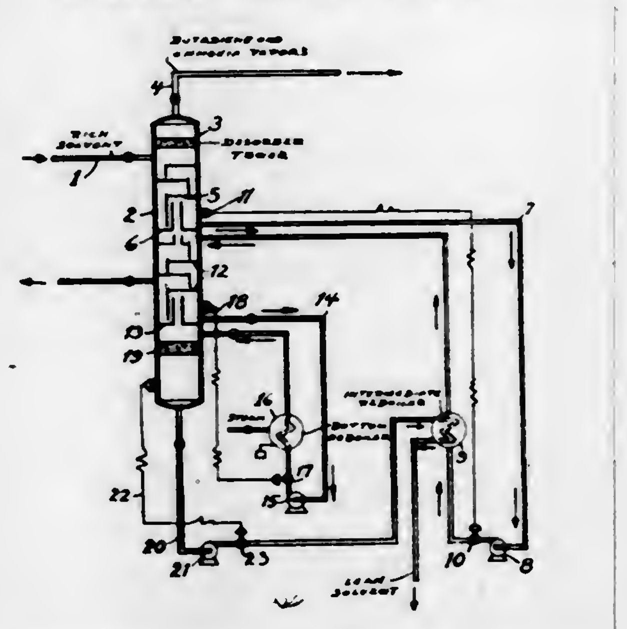


2,419,350
BUTADIENE DESORPTION METHOD

Richard A. Given, Lake Charles, La., assignor to Standard Oil Development Company, a corporation of Delaware

Application December 31, 1943, Serial No. 516,357

3 Claims. (Cl. 260—681.5)



1. In the desorption of butadiene from an ammoniacal cuprous acetate solution containing butadiene dissolved therein, the process which comprises passing said solution into a first desorbing zone, withdrawing desorbed butadiene from said first zone, removing said solution from said first zone and heating it to a temperature higher than in said first zone, introducing said heated solution into a second desorbing zone, passing desorbed vapors comprising butadiene and ammonia from said second zone countercurrent to said solution in said first zone, withdrawing said solution from said second zone and further heating it to a temperature higher than said first mentioned heating, introducing said further heated solution into a third desorbing zone, passing desorbed vapors comprising butadiene and ammonia from said third zone countercurrent to said solution in said second zone, and withdrawing from said third zone said solution substantially free of butadiene.

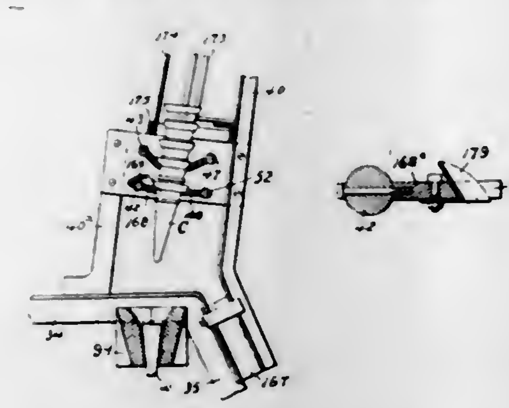
2,419,351

DISPENSING MECHANISM

Mitchel Glassner, Baltimore, Md., assignor to Maryland Baking Company, Inc., Baltimore, Md., a corporation of Maryland

Original application April 14, 1943, Serial No. 483,075. Divided and this application August 22, 1944, Serial No. 550,650

2 Claims. (Cl. 312—44)



1. In a machine of the class described: a magazine for stacked cones; means for releasing the cones from the magazine one at a time, said means including an upper set of cone engaging pivoted plates and a lower set of cone engaging pivoted plates; means connecting the plates of a set to work in unison; means to operate the upper set of plates to release a cone to the lower set of plates and then retard the balance of the stack; means to operate the lower set of plates to discharge the cone held thereby and return to the position to receive the next cone from the upper set of plates, and means carried by the lower set of plates to push the cone free of those plates should the cone fail to drop therefrom freely.

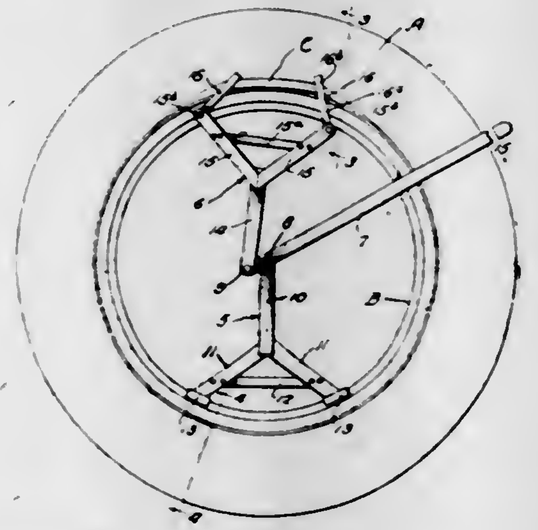
2,419,352

TOOL FOR FORCING THE BEAD OF A PARTIALLY MOUNTED TIRE INTO THE RIM

Richard J. Heitzman, Shamokin, Pa., assignor of one-half to William H. Ressler, Shamokin, Pa.

Application September 29, 1944, Serial No. 556,395

1 Claim. (Cl. 157—6)



Tire mounting tool comprising a hand lever, a fulcrum support pivotally mounted on said hand lever near one end having spaced feet in the plane of swing of said lever for engaging a wheel rim substantially opposite the chordally stretched final portion of the tire bead to be seated within said rim, a cam hook support pivotally mounted at the end of said lever to extend parallel and in opposite direction to said fulcrum support, cam hooks having arms pivoted at one end at laterally spaced points on said cam hook support to swing in a plane parallel to the plane of swing of said lever, said arms having lateral extensions adjacent their free ends in a direction normal to the plane of swing of said lever, said extensions being undercut to form rim engaging hooks and convergent on the upper sides toward the free ends of said arms, said cam hooks adapted to be inserted between the rim and tire bead adjacent the ends of said chordally stretched portion, in mutually convergent position, whereby lifting force imparted by said lever is resolved into components acting upon said cam hooks to tilt them towards one another in sliding engagement with the bead.

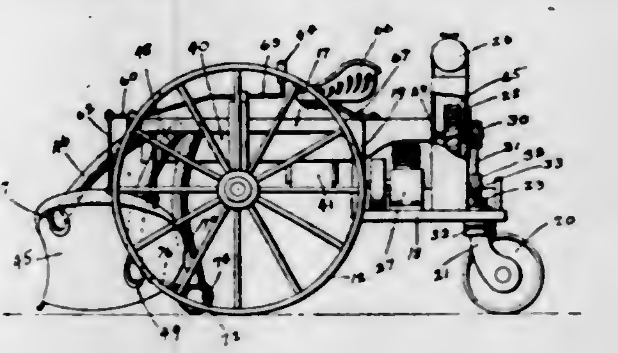
2,419,353

BOLL WEEVIL ERADICATOR

Charles V. Henley, Stone Mountain, Ga.

Application January 24, 1945, Serial No. 574,428

6 Claims. (Cl. 43—140)



1. A machine for eradicating boll weevils, comprising a wheeled carriage, means on the carriage for producing suction, plates mounted on the carriage extending horizontally at diverging angles and provided with spaced openings, and tubes connected between the openings and suction means, said carriage being adapted to be drawn between rows of plants, the angular displacement of the plates engaging separated rows of plants being such that the weevils on the plants will be drawn through the openings and tubes.

2,419,354

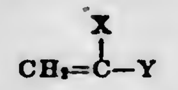
PRESERVATION OF SYNTHETIC RUBBER

Louis H. Howland, Waterbury, and Byron A. Hunter, Naugatuck, Conn., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application November 25, 1944, Serial No. 565,195

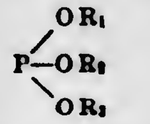
5 Claims. (Cl. 260—84.5)

1. An elastomeric polymerization product of 1,3-butadiene with a compound of the structure



$$CH_2{=}\overset{\displaystyle X}{\overset{|}{C}}{-}Y$$

where X is hydrogen and Y is a radical selected from the class consisting of CN and phenyl, which comprises a compound having the general formula



where R_1, R_2, and R_3 are alike and represent an aryl radical, in an amount sufficient to preserve said polymerization product.

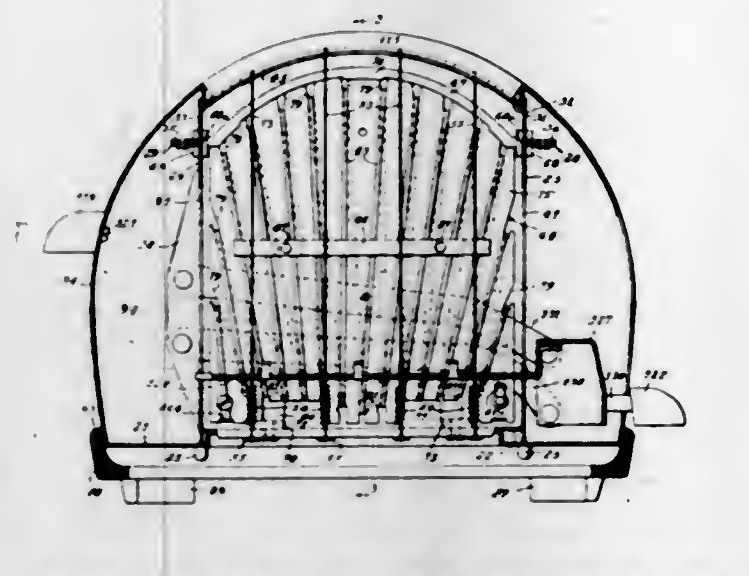
2,419,355

ELECTRIC TOASTER HEATING UNIT

Ludvik J. Koci, Chicago, Ill., assignor to Sunbeam Corporation, Chicago, Ill., a corporation of Illinois

Original application June 26, 1939, Serial No. 281,080, now Patent No. 2,271,485, dated January 27, 1942. Divided and this application December 26, 1941, Serial No. 424,378

1 Claim. (Cl. 219—19)



An electric toaster having a toasting compartment, a heating element therein comprising a sheet of insulation material, a resistance wire wound on the sheet, a binding strip on the upper edge of the sheet projecting beyond both sides thereof, an insulation block on each projecting end of said strip, depending tabs on the bottom of the sheet, stationary insulation blocks in the bottom of the toasting compartment adapted to receive the tabs for locating the heating element in the compartment, and means in the compartment at the sides thereof for receiving the first mentioned insulation blocks to provide support for the heating element, said parts being constructed and arranged so that the heating element is removable and replaceable as a unit with respect to said stationary insulation blocks.

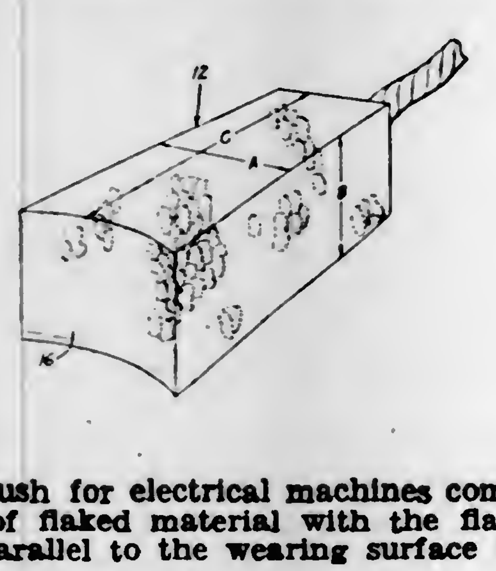
2,419,356

BRUSH STRUCTURE WITH PARALLEL FLAKES

Alfred C. Korte, St. Louis, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware

Application September 4, 1943, Serial No. 501,318

6 Claims. (Cl. 171—325)



1. A brush for electrical machines comprising a block of flaked material with the flakes arranged parallel to the wearing surface thereof.

2,419,357

SMOKE POT COVER

Harold E. Krasner and Bertha Klausner, New York, N. Y.

Application February 3, 1945, Serial No. 576,093

4 Claims. (Cl. 154—101)

1. A top for a smoke pot comprising a flat disk, a plurality of openings in said disk, said disk consisting of a plurality of thin layers of loosely matted cellulose fibers, said layers having dispersed therein a mixture of ammonium phosphate and sodium borate in substantially equal proportions, the amount of said salts being from 2% to 7% by weight of said disk, said layers being compressed and interlocked into a unitary mass, the upper and lower faces only of said disk being dense and smooth and free from pores, the central portions of said disk being relatively porous, said disk having a thin surface coating of water and weather-resistant synthetic phenol-formaldehyde resin free from filler and plasticizer, said coating being permanently infusible and insoluble, said resin filling the pores in said surface to prevent spewing of said salts, said coating sealing the edges of said disk and said openings, said disk being strong, resistant to shock, resilient, having a tough surface, and being non-inflammable, the thickness of said disk being less than 1% of the diameter thereof and the specific gravity being less than 1.

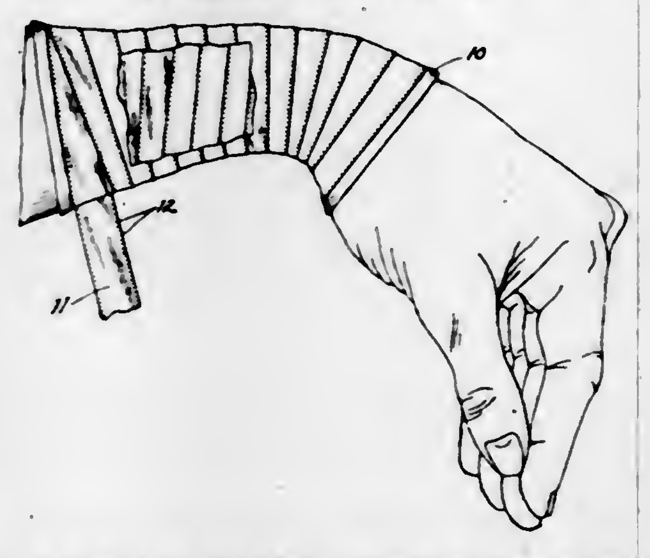
2,419,358

SPLINT AND THE LIKE

Stanley P. Lovell, Newtonville, Mass., assignor to Lovell Chemical Company, Watertown, Mass., a corporation of Massachusetts

Application May 15, 1945, Serial No. 593,865

4 Claims. (Cl. 128—90)

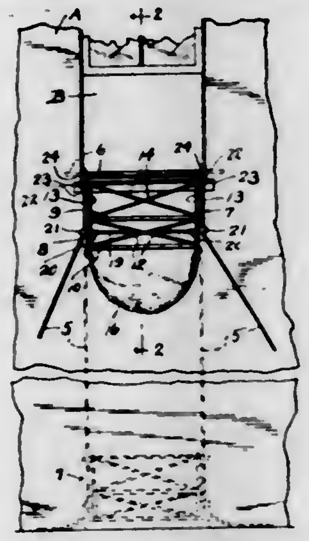


1. A splint or the like comprising an inner flexible cushion layer of textile fabric in contact with the body of the patient, and an outer shell of less area than said cushion layer and comprising a multiplicity of laminations of thin, flexible, tough, pressure-sensitive adhesive nonfibrous homogeneous strip material selected from the following group, viz, cellulose acetate or acetobutyrate, Celluloid, ethyl cellulose, polyethylene, tetrafluoroethylene, vinylidine, dichloride, polymeric styrene and regenerated cellulose, the strip material being flexible and being adhesive on one side only when cool and the said shell constituting an inextensible structure which is non-distortable from the inside, waterproof and permeable to X-rays and presenting a hard smooth exterior surface.

2,419,359

FIRE ESCAPE

Henry Richard Harms Ludelfs, Grosse Pointe Woods, Mich.
Substituted for abandoned application Serial No. 379,503, February 18, 1941. This application October 28, 1946, Serial No. 706,143
1 Claim. (Cl. 227—33)



A fire escape of the character described comprising a substantially rectangular frame, inwardly and upwardly extending arms secured to the top of the frame, a cage suspended from the bottom of the frame, a swivel pulley secured to each free end of the arms, a swivel pulley secured to each side of the frame remote from the pulleys on the arms, a cross-bar disposed across a window, links secured to the cross-bar, a cable connected to each link and trained through aligned pulleys on the sides of the frame and arms and a cross-bar connecting the pulleys on opposite sides of the frame.

2,419,360

LUBRICATING OIL COMPOSITION

John G. McNab, Cranford, N. J., Carroll J. Wilson, Norwalk, Conn., and Carl Winning, Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 21, 1944, Serial No. 569,258
15 Claims. (Cl. 252—42.7)

1. An organic composition containing a small quantity, sufficient to impart detergent properties, of an organic compound of the formula

$$ROM$$

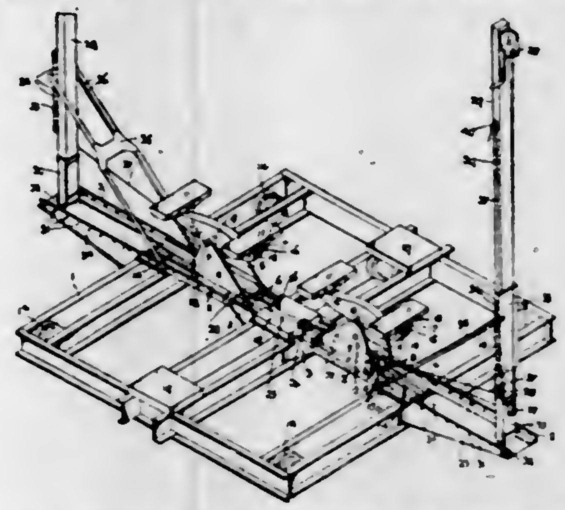
where R is a member of the group consisting of aliphatic and aromatic radicals whicn are free from carboxyl and metal substituted carboxyl groups, M is a member of the class consisting of metals and basic radicals, and the oxygen is attached to a carbon atom which is attached only to carbon, hydrogen or nitrogen, and a small quantity, at least sufficient to offset the corrosive effect of the first-named compound, of a product obtained by reacting para-cresol with a reagent which furnishes a tertiary alkyl group, in the presence of an alkylation catalyst.

2,419,361

SLIPWAY CRADLE

Charles Edward Miles, Hampton-on-Thames, England
Application November 28, 1945, Serial No. 631,333
In Great Britain April 20, 1945
8 Claims. (Cl. 61—67)

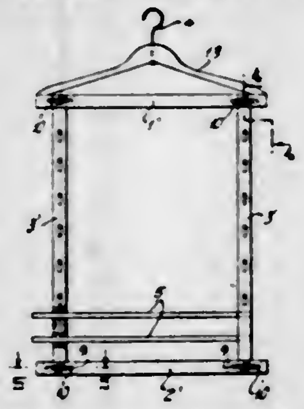
1. A slipway cradle for supporting a boat, comprising a main trolley, transverse guides extending in opposite sides of said trolley, a pair of traversing carriages movable in said guides, a pivoted arm centrally carried by each of said carriages, a pivoted chock carried by each end of each said pivoted arm, means for moving said carriages towards each other to cause said chocks to bear against opposite sides of the bottom of a boat supported on said trolley and means for moving said carriages away from each other.



2,419,362

GARMENT HANGER

Frances Miller, Brooklyn, N. Y.
Application February 9, 1946, Serial No. 646,647
7 Claims. (Cl. 223—88)



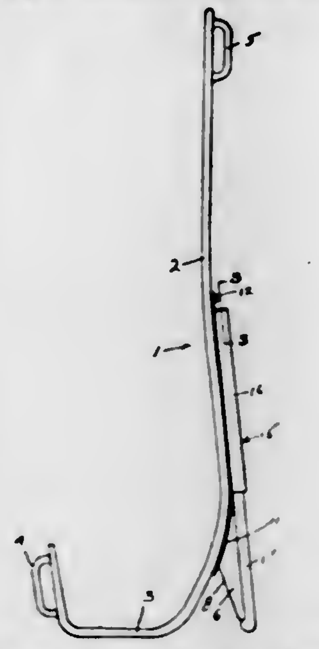
1. A skirt hanger comprising a frame of generally rectangular form having upper and lower substantially horizontal pieces and a pair of spaced vertical side pieces, said side pieces having pairs of projections on both the front and rear facing portions, each pair of projections on each of said portions comprising dowel pins lying in the same horizontal plane, a rod supported by both said vertical side pieces at a location intermediate the ends of said vertical side pieces, means for enabling movement of one of said side pieces relative to the other, and a suspension hook mounted in the center of said upper horizontal piece.

2,419,363

GAFF GUARD

Aubrey Minney, Santa Rosa, Calif.
Application November 13, 1945, Serial No. 628,270
6 Claims. (Cl. 227—27)

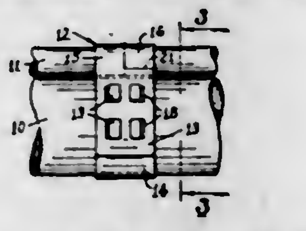
1. A gaff guard for the gaff on a climbing iron comprising an elongated gaff covering member and an elongated receiver having walls forming a housing into which said member is telescopically slidable from an extended position projecting from one end of said receiver to a retracted position substantially enclosed within the latter, means for securing said receiver to a climbing iron above the gaff of such iron for movement of said member downwardly from said retracted position clear of said gaff to said extended position in which the said member covers said gaff, means connected to said member including a part engageable with the outer end of said gaff for releasably holding said member in said extended position when said receiver and said member are secured to a climbing iron.



2,419,364

CABLE HANGER

John P. Montgomery, Mount Carmel, and Frode H. Pierson, Orange, Conn., assignors to The West Haven Buckle Company, West Haven, Conn., a corporation of Connecticut
Application October 25, 1945, Serial No. 624,472
5 Claims. (Cl. 248—61)



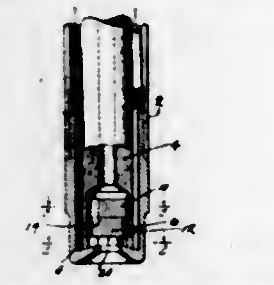
1. A cable hanger for securing a cable to a supporting or messenger wire, said hanger comprising a sheet metal strip embracing the messenger wire with at least one full turn, the ends of said strip projecting downwardly from the wire with one end longer than the other, and the longer end being passed below the cable and turned upwardly and secured to the shorter end to secure the cable snugly to the messenger wire whereby the weight of the cable causes the strip to grip the messenger wire.

2,419,365

METHOD OF ATOMIZING LIQUIDS

Theodore Nagel, Brooklyn, N. Y.
Application June 8, 1944, Serial No. 539,261
3 Claims. (Cl. 299—120)

1. The method of atomizing a liquid to produce a diverging conical stream of minute globules, which method comprises releasing a plurality of gaseous streams under pressure into a cylindrical chamber substantially tangentially thereto, and prior to expansion of the gaseous streams introducing the liquid to be atomized thereinto, so that the gas and liquid enter the chamber intermixed, and contacting the chamber wall will be caused to whirl at the rapidity required for producing the desired globule minuteness, and continuously ejecting the whirling mixture axially of the chamber from about the edge of the end of the same continuously to produce a diverging conical stream of minute globules.

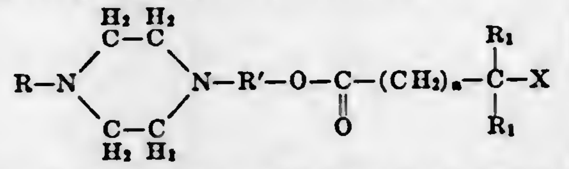


2,419,366

(N'-ALKYLPIPERAZINO) ALKANOL ESTERS

Elmore Hathaway Northey and Martin Everett Hultquist, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application April 8, 1942, Serial No. 438,116
5 Claims. (Cl. 260—268)

1. A chemical compound selected from the group consisting of the (N'alkylpiperazino) alkyl esters and water-soluble salts thereof, which esters have the structural formula

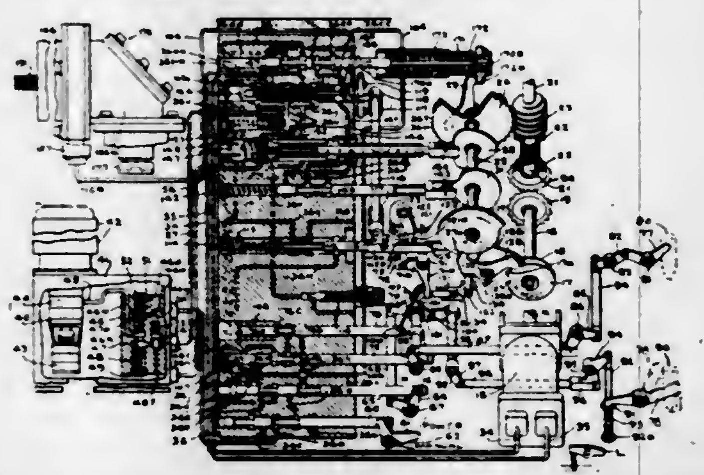


wherein R is a lower alkyl radical, R' is a divalent lower unsubstituted aliphatic hydrocarbon radical, R_1 is a substituent selected from the group consisting of aryl and cyclohexyl radicals, X is a substituent selected from the group consisting of hydrogen, hydroxy and alkoxy groups, and *n* is selected from the figures consisting of 0 and 1.

2,419,367

CONTROL SYSTEM FOR HYDRAULIC HOISTS

Harrison Randolph and Garold A. Kane, Minneapolis, Minn., assignors to The Northern Pump Company, Minneapolis, Minn., a corporation of Minnesota
Application May 4, 1940, Serial No. 333,366
32 Claims. (Cl. 60—53)



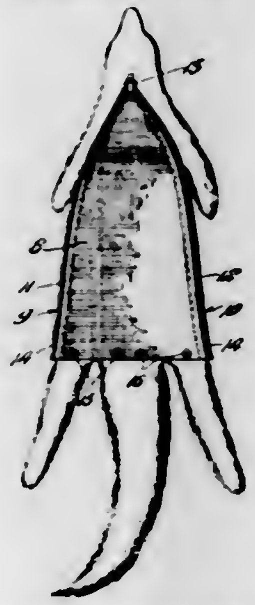
1. A control system for a hoist having a lower flight position and an upper flight position having in combination, a hydraulic motor connected to said hoist for driving the same, means for supplying fluid under pressure to said motor to operate the same, an output member driven by said motor, a hand drive unit by which said output member may be actuated, a clutch for connecting said hand drive unit and said output mem-

ber, means normally holding said clutch engaged, a hydraulic control unit for said hoist including a member movable to power and manual positions, said hydraulic control unit acting with said first mentioned means when said member is moved to power position to release said clutch so that said hoist may be driven from said hydraulic motor and acting when said member is moved to manual position to permit operation of said hand drive unit.

2,419,368

CONVERTIBLE FUR SCARF

Harold A. Reich, New York, N. Y.
Application March 21, 1946, Serial No. 655,918
2 Claims. (Cl. 2—65)



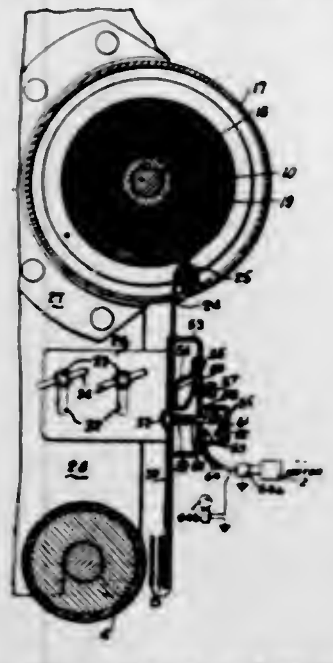
1. A fur scarf convertible for wearing in a flat or in a rolled form and comprising a finished natural fur skin having the side edges of the same disconnected to the tail end of the skin so that it may open out flat and provided with a complete lining on the inner side enabling the scarf to be used in a flat spread open relation or be rolled to bring the separated side edges together and readily releasable fastenings at the side edges and at the lined under side of the skin for securing the edges together into a closed rolled scarf formation, said skin being a complete skin with head, body and tail portions and the opening provided by the separation of said side edges of the skin extending from the head, through the body to the tail and transversely across said end of the body so that the scarf will spread out flat the full width of the body as a full length, flat furpiece having continuous, free, full length side edges which can be brought together to form a complete, closed furpiece, and said readily releasable fastenings including fastening devices for holding said transversely separated portions at the end of the body closed together in the rolled condition of the scarf described.

2,419,369

RIBBON FEED MECHANISM FOR MANIFOLDING MACHINES

Robert W. Ritzert, Dayton, Ohio, assignor to The Egry Register Co., Dayton, Ohio, a corporation of Ohio
Application April 28, 1943, Serial No. 484,813
2 Claims. (Cl. 197—153)

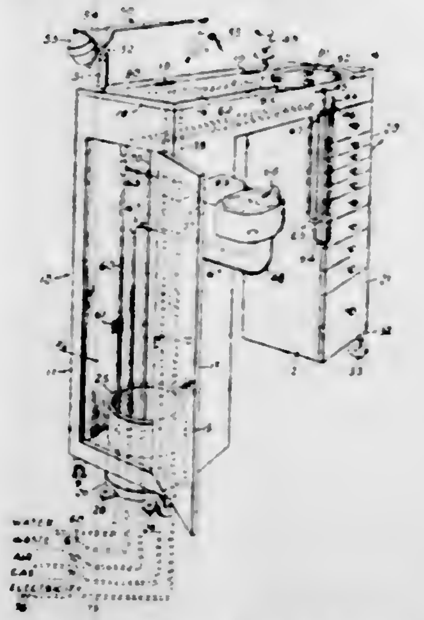
1. A power driven typing machine comprising a platen adapted to receive a sheet of paper, a carbon ribbon supply roll and a carbon ribbon receiving roll located on opposite sides of the platen but out of line therewith, means for guiding the carbon ribbon from the supply roll, along the platen to the receiving roll, said guiding means comprising a pair of turn plates located at opposite ends of the platen, means for exercising a drag on the carbon ribbons, said means including supports secured to said turn plates, a plurality of flexible members carried by said supports and each bearing against a separate ribbon to provide frictional contact, and means also secured to said turn plates subsequent to said flexible member automatically responsive to breakage in a ribbon as it moves from one of said rolls to the other roll across the paper in order to indicate when said breakage occurs, said flexible member and means last named being located side by side and being adapted to move in parallel directions toward each carbon ribbon and on the same side thereof.



2,419,370

DENTAL UNIT

Raymond L. Roof, Paducah, Ky.
Application November 5, 1946, Serial No. 707,813
10 Claims. (Cl. 32—22)

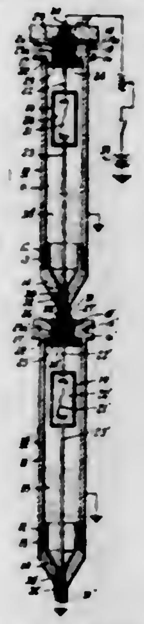


1. In apparatus of the character described adapted to be mounted on a floor or the like, a cabinet comprising a pair of spaced supports and a top secured to the upper portion of each support and spanning the space therebetween, one of said supports being hollow, an upstanding tubular member adapted to be rigidly attached to the floor and communicating with the interior of the hollow support through the lower end thereof, said cabinet being rotatable with respect to the tubular element, an instrument detachably secured to the top, and a conduit connected to the instrument and extending through the interior of the hollow support and the tubular element.

2,419,371

CARTRIDGE

Marcel Schlumberger, Saint Gaudens, Haute Garonne, France; vested in the Attorney General of the United States
Application July 23, 1941, Serial No. 403,648
In France February 2, 1939
5 Claims. (Cl. 102—20)



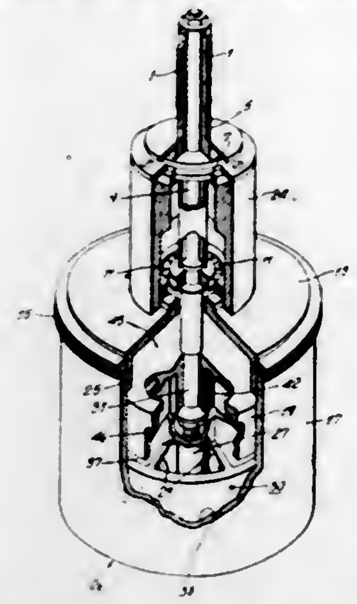
1. In a cartridge for a sequentially dischargeable cartridge train, the combination of a tubular casing, means forming a closure having an electrically conductive portion at one end of said casing, means forming a second closure at the other end of said casing, an explosive charge in the casing, means for igniting said explosive charge, means forming in said electrically conductive closure portion a conduit having a restricted portion, an electrical contact element mounted in said conduit, frangible insulating material insulating said contact element from the walls of said conduit, said contact element having an external portion adapted to cooperate with a preceding cartridge in a cartridge train to form a firing circuit component, and having an internal portion of such shape that it cannot pass through the restricted portion of said conduit, whereby the explosion of said charge will cause the internal portion of said contact element to destroy said frangible insulating material and to be moved into engagement with the walls of said conduit.

2,419,372

TENSION CONTROL ARRANGEMENT FOR WINDING SYSTEMS

Everett J. Schneider, Emporium, Pa., assignor to Sylvania Electric Products Inc., Emporium, Pa., a corporation of Massachusetts
Application March 17, 1945, Serial No. 583,188
1 Claim. (Cl. 188—90)

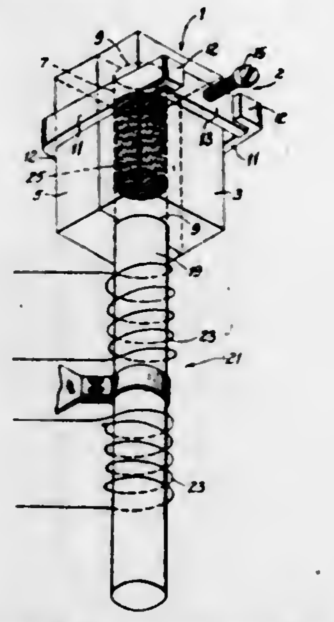
A fluid coupling system comprising, a paddle wheel supported by a spindle, a stationary paddle wheel mounted coaxially with and in axially adjustable spaced relation with respect to the first paddle wheel, a pool of viscous liquid in which both paddle wheels are submerged, a tank containing the fluid and surrounding the two paddle wheels, the first paddle wheel comprising a plurality of radial vanes extending between the central hub portion and a peripheral rim portion and a disc-shaped portion extending between the hub and the rim along the edges of the vanes at the side of the wheel remote from the stationary paddle wheel, the stationary paddle wheel comprising a plurality of radial vanes extending between a central hub portion and a peripheral rim portion and the disc-shaped portion extending between the edges of the hub and the rim along the edges of the radial vanes pointing away from the first paddle wheel, said stationary paddle wheel being rigidly attached to a wall of said tank, means for supporting said spindle, means for supporting said tank, means for adjusting the axial spacing between the paddle wheels; the said means for supporting said spindle including a bearing box; the said means for supporting said tank comprising an annular disc provided with a threaded cylindrical peripheral flange and with a central portion rigidly attached to said bearing box; and the said means for adjusting the said axial spacing between the paddle wheels includes a threaded portion on the wall of the tank which is adapted to fit into the cylindrical peripheral flange of said annular disc supporting the tank.



2,419,373

APPARATUS FOR VIBRATING METALS DURING CASTING

Jewett F. Schrumn, West Newton, Mass., assignor to Metals & Controls Corporation, Attleboro, Mass., a corporation of Massachusetts
Application September 10, 1943, Serial No. 501,752
2 Claims. (Cl. 22—57)

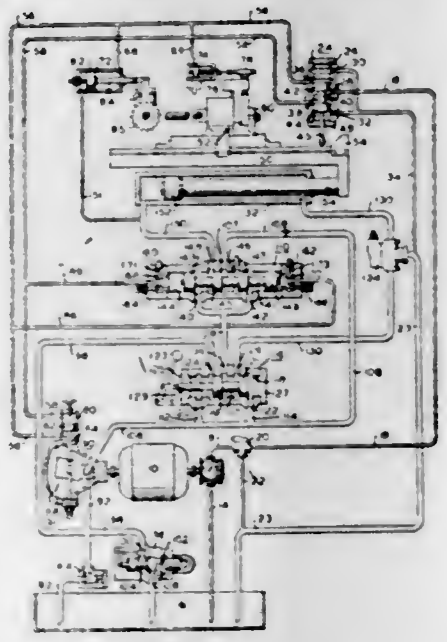


1. A mold comprising separable matrix elements, means for holding said elements together

to form a cavity, said elements being formed to provide a cylindric opening joining the cavity with the exterior, a cylindric plug movably sealed in said opening to prevent leakage, and means for applying high-frequency vibrations to said plug, the end of the plug being exposed to contact by the material which is formed in the mold.

2,419,374
POWER TRANSMISSION

Robert A. Shartle, Rockford, Ill., assignor to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application October 30, 1941, Serial No. 417,087
6 Claims. (Cl. 60—52)

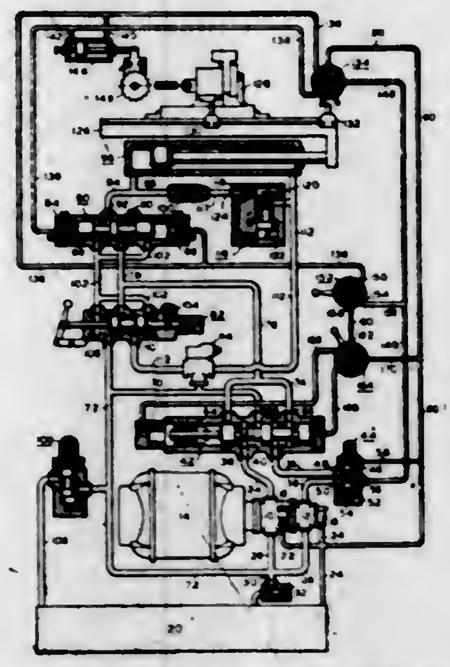


1. In a hydraulic power transmission for operating an alternately reversing load device, the combination with a source of pressure fluid, a differential fluid motor for operating the load device by fluid supplied from said source, a reverse valve for selectively directing fluid to, or exhausting the large area of the motor, a run-stop valve for selectively bypassing the source or blocking such bypass and concurrently respectively blocking or supplying fluid from the source to the small area of the motor including a connection beyond the reverse valve to exhaust the differential volume from the large area of the cylinder while the small area is being supplied with fluid, and a circuit connecting the source, motor and valves including a connection from the small area of the motor and through said run-stop valve to the reverse valve and established by the run-stop valve in its stop position to hydraulically brake the motor in either position of the reverse valve.

2,419,375
POWER TRANSMISSION HAVING A PLURAL PUMP FLUID PRESSURE SOURCE AND A FLOW-REGULATING DIVERTING VALVE

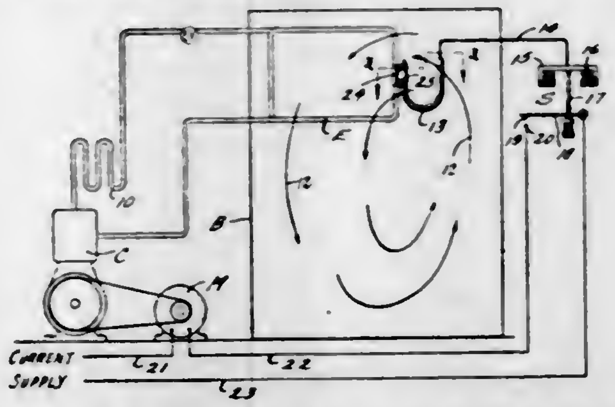
Robert A. Shartle, Rockford, Ill., assignor to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application June 29, 1942, Serial No. 448,896
5 Claims. (Cl. 60—52)

4. In a hydraulic power transmission system for operating an alternately reversing slide movable through feed advance and rapid return strokes, the combination of a differential piston-and-cylinder motor connected to operate the slide through its advance stroke by pressure applied to the smaller area thereof, a source of pressure fluid comprising a plurality of fixed displacement pumps selectively connectable alone or in parallel to supply said motor, means for reversing the flow to the motor to cause a return stroke, and means operable concurrently with said reversing means for connecting said pumps in parallel to supply the maximum delivery during the return stroke.



2,419,376
THERMOSTATIC CONTROL FOR REFRIGERATION SYSTEMS

Burton E. Shaw, Bristol, Ind., assignor to Penn Electric Switch Co., Goshen, Ind., a corporation of Iowa
Application June 9, 1941, Serial No. 397,273
7 Claims. (Cl. 62—4)

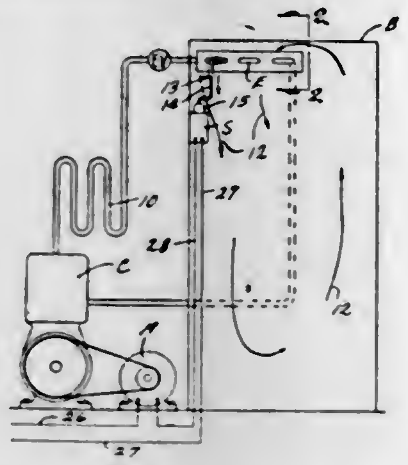


1. In a refrigeration system including an evaporator coil, the combination of an elongated bulb having a minor portion adjacent its dead end clamped in thermal conducting relation to an evaporator coil, and a major portion responsive to air temperature, said bulb being U-shaped and mounted with the ends of its two legs extending upwardly, a capillary tube extending from the other end of said bulb and a control device responsive to pressure variations in said capillary tube resulting from an average of pressures in said minor and major portions of said bulb.

2,419,377
THERMOSTATIC CONTROL FOR REFRIGERATION SYSTEMS

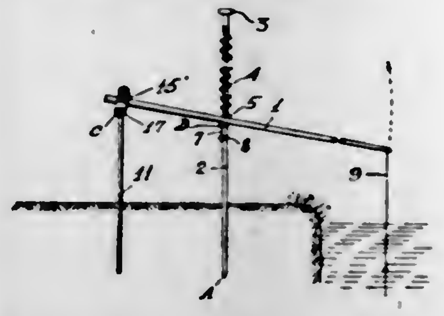
Burton E. Shaw, Bristol, Ind., assignor to Penn Electric Switch Co., Goshen, Ind., a corporation of Iowa
Application May 2, 1942, Serial No. 441,521
8 Claims. (Cl. 62—4)

1. The combination with refrigeration apparatus comprising an evaporator, a compressor connected to said evaporator and a motor connected to said compressor; of a control system for governing the operation of said apparatus, said system including a thermostatic bulb having a portion arranged below the evaporator in the path of descending air cooled thereby, a clamp securing one end of said bulb to a portion of the evaporator, a capillary tube extending from and open ended within said bulb adjacent the clamped end thereof, said bulb being substantially completely charged with liquid, and a pressure operated control device responsive at all times to pressure variations in said capillary tube resulting from an average of pressures in said minor and major portions of said bulb as resulting from change in temperature of said portion of said evaporator coil to which said clamp is affixed, and the cold air dropping from said evaporator coil respectively, said control device being operatively connected with the refrigerant compressor motor to control it in accordance with the temperatures affecting both said minor and said major portions of said bulb.



2,419,378
SUPPORT FOR FISHING POLES

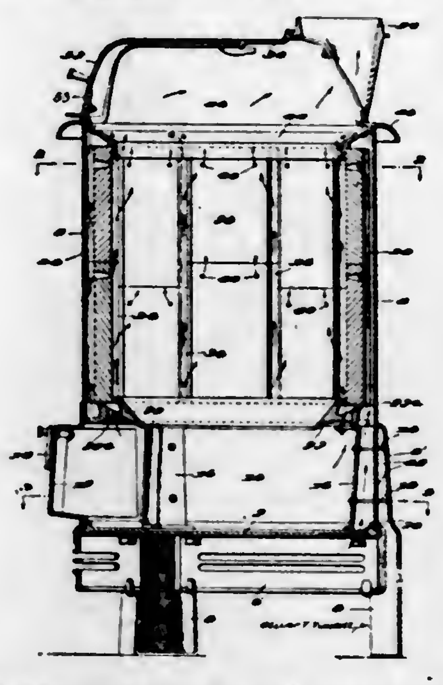
Oscar H. Thomas, Willie H. O'Neal, and Frank P. Sword, Wichita, Kans.
Application June 29, 1945, Serial No. 602,320
3 Claims. (Cl. 43—15)



1. In a support for fishing poles, a rod having a knob on one end thereof, the other end being sharpened, a detent secured to the rod a spaced distance inward from the knob, a sleeve slidable on the rod between its knob and detent, a coil spring through which the rod extends, one end of the spring being secured to the rod adjacent the knob, the other end being secured to the sleeve, a notched trigger rockably mounted on the sleeve to engage the detent selectively with respect to the notches, said notched trigger having a seat to carry a fishing pole and to co-operate in disengaging the notched trigger from the detent when an increased weight is imposed on one end of the fishing pole, and means to retain the other end of the fishing pole stationarily with respect to vertical movement.

2,419,379
MAGAZINE STOVE

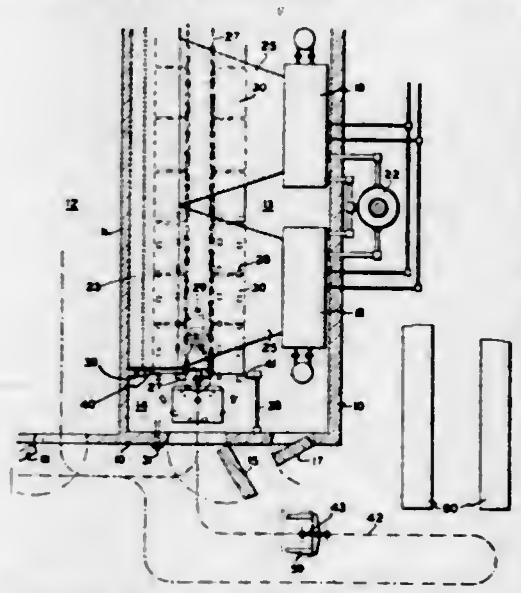
Oliver T. Tindell, Jr., Chattanooga, Tenn.
Application November 25, 1942, Serial No. 466,894
5 Claims. (Cl. 126—73)



3. A domestic heating stove, comprising in combination a metallic body, an apertured ring mounted in the lower part of said body, a fire pot supported by said apertured ring, said fire pot being composed of fire bricks provided with means defining inner vertical grooves and outer vertical ribs, said grooves defining air supplying passages on the inside of the fire pot communicating with the apertures in the apertured ring for receiving air therefrom, and directing such air into the fire pot, said ribs serving to space the fire bricks inwardly from the metallic body to define vertical channels for secondary air between the bricks and the metallic body, hollow brackets for supporting said apertured ring and for directing secondary air to said vertical secondary air channels, and means for directing secondary air from said vertical channels into the fire pot.

2,419,380
FREEZING OF FOODS

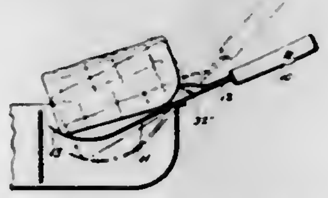
Myron Van Etten, Salem, Ohio, assignor to The Salem Engineering Company, Salem, Ohio, a proprietorship
Application October 8, 1945, Serial No. 620,943
7 Claims. (Cl. 62—102)



1. Apparatus for the quick freezing of foods comprising in combination a freezing chamber and means to circulate therein a chilled quantity

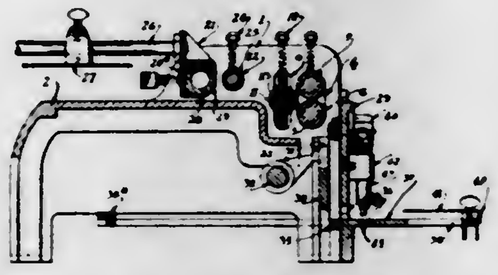
of air, an endless conveyor in said chamber having a loop extending outside said chamber for moving and supporting a plurality of tray-supporting racks each adapted to support a multiplicity of food-carrying trays, a pair of adjacent openings in a wall of said chamber through which the conveyor passes and which permits egress and ingress of said racks whereby at least one of said racks may be moved to a loading position outside said chamber during a period of movement of said conveyor, and means to automatically seal said openings against ingress or egress of air when said one of said racks is in said loading position.

2,419,381
IMPLEMENT FOR REMOVAL OF ICE CUBES FROM TRAYS
Gustav J. van Lennep, Washington, D. C.
Application March 2, 1945, Serial No. 580,695
7 Claims. (Cl. 294—1)



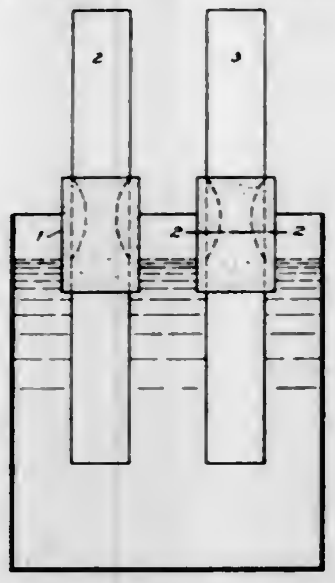
1. An implement for removal of ice cubes from freezing receptacles comprising: a thin flat blade of flexible resilent material curved from the plane thereof at a tang portion to a free extremity; the flexibility of said blade uniformly increasing from said tang portion to said free extremity thereof and the flexibility thereof adjacent said extremity being sufficient to permit said extremity to follow the curve of the wall of a usual ice freezing receptacle.

2,419,382
APPARATUS FOR CUTTING SHEET METAL AND THE LIKE
Frank Edgar Waring, Cheshire, England
Application November 2, 1943, Serial No. 508,746
In Great Britain October 2, 1942
1 Claim. (Cl. 164—47)



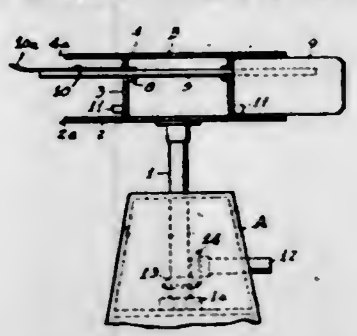
A sheet metal working machine of the type adapted to rest upon a table top and comprising a frame having parallel vertical end plates, a substantially horizontal apron extending between said end plates above and parallel to said table top, a vertically positioned front plate connecting said end plates forwardly of said apron, there being a slotted opening through the lower portion of said front plate through which to pass a sheet of metal, a horizontally extending table leaf on the forward side of said front plate at the level of said slotted opening, guillotine shear blade means mounted on said front plate for reciprocation adjacent said slotted opening, whereby sheet metal supported on said table leaf and passed through said opening and beneath said apron may be sheared by said guillotine.

2,419,383
MEANS FOR PREVENTING DETERIORATION OF ELECTRODES IN HEAT-TREATING
Frank C. Ames, Detroit, Mich.
Application October 25, 1944, Serial No. 560,331
2 Claims. (Cl. 13—23)



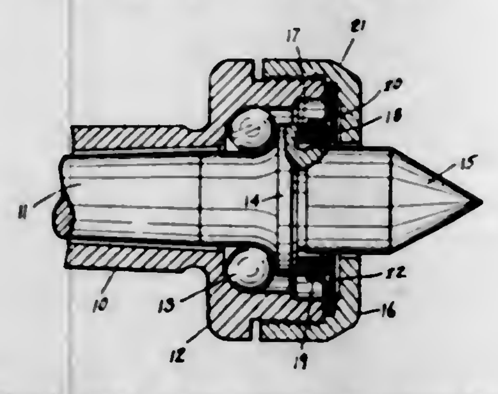
1. Means for preventing deterioration of electrodes used in salt baths for heat treatment of metal articles, comprising a shield formed of a material such as chrome-magnesite cement in fixed surface contact with the electrode enclosing a portion of the electrode, said shield extending below the liquid level in the bath and extending thereabove for a distance beyond the portion thereof normally affected by the liquid and/or the vapors arising from the liquid surface.

2,419,384
FLUID POWER WHEEL
John D. Ault, Bakersfield, Calif., assignor of fifty-one per cent to Edward E. Wilson, Bakersfield, Calif.
Application October 9, 1945, Serial No. 621,276
2 Claims. (Cl. 170—27)



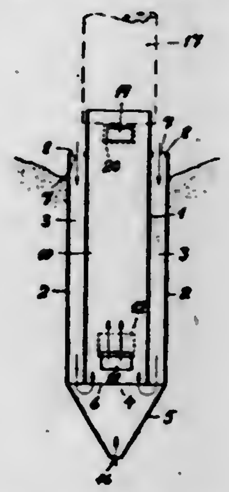
1. A fluid power wheel comprising a drum rotatable about a vertical axis and having upper and lower discs projecting beyond the drum periphery, horizontally disposed blade supporting shafts rotatably carried by the drum and extending diametrically thereacross, the shafts being disposed nearer the upper disc than the lower one and being angularly disposed with respect to one another in the horizontal plane, and blades secured to the portions of the shafts projecting beyond the drum, the two blades disposed on each shaft extending beyond the edges of the discs and being disposed at 90° with respect to one another so that when one is in a vertical position the other is in a feathering position, the blades when in vertical position extending between the upper and lower discs to cooperate therewith in forming a fluid receiving pocket, the greater portion of the blades extending from the shafts having a tendency to rock the shafts for inclining the blades from the horizontal, whereby the blades will be automatically rocked into operative and feathering positions as they are moved by the fluid pressure striking them, and stops for limiting the swing of the blades beyond a vertical plane.

2,419,385
FLEXIBLE SEAL
Kurt A. Beier, Indianapolis, Ind., assignor to Schwitzer-Cummins Company, Indianapolis, Ind., a corporation
Application July 28, 1944, Serial No. 546,991
5 Claims. (Cl. 286—11)



1. A fluid seal comprising a circular flexible sealing disk having an inner cup-like portion about its inner periphery, a rigid sealing ring seated and embraced about its outer periphery to be thereby retained within said cup-like portion in sealing engagement therewith, said disk having a diaphragm formed about the cup-like portion, and a spring disk within which said sealing disk is supported and centered, said spring disk extending into engagement with the cup-like portion of said flexible disk in opposition to said sealing ring for exerting spring tension thereagainst.

2,419,386
AIR NOZZLE
Conrad S. J. Berg, Nossebro, Sweden
Application September 14, 1944, Serial No. 554,127
In Sweden September 24, 1942
1 Claim. (Cl. 302—58)

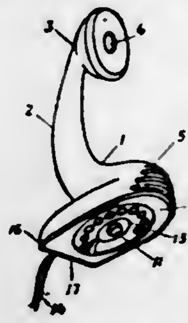


An air nozzle for picking up grain and the like, comprising a main grain conducting conduit provided in its side wall and near its lower end with opposed grain intakes, manually operable means for closing the grain intakes, channel members on opposite sides of the main conduit at right angles to the grain intakes and forming air conduits which discharge into the grain conduit below the grain intakes, manually operable means for closing the upper ends of the air conduits, an inverted funnel shaped member connected with the lower ends of the grain conduit and the air conduits and having a comparatively narrow aperture at the lower end which makes an automatic conveyance of the nozzle into the grain mass possible when the air conduits and the grain intakes are closed, the main grain conduit being also provided at its upper end with at least one removably closable aperture with respect to the atmosphere, by means of which grain which is gathered in the pipe system connected with the nozzle can be removed.

2,419,387
SHOE SOLE
John M. Bierer, Waban, Mass., assignor to Boston Woven Hose and Rubber Company, Cambridge, Mass., a corporation of Massachusetts
Application May 18, 1945, Serial No. 594,382
3 Claims. (Cl. 36—30)

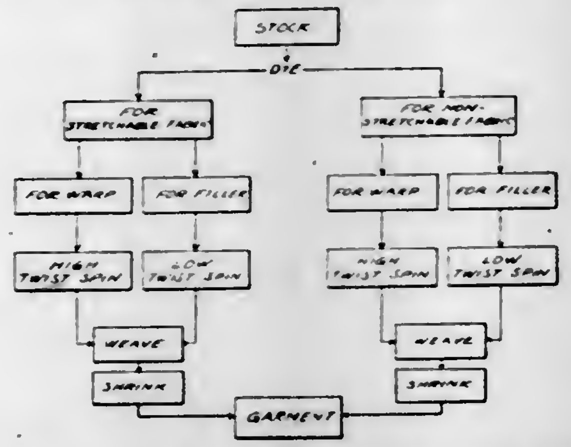
1. In a shoe, a sole having a body of tough flexible resinous material with an arched shank portion, the body of the sole including in its structure a base ply having insignia displayed thereon, and a transparent overlying ply integrally bonded thereto, protecting and preserving the said insignia while exposing it to view in the shank portion of the sole.

2,419,388
TELEPHONE HANDSET
Knut Hugo Blomberg, Appelviken, and Ralph Åke Gösta Lysell, Midsommarkransen, Sweden, assignors to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden
Application October 15, 1941, Serial No. 415,130
In Sweden July 10, 1941
2 Claims. (Cl. 179—103)



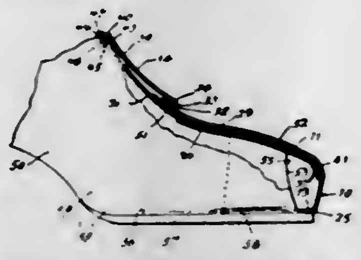
1. A telephone instrument comprising an upright, a base carried by and normally supporting the upright in an erect position, a forwardly facing ear piece at the upper end of said upright, a mouthpiece in the front part of said base, a switch in said base, a signalling device mounted in and accessible from underneath said base, a rear shoulder on the back of said base at its juncture with the upright forming a rest surface for the inside of the hand, and side shoulders continuing forwardly from the rear shoulder along the base on opposite sides of the upright, said shoulders and the contiguous portions of the base and upright constituting a hand grip for lifting and holding the instrument in various positions for signalling and talking, said signalling device being constituted by a dial and said switch being arranged centrally of the dial.

2,419,389
METHOD OF MAKING MATCHED FABRICS
Alexander Cadous, New York, N. Y.
Application August 29, 1945, Serial No. 613,319
2 Claims. (Cl. 28—72)



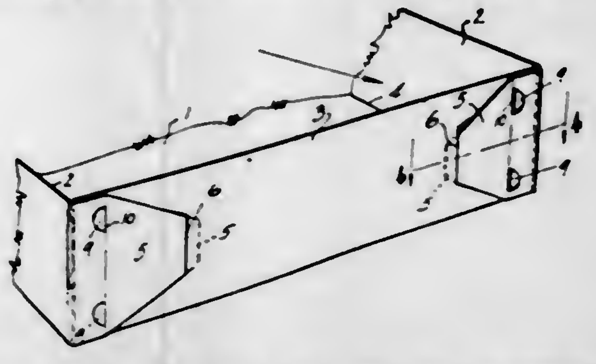
1. The method of making a garment composed of matched stretchable and non-stretchable fabrics, which comprises dyeing a batch of stock, dividing and allocating portions of the stock from the same dye lot to non-stretchable and stretchable fabrics, further dividing and allocating parts of each of said portions to warp and filler, spinning the warps to have a higher twist than the fillers and the warp for the stretchable fabric to have a higher twist than the warp for the non-stretchable fabric, weaving the respective warps and fillers into stretchable and non-stretchable fabrics having a pick count ratio which is the inverse of their shrinkage ratios, shrinking the fabrics to the same pick count, and combining the fabrics in a garment.

2,419,390
OPEN TOE SHOE CAP CONSTRUCTION
Oscar Chertok, Brooklyn, N. Y.
Application February 7, 1946, Serial No. 646,132
9 Claims. (Cl. 36—1)



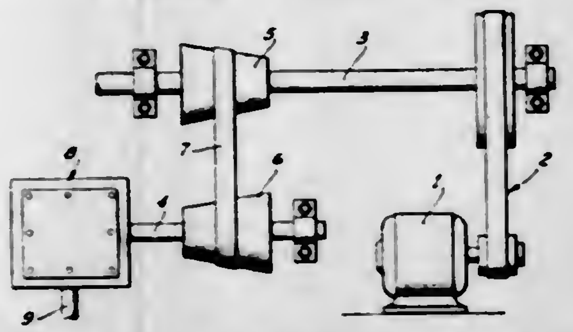
1. For use with a shoe having an open toe and a vamp with a lower edge at the margin of said open toe, a cap comprising: a toe capping element of a size sufficient to cover said opening, and having an upper rear edge; and an upper vamp clamping element including a top member connected to said toe capping element, and a bottom member connected to said toe capping element at the under surface of the capping element and adapted to penetrate said opening and to clamp the lower vamp edge against the under surface of the top member.

2,419,391
CORNER FASTENING MEANS FOR PAPERBOARD BOXES, CARTONS, AND THE LIKE
Jay D. Crary, Portland, Oreg., assignor to Paper Strap, Inc., Portland, Oreg., a corporation of Oregon
Application May 12, 1944, Serial No. 535,310
1 Claim. (Cl. 229—35)



A carton tray having integral bottom and side walls, means for uniting an adjacent pair of said side walls at a corner of said tray, the first of said side walls terminating at said corner, the second of said side walls having an extension defining a flap folded along said corner and overlying the end of said first side wall, a pair of spaced apart parallel slots formed in the end portion of said first side wall and extending parallel with said corner, the ends of each of said slots having slits extending toward the other of said slots in nonoverlapping relation, the slits extending from the ends of the first of said pair of slots next adjacent the corner converging, a tongue formed in said flap extending toward said corner and adapted cooperatively to fit into said first slot, the outer end of said flap defining a tongue which extends slightly farther than the second of said pair of slots from said corner, the slits extending from the ends of said second slot diverging with respect to each other, said last mentioned tongue being adapted to be snapped through said last mentioned slot merely by pressing the outer end portion of said flap against the first wall portion adjacent said second slot.

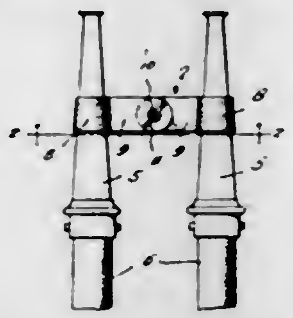
2,419,392
DRIVE UNIT
Michael Doniak, Lynwood, Calif.
Application December 7, 1943, Serial No. 513,221
2 Claims. (Cl. 74—219)



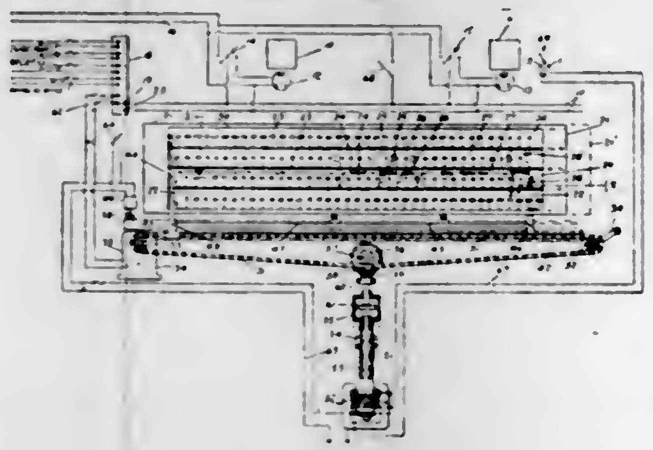
1. In a drive mechanism for driving rolls of paper mills for obtaining a speed reduction between a drive shaft and a driven shaft extending at right angles to said drive shaft, the combination of: a drive shaft; a jack shaft disposed parallel to said drive shaft; a chain and sprocket speed reducing drive connecting said jack shaft to said drive shaft; a driven shaft; another jack shaft disposed parallel to said driven shaft; another chain and sprocket speed reducing drive connecting said other jack shaft to said driven shaft; and coupling means drivably interconnecting said jack shafts and comprising intermeshing miter gears of equal diameters.

2,419,393
FIRE NOZZLE CONTROL CLAMP
Francis J. Doyle, Boston, Mass.
Application May 12, 1944, Serial No. 535,286
1 Claim. (Cl. 24—81)

In a clamp for holding a plurality of nozzles of fire hose and the like in associated relation, the combination, which comprises two corresponding pairs of complementary gripping jaws, each element of each pair of jaws comprising a flat band with a bolt hole adjacent one end and with a substantially semi-circular jaw element at the other end, said jaw element shaped to conform substantially to one-half of a frustrum of a cone, a common bolt extending through the bolt holes of the elements respectively with the flat bands of the jaw elements of one pair of jaws positioned between corresponding bands of the jaw elements of the other pair of jaws, and a thumb nut threaded on said bolt adjustably securing said elements in clamping relation.

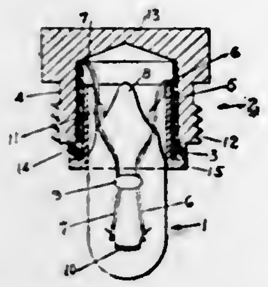


2,419,394
THEATER PROGRAM SCHEDULE INDICATOR
Fred A. Erhard, El Paso, Tex.
Application February 1, 1944, Serial No. 520,703
7 Claims. (Cl. 80—16)



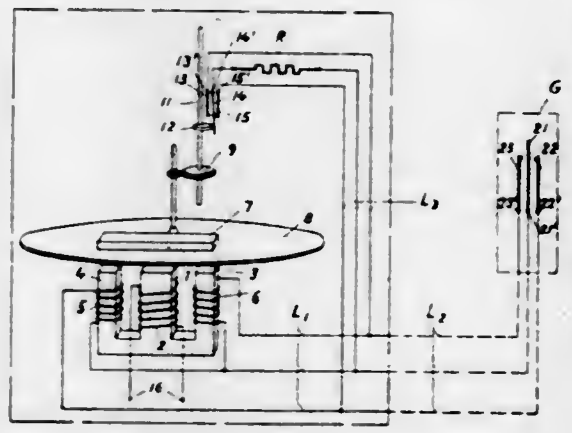
6. A theater program schedule indicator designed for operation in conjunction with an electric motor operated picture projector, comprising a linear time scale showing the length of a show in which the projector plays a part, an electric motor connected with the projector motor for synchronous operation therewith, an endless flexible element extending lengthwise of the linear scale, rotary supporting and driving members for the endless element disposed at opposite ends of the scale, a slip clutch connection between one rotary member and said motor, the endless element being driven in one direction by the first motor through the clutch by the operation of the motor, a pointer carried by one run of the endless element and disposed over the scale for movement lengthwise thereof, a reversible electric motor, means for establishing a driving connection between the reversible motor and the endless element when the reversible motor is energized, means for energizing the reversible motor for operation in a direction to move the endless element oppositely to the direction in which such element is moved by the first named motor, said slip clutch being designed to permit the opposite movement of the endless element while the first motor is continuing to operate, and means for effecting the operation of the reversible motor in the opposite direction while the first named motor is advancing the pointer to effect the accelerated advancement of the pointer to a predetermined extent, the reversible motor when operating in the said opposite direction, moving the endless element at a greater speed than the first motor.

2,419,395
ELECTRIC LAMP
Alton G. Foote, Wickliffe, Ohio, assignor to General Electric Company, a corporation of New York
Application May 21, 1945, Serial No. 594,839
5 Claims. (Cl. 176—32)



1. An assembly comprising a hollow lamp mounting itself comprising an outer metal shell contact, an insulating sleeve telescoped in said shell, and an inner metal contact telescoped in said sleeve; and an electric lamp in said mounting with current leads extending and wedged between said outer and inner contacts and correspondingouter and inner surfaces of said insulating sleeve.

2,419,396
RETARDED SHADED POLE MOTOR
Nils Pontus Wilhelm Frisk, Stockholm, Sweden, assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden, a company of Sweden
Application February 16, 1944, Serial No. 522,685
In Sweden January 5, 1943
2 Claims. (Cl. 172—239)

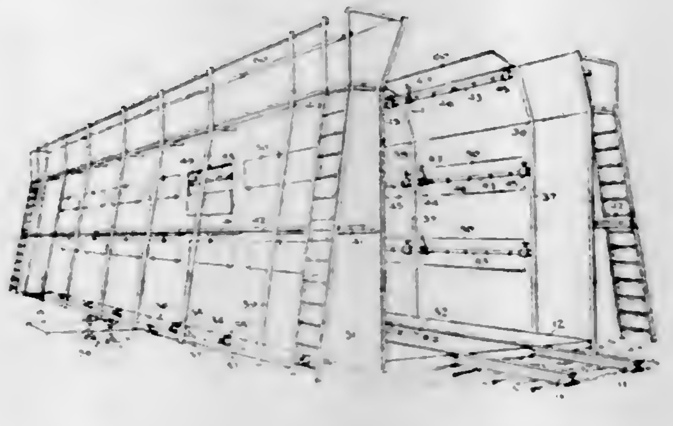


1. In an alternating current relay, a main winding adapted to be energized by alternating current, secondary coils adjacent said winding, a rotor rotatable upon short circuiting one of said secondary coils, a resistance, and means operated by rotor rotating incident to short circuiting of one of said secondary coils to connect the other secondary coil with a resistance whereby the second mentioned secondary coil exerts a driving torque on said rotor in opposition to and of less value than the rotating influence of the short circuited secondary coil.

2,419,397

SPRAYING RACK FOR RAILWAY CARS

John R. Frohoff and Kenneth J. Glasmann,
Denver, Colo.
Application February 26, 1944, Serial No. 524,140
3 Claims. (Cl. 134—123)

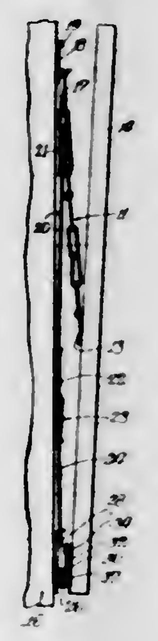


1. In a spraying device for rolling stock, the combination of a basin-forming base provided with liquid drains; side walls enclosing a passageway for the rolling stock to be treated, said walls being provided with rows of doorways; decks external to said walls affording access by personnel to said doorways; doors normally closing said doorways; a plurality of swiveled, nozzle-carrying pipes; valves controlling said pipes, and means for swiveling said pipes each accessible through said doorways; and means for delivering hot liquid under pressure to said spray pipes under control of said valves.

2,419,398

HANGER DEVICE

Lucius D. Golden, Richmond, Ind.
Application May 26, 1945, Serial No. 596,024
10 Claims. (Cl. 248—29)



1. A hanger device for hanging an object from a vertical wall surface comprising means for swingably supporting said object on the vertical wall, a freely swingable member interposed between the surfaces of said wall and said object, and a freely rotatable member carried by said freely swingable member and adapted to engage one of said surfaces for rotation thereagainst upon relative swinging movement of said object or said freely swingable member.

2,419,399

FABRIC TREATING PASTE

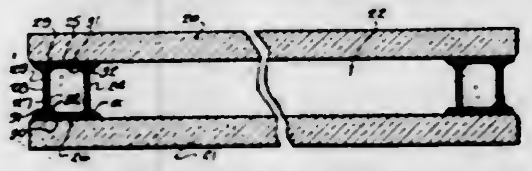
Ernest Paul Hartsfield, Wilmington, Del., and Joseph Lester Richmond, Woodstown, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 29, 1944, Serial No. 533,398
5 Claims. (Cl. 252—8.8)

1. A composition of matter comprising a long-chain acylamido-methylene-quaternary-ammonium chloride in paste form, the liquid phase being essentially an alcohol which is liquid at room temperature and the concentration of the chloride in the paste being at least 40% by weight of the entire composition.

2,419,400

MULTIPLE GLAZING UNIT

Charles D. Haven, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application January 11, 1943, Serial No. 471,987
11 Claims. (Cl. 20—56.5)

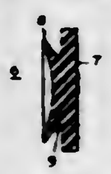


1. A multiple glazed unit, comprising a pair of glass plates arranged in spaced substantially parallel relation to provide an insulating air space therebetween, a separator positioned between and secured to the glass plates adjacent the margins thereof, a second separator positioned between and secured to the glass plates and spaced inwardly from the first separator to form a chamber therebetween, a dehydrating material arranged within said chamber, and openings formed in said first and second separators placing the said chamber in communication with the space between the glass plates and also with the atmosphere.

2,419,401

SYRINGE PLUNGER SEAL

William E. Hinds, Hillsboro, Oreg.
Application February 25, 1946, Serial No. 650,107
4 Claims. (Cl. 128—218)



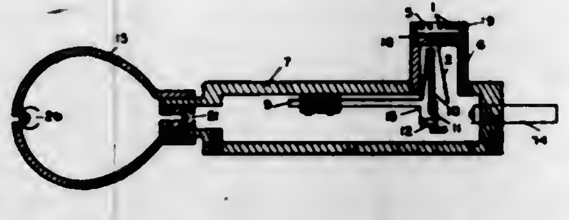
1. A plunger attachment for preventing leakage between the plunger and barrel of a syringe, said attachment comprising a resilient disc-shaped member and a suction cup integrally formed therewith and adapted for holding said attachment on the forward end of the plunger.

2,419,402

CIGARETTE LIGHTER

John H. Homrighous, Oak Park, Ill.
Original application May 16, 1939, Serial No. 273,911. Divided and this application August 20, 1942, Serial No. 455,468
2 Claims. (Cl. 219—32)

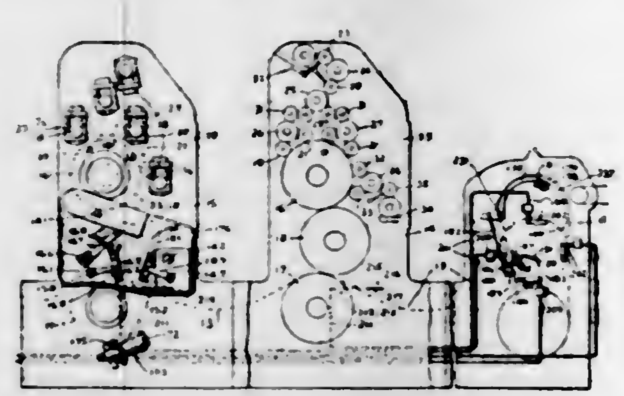
1. In an electric cigarette lighter, a hollow air tight housing, a collapsible bulb disposed at one end of said housing and having an aperture communicating with the interior of the housing, an electric heating element mounted on a tubular member projecting from said housing and over apertures communicating with the interior of the housing, an energizing circuit for said heating element including a pair of male plug terminals secured to the opposite end of said housing and adapted to be inserted into a current supply receptacle, said circuit also including a bimetallic switch mounted on the inner walls of the housing and adapted to be flexed by heat from the heating element, a resistor mounted on the inner walls of said housing and inserted in series with said heating element by said switch when the heating element becomes heated to the desired heat and the switch is in open circuit position, said bulb adapted for hand compression to force a current of air through said apertures and a cigarette pressed against said heating element.



2,419,403

PRINTING MACHINE

Albert J. Horton, White Plains, N. Y., and William K. Eckhard, Newark, N. J., assignors to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application August 9, 1941, Serial No. 406,110
1 Claim. (Cl. 101—137)



In a sheet-fed rotary offset printing machine having a sheet registering device including a sheet detector, a plurality of rotary printing units, a flexible conveyor having spaced sheet carrying elements for taking sheets from the registering device and conveying them through the printing units, and tripping means on each unit for tripping the mechanisms thereof off and on in a predetermined cycle timed with relation to the rotation of the unit, and in combination, a unit trip control on each unit settable in advance of a cycle of operation of the tripping means for determining whether the tripping means trips on or off during the said cycle of operation, and a sequential trip control comprising a rotary member driven with the machine, a series of power-transmitting devices, one for each printing unit and spaced around the rotary member, means connecting the said power-transmitting devices in order to the respective unit trip controls for setting the same successively upon momentary actuations of the power-transmitting devices, actuating elements, equal in number to the printing units but fewer than the sheet-carrying elements, the said actuating elements being spaced around and carried by the rotary member and each said actuating element being settable to an actuating position or a non-actuating position with relation to said power-transmitting devices, during the travel of the said actuating element from a power-transmitting device for a unit to that for the next unit, and means responsive to the sheet detector for so setting an actuating element during the passage of a sheet carrying element from the registering device to the first printing unit for setting the unit trip control of the first unit for controlling the tripping thereof upon arrival of a sheet carrying element and thereafter sequentially setting the unit trip controls of the succeeding units for controlling the tripping thereof upon arrival of the said sheet carrying means.

2,419,404

METHOD FOR HIGHER FATTY ACID POLYAMINE SOAPS

James M. Johnson, New York, N. Y., assignor to Nostrip Inc., a corporation of Delaware
No Drawing. Application March 9, 1943, Serial No. 478,585
3 Claims. (Cl. 260—404.5)

1. In making a surface active agent, the method which comprises reacting an aliphatic polyamine with carbon dioxide in amount at least approximately equal to mol of the polyamine, then mixing the product with a higher fatty acid containing 8 to 22 carbon atoms to the molecule and in amount in excess of two mols for each mol of the carbon dioxide, and heating the resulting mixture to a temperature of at least approximately 250° F. to expel the volatile acidic substance and form a soap of the amine with the higher fatty acid.

2,419,405

PROCESS FOR PREPARING 1-HYDROXY-4-ARYLAMINO ANTHRAQUINONES

David X. Klein, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 5, 1943, Serial No. 485,949
1 Claim. (Cl. 260—380)

The process of preparing 1-hydroxy-4-arylaminoanthraquinones which comprises reacting a mixture of quinizarin and leuco quinizarin, in which the leuco quinizarin comprises from 20% to 25% of the mixture, with an arylamine in the presence of boric acid and a solvent of the class consisting of alcohols and water, the amount of arylamine employed being that amount, less than two mols per mol of quinizarin and leuco quinizarin combined, which is required to convert all of the dihydroxy compounds to the 1-hydroxy-4-arylaminoanthraquinone without the formation of any substantial amount of the 1,4-diarylaminoanthraquinone, the amount of solvent employed being in a ratio of from 4 to 5 parts per part of quinizarin and leuco quinizarin in the reaction.

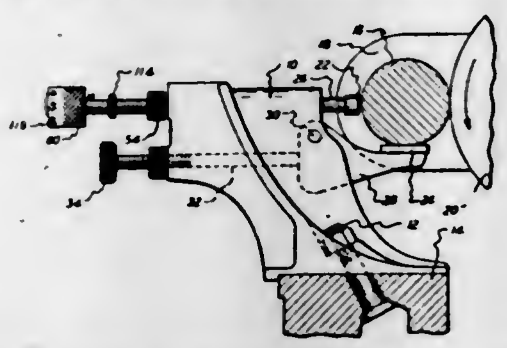
2,419,406

ANGULARITY INDICATOR FOR GRINDING CRANKSHAFTS

Paul F. Koebbe, Jackson, Mich.
Application April 4, 1945, Serial No. 586,589
4 Claims. (Cl. 51—239)

1. A combination steady rest and indicator for grinders and the like comprising a shoe engaging with and giving support to the work, an indicator

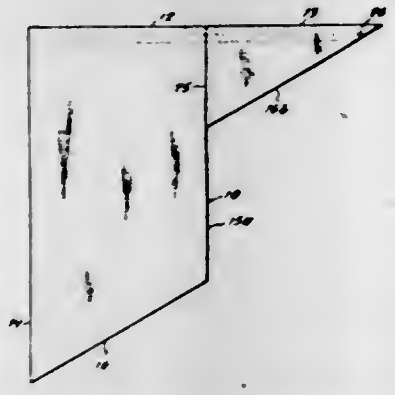
rod extending through said shoe, an indicator connected to said rod at a point remote from said



shoe, and means to withdraw and hold said indicator rod in an inoperative position.

2,419,407
CURTAIN CONSTRUCTION

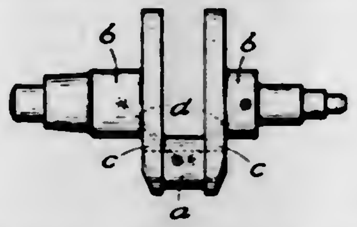
Edward Lepow, New York, N. Y., assignor to Home Curtain Corporation, Far Rockaway, N. Y., a corporation of New York
Application September 24, 1945, Serial No. 618,368
5 Claims. (Cl. 160—330)



1. Curtain construction comprising: a body panel blank having a substantially horizontal top edge; an angularly disposed bottom edge; and a pair of vertical edges which are unequal in length; and a valance blank shorter in length than the shortest of said vertical edges of the body panel blank and secured thereto.

2,419,408
CRANKSHAFT

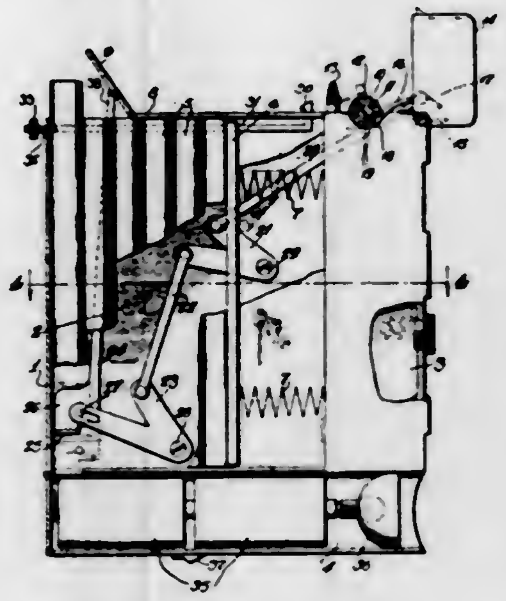
William Arthur Lightowler, Coventry, England, assignor to The Maudslay Motor Company Limited, Coventry, England
Application November 14, 1944, Serial No. 563,341
In Great Britain November 15, 1943
3 Claims. (Cl. 74—605)



1. A crankshaft comprising a main journal, a crank pin or connecting rod journal, and a web connecting said main journal and said crank pin or connecting rod journal, an oil passage being formed as a straight drilling between said main journal and said crank pin or connecting rod journal so as to connect points of the journal surfaces which are on opposite sides of the common axial plane of said two journals, said drilling passing through said web.

2,419,409
DISPENSING CIGARETTE CASE AND LIGHTER

Ralph M. Long, Biggs Field, Tex., assignor of twelve and one-half per cent to H. P. Talley and forty-three and three-fourths per cent to Tillie Bates, both of El Paso, Tex.
Application January 24, 1945, Serial No. 574,236
5 Claims. (Cl. 206—41.3)

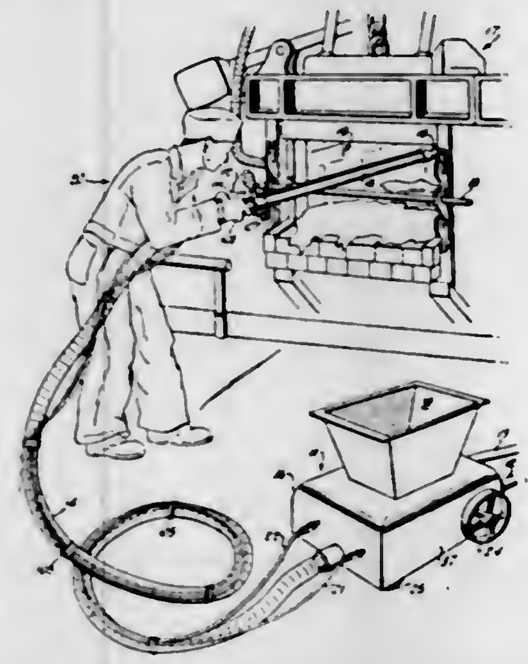


1. A cigarette case comprising a housing containing a cigarette compartment adapted to receive a row of cigarettes, means urging said cigarettes toward one end of said compartment, a lifter element at said end adapted to lift the end cigarette of said row at the lower end of said cigarette axially thereof upwardly through an opening provided therefor in the top wall of said housing, a spark wheel mounted on the top end of said housing, a flint member secured to said housing in frictional contact with said spark wheel, a wick positioned adjacent said spark wheel adapted to be ignited thereby upon rotation of said spark wheel, a cover member for said wick and spark wheel hinged to the top of said housing, a pawl member pivotally secured to said cover member, spring means biasing said pawl member for operative engagement with said spark wheel, said pawl member and spark wheel being formed and arranged so that said spark wheel is rotated by said pawl member when the cover member is raised, and linkage means connected between said lifter element and said cover member adapted to raise said lifter member when said cover member is raised.

2,419,410
CEMENT OR REFRACTORY MATERIAL GUN AND SUPPLY SYSTEM FOR SAME

Spencer B. Maurer, Cleveland, Ohio, assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey
Application August 26, 1944, Serial No. 551,407
15 Claims. (Cl. 91—45)

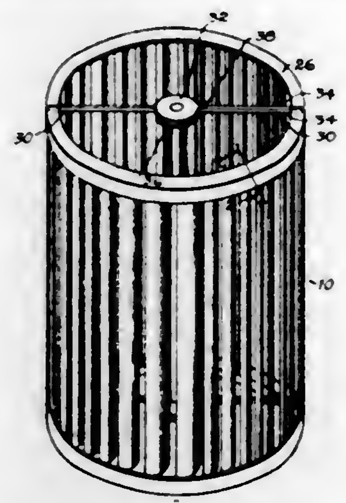
7: In a system of the character described, a transportable supply and feeding unit having means for carrying a supply of refractory and/or cementitious material and feeding the latter to an ejecting nozzle adapted to be connected to the feeding unit, said feeding unit comprising a wheeled truck having a hopper fixed thereon, means adapting said feeding unit for receiving a continuous flow of pressure fluid and of water, a main hose connection disposed upon a portion of said feeding unit for supplying pressure fluid together with refractory material from the hopper through said hose connection to the nozzle, an ejector throat member communicating with and leading from said hopper to said hose connection, a water supply connection and a pressure fluid connection also disposed on the feeding unit, means for introducing water from the water supply connection into the pressure fluid before it issues from said nozzle, and operable means for causing the feeding of refractory material from said hopper to said ejector throat member, including a shiftable material feed control valve capable of opening and interrupting the communication between the throat member and the supply of refractory material in said hopper, a cylinder having a piston slidably mounted therein and adapted for fluid operation in at least one direction from initial position to operated position, and capable of shifting said material feed control valve from and toward said throat member to open or close the communication between the latter and the interior of said hopper, and thereby feed refractory material to said throat member and toward said main hose connection or shut off the refractory material therefrom, and manually operable control means effective to initiate operation of said piston and thereby open the material feed control valve at will and cause or stop the feeding of refractory material to said throat member, and means for causing the pressure fluid to continue flowing to said throat member irrespective of the position of said material feed control valve.



2,419,411
BLOWER

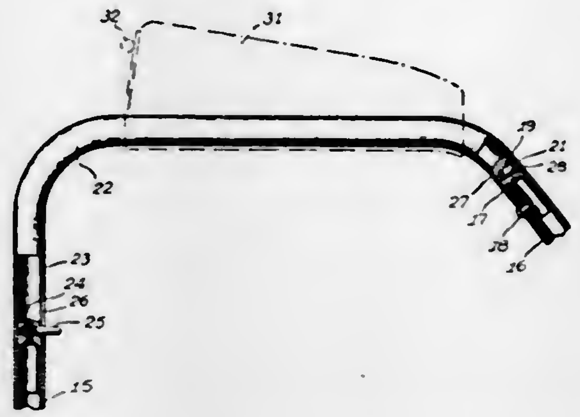
Robert A. Mayne, Dayton, Ohio
Application November 13, 1944, Serial No. 563,234
6 Claims. (Cl. 230—134)

1. In a blower assembly the combination including a pair of spaced rings and sheet metal arcuate blower blades mounted between the rings, each of the sheet metal blower blades terminating in a pair of extensions, the extensions of each blade lying in a common plane substantially normal to a portion of the arcuate blower blade, the width of the extensions being equal to the spacing of the blades so that the edges of the extensions of adjacent blades contact each other, the ends of the extensions being folded inwardly and under the rings so as to hold the blades in position with respect to the rings.



2,419,412
ARM REST

Warren McArthur, Bantam, Conn., assignor, by mesne assignments, to Reconstruction Finance Corporation, New York, N. Y., a corporation of the United States
Application November 19, 1943, Serial No. 510,883
3 Claims. (Cl. 155—198)



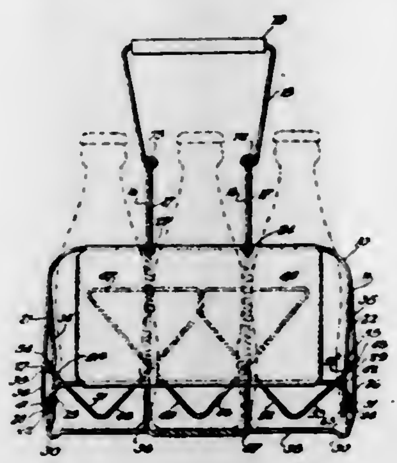
1. An article of furniture comprising in combination, a supporting frame including front and rear legs formed by tubular members, a tubular arm rest, means removably connecting one end of the arm rest to one of the legs and comprising a plug slidably mounted in said one end of the arm rest and movable into telescoping engagement with said one of the legs, and means for preventing rotational movement of the plug with respect to the arm rest, and means connecting the other end of the arm rest to the other leg.

2,419,413
BOTTLE CARRIER

David McCalla, Wisconsin Rapids, Wis.
Application September 24, 1945, Serial No. 618,095
7 Claims. (Cl. 224—48)

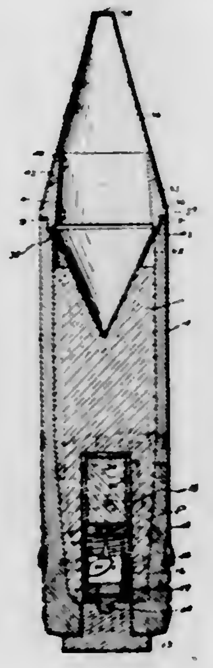
1. A collapsible carrier comprising a pair of intersecting frames, a flexible separator frame between said intersecting frames, pivot means associated with said frames at the intersection thereof whereby said frames are adapted to lie substantially parallel to each other in a collapsed position and at an angle with respect to each other in an operative position, said flexible separator coacting with one of said frames at one end of said carrier and coacting with the other

of said frames at the other end of said carrier to maintain said separator substantially midway between said frames, and carrier means attached to each of said pair of frames.



2,419,414
PROJECTILE

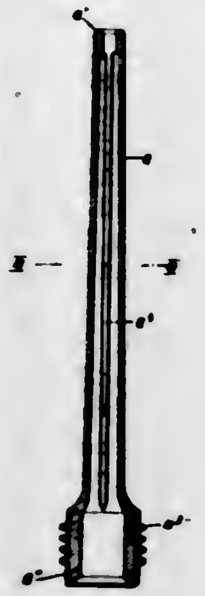
Henry Hans Mohaupt, Washington, D. C., assignor to Sageb, Societe Anonyme de Gestion et d'Exploitation de Brevets, Fribourg, Switzerland, a corporation of Switzerland
Application October 3, 1941, Serial No. 413,549
7 Claims. (Cl. 102—56)



1. A projectile comprising a strong body having an explosive charge therein of high explosion velocity, a strong intermediate member secured to said body and having an external forwardly convergent surface, a hollow ballistic nose fitting said convergent surface and welded to said intermediate member whereby a smooth external surface is provided and said nose is caused to flare at its rear end upon impact of the projectile, a secondary projectile having the general form of a hollow cone with its base toward the front end of the projectile and provided with an external peripheral projection engaged between said body and intermediate member whereby the cone is accurately maintained in position, and means for detonating the charge instantaneously upon impact of the projectile for effecting radial collapsing and expulsion of the secondary projectile.

2,419,415
BOBBIN AND WEFT CARRIER FOR TEXTILE MACHINES

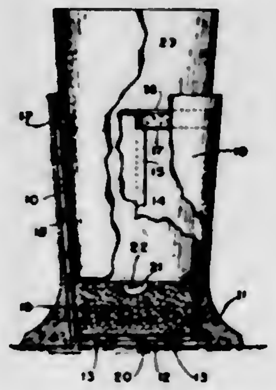
Albert Morf, Uster, Switzerland
Application August 27, 1942, Serial No. 456,385
In Germany November 17, 1941
2 Claims. (Cl. 242—120)



1. A textile machine accessory of bobbin-like configuration comprising a hollow tubular body portion of injection-molded artificial resin provided with internal splines a metal cap at one end of said body portion and an externally corrugated metal ferrule at the other end of said body portion, said metal cap and said ferrule being exteriorly disposed on and inseparably bonded to said body portion and said internal splines being integrally cast with said body portion.

2,419,416
HOLDER AND WARMER FOR LIQUID CONTAINERS

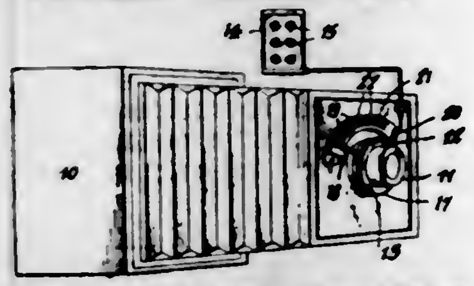
Samuel J. Mustain, Newark, N. J.
Application August 15, 1944, Serial No. 549,614
3 Claims. (Cl. 126—246)



1. A liquid holder comprising a cup-shaped holder interiorly tapered inwardly from top to bottom, a liquid-holding vessel similarly tapered and adapted to be seated in the holder, a heat-conducting element between the vessel and the bottom of the holder, an expansible open-ended liner similarly tapered having a discontinuous laterally extending flange at its upper end and disposed between the holder and the vessel while surrounding and frictionally engaging both vessel and heat-conducting element in heat-exchange contact, and a resilient ring extending in air-sealing relationship between the inside of the holder and both the flange and the outer wall of the liner.

2,419,417
ATTACHMENT FOR PHOTOGRAPHIC APPARATUS

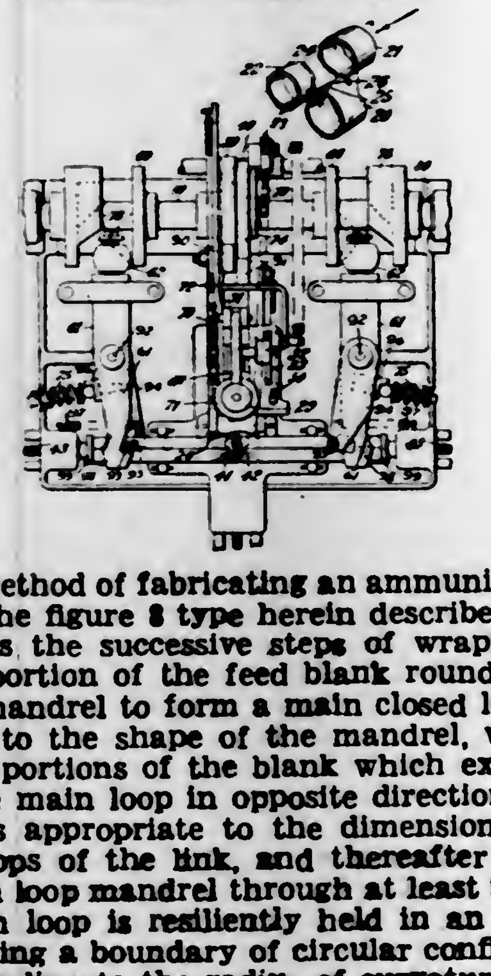
Jacob Omel, Kenmore, N. Y.
Application March 5, 1943, Serial No. 478,107
2 Claims. (Cl. 177—311)



1. A camera attachment, comprising a plate adapted for attachment to the camera about the lens barrel thereof and having contact posts mounted thereon for adjustment relative thereto to accord with the diaphragm stop numbers on the dial, and a collar adapted for attachment to the lens barrel for movement therewith and having a contact arm mounted thereon for traversing engagement with said contact posts.

2,419,418
METHOD AND APPARATUS FOR BENDING METAL TO LOOP FORMATION

William Robert Oyston, Watford, England, assignor to Novobax Limited, Watford, England, a British company
Application March 15, 1943, Serial No. 479,178
In Great Britain January 29, 1942
9 Claims. (Cl. 59—635)

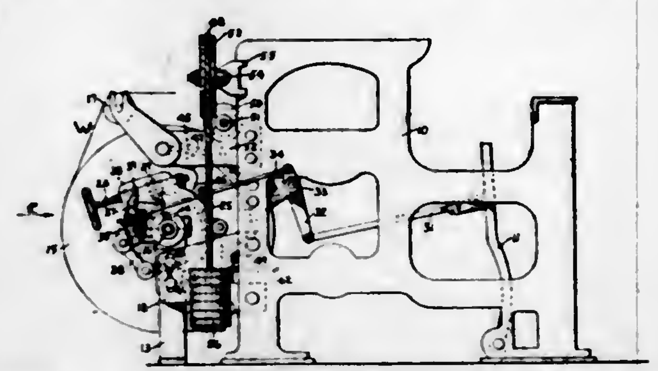


1. A method of fabricating an ammunition feed link of the figure 8 type herein described, which comprises the successive steps of wrapping the central portion of the feed blank round an oval or like mandrel to form a main closed loop conforming to the shape of the mandrel, wrapping the end portions of the blank which extend beyond the main loop in opposite directions round mandrels appropriate to the dimensions of the small loops of the link, and thereafter rotating the main loop mandrel through at least 90° while the main loop is resiliently held in an external die defining a boundary of circular configuration corresponding to the radius of curvature desired for the main loop.

2,419,419
LETOFF MECHANISM FOR LOOMS

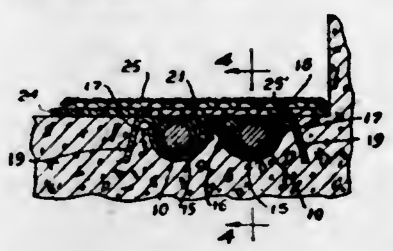
Oscar V. Payne, Leicester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application September 8, 1945, Serial No. 615,124
2 Claims. (Cl. 139—110)

1. In letoff mechanism for a loom having a warp beam which rotates in a forward direction to supply warp for the weaving operation, an arcuate guide extending forwardly from the warp beam and operatively connected thereto, a guide pulley mounted on the loom frame above said arcuate guide and rotatable about an axis substantially parallel to the axis of the beam, a second pulley above the first pulley rotatable on the loom about a horizontal axis substantially at right angles to the axis of the first pulley, said second pulley being of such diameter that one side thereof extends beyond the end of the beam with respect to the longitudinal center of the beam, a flexible member connected at one end thereof to the arcuate guide and extending upwardly along the first pulley and over the second pulley and having the other end thereof depending from said one side of said second pulley, and a weight connected to said other end of the member, said weight effective to exert a force through the member and along said pulleys to the arcuate guide in a direction tending to cause reverse rotation of the warp beam.



2,419,420
SELF-CLINCHING NAILING GROUND

Manley R. Price, Lakewood, Ohio
Application January 20, 1945, Serial No. 573,788
7 Claims. (Cl. 72—105)



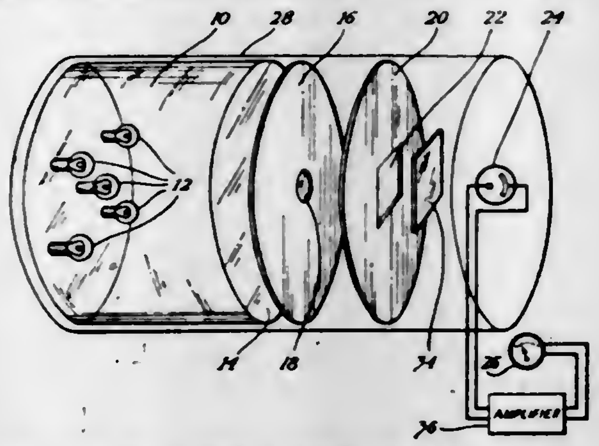
1. In a self-clinching nailing ground comprising a channel and a rod disposed lengthwise of the channel, the improvement comprising the provision of readily penetrable material disposed outwardly from the rod toward the open face of the channel, held therein, and through which a nail can be driven into clinching position about the rod.

2,419,421
METHOD OF CALIBRATING LENSES WITH RESPECT TO EFFECTIVE PHYSICAL SPEED

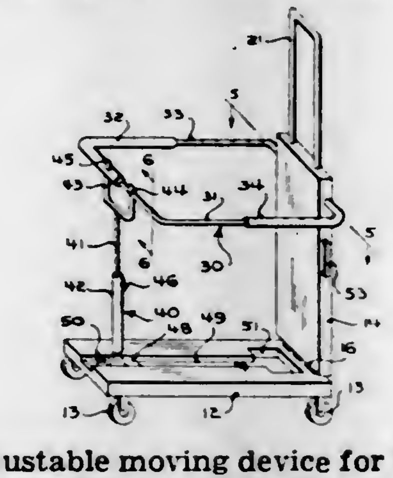
Lawrence T. Sachtleben, Indianapolis, Ind., assignor to Radio Corporation of America, a corporation of Delaware
Application May 30, 1944, Serial No. 538,058
7 Claims. (Cl. 88—14)

1. The method of calibrating a lens having an adjustable diaphragm with respect to its effective physical speed, which includes the steps of (1) establishing a primary geometrical standard of lens speed by measuring the light transmitted from a source of diffuse illumination of constant uniform brightness through a wholly illuminated circular aperture in an opaque sheet adjacent to

said source to an area in a plane parallel to the plane of said aperture and on a common optical axis with said source and said aperture, and (2) calibrating said lens by substituting said lens for said sheet in a position such that said area is in a focal plane of said lens, adjusting said diaphragm which also has its opening entirely illuminated until the light transmitted through said lens to said area is equal to the light transmitted through said aperture to said area, indicating said adjusted position on said diaphragm, and computing and recording the numerical speed of said lens at said adjustment as the ratio of the distance between said aperture and said area along said axis to the diameter of said aperture.



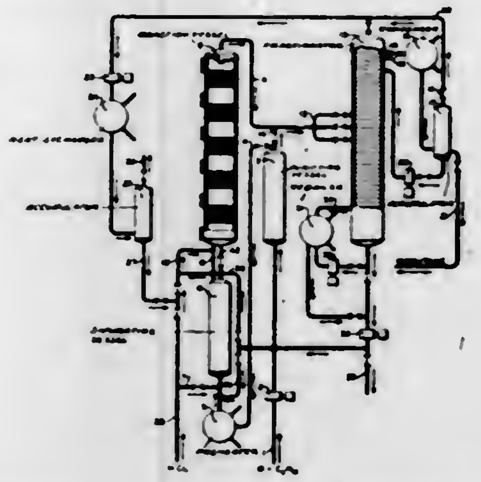
2,419,422
DEVICE FOR CARRYING LUGGAGE AND OTHER ARTICLES
Albert Schulein, New York, N. Y.
Application November 24, 1945, Serial No. 630,642
10 Claims. (Cl. 280—36)



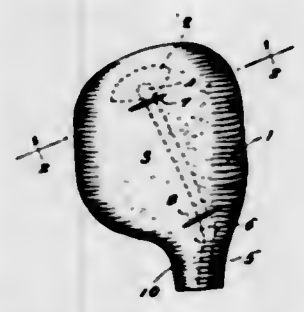
1. An adjustable moving device for luggage and the like, comprising a plate-like undercarriage for resting on and being moved along the ground, a back hingedly mounted on said undercarriage for folding flat against said undercarriage and for assuming an erect position upon the back end of said undercarriage, a sectional rectangularly shaped frame having extendable and retractable sections and hingedly mounted upon the top portion of said back, and an extendable and retractable brace adjustably mounted upon said undercarriage for supporting said frame in a raised position.

2,419,423
ISOMERIZATION OF NORMAL PARAFFIN HYDROCARBONS
Eugene E. Sensel, Harold V. Atwell, and Arthur R. Goldsby, Beacon, N. Y., assignors, by mesne assignments, to The Texas Company, New York, N. Y., a corporation of Delaware
Application June 30, 1939, Serial No. 282,054
3 Claims. (Cl. 260—683.5)

1. In a continuous process of subjecting normal paraffin hydrocarbons to contact with an active metallic halide isomerization catalyst during passage in liquid phase through primary and secondary zones of contact with the catalyst at a temperature within the range of 150 to 275° F. to effect substantial conversion to isoparaffins, and such that a portion at least of the catalyst in the secondary zone forms metallic halide-hydrocarbon complex, the steps comprising passing the hydrocarbon feed to said primary zone, subjecting the feed to intimate contact in the primary zone with active metallic halide including complex formed in said secondary zone at approximately the conversion temperature, passing the preliminarily treated feed from said primary zone to said secondary zone arranged at an elevation above said primary zone, subjecting the hydrocarbons in the secondary zone to intimate contact with relatively fresh metallic halide confined therein in solid form at the conversion temperature, removing the so-treated hydrocarbons from the secondary zone, removing the complex formed in said secondary zone and passing it by gravity to said primary zone for contact with fresh hydrocarbon feed.

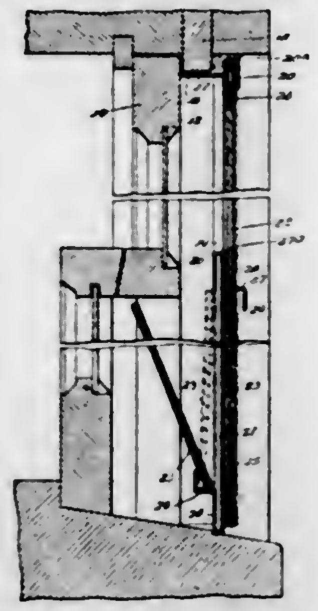


2,419,424
METHOD OF BONING HAMS
Peter J. Staab, Stuttgart, Ark.
Application October 5, 1944, Serial No. 557,295
2 Claims. (Cl. 17—45)



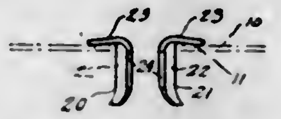
1. The method of boning a ham comprising forming short incisions in a ham transversely thereof across the thigh bone adjacent the aitch bone and the stifle joint, said incisions being of a depth to extend beyond the thigh bone, cutting through the thigh bone adjacent upper and lower ends thereof, removing the aitch bone from the ham through the adjacent incision together with the attached upper end of the thigh bone, thrusting a gouge into one incision and along the sawed thigh bone to loosen said bone from the meat, shifting the thigh bone longitudinally and out through one of said incisions, and withdrawing the leg bone and the attached lower end of the thigh bone from the hock of the ham through the incision adjacent the stifle joint.

2,419,425
STORM WINDOW
Joseph Sylvan, Berkley, Mich.
Application August 7, 1944, Serial No. 548,385
3 Claims. (Cl. 160—91)



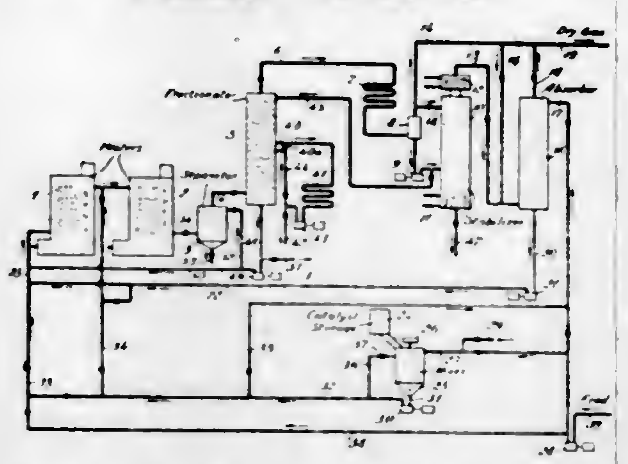
2. In combination, a window construction embodying an upper window sash, a storm window disposed in front of the first said window, said storm window embodying an upper and a lower sash freely slidable with respect to each other, a formation on the lower sash constituting a support, and a screen adapted to be positioned below the lower storm sash when the latter is raised, said screen adapted to be also positioned upon said support, with the upper edge of said screen positioned beneath the bottom rail of the upper sash of the building window, to lock the last said sash against being lowered, and to also lock the lower storm window sash against being raised.

2,419,426
CABLE CLAMP
Nathan Tarnow, Detroit, Mich.
Application September 26, 1946, Serial No. 699,485
1 Claim. (Cl. 285—47.1)



In a cable clamp for clamping a cable to a surface having a hole through which the cable passes, said cable clamp consisting of two similar complementary halves, each half being in the form of an angularly bent sheet metal piece, including a base portion and a back portion, each base portion having its center part curved to fit closely around a cable, and having apertured wings on its ends, the back portions being spaced axially from said wings sufficiently to permit said surface to be disposed in front of said back portions and in back of said wings, and two screw bolts connecting the pairs of adjacent wings of the complementary halves to clamp them together around a cable, with the base portions in front of said surface and with the back portions in back of said surface, the back portions being so proportioned with respect to said hole that they can be entered through said hole, without the cable in the clamp, from the front of said surface, even when the halves of the clamp are interconnected by the bolts, the improvement which consists in making, the angle between the base portion and the back portion of each half being slightly less than 90°, whereby tightening of the bolts when the halves are around a cable rocks the halves so that their extremities first engage the back of said surface and the halves are held tightly against said surface.

2,419,427
MANUFACTURE OF GASOLINE USING ADSORPTIVE CATALYSTS
John W. Teter, Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
Application June 24, 1941, Serial No. 399,448
2 Claims. (Cl. 196—52)

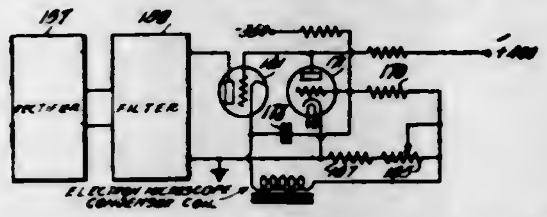


1. In the manufacture of high anti-knock gasoline from high boiling petroleum oils, the improvement which comprises mixing a finely-divided adsorptive catalyst with oil to be cracked and passing the mixture under substantial superatmospheric pressure and at a velocity adequate to maintain the catalyst in admixture with the oil through a cracking zone maintained at a cracking temperature upwards of 900° F., maintaining the mixture at the cracking temperature in said zone for a period of time sufficiently prolonged to produce a substantial yield of gasoline in a single passage through said zone, separating the mixture discharged from said cracking zone into a composite gas-vapor mixture and a residual component comprising spent catalyst, thereafter separating a condensate higher boiling than gasoline from the composite gas-vapor mixture, subjecting the remaining gas-vapor mixture to a condensing operation and a stabilizing operation separate therefrom a stabilized gasoline product and a fraction comprising normally gaseous hydrocarbons, contacting the normally gaseous hydrocarbons with an absorbent oil, supplying to the cracking zone the absorbent oil together with the constituents absorbed therein during said contacting treatment and a portion of said higher boiling condensate, and discharging from the system without reintroduction to the cracking zone a portion of said higher boiling condensate.

2,419,428
POWER SUPPLY FOR ELECTRON MICROSCOPES
Arthur W. Vance, Cranbury, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 28, 1942, Serial No. 440,771, which is a division of application Serial No. 365,750, November 15, 1940, now Patent No. 2,302,900, dated November 24, 1942. Divided and this application April 17, 1943, Serial No. 483,487
2 Claims. (Cl. 171—312)

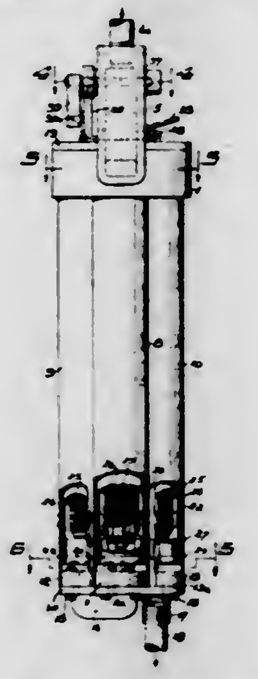
1. A current regulator comprising a source of direct current, a load device, an electron dis-

charge device having cathode, anode and grid electrodes, said anode and cathode electrodes being connected in series circuit with said load device and said source, said series connection also including a series impedance, a control tube having cathode, grid and anode electrodes, means coupling the grid and cathode of said control tube in shunt with all of said impedance, said grid of said control tube being connected to the positive terminal of said impedance, means conductively coupling the anode of said control tube to the grid of said discharge device, means for applying a positive potential to said anode electrode of said control tube, and a network connected to said grid of said control tube for suppressing A.-C. potentials across said impedance.



2,419,429
ELECTRIC WATER HEATER

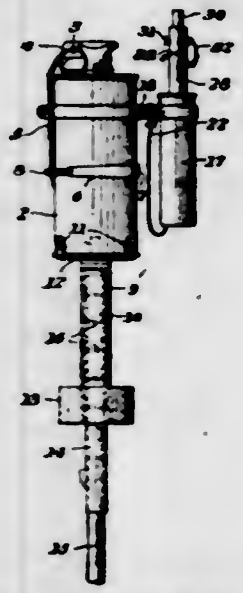
Oscar M. Voiles, Royal Oak, Mich., assignor to Voiles Engineering Company, Royal Oak, Mich., a corporation of Michigan
Application April 30, 1945, Serial No. 591,193
1 Claim. (Cl. 219—39)



An electric water heater including a top and a bottom header, an inlet connection in the top header extending to a chamber therein, the top header having parallel openings therein smaller adjacent their upper extremities, a port therein connecting two of the openings and a passage therein connecting the chamber with another opening therein, outer tubes mounted in the lower extremities of the openings, inner tubes closed at their lower extremities mounted in the smaller upper extremities of said openings and projecting downwardly in the outer tubes to form annular passages therein, apertured discs in the lower extremities of the outer tubes spaced below the undersides of the inner tubes, a bottom header on which said discs are secured, the bottom header having ports therein connecting the apertures in two of the discs, an outlet connection in the bottom header in communication with another apertured disc, a rod mounted for rotary movement in and extending through opposite sides of the chamber, a control member fixed on the rod normally extending across the chamber and adapted to be moved by water flowing through the latter, a weighted arm fixed on the rod and extending at a downward inclination therefrom, an insulating plate on the top header, terminals thereon connected to the heating elements, an electric circuit including a switch to which the terminals are connected, said weighted arm being connected to the switch whereby the latter and the circuit are closed by movement of the control member when water flows through the chamber, and said switch being opened by movement of the weighted arm and member when the water flow through the chamber ceases.

2,419,430
TREE SUSPENSION GRENADE DEVICE

Carl R. Weinert, West View, Pa., assignor to Federal Laboratories, Inc., Pittsburgh, Pa., a corporation of Delaware
Application July 25, 1945, Serial No. 606,908
6 Claims. (Cl. 102—65.2)

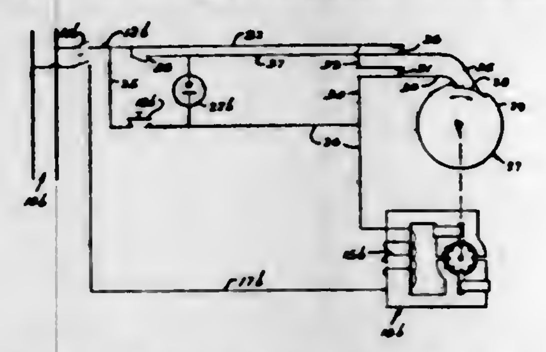


1. A tree suspension grenade device comprising a grenade containing a charge, a firing mechanism for the grenade charge, locking means for the grenade firing mechanism, a cartridge connected to the grenade, a folded cord and a weight and an explosive charge in the cartridge, a firing mechanism for exploding the cartridge charge, one end of the cord being connected to the weight and the other end of the cord being connected to the grenade, the grenade firing mechanism and the cartridge firing mechanism being operative upon launching the device to ignite the grenade charge and to explode the cartridge charge and expel the cord and weight from the cartridge so that the cord may entangle in a tree.

2,419,431
INDUCTION MOTOR SPEED CONTROL

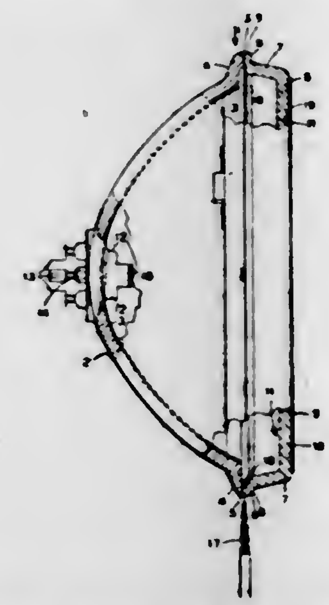
Lawrence S. Williams, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application November 3, 1943, Serial No. 508,772
5 Claims. (Cl. 172—278)

1. In a control for a shaded pole induction motor, in combination, a cam actuated by said motor, a plurality of switches operated by said cam, a manually operated switch, and a half wave rectifier, said rectifier and said switches being connected in parallel circuits, said combination of parallel circuits being connected in series with the motor, the first of said parallel circuits including the manually operated switch, the second of said parallel circuits including a cam operated switch and the third of said parallel circuits including the rectifier and one of said cam operated switches.



2,419,432
ELECTRIC PROJECTOR LAMP

Daniel K. Wright, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application December 1, 1944, Serial No. 566,193
1 Claim. (Cl. 176—34)

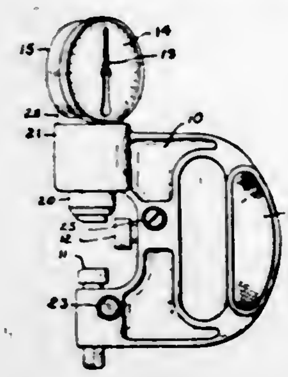


A projection lamp comprising a glass reflector section and a dish-shaped glass cover section with a planar end wall portion and a circumferential side wall portion fused at its periphery to the periphery of said reflector section and forming an enclosure for a light source, said cover section having a forwardly projecting marginal flange, and a secondary planar cover section carrying a film of light-polarizing material and secured to the said marginal flange in spaced relation to the surface of the end wall portion of said first-mentioned cover section.

2,419,433
COMPARATOR GAUGE

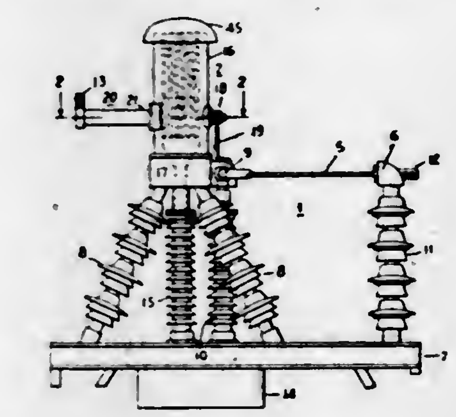
Willis Fay Aller, Dayton, Ohio, assignor to The Sheffield Corporation, Dayton, Ohio, a corporation of Ohio
Application November 1, 1943, Serial No. 508,561
3 Claims. (Cl. 33—147)

2. A gauging device of the character described comprising a body portion having a handle by means of which the gauging device can be supported by the user and having a pair of spaced arms projecting from the handle, an anvil carried by one of said arms, a work engaging plunger slidably guided in the other of said arms and adapted to contact with and be moved by work on the anvil, a carrier block carried by said other arm, said other arm and block having means including a plurality of circumferentially spaced attaching screws to locate the block in several predetermined positions of adjustment thereon, and an indicator unit detachably carried at the rear side thereof by said block and having an indicator face provided with an indicator and also having an indicator operating plunger and a plunger guide boss projecting through the block with the operating plunger contacting with the work engaging plunger, a sleeve surrounding the lower end of the operating plunger and interposed between the work engaging plunger and the end of said boss, said sleeve having such length as to permit operating movements of the plungers while limiting their movements to a predetermined extent preventing jamming of the parts.



2,419,434
ELECTRIC CIRCUIT INTERRUPTER

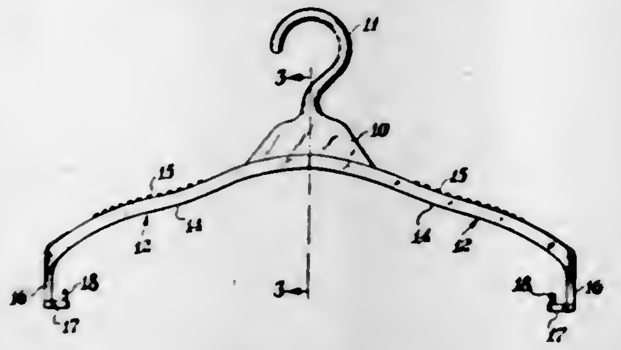
George L. Bareus, Drexel Hill, and Alexander C. Boisseau, Lansdowne, Pa., assignors to General Electric Company, a corporation of New York
Application April 24, 1945, Serial No. 590,014
5 Claims. (Cl. 200—148)



1. In a cross blast circuit interrupter, a chamber, a plurality of tubes of gas evolving insulating material of different diameters nested in said chamber to form spaces therebetween and having diametrically aligned openings in the walls thereof adjacent one end constituting a transverse arc passage therethrough, a contact in said chamber positioned adjacent the outer tube wall at one end of said passage, a cooperating contact reciprocable within said passage for drawing an arc therein, means for causing a longitudinal flow of pressure gas through said spaces from the end of said nested tubes adjacent said contacts to effect an arc extinguishing blast across said passage, and means for channeling said longitudinal flow of gas within said spaces through a plurality of slot-like nozzles for a short length of said tubes in the local region of said transverse arc passage.

2,419,435
GARMENT HANGER

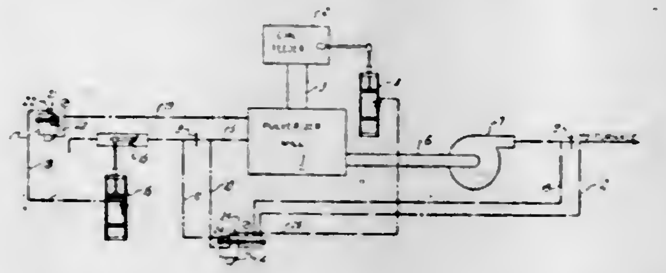
Siegfried Behr, Flushing, N. Y.
Application January 16, 1946, Serial No. 641,481
2 Claims. (Cl. 223—88)



1. A plastic garment hanger comprising a body having a flat central portion with tapered edges for supporting and engaging the neck of a coat or the like, an integral hook portion extending upwardly from said central portion, shoulder bars supported by said central portion, each bar consisting of a rear portion sloping outwardly and downwardly from said central portion and positioned substantially in the plane of the central portion, said rear portion terminating in an integral portion curved forwardly therefrom, and a front portion formed integrally with said curved portion, said curved and front portions being disposed on a plane offset from the plane of the central portion whereby said bar is substantially oval-shaped in plan for supporting the shoulder and sleeve of a coat or the like in natural condition, an integral bar depending from each outer curved portion and terminating in an inwardly extending horizontal lug portion, an integral stud on each lug portion extending upwardly therefrom and a transverse bar detachably mounted on said studs for supporting a trousers or the like.

2,419,436
COAL FEED AND AIR FLOW REGULATING SYSTEM FOR COAL PULVERIZING MILLS

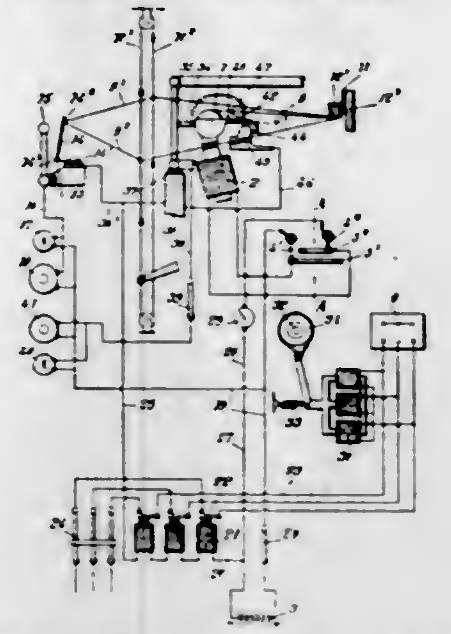
Mitchell J. Boho, Brentwood, Pa., assignor to John M. Hopwood, Mount Lebanon, Pa.
Application December 1, 1943, Serial No. 512,672
6 Claims. (Cl. 241—34)



5. A control system for a coal pulverizer provided with an air supply pipe, an exhauster pipe for carrying air and coal in suspension from the pulverizer, a variable rate coal feeder for said mill, said system comprising means responsive to pressure conditions in the pulverizer for so regulating the rate of supply of air that a predetermined pressure condition is maintained in the pulverizer, an orifice in the air supply pipe, an orifice in the exhauster pipe, and means responsive to the pressure drops across said orifices for so controlling the coal feeder that a predetermined relationship is maintained between the pressure differentials across said orifices.

2,419,437
SAFETY DEVICE FOR LOOMS

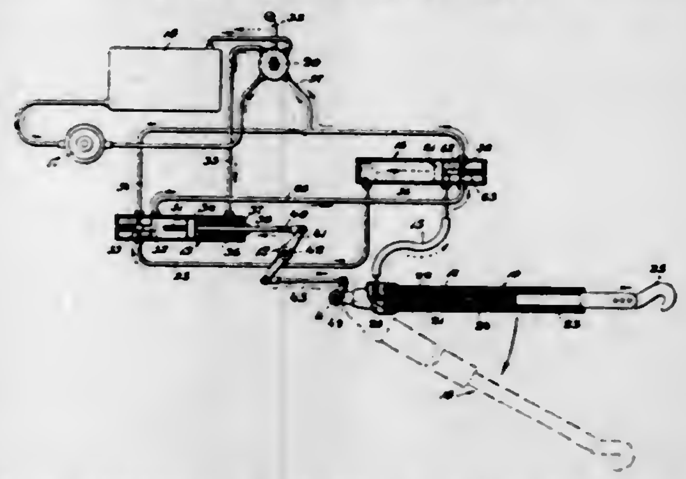
Henri Bricout, Paris, France, assignor to Comptoir Linier, Paris, France, a society of France
Application October 25, 1945, Serial No. 624,374
In France June 13, 1945
5 Claims. (Cl. 139—353)



1. For use in connection with an electric loom including a motor for driving it, a safety device which comprises, in combination, means for braking at least one part of the loom drive, electro-magnetic means for keeping, when fed with current, said braking means out of action, means for feeding current both to said braking means and said motor, means responsive to variations of tension of both the warp and the weft threads for cutting off said current feed means in case of lack of tension of any of said threads, at least two different alarm means, means responsive to variations of tension of the warp threads for operating one of said alarm means in case of lack of tension of one of said warp threads, and means responsive to variations of tension of at least one weft thread for operating the other alarm means in case of lack of tension of said weft thread.

2,419,438
TELESCOPING-RETRACTING HOOK FOR AIRCRAFT

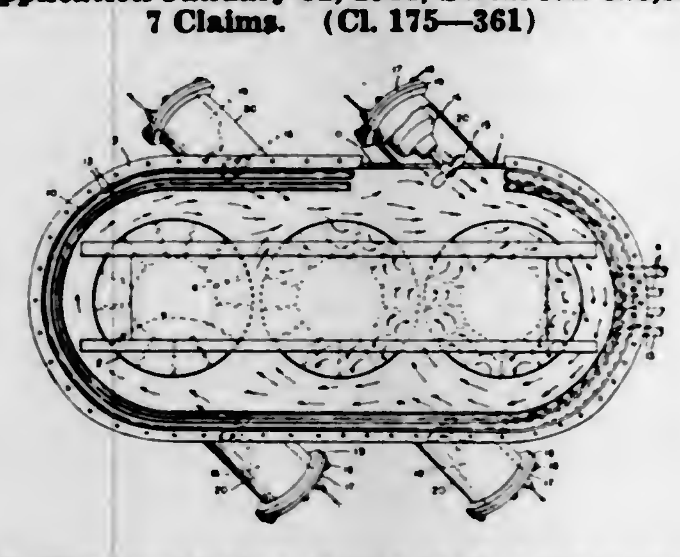
John Russell Clark, Stratford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application December 18, 1944, Serial No. 568,771
9 Claims. (Cl. 244—110)



4. A telescoping retracting hook for aircraft comprising an extendable retractable hook device adapted to be pivotally mounted on an aircraft, means for moving said hook device between a non-operative raised position and an operative lowered position and for extending and retracting said hook device while in the lowered operative position, said means including a hydraulic system for controlling the movement of said hook device, said hydraulic system including a hook jack in said pivotally mounted hook device, a dummy jack for hydraulically retracting said hook device, a linkage jack for pivotally moving said hook device, a hydraulic pressure supply and a valve for controlling the flow of pressure fluid to and from said jacks to operate said hook device.

2,419,439
COOLING SYSTEM FOR TRANSFORMERS

Ralph H. Cook, Ferndale, Mich.
Application January 31, 1944, Serial No. 520,561
7 Claims. (Cl. 175—361)



2. The combination with a tank, a transformer having electrical windings immersed in oil within said tank and spaced from a wall of said tank, and water tubes also immersed in oil within said tank and spaced from said windings and also spaced from said wall of said tank, of means substantially out of the path of the normal flow of the oil for propelling the oil generally transversely of the normal flow of the oil and past said windings and water tubes.

2,419,440
LOW-PRESSURE LAMINATE

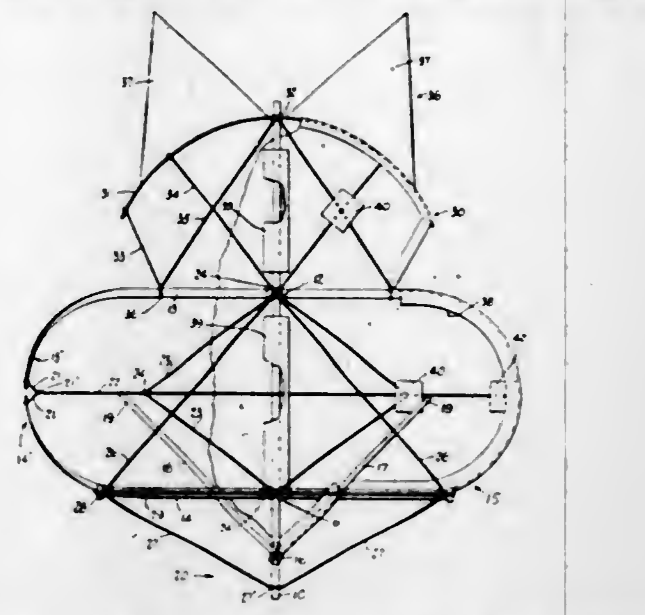
John Delmonte, Glendale, Calif., assignor, by direct and mesne assignments, of ten per cent to E. F. Lougee, La Canada, Calif., and sixty-five per cent to Hemphill Company, a copartnership consisting of Ralph Hemphill and Jane C. Hemphill
No Drawing. Application October 10, 1942, Serial No. 461.639
4 Claims. (Cl. 154—40)

1. A method of preparing a laminated structure comprising the steps of mixing approximately equal parts of melamine-formaldehyde and plaster of Paris, adding sufficient water to convert the above mixture into an adhesive paste-like mass, applying alternate layers of said mass and glass cloth upon a suitable form and adhering and solidifying the alternate layers under approximately normal atmospheric conditions of temperature and pressure.

2,419,441
KITE

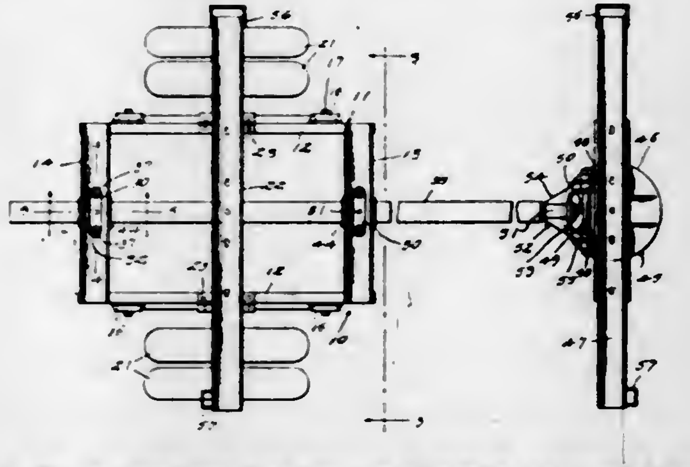
Nicanor P. de Roda, Somerville, N. J.
Application October 3, 1944, Serial No. 556,915
2 Claims. (Cl. 244—153)

1. A kite structure comprising a frame-like frontal part or nose and planes-forming main, middle and rear portions, the latter three portions constituting continuations of each other, said main portion having side wings extending beyond the width of the middle and rear portions, a centrally disposed longitudinal reinforcing member for the frontal part and the main and middle portions and comprising a tapered element larger and heavier at its front end and reducing in thickness and weight toward its rear end, the front end of said element extending beyond the nose, its reduced, substantially lighter rear end projecting beyond the middle portion, said main portion having edge reinforcements comprising elements tapering toward both ends and having a relatively thick central enlargements, the tapering ends being twisted from a horizontal to a vertical position, flexible means connecting the vertically positioned ends of these edge reinforcements, a bow supported by and centrally secured to the frontal edge reinforcement of the main portion and being held at substantially a right-angular position relative to said frontal reinforcement by frontal cords secured to the forwardly extending, large end of the central reinforcing member and by rearwardly extending cords secured to the central enlargement of the edge reinforcement of the middle portion, and an elastic band connected to the free ends of the bow.



2,419,442
LOGGING TRAILER

Claude Eugene Dorsey, Jr., Elba, Ala.
Application February 27, 1946, Serial No. 650,543
5 Claims. (Cl. 280—142)

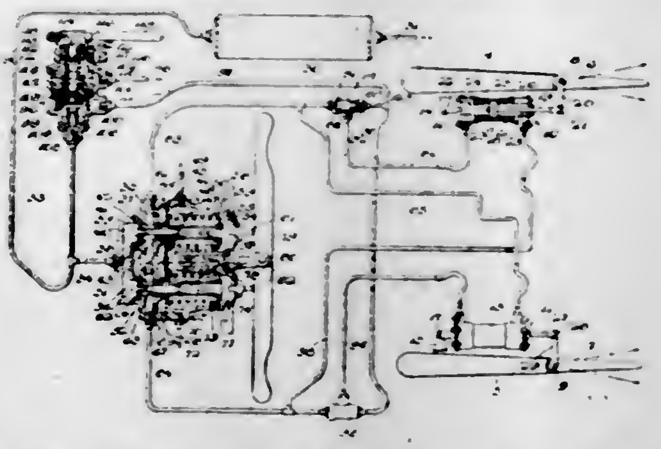


1. In a logging trailer, a chassis comprising a substantially rectangular frame, the ends of the frame each including a pair of vertically spaced channel beams, clamping means disposed between the beams of each pair of beams and substantially intermediate of their ends for receiving and lo-

cating a logging pole, and clamping fastenings passing through the beams, adjacent the clamping means, for clamping the pole in the clamping means.

2,419,443
FLUID PRESSURE CONTROL SYSTEM

Wilfred A. Eaton, Elyria, Ohio, assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio, a corporation of Delaware
Application June 7, 1943, Serial No. 489,982
12 Claims. (Cl. 244—85)

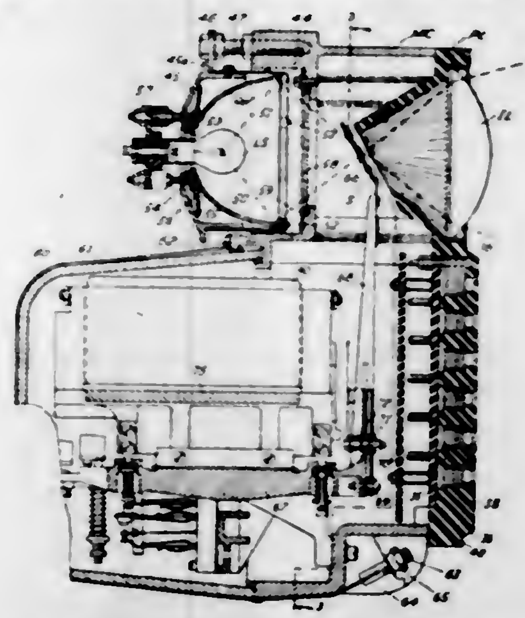


1. The combination in an airplane having a body portion and a pair of airfoils movably mounted with respect thereto for controlling the direction of movement of the airplane, of means for operating said airfoils and for resiliently biasing each of said airfoils away from neutral position in the same direction with equal forces including a source of compressed fluid, a double acting fluid actuator for each airfoil having a pressure responsive member movable in either direction from a neutral position and operatively connected with the corresponding airfoil, preloaded springs associated with each actuator for normally maintaining the pressure responsive member thereof and the corresponding airfoil in neutral position with a predetermined force, a pilot's control element, and a pair of control valves connected with said source operable by said element for controlling the pressure of fluid in said actuators substantially in accordance with the degree of movement of said element, each of said control valves including a valve operating member responsive to the pressure delivered to the actuators, a resilient connection between each of said last named pressure responsive members and element, and means for preventing flexing of said resilient connections on movement of said element from neutral position to operate the valves except when the pressure delivered to said actuators and acting on said valve operating members is substantially equal to that necessary to overcome the force exerted by said preloaded springs for maintaining the first named pressure responsive members in neutral position.

2,419,444
LIGHT SIGNAL FOR RAILROADS

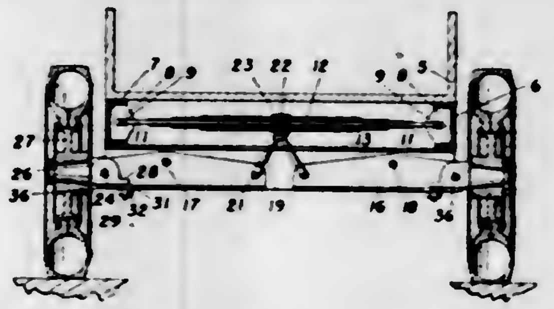
Oscar S. Field, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Original application October 14, 1940, Serial No. 361,060. Divided and this application August 21, 1944, Serial No. 550,383
18 Claims. (Cl. 177—329)

1. In a light signal of the search light type, an outer casing, an inner mechanism casing receivable in the outer casing, a lens in the outer casing, a lens in the inner casing, means for slidably supporting the inner casing in the outer casing so that the optical axes of the lenses coincide, and adjusting means for limiting the inward sliding movement of said inner casing to provide a predetermined distance measured along their optical axes between the two lenses.



2,419,445
FOLDING VEHICLE WHEEL

George W. Fletcher, San Francisco, Calif.
Application February 11, 1946, Serial No. 646,757
4 Claims. (Cl. 280—124)

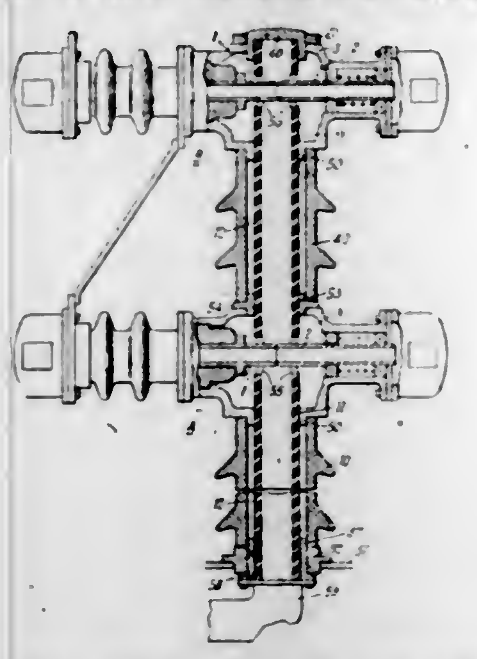


1. A wheel mounting comprising an inverted U-shaped channel-bar secured to a vehicle body, a pair of U-shaped axle members pivotally secured to said inverted channel bar at a point near its ends, the adjacent ends of said U-shaped axle member, being resiliently supported, and a pivoted stub axle secured to the outer ends of each of said U-shaped axle members, each stub-axle forming a wheel support.

2,419,446
ELECTRIC CIRCUIT BREAKER

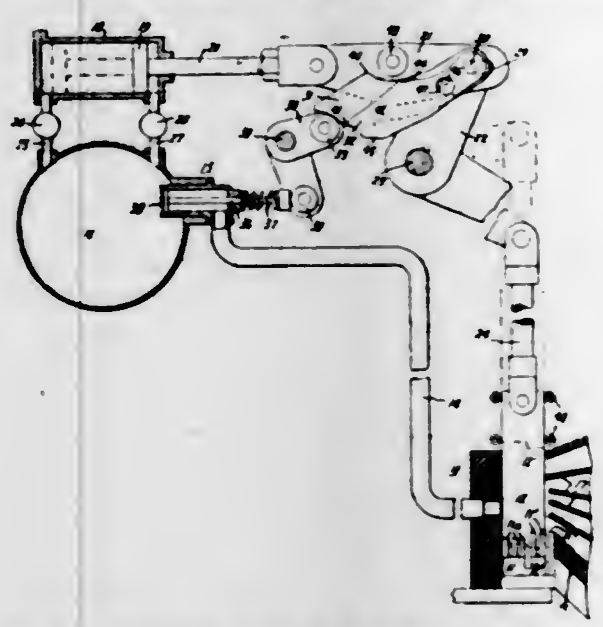
Cedric Harold Flurscheim, Bowdon, England, assignor to Metropolitan-Vickers Electrical Company Limited, a British company
Application July 18, 1944, Serial No. 545,440
In Great Britain July 28, 1943
9 Claims. (Cl. 200—148)

1. An electric circuit breaker of the gas blast type comprising an arcing chamber formed of metal, a plurality of relatively movable contacts associated with said chamber and arranged to draw an arc in said chamber upon relative separation thereof, hollow insulating structure for supporting said arcing chamber, means for supplying gas under pressure to said chamber for arc extinguishing purposes through said hollow insulating structure, said metallic arcing chamber comprising a hollow body portion within which said contacts separate, an apertured base portion for said body adapted for mounting upon said hollow insulating structure, a first sleeve branching laterally outward from said body in one direction, a second sleeve branching laterally outward from said body in another direction, means disposed in said first sleeve for supporting one of said contacts insulatingly with respect to said metallic arcing chamber, means cooperating with said second sleeve for supporting therein another of said contacts conductingly with respect to said metallic arcing chamber, and a discharge opening from said chamber for exhausting the gaseous products of said arc.



2,419,447
ELECTRIC CIRCUIT INTERRUPTER

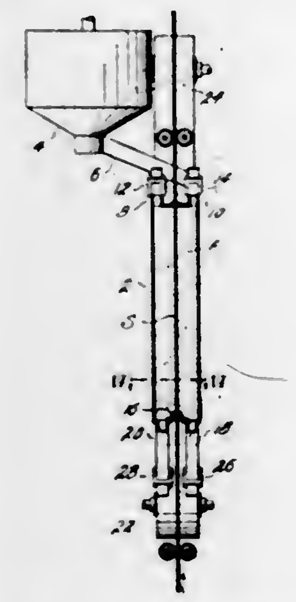
John D. Gayer and Edward J. Frank, Springfield, and Alexander C. Boisseau, Lansdowne, Pa., assignors to General Electric Company, a corporation of New York
Application February 26, 1943, Serial No. 477,247
8 Claims. (Cl. 200—148)



1. In an electric circuit breaker of the fluid blast type comprising means defining an arc chamber, relatively movable contacts separable to draw an arc in said chamber, a source of fluid under pressure for supplying a fluid blast to said arc chamber, valve means for controlling the flow of fluid from said source to said arc chamber, means for producing relative movement between said contacts including a reciprocally mounted link provided with means for permitting limited movement of said link without relative movement of said contacts, a pair of pivotally mounted cams adapted to engage said valve means, and means on said link for selecting the cam to engage and open said valve means in response to limited movement of said link to provide independently controllable fluid blasts during both the opening and closing strokes of said circuit breaker.

2,419,448
SCOURING APPARATUS

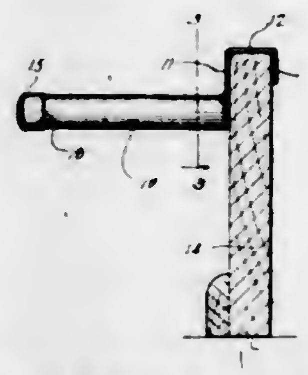
Henry S. Gordon, Gary, Ind., assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
Application March 29, 1946, Serial No. 658,045
9 Claims. (Cl. 51—18)



9. Apparatus for continuously scouring metallic strip or the like which comprises an abrasive tank, means for pulling the strip through the tank, a pair of conduits for delivering abrasive to that end of the tank adjacent the pulling means, a conduit on each side of the strip leading from that end of the tank opposite the first pair of conduits, and means for delivering the abrasive from the second named conduits to the first named conduits.

2,419,449
DOOR STOP

William Hilton, Seattle, Wash.
Application December 1, 1945, Serial No. 632,234
1 Claim. (Cl. 16—86)

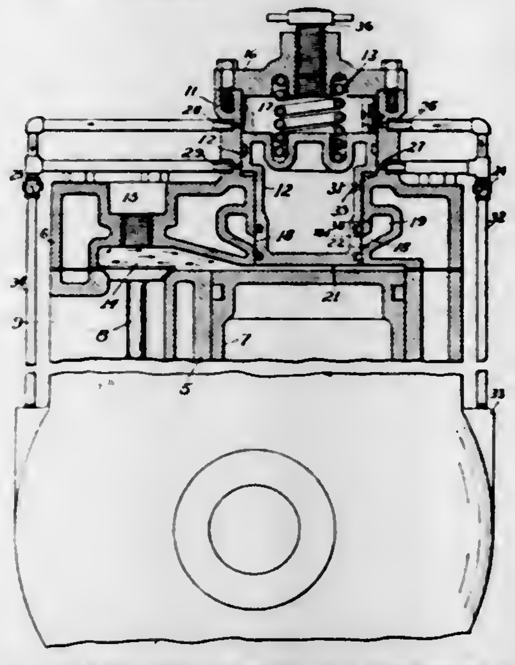


A door stop of the character described comprising a single piece of sheet metal having a portion thereof rolled into cylindrical tubular form to form a stop post, and having a part integral with the inner end of the tube bent to form a hook; said hook being adapted to be fitted over the top edge of a base board to mount the stop post perpendicular to the face of the board, and a cushioning plug applied to the outer end of the tubular portion.

2,419,450

INTERNAL-COMBUSTION MOTOR

George E. Howard, Butler, Pa.
Application February 21, 1945, Serial No. 579,087
11 Claims. (Cl. 123—78)

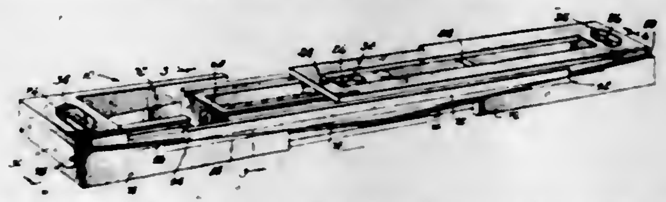


1. The combination with an internal combustion engine having a piston and cylinder and provided with a crank case containing lubricating oil, of an auxiliary cylinder communicating with the engine cylinder, a piston movable therein, means operable through reciprocatory movements of the second-named piston, for drawing oil vapors from the crank case and directing them through the auxiliary cylinder at points where its wall and its piston will be lubricated thereby.

2,419,451

ADJUSTABLE SPIRIT LEVEL

Edward A. Keller, Aurora, Ill.
Application October 5, 1944, Serial No. 557,254
7 Claims. (Cl. 33—208)



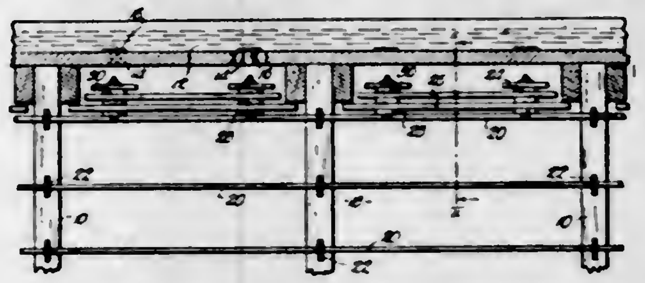
2. An expansible spirit level comprising in combination means permitting expansion and contraction thereof and means for maintaining at least one continuous straight edge thereon during expansion and contraction extending substantially the full length of the spirit level including at least two cooperating wedge members, said means permitting expansion including portions of said spirit level movable with respect to each other, one of which carries one of said wedge members and the other of which carries another, at least one of said wedge members also being supported for shifting to maintain engagement continuously with said other wedge member during expansion and contraction.

2,419,452

DISTRIBUTION DECK FOR COOLING TOWERS

Eugene R. Ketchum, Kansas City, Mo., assignor to The Marley Company, Inc., Kansas City, Kans., a corporation of Kansas
Application March 4, 1944, Serial No. 525,007
2 Claims. (Cl. 261—108)

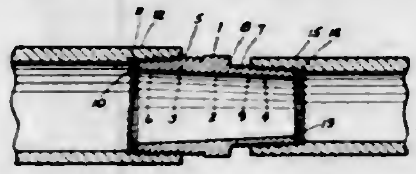
1. In a cooling tower of the kind described, an elevated basin having liquid escape openings through the bottom thereof to permit liquid to fall by gravity from the basin; a splash deck comprising a plurality of vertically spaced and staggered, horizontal slats arranged as a fill, spaced below the said basin; the improvement which comprises a liquid distribution deck interposed between the said basin and said fill, said distribution deck having a relatively wide splash board in alignment with a number of the openings and immediately therebelow to form drops of liquid from the streams of liquid along the lower side of said splash board, and a plurality of drip strips immediately below the splash board and intersecting the same to convey the falling drops laterally from the splash board to create a number of aligned rows of drops on the lower faces of the drip strips before the liquid falls onto the splash slats, said drip strips being parallel with and above the splash slats of the said fill whereby the drops falling from the distribution deck are broken into spray as they fall onto said splash slats.



2,419,453

REDUCING COUPLING

Anthony Kocevar, Garfield Heights, Ohio
Application June 8, 1945, Serial No. 598,335
2 Claims. (Cl. 285—160)



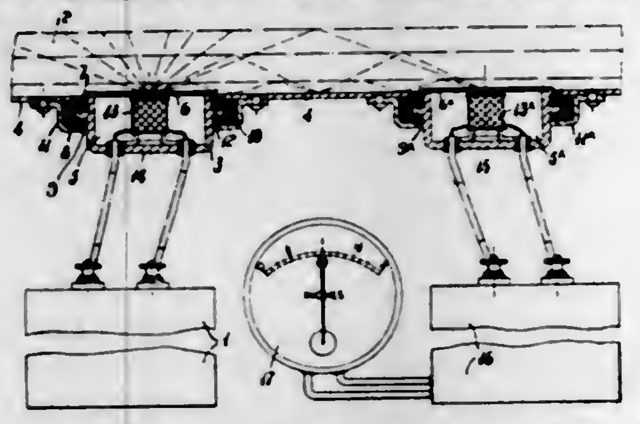
1. A coupling having a central portion, one of the outer edges of which extends inwardly, and two sets of external threads of different diameters, one set of which is tapered inwardly from the outer edge of the central portion toward one end of the coupling and the other set of which is tapered inwardly from the inner edge of the central portion toward the other end of said coupling, and said coupling having an internal bore which gradually decreases in diameter from one end to the other end of said coupling.

2,419,454

APPARATUS FOR DETECTING AND INDICATING AND/OR MEASURING ICE FORMATION ON VEHICLES

Camille Clare Sprankling Le Clair, Acton, London, England
Application December 17, 1943, Serial No. 514,635
In Great Britain January 26, 1943
14 Claims. (Cl. 244—134)

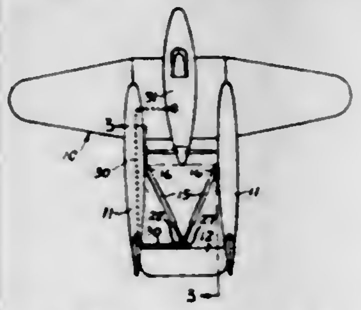
1. In apparatus for indicating the presence of or measuring the thickness of an ice film on a surface, the combination, comprising, a directional sound wave emitting means mounted adjacent said surface and from which sound waves are emitted in a predetermined direction, directional sound wave detecting means also mounted adjacent to the surface in laterally displaced relationship from said emitting means, the directional characteristics and laterally displaced relationship of the emitting means and detecting means being such that the strength of sound waves from said emitting means and detected by the detecting means is a function of the thickness of an ice film on said surface.



2,419,455

AIRPLANE ARRESTING HOOK

John G. Lee, Farmington, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application October 21, 1941, Serial No. 415,974
4 Claims. (Cl. 244—110)

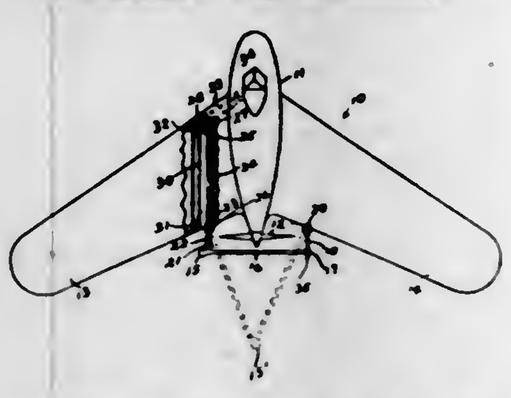


1. An airplane arresting hook comprising a V member, said V member including a pair of arms universally pivoted to the airplane at their spaced apart ends and provided with hook means at their apex end, and a control means cooperating with the apex ends of said arms holding said V member in the plane of the airplane and operable to release said apex end hook means to arresting position, said arms each including a contractible telescopic portion permitting the arm to shorten to change the angle of the V, said telescopic portion including means to normally bias said arms to their maximum length when in initial arresting position.

2,419,456

TAILLESS AIRPLANE ARRESTING HOOK

John G. Lee, Farmington, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application May 4, 1943, Serial No. 485,668
8 Claims. (Cl. 244—110)

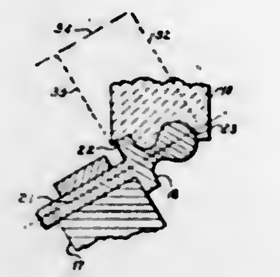


1. An arresting hook for a tailless airplane comprising a jointed arm hinged adjacent the rear edge of one wing and a second arm, one end of which is hinged to the other end of the jointed arm and the other end of which is lined to a control means extending through the other wing of the tailless airplane for extending and retracting said second arm from said wing, and an arresting hook element on one of said arms adjacent the pivot between such arms.

2,419,457

METHOD OF GRINDING CONTOURS

Raymond A. Mahlmeister, Dayton, Ohio, assignor to The Sheffield Corporation, Dayton, Ohio, a corporation of Ohio
Application September 22, 1944, Serial No. 555,262
6 Claims. (Cl. 51—281)



1. The method of shaping the end portion of an elongated workpiece to provide a ground surface of a desired irregular form including ridges and valleys, and in which the area thus ground is generally at a large angle to the axis of said piece, which comprises locating said piece with respect to a grinding wheel so that the axis of the piece is at a large angle to the axis of the grinding wheel, forming the peripheral surface of the grinding wheel by a crushing roll having ridges and valleys corresponding in shape to the ridges and valleys to be imparted to the piece but with the ridges and valleys of the roll forming an area at a small angle to the axis of the roll as compared to the large angle between the axis of the workpiece and the area ground on the workpiece, the mean diameter of one end of the effective portion of the roll approximating the mean diameter at the other end of the roll to an extent that brings that portion or portions of the roll that are at the greatest angle to the roll axis no closer than several degrees from a line radial to the roll axis, and grinding the workpiece with the grinding wheel while the workpiece is so located.

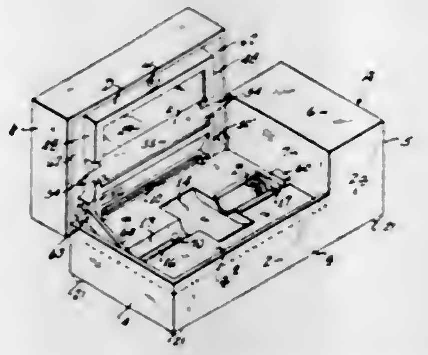
2,419,458

COMBINATION CIGARETTE CONTAINER AND LIGHTER

Richard Mayer, New Rochelle, N. Y., assignor to Universal Match Corporation, St. Louis, Mo., a corporation of Delaware
Original application October 3, 1941, Serial No. 413,466, now Patent No. 2,373,772, dated April 17, 1945. Divided and this application April 3, 1944, Serial No. 529,264
5 Claims. (Cl. 219—32)

2. A cigarette container comprising a box-like container having a hinged lid, an igniter mounted uprightly within the container, said container further being provided with a bottom wall having a longitudinally extending recess sloping downwardly toward the igniter, an upstanding finger actuated by opening movement of the lid engageable with a cigarette disposed in said recess for

shifting the same into endwise engagement with the igniter and a link operably connecting the finger and the lid so that when the lid is opened the finger will push the cigarette.

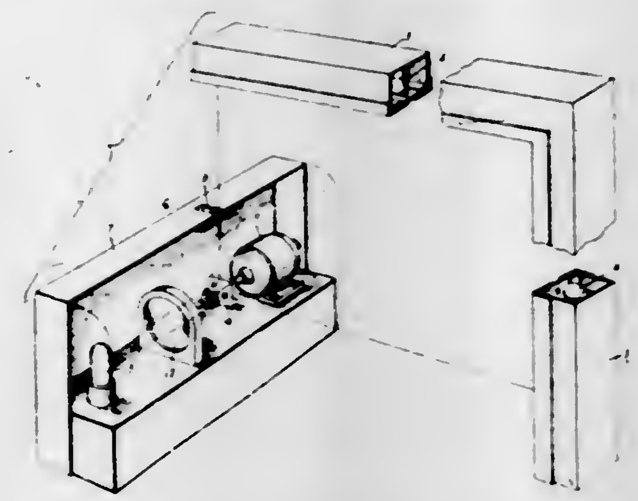


2,419,459

PHOTOELECTRIC DETECTING APPARATUS

Earle B. McDowell, Scotia, and Edward M. Gardiner, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York

Application February 1, 1944, Serial No. 520,618
5 Claims. (Cl. 250—41.5)



1. Apparatus for giving an indication of the presence of an object within an area comprising the combination of radiation-emitting means supported in linearly extended position to project a curtain of radiation across said area, a rotating pyramidal mirror which is operative to scan substantially uninterruptedly successive portions of said curtain and to reflect the light received as an axial beam, a radiation-responsive device positioned in light-receiving relation to said scanning mirror and an electrical mechanism operatively connected to be put into operation upon the occurrence of a shadow in said curtain of radiation.

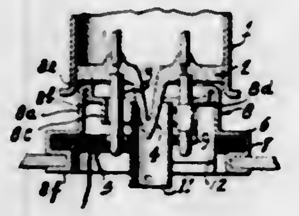
2,419,460

ELECTRICAL SOCKET

Kenneth M. McLaughlin, Summit, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application December 31, 1942, Serial No. 470,735
6 Claims. (Cl. 173—328)

1. An electrical socket for contact members comprising a sheet metal cylinder, an insulating disc extending transversely across one end of the cylinder and secured to the walls thereof, female contactors for said member arranged in a circle and carried by said disc, the other end of the cylinder being formed inwardly into a metal ring spaced from said disc, the inner peripheral portion of said ring being coaxial with and sufficiently larger in diameter than the circle of contactors carried on said disc to produce clearance for said members while maintaining substantial alignment of said members in the circle of said contactors.

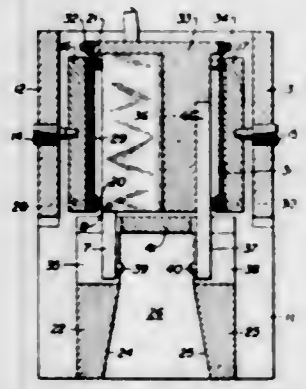


2,419,461

ELECTRONIC GAUGE FOR MEASURING BALL-BEARING INNER RACE GROOVES

Joseph J. Neff, South Euclid, Ohio, assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio, a corporation of Delaware

Application September 15, 1945, Serial No. 616,499
4 Claims. (Cl. 33—148)



4. A precision electronic gauge for measuring and checking the outer groove of an inner ball bearing race comprising a base having a pair of spaced uprights, a frame transversely pivoted thereon, a housing connected to said frame through a pair of leaf springs for permitting limited relative floating movement of said housing with respect to said frame, an electrical displacement pickup unit including coils and an armature carried by said housing, a rigid work engaging member also carried by said housing, a pair of walls and a work platform therebetween on said base, a pivoted stylus arm on said armature having a work engaging stylus point, transverse through slots in said walls for said stylus arms and rigid arms, said walls converging to form a guide for said ball race to be engaged by a point on said stylus arm and maintained hard against a point on said rigid arm as said frame is free to float laterally on said leaf springs and rotatably about said transverse pivots.

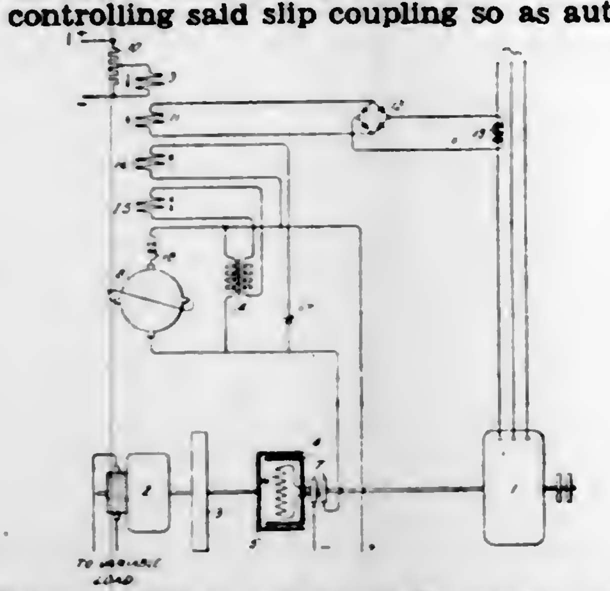
2,419,462

CONTROL SYSTEM

Thomas H. Petch, Jr., and Hugh W. C. Liddiard, Rugby, England, assignors to General Electric Company, a corporation of New York

Application August 17, 1945, Serial No. 611,188
In Great Britain November 16, 1944
8 Claims. (Cl. 172—284)

1. In combination, a dynamo-electric generator, a flywheel rigidly coupled to the generator shaft, a dynamo-electric motor, an electrically controlled mechanical slip coupling between the generator and motor device, and means responsive to the electric power delivered to said motor for controlling said slip coupling so as automatically to maintain substantially constant motor power with wide variations in generator load.

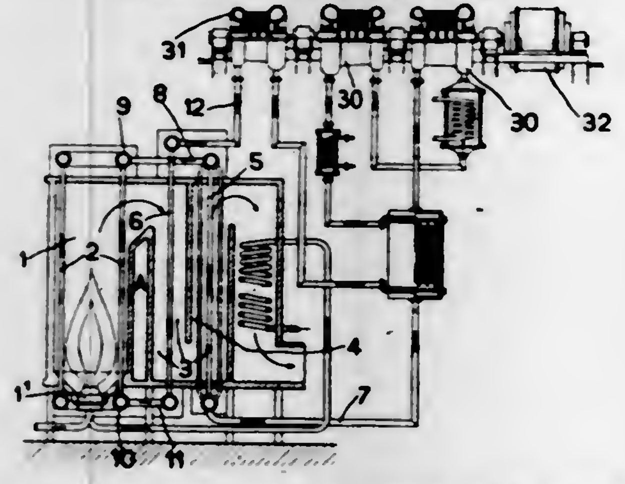


2,419,463

FURNACE HAVING SEQUENTIALLY ARRANGED GAS HEATING TUBES

Rudolf Ruegg, Zurich, Switzerland, assignor to Aktiengesellschaft Fuer Technische Studien, Zurich, Switzerland, a corporation of Switzerland

Application March 31, 1944, Serial No. 528,982
In Switzerland May 19, 1943
4 Claims. (Cl. 126—109)



1. A heater for heating gases which are already at relatively high temperatures, comprising in combination, means forming a combustion chamber; a tubular main heat exchanger in said chamber; combustion means in said chamber; a conduit for conducting products of combustion from said chamber to a point of discharge; primary and secondary surface heat exchangers so arranged in said conduit that flowing products of combustion contact at least the major portion of the primary exchanger after contacting at least the major portion of the secondary exchanger; and connections for passing gases to be heated first through the primary exchanger, thereafter through the main exchanger and finally through the secondary exchanger.

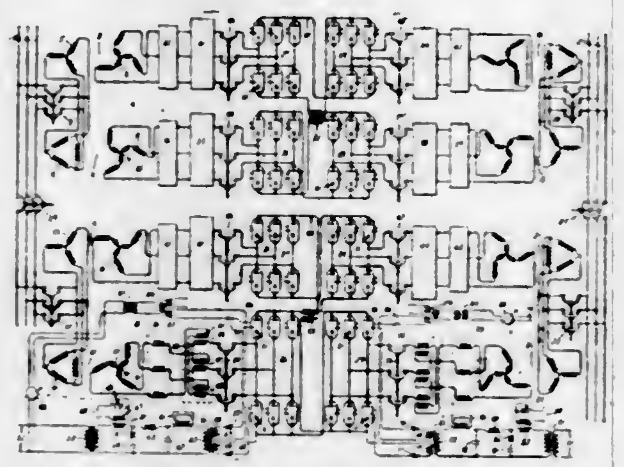
2,419,464

ELECTRONIC POWER CONVERSION APPARATUS

August Schmidt, Jr., Niskayuna, N. Y., assignor to General Electric Company, a corporation of New York

Application June 12, 1944, Serial No. 539,939
9 Claims. (Cl. 171—97)

7. In combination, a pair of three phase alternating current circuits, two units of a plurality of electronic tube groups, means for connecting one half of said plurality of tube groups of one of said units as full wave rectifiers for twelve phase operation and including transforming means connected to said rectifier tube groups and having delta and Y connected primary windings connected to one of said alternating current circuits and a pair of secondary windings zigzagged for a leading phase displacement of seven and one-half degrees, means for connecting the remaining half of said plurality of tube groups of the said one of said units as full wave inverters for twelve phase operation and including transforming means connected to said rectifier tube groups and having delta and Y connected primary windings connected to the other of said alternating current circuits and a pair of secondary windings zigzagged for a leading phase displacement of seven and one-half degrees, means for connecting one half of said plurality of tube groups of the other of said units as full wave rectifiers for twelve phase operation and including transforming means connected to said second mentioned rectifier groups and having delta and Y connected primary windings connected to said one of said alternating current circuits and a pair of secondary windings zigzagged for a lagging phase displacement of seven and one-half degrees, means for connecting the remaining half of said plurality of tube groups of the other of said units as full wave inverters for twelve phase operation and including transforming means connected to said second mentioned inverter groups and having delta and Y connected primary windings connected to the other of said alternating current circuits and a pair of secondary windings zigzagged for a lagging phase displacement of seven and one-half degrees, means including a direct current loop circuit associated with each of said units for connecting the respective rectifiers and inverters of each unit alternately in a series circuit arrangement, and means for selectively connecting and disconnecting said units for operation separately as a twelve phase system or jointly as a twenty-four phase system.



2,419,465

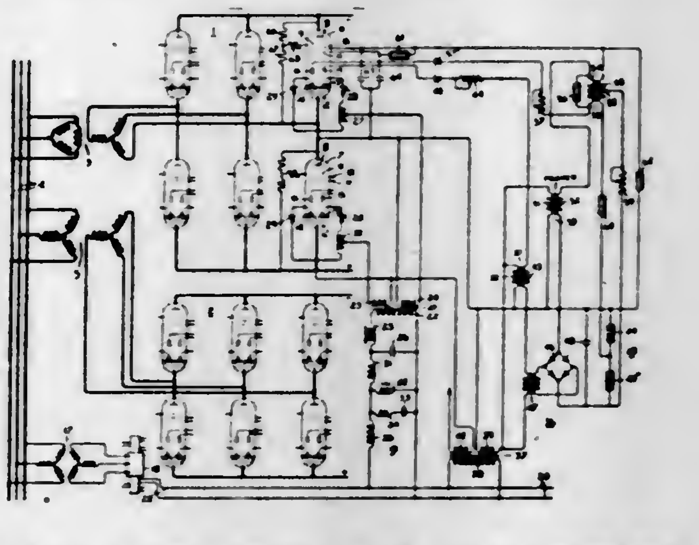
ELECTRIC VALVE CIRCUITS

Burnice D. Bedford, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application June 12, 1944, Serial No. 539,941
12 Claims. (Cl. 315—262)

1. In combination, an electric discharge device of the type employing an ionizable medium and

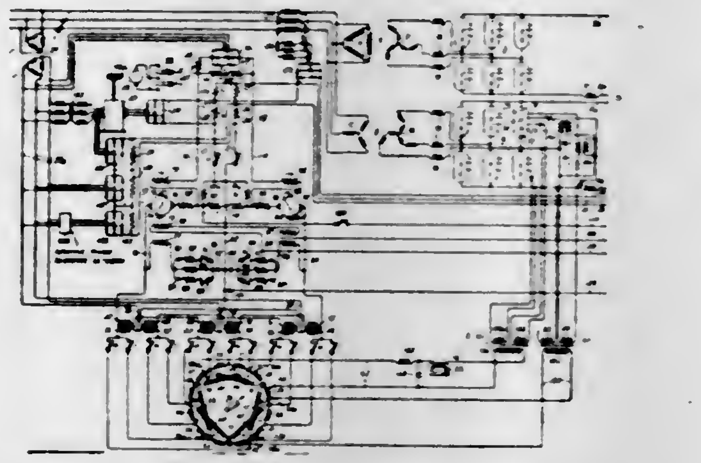
comprising an anode, a cathode and a control electrode, means for initiating electron emission at said cathode, an excitation circuit for said control electrode, a source of excitation voltage, means for establishing a path for electron emission from said cathode, and means including said path of electron emission from said cathode for impressing said source of voltage upon said excitation circuit for determining the instant of conduction between said anode and cathode.



2,419,466
ELECTRONIC CONVERTER

Clodius H. Willis, Princeton, N. J., assignor to General Electric Company, a corporation of New York

Application June 12, 1944, Serial No. 539,842
31 Claims. (Cl. 171—97)

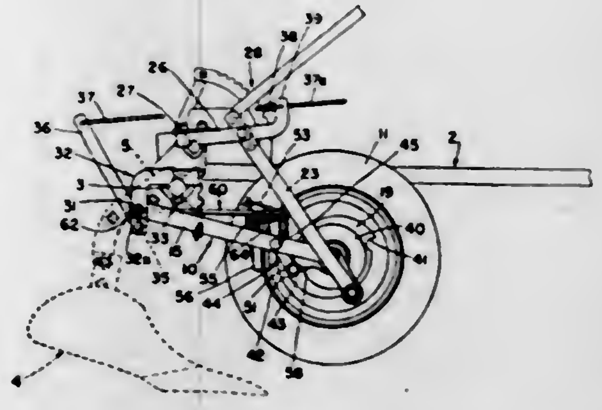


27. In an electronic power conversion system, a first alternating current circuit, a second alternating current circuit, a first electronic converter for operation as a rectifier or inverter connected to said first alternating current circuit and comprising a plurality of electronic tubes each having an anode, a cathode and a control electrode, a second electronic converter for operation as a rectifier or inverter connected to said second alternating current circuit and comprising a plurality of electronic tubes each having an anode, a cathode and a control electrode, a direct current circuit interconnecting the direct current terminals of said converters, a first phase shift network connected to be energized from said first alternating current circuit and being provided with output circuits connected to energize the control electrode circuits of said first converter, means including a first dynamo-electric machine having two control windings for controlling the phase relation between the input and output circuits of said phase shift network, means responsive to the current input to said first converter when operating as a rectifier for controlling one of said control windings to shift the phase relation of the output circuit of said phase shift network from a retarded phase to an in-phase relation or vice versa, a second phase shift network connected to be energized from said second alternating current circuit and being provided with output circuits connected to energize the control electrode circuits of said second converter, means including a second dynamo-electric machine having two control windings for controlling the phase relation between the input and output circuits of said second phase shift network, means responsive to the current input to said second converter when operating as a rectifier for controlling one of the control windings of said second dynamo-electric machine to shift the phase relation of the output circuit of said second phase shift network from a retarded phase to an in-phase relation or vice versa, means including a unidirectional conducting circuit responsive to the current of said first dynamo-electric machine above a predetermined value when controlling said first converter as a rectifier for energizing the other control winding of said second dynamo-electric machine to effect a further advance in the phase relation of the output voltages of said second phase shift circuit of said second converter when operating as an inverter, and means including a unidirectional conducting circuit responsive to the current of said second dynamo-electric machine above a predetermined value when controlling said second converter as a rectifier for energizing the other control winding of said first dynamo-electric machine to effect a further advance in the phase relation of the output voltages of said first phase shift of said first converter when operating as an inverter.

2,419,467
CLUTCH MECHANISM

Walter H. Silver, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois

Application October 26, 1942, Serial No. 463,441
13 Claims. (Cl. 97—73)

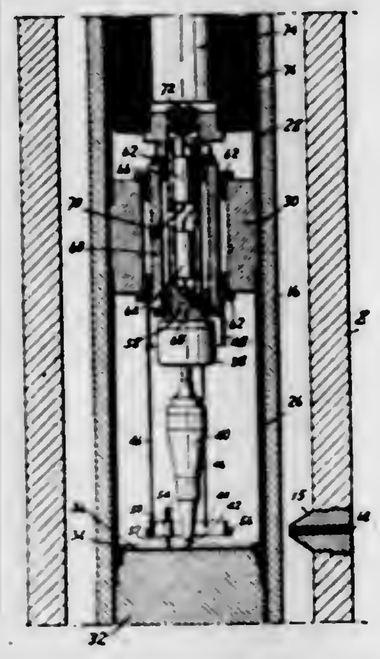


5. An agricultural implement comprising a swingable crank axle, a wheel thereon, a wheel driven self-interrupting clutch unit including driving and driven members and mechanism releasably connecting said members, a part pivoted on said crank axle normally biased for movement into a position disconnecting said driving and driven members, means including a pair of toggle links connected with said pivoted part, means acting to transmit force through said toggle links, when in extended position, for moving said pivoted part into a position providing for the connection of said driving and driven members, and means responsive to the movement of said driven member for breaking said toggle and permitting said pivoted part to move into a position disconnecting said driving and driven members.

2,419,468
APPARATUS FOR ORIENTING DRILL STEMS

George A. Smith, Philadelphia, Pa., assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa., a corporation of Delaware

Application October 8, 1941, Serial No. 414,160
16 Claims. (Cl. 255—1.6)

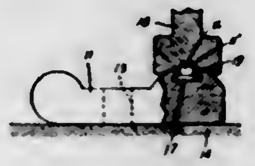


1. In combination, a hollow drill stem; a tool carried by the drill stem; an instrument arranged to pass through the drill stem and arranged to occupy a predetermined final longitudinal position therein adjacent the tool, said instrument containing means for indicating a known azimuthal reference direction, a pendulum subject to attraction by a magnet, and means for recording the indications of said pendulum and said azimuth indicating means; and a magnet carried by the drill stem in the immediate vicinity of said pendulum when the instrument is in said final position whereby said magnet will deflect said pendulum from a vertical position to give an indication of the position of the drill stem relative to the instrument.

2,419,469
MANUFACTURING METHOD FOR ELECTRICAL CONTACTS

Benjamin E. Spiro, Philadelphia, Pa., assignor to General Electric Company, a corporation of New York

Application April 24, 1943, Serial No. 484,361
3 Claims. (Cl. 29—155.55)



1. The method of producing a contact surface from a material whose oxide does not substantially interfere with current conduction on a switching member which comprises, forming a circular recess in said member, plating said member with silver, placing a button having an integral enlargement at one end into said recess with said enlargement at the bottom of said recess and with the other end of said button substantially flush with the edges of said circular recess, and bonding said button to said member by clinching the edges of said recess over said enlargement by a cold upsetting operation so that said other end of said button forms the contacting portion of said contact surface.

2,419,470
PROCESS OF PREPARING AMINES AND NITRILES FROM OLEFINS AND AMMONIA

John W. Teter, Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine

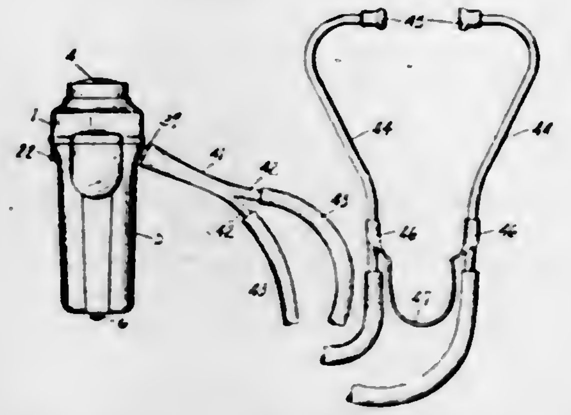
Application October 12, 1944. Serial No. 558,484
2 Claims. (Cl. 260—464)

1. In a process for producing nitriles and amines by the direct reaction of ammonia with olefins in the presence of a catalyst comprising reduced cobalt oxide which selectively favors the amination reaction, the improvement which includes passing a feed stream containing ammonia and olefin, with the ammonia present in large excess, through a first bed of said catalyst under reaction conditions including an elevated temperature and a pressure approximating 1000–3000 pounds per square inch for a substantial period, stopping the supply of reactants to said first bed of catalyst by diverting the feed stream to pass through a second bed of said catalyst, reactivating the catalyst in said first bed by passing hydrogen therethrough at an elevated temperature, stopping the supply of feed to said second bed by diverting the feed stream to the first bed, reactivating the catalyst in said second bed by passing hydrogen therethrough at an elevated temperature, and purging each catalyst bed with ammonia after each reactivation and before the feed stream is again passed therethrough.

2,419,471
AMPLIFIED STETHOSCOPE

Merle F. Thibos, Niles, Mich.

Application October 28, 1944, Serial No. 560,762
11 Claims. (Cl. 181—24)



1. In an amplified stethoscope, a housing having a microphone, an amplifier adapted for volume control, a sound reproducer, and batteries disposed therein, said housing being of elongated formation, said microphone being fixedly mounted in one end of the housing to permit placing the same against the patient's body, the opposite end of said housing constituting a handle to be grasped by a hand of the operator, manually operable means engageable exteriorly of said housing for controlling said amplifier, ear pieces, and sound conveying tubes for connecting said

sound reproducer to said ear pieces, said microphone and said means for controlling the amplifier both being positioned relative to said housing to permit the operator's hand which grasps the housing to simultaneously hold the microphone against the patient's body and operate the means for controlling the amplifier.

2,419,472
ELECTRIC INSULATING COMPOSITION

Ludwig E. Thiess, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

No Drawing. Application December 7, 1942, Serial No. 468,123

4 Claims. (Cl. 106—46)

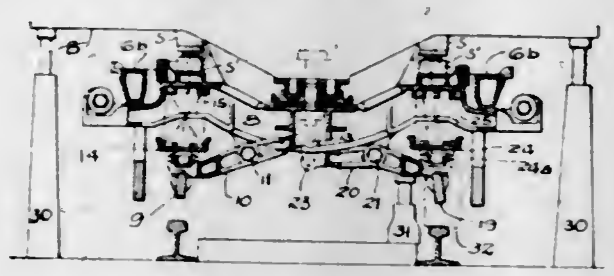
1. Electric insulators made by firing at about 1250 to 1300° C. a mixture of about 75 to 90 per cent talc, about 3 to 20 per cent of a glass consisting essentially of calcium-magnesium borosilicate, and about 3 to 15 per cent aluminum silicate, said insulators being characterized by a power factor of less than one-tenth per cent in an electric field of radio frequency, and a flexural strength of approximately 20,000 pounds per square inch.

2,419,473
RAILWAY TRUCK STRUCTURE AND METHOD OF ASSEMBLING AND DISASSEMBLING THE SAME

James C. Travilla, Jr., Swarthmore, Pa., assignor to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware

Application April 26, 1944, Serial No. 532,710

12 Claims. (Cl. 105—190)



3. In a railway truck including a bolster having supporting spring units at its ends, stabilizing levers arranged end to end adjacent to and extending lengthwise of the bolster and interconnected at their adjacent ends and each fulcrumed between its ends on the bolster, the outer end of each lever being forked, a seat for one of said spring units mounted on the forked end of each lever and including a portion vertically aligned with the spring unit axis and accessible through the forked end of the lever for direct application to the seat of a spring compressing device.

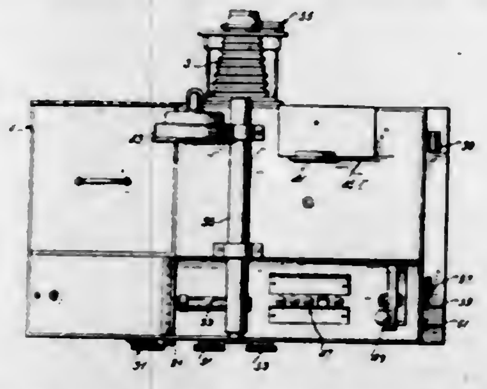
2,419,474
APPARATUS FOR TAKING PHOTOGRAPHS

Fred Byron Wilcox, Olympia, Wash.

Application August 3, 1942, Serial No. 453,432

2 Claims. (Cl. 95—11)

1. A photographic camera comprising a lens, a member having a narrow elongated exposure aperture therein in optical alignment with the lens, means for selectively attaching thereto either a wide film guide or a narrow film guide for guiding film along said apertured member, perpendicular to said aperture and on the side opposite from the lens to receive light through the lens and the aperture, light-responsive means disposed alongside the exposure aperture at a point opposite the place where the relatively narrow film will pass behind the aperture and in such a position as to receive light directly from the lens, additional light-responsive means disposed alongside said exposure aperture at a point opposite a place where a part of the relatively wide film will pass behind the exposure aperture but where the relatively narrow film will not, and also in a position to receive light directly from the lens, and means for selectively reading the response of the first light-responsive means or the combined response of the first and second light-responsive means.

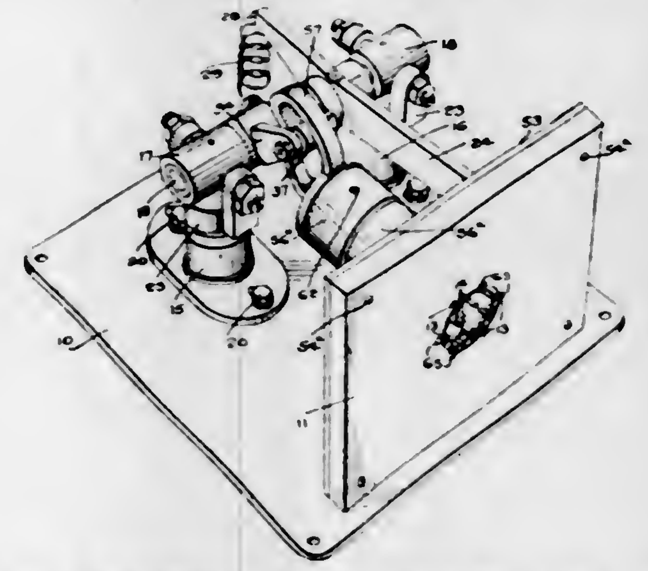


2,419,475
SEALING MACHINE

Courtland H. Barr, Glenolden, Pa., assignor, by mesne assignments, to Essdee Patents, Inc., a corporation of Maryland

Application June 12, 1942, Serial No. 446,793

7 Claims. (Cl. 226—89)



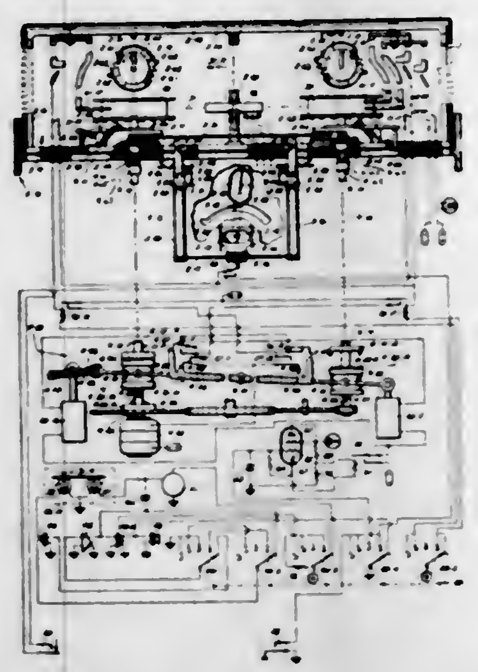
1. An apparatus for turning the skirt of a double seal type stopper about the neck of a container into which the body of said stopper is preliminarily inserted with its skirt extending axially outwardly from the neck of the container, comprising a centrally apertured plate assembly against which the stoppered container is adapted to be firmly held, radially shiftable elements projecting axially forward of the central aperture in said plate assembly for disposition interiorly of the open end of said skirt, means for shifting said elements only radially outward from the axis of said stopper skirt to internally engage the latter and expand it to a predetermined limit, and means projectable through said central aperture of the plate assembly and shiftable relatively to said radially shiftable elements to engage the peripheral edge of the expanded skirt at circumferentially spaced points thereof to reversely turn the same into embracing relation with the outer surface of the neck of the container.

2,419,476
WINDING CONTROL MEANS FOR MAGNETIC RECORDING AND REPRODUCING APPARATUS

Semi Joseph Begun, Cleveland Heights, Ohio, assignor to Magnetone, Inc., Cleveland, Ohio, a corporation of Ohio

Application January 31, 1946, Serial No. 644,600

14 Claims. (Cl. 179—100.2)



1. In a magnetic record transducing apparatus for transducing magnetic records, such as recording or reproducing magnetic signals: a long magnetic record track; magnetic signal transducing means including windings for transducing records by varying magnetic flux interlinking said windings and a moving element of said track; guiding means for guiding and impelling said track past said transducing means including two rotatably mounted reels storing the major part of said track in coiled form so that a driving force imparted to one reel for winding thereon said track will cause the track to rotate the other of said reels while the track is being withdrawn therefrom; drive means actuable to apply driving forces to one of said reels for winding thereon the record track and braking means for applying braking forces tending to stop the rotation of said reels; and control means for selectively controlling the application of said driving forces of said driving means to either one of said reels; said control means including time-action means and being so designed that when it is actuated to remove the driving forces from one reel and to apply the driving forces to the other reel said control means first removes said driving forces from said one reel and cause said one reel to be substantially stopped by the action of said braking forces, and that after a time delay determined by said time action means said control means cause said driving forces to be applied to said other reel after said one reel has been first substantially stopped.

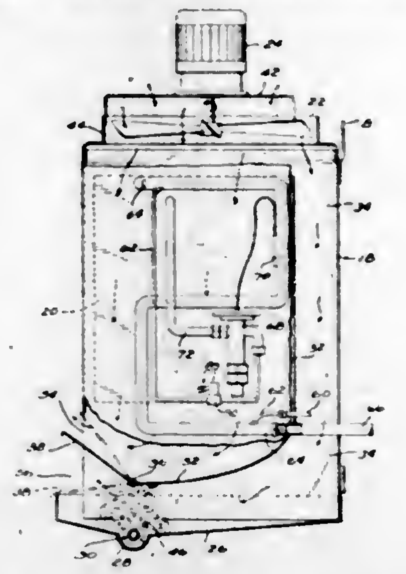
2,419,477
AIR CONDITIONING

Thomas W. Binder, Maplewood, N. J.

Application February 2, 1944, Serial No. 520,762

16 Claims. (Cl. 257—3)

15. In the art of conditioning air in a storage compartment, the steps of, passing a stream of air along a cooling path to cool the air thereby to remove in the form of condensed water a substantial portion of the moisture which it contains, passing a second stream of air along a humidifying path substantially parallel to said cooling path, supplying said condensate water along said humidifying path, supplying heat whereby said water is evaporated with the result that water in vapor form is added to the air in said second stream, and controlling the supplying of heat to evaporate water along said second path in accordance with the relative humidity of the air in the storage compartment.



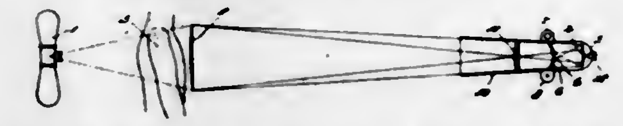
2,419,478
APPARATUS FOR INDIRECT X-RAY PHOTOGRAPHY

Albert Bouwers, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee

Application January 18, 1943, Serial No. 472,785

In the Netherlands October 24, 1940

5 Claims. (Cl. 250—65)



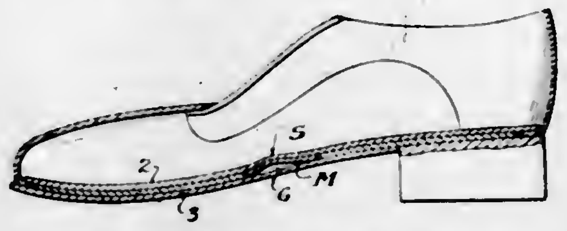
1. Apparatus for indirect X-ray photography comprising a fluorescent screen having spherical shape, a concave mirror having a spherical reflecting surface adapted to form an image of the fluorescent screen, said fluorescent screen and said mirror being so arranged relative to each other that the center of curvature of the screen coincides with the center of curvature of the mirror, and means to support a photographic film member between said screen and said mirror and within the image-forming region of said mirror.

2,419,479
SHOE OF SPECIAL CONSTRUCTION

Ray Dix Bowen, Los Angeles, Calif.

Application January 18, 1945, Serial No. 573,323

1 Claim. (Cl. 12—142)



The method of making orthopedic shoes which comprises uniting the usual upper and an insole on a last, applying over the insole in the metatarsal region a plate deformable under high pressure but not under normal foot pressure, bottoming the shoe by applying the usual outsole materials, removing the last, and subsequently deforming said plate in accordance with the individual requirements of the wearer, by pressure through the sole materials.

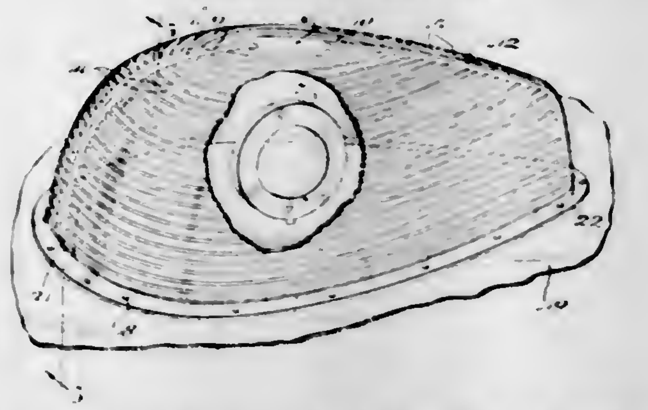
2,419,480

LOOP ANTENNA SHIELD

Robert H. Bryan, Oak Park, and Truman L. Johnston, Wilmette, Ill., assignors to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia

Application May 18, 1944, Serial No. 536,116

7 Claims. (Cl. 250—33)



3. An electrostatic shield for a loop antenna comprising a shell of dielectric material having a streamline shape, a plurality of parallel conductors on said shell, a grounded metal ring secured to said shell, a pair of longitudinal conductors each connected to said ring and located at diametrically opposed ends of said shell, one half of said parallel conductors being connected at one end to one of the longitudinal conductors and the other half of said parallel conductors being connected at one end of the other longitudinal conductor.

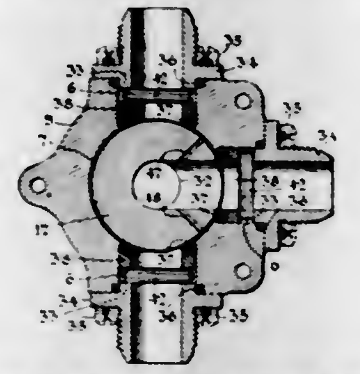
2,419,481

VALVE STRUCTURE

Harry B. Carbon, Cleveland, Ohio, assignor to The Parker Appliance Company, Cleveland, Ohio, a corporation of Ohio

Application June 9, 1944, Serial No. 539,513

10 Claims. (Cl. 251—113)



1. In a valve structure, a casing having at least one port therein, a rotor having a flow passage therethrough and turnable for permitting or preventing flow of fluid through said port and passage, said casing having an annular groove therein surrounding said port, a sealing ring of yieldable material mounted in and extending from said groove in sealing contact with the external surface of said rotor, said groove having its outer wall defined by a port bore in the casing and its bottom and inner wall defined by a ring mounted in said port bore and having an inner diameter approximately the same as the rotor flow passage, and means in said port bore confining the groove against displacement of the sealing ring from the groove into the flow passage of the rotor, thereby to prevent pinching of the sealing ring.

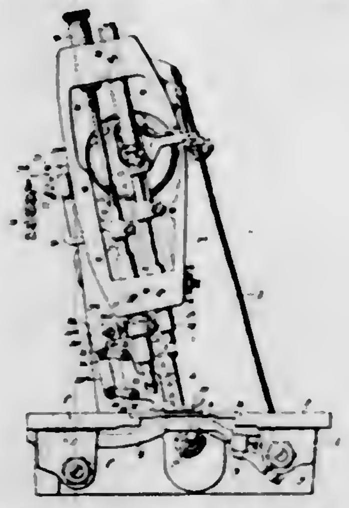
2,419,482

PRESSER DEVICE FOR SEWING MACHINES

Andrew B. Clayton, Elizabeth, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application October 20, 1945, Serial No. 623,585

14 Claims. (Cl. 112—235)



1. In a sewing machine having a frame, a work-support, and an endwise movable presser-bar inclined relative to the work-support; a bracket supported by said frame and having a portion located at one side of the axis of the presser-bar; a pair of links pivotally mounted at one end on said portion of the bracket; a shank member pivotally attached to the other ends of said links and having an operative connection with said presser-bar; and a presser-foot carried by said shank member.

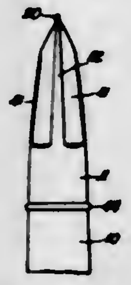
2,419,483

FOUNTAIN PEN

George Douglas Cloutier, Chicago, Ill., assignor to Eversharp, Inc., Chicago, Ill., a corporation of Delaware

Original application January 20, 1944, Serial No. 518,931. Divided and this application June 8, 1945, Serial No. 598,218

4 Claims. (Cl. 120—52)



1. In a fountain pen, a barrel having its forward end portion formed with a forwardly tapering peripheral surface and having an outwardly jutting peripheral wear member disposed rearwardly from said forwardly tapering surface, a cap for housing said forward end portion and including an internal sleeve formed with a resilient part adapted to receive and embrace said forwardly tapering surface with a sliding fit, a resilient gripping member mounted within the cap in rearwardly spaced relation of said sleeve and adapted for gripping cooperation with said wear member, said gripping member being provided with stop portions for cooperation with said wear member to limit movement of the barrel into the cap.

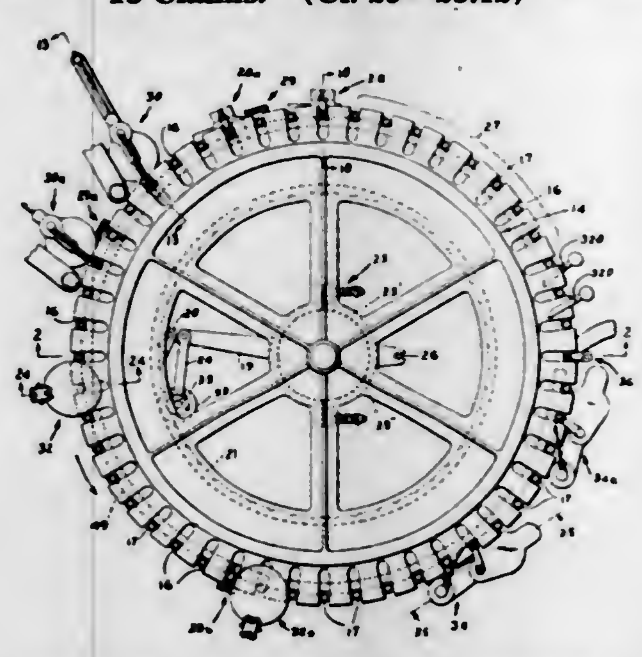
2,419,484

CONDENSER ASSEMBLING MACHINE

Harold I. Danziger, West Orange, N. J.

Application September 28, 1942, Serial No. 460,016

13 Claims. (Cl. 29—25.42)



1. Apparatus for soldering a terminal to an end of a condenser body comprising an open-ended, vertically held, tubular container for holding said body, means to place a terminal adjacent the upper end of said container, a plunger moved into the lower end of said container against said condenser body to raise said body relatively of said container and press the same into contact with said terminal, and means above said container for soldering the terminal to said body as the terminal and body are held in contact with each other.

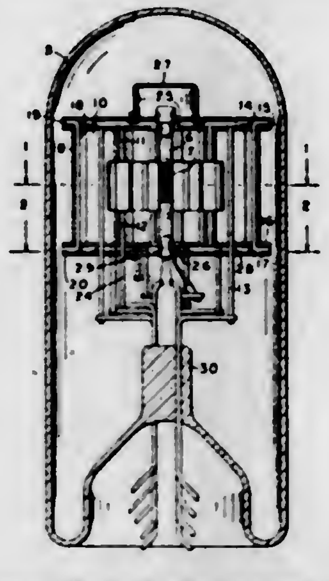
2,419,485

ELECTRONIC DEVICE

Joseph R. Desch, Oakwood, and Robert E. Mumma, Dayton, Ohio, assignors to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland

Application June 3, 1943. Serial No. 489,506

4 Claims. (Cl. 250—27.5)



1. An electron discharge device capable of selective discharge in any of a plurality of discrete discharge paths, said discharge device consisting of a single envelope filled with an ionizable medium and containing a cathode; a cylindrical anode surrounding the cathode and equidistant therefrom at all points; a shielding element surrounding the cathode and having a plurality of radial fins to divide the ionizable medium between the anode and the cathode into a plurality of discrete cathode-anode discharge paths, said shielding element being a conductor of electricity and being capable of use as an electrode; a plurality of rod-like control electrodes, one control electrode being associated with each discharge path to control conduction therein; means to support the cathode within the envelope and upper and lower shielding means of electrically-non-conducting material for supporting the anode, the shielding element, and the control electrodes and cooperating with the shielding element to further define the discharge paths.

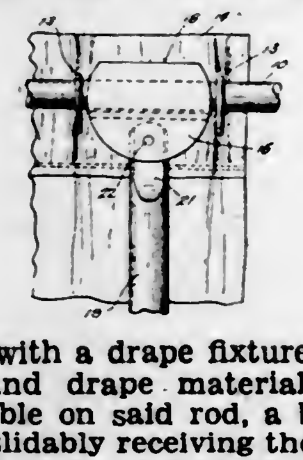
2,419,486

DRAPE FIXTURE

Lewis M. Dixon, Sea Cliff, N. Y.

Application September 18, 1945, Serial No. 617,092

6 Claims. (Cl. 160—341)



3. For use with a drape fixture having a horizontal rod and drape material suspended by hangers slidable on said rod, a block having an aperture for slidably receiving the rod, said block being adapted to be carried by the rod between a pair of adjoining hangers; and an elongate handle secured to the block, for extending from the latter to within reach of a person on the floor whereby the block may be slid along the curtain rod to move the hangers and drape material carried thereby.

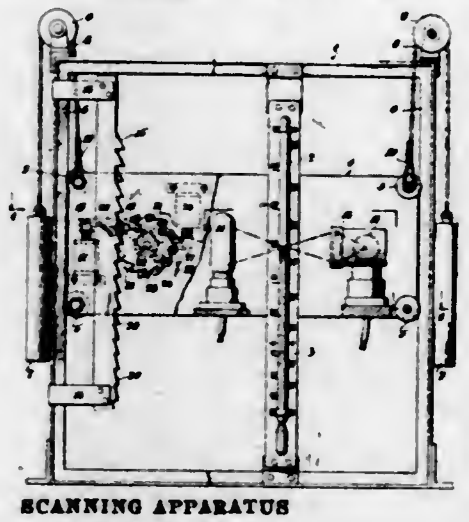
2,419,487

REMOTE-CONTROL METERING SYSTEM

Willis Robert Dresser, Long Hill, Conn., assignor to Kenyon Instrument Co., Inc., Huntington Station, Long Island, N. Y., a corporation of New York

Application February 2, 1944, Serial No. 520,815

12 Claims. (Cl. 177—351)



SCANNING APPARATUS
AT SUB-STATION

1. In a remote control scanning system including a transmission medium for the transmission of signals between a central control station and a remote sub-station, an instrument at said sub-station having a movable element, a carriage including an exciter lamp and a light-responsive cell adapted to move about the field

of said movable element to direct the light rays from said lamp upon said cell when not interrupted by said movable element, means for advancing said carriage in successive measured increments from a predetermined starting position, means at said sub-station for setting said carriage at said starting position upon receipt of an incoming signal, and means at said sub-station responsive to such incoming signal and operative during the energization of said light-responsive cell for advancing said carriage and for impressing signals in step therewith upon said transmission medium for transmission to said central station.

2,419,488
PRODUCTION OF MONOCHLORO DERIVATIVES OF UNSATURATED NITRILES

Harris A. Dutcher, Borger, Tex., assignor to Phillips Petroleum Company, a corporation of Delaware

No Drawing. Application June 5, 1944, Serial No. 538,880

11 Claims. (Cl. 260—464)

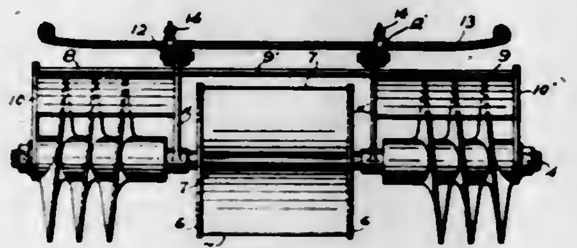
1. A process for the production of a monohalo derivative of an unsaturated nitrile which comprises reacting a mixture of acetylenic hydrocarbon and a cyanogen halide at a temperature in the range from 20° to 400° C.

2,419,489
MOTOR VEHICLE SNOW PLOW

Samuel Eliot, Newton, Mass.

Application August 18, 1944, Serial No. 549,999

6 Claims. (Cl. 37—43)



6. A snow plow attachment for a motor vehicle, comprising two rotary spiral impellers operable by their rotation to force the snow laterally in directions away from each other out of the path of the front wheels of said vehicle, means supporting said impellers for rotation in vertical planes generally parallel to the direction of movement of the vehicle, said means supporting said impellers removably on the forward part of said motor vehicle, and driving means for said impellers comprising a rotary device positioned to engage the snow in the roadway between the impellers and provided with blades extending transversely to the direction of motion of the vehicle and adapted to be revolved by their engagement with the snow as the vehicle moves forward.

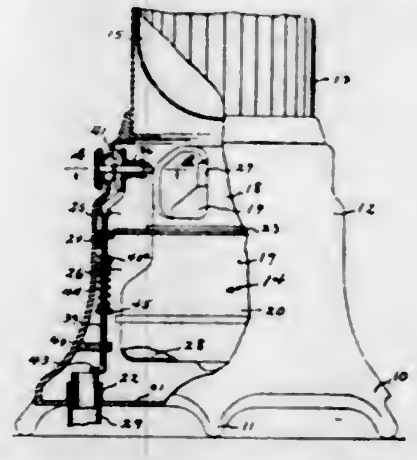
2,419,490
CONVERTIBLE VACUUM CLEANER

Malcolm W. Fraser, Maumee, Ohio, assignor to Air-Way Electric Appliance Corporation, Toledo, Ohio, a corporation of Delaware

Application July 17, 1944, Serial No. 545,232

5 Claims. (Cl. 15—14)

1. In a vacuum cleaner of the type including a dust collecting filter, a suction unit arranged to pull air through said filter, and a housing providing a closed chamber with which the inlet side of said suction unit and the discharge side of said filter communicate, a valve in said housing adapted when in open position to afford communication between said chamber and the outside for by-passing inlet air to said suction unit, means providing an outlet chamber on the discharge side of the suction unit, means leading to the interior of said outlet chamber providing for the attachment of a blower hose, and means responsive to the attachment of a blower hose to said last means for moving said valve to its open position.

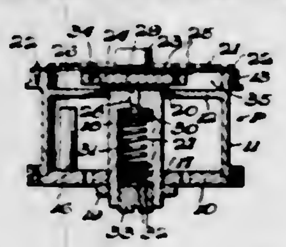


2,419,491
ARMATURE MOUNTING FOR CARBON PILE VOLTAGE REGULATORS

John Gartner, Hasbrouck Heights, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware

Application February 28, 1944, Serial No. 524,236

6 Claims. (Cl. 175—342)



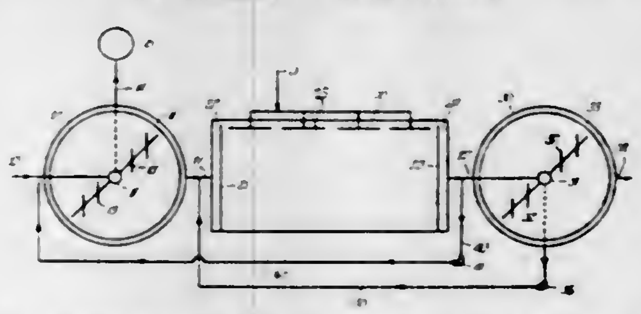
2. In a carbon pile voltage regulator, a magnetic pot including a core, a diaphragm having its outer edge anchored to said pot, an armature carried by said diaphragm, a plunger movably mounted in said core and having a free end engaging said armature, an expansion spring operatively engaging the other end of said plunger, and a thermostatic device associated with said spring for varying the effective force thereof in accordance with temperature changes.

2,419,492
SEWAGE TREATMENT

Walter H. Green, Batavia, Ill., assignor to Infilco Incorporated, Chicago, Ill., a corporation of Delaware

Application July 1, 1943, Serial No. 493,145

20 Claims. (Cl. 210—8)



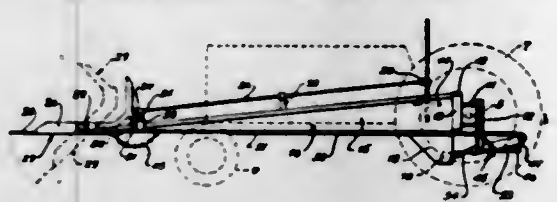
1. A method of sewage treatment by the activated sludge process which comprises passing the incoming sewage through a first clarification step, passing the solids deposited in said first clarification step to waste, passing the clarified effluent through an aeration step, passing a portion of effluent from the aeration step through a second clarification step, returning another portion of effluent from the aeration step, prior to clarification thereof, to the first clarification step, returning deposited sludge from the second clarification step to the aeration step, and discharging clarified liquid from the second clarification step to waste.

2,419,493
FARM LOADER

John Mark Hoff, Idaho Falls, Idaho

Application June 20, 1945, Serial No. 600,431

2 Claims. (Cl. 214—140)



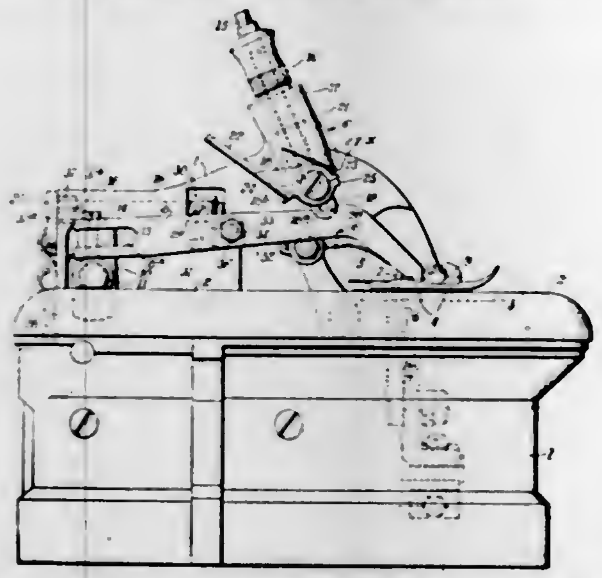
1. A loader comprising a pair of spaced parallel lift arms pivotally connected to the rear axle of a farm tractor and extending forwardly beyond the forward end of said tractor, a dump bucket pivotally supported between the forward ends of the arms in advance of the forward end of the tractor, a latch operable from the rear end of the tractor releasably to hold the bucket in load sustaining position, a bracket projecting downwardly from each lift arm adjacent its rear end, a hoist bar extending between said brackets adjacent their lower ends, and hydraulic means connected to the hoist bar and to the draw bar of the tractor whereby when the hydraulic means is energized, the lift arms will be moved about their pivots.

2,419,494
PRESSER DEVICE FOR SEWING MACHINES

Nicholaus Knaus, Cranford, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application October 12, 1945, Serial No. 621,993

10 Claims. (Cl. 112—235)



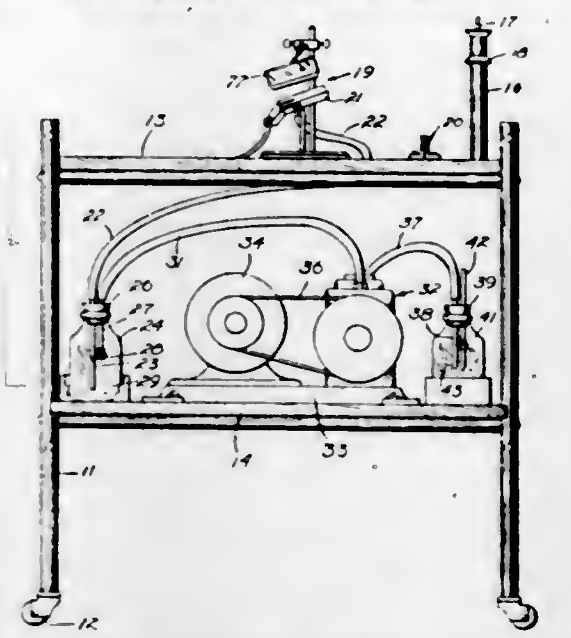
1. In a sewing machine having a horizontally disposed presser-bar pivoted on a horizontal axis, a presser-foot carried by one end of said presser-bar, and a spring depressing the presser-bar and the presser-foot carried thereby; means for lifting the presser-bar in opposition to said spring, comprising a rod journaled adjacent and substantially parallel to the presser-bar, a first arm projecting laterally from said rod and engaging the presser-bar, a second arm secured to said rod and projecting laterally therefrom, and means connected with said second arm for turning the rod about its longitudinal axis to cause the first arm to lift the presser-bar.

2,419,495
NEEDLE THREADER

Emma Emily Lehmann, Rochester, N. Y.

Application October 26, 1945, Serial No. 624,700

4 Claims. (Cl. 223—99)



1. A needle threader comprising, in combination, a support for receiving the needle to be threaded, said support having a bore in alignment with which the eye of the needle is placed, means for creating a sub-atmospheric pressure in said bore to draw a thread through the eye of the needle, said support having an opening communicating with said bore, a light source having connections to an external source of current mounted in said opening and sealed with respect to the margins thereof, and means on the discharge side of the vacuum pump for preventing oil laden air from the vacuum pump from being liberated in the room in which the needle threading is being carried out.

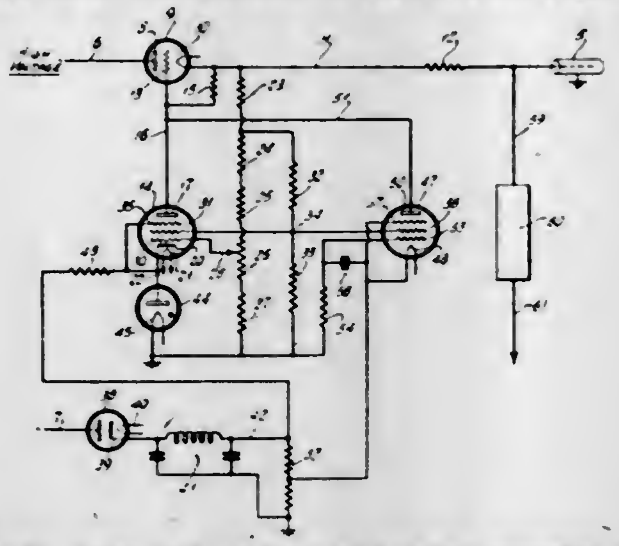
2,419,496
VOLTAGE CONTROL AND STABILIZING CIRCUITS

Arthur H. Lord, Jr., Houston, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

Application April 10, 1945, Serial No. 587,504

11 Claims. (Cl. 171—312)

In a voltage control circuit including an electronic control tube for reducing an applied direct current voltage to a lower controlled voltage, said control tube having a directly heated cathode and a control grid for controlling current flow through said control tube, and an electronic regulator tube for controlling the flow of current in said control tube, said regulator having an indirectly heated cathode, a plate connected to the grid of the control tube and a control grid deriving its impressed controlling bias voltage from the output of said control tube, means for preventing uncontrolled operation of the control tube during inactivity of the regulator tube while heating after current flow has been initiated, said means comprising a second electronic regulator tube having a directly heated cathode, an anode connected to the control grid of the control tube, and a control grid, means for connecting both the cathode and control grid of said second regulator tube to a point of lower potential, whereby said second regulator tube is at zero-bias and current flows therethrough, thereby biasing the control grid of the control tube to reduce the flow of current therethrough, and means for impressing a higher positive potential upon the cathode of said second regulator tube to bias the same and stop current flow therethrough comprising a source of current including an indirectly heated electronic tube in series, whereby the flow of current therethrough to bias said second regulator tube is delayed during the heating period of said electronic tube and the first regulator tube, and the second regulator tube becomes inoperative upon the first regulator tube reaching operative condition.

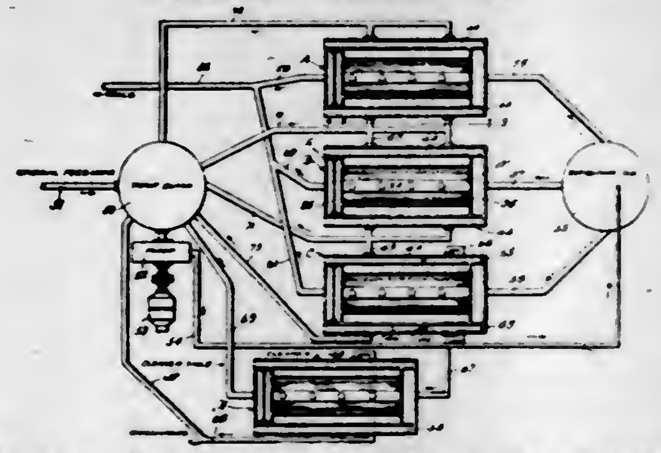


2,419,497
MULTIPLE CELL FLOTATION APPARATUS INCLUDING RECYCLING MEANS

Stephen E. Meyer, Hayden, Ariz.

Application October 30, 1943, Serial No. 508,287

2 Claims. (Cl. 209—168)



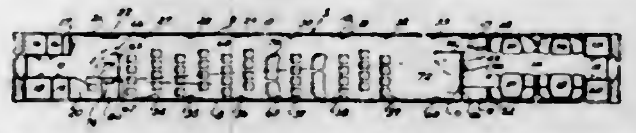
1. In a flotation apparatus of the character described, the combination of a plurality of at least three flotation machines, each having launders and a feed entrance and a tailings exit, a first one of said flotation machines having each of its launders divided into two compartments, a sump, a froth feed head discharging into said sump, a distributing tub, means for pumping the froth from said sump to said distributing tub, means to convey the froth from said tub to the entrances of all but a second one of said flotation machines, means to convey concentrate from the launders of a third one of said machines and from corresponding launder compartments of the first one thereof to said sump, means to convey concentrate from the other launder compartments of the first one of said machines to the feed entrance of the second one of said machines, means to convey tailings from the exit of the second one of said machines to the sump, means to convey the tailings from the exits of the first and third machines away from the apparatus, and means to convey concentrate from the launders of the second machine away from the apparatus.

2,419,498
CONVERTIBLE RAILWAY CAR

Carl E. Newton, Shaker Heights, Ohio, assignor to The Chesapeake and Ohio Railway Company, a corporation of Virginia

Application December 12, 1945, Serial No. 634,425

6 Claims. (Cl. 105—327)



3. A combination dining and theater car having a dining-auditorium space having a center aisle when adapted for dining and being convertible into an auditorium having a side aisle, a projection room at one end of said space, said projection room having an end wall extending from a side wall of the car inwardly to said center aisle, a folding partition hinged to said end wall of said projection room and adapted to extend longitudinally of the car adjacent said projection room when said space is used for dining and to extend transversely of said car to said side aisle when said space is converted into an auditorium, and a folding panel opposite said end wall and extending from the opposite side wall of the car to said center aisle, said panel being foldable to a position wherein it extends along said opposite side wall of the car to permit entry to said side aisle.

2,419,499
SOLVENT EXTRACTION OF UNSATURATED MATERIALS

Johan C. D. Oosterhout and Thomas C. Roddy, Jr., Port Arthur, Tex., assignors to The Texas Company, New York, N. Y., a corporation of Delaware

No Drawing. Application March 1, 1945, Serial No. 580.482

3 Claims. (Cl. 260—677)

1. The method of extracting olefins from an olefinic hydrocarbon mixture which comprises extracting said hydrocarbon mixture containing mono-olefins and di-olefins with furfural at elevated temperatures in the presence of a small amount of a compound having at least one phenylamino group and selected from the group of compounds consisting of N-phenyl substituted thioureas, guanidines and naphthylamines sufficient to inhibit substantial polymer formation, forming a solvent phase containing dissolved olefins and a hydrocarbon phase comprising relatively insoluble hydrocarbons, separating said phases, and removing solvent from the hydrocarbons.

2,419,500
PRODUCTION OF HALOGENATED COMPOUNDS

Walter H. Peterson and Kenneth D. Detling, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application October 27, 1943, Serial No. 508,092

12 Claims. (Cl. 260—658)

12. A process of producing a saturated halide which comprises reacting a saturated halide of

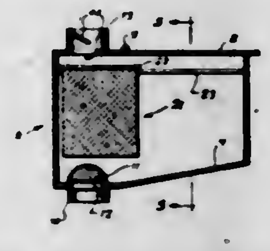
lower molecular weight having a halogen atom attached to a tertiary carbon atom with a monoolefin in the presence of a liquid organic complex of a Friedel-Crafts type metal halide catalyst containing an added amount of said metal halide.

2,419,501
DEBRIS ACCUMULATING AND SEPARATING TRAP FOR DRAIN PIPES

Armie A. Pinto, Highland Park, Mich.

Application January 2, 1945, Serial No. 571,091

2 Claims. (Cl. 210—90)



1. A debris accumulating and separating trap for drain pipes and down spouts comprising a receptacle including bottom, top, end and side walls, said top wall having an opening therein of sufficient size to permit access to be conveniently had to the interior of the receptacle, closure means for normally closing said opening, said top being further provided with means for attaching same in communication with an adjacent branch of the aforementioned down spout, the bottom wall of said box being provided with corresponding means aligned with the first named means and adapted for incorporation in the adjacent portion of said down spout, a strainer in said receptacle for coaction with said second named means, the vertical side walls of said box being provided on interior surfaces with guide and supporting members, an open top debris trapping basket located in said receptacle, said basket being normally in alignment with coacting portions of the down spout and being shiftable to positions out of alignment with said down spout and into alignment with the opening in the top wall to permit said basket to be removed for dumping of accumulated trash and debris, the open top of said basket being provided with means resting shiftably on said guide and supporting members.

2,419,502
MULTIPLYING MACHINE

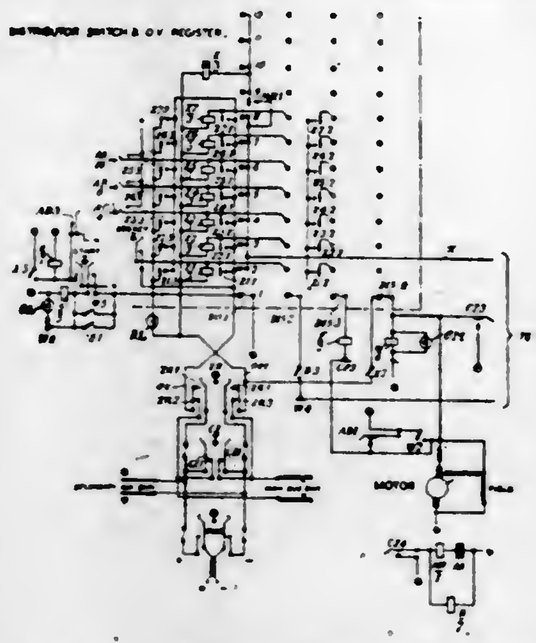
Frank Reginald Saxby, London, England, assignor to The National Cash Register Company, Dayton, Ohio

Application February 16, 1944, Serial No. 522,581

In Great Britain March 2, 1943

34 Claims. (Cl. 235—61)

1. A multiplying machine, comprising means effective upon the entry of a multiplier factor therein for forming in succession the terms of a convergent series obtained by dividing the multiplier by successive ascending powers of two and ignoring fractions in the resultant quotients, said dividing operation commencing with the zero power of two and continuing until a quotient of unity is reached; an odd values register for registering the occurrence of each odd valued term in said convergent series; means operable subsequently and effective upon the entry of a multiplicand factor therein to form in succession the terms of the divergent series obtained by multiplying the multiplicand by the same successive ascending powers of two by which the multiplier was divided; an accumulator and means controlled by the odd values register for entering in an accumulator those terms of the divergent series which are related to the same power of two as the odd valued terms of the convergent series.

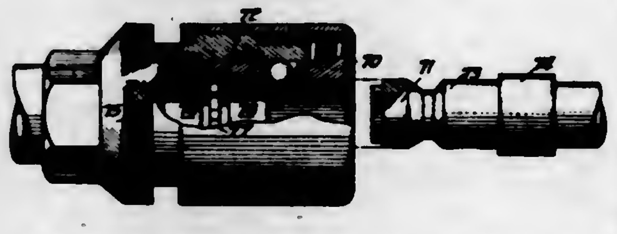


2,419,503
COUPLING

Albert T. Scheiwer, Erie, Pa.

Original application January 20, 1943, Serial No. 473,032. Divided and this application June 13, 1944, Serial No. 540,149

3 Claims. (Cl. 284—19)



1. In a quickly attachable and detachable coupling, in combination, a male member, a female member having a cylindrical internal portion and an internal shoulder, means for connecting said male and female members together, an annular washer disposed adjacent said internal shoulder, a reversible spring-urged plate member having a grooved peripheral portion substantially the internal diameter of the internal portion of said female member, similar apertured cylindrical members each having laterally disposed apertures extending axially from opposite sides of said plate member, one of said cylindrical members being constantly in engagement with the internal portion of said washer, said plate member being urged in sealing relationship with said washer when said male and female members are disconnected, and being movable away from said washer when said cylindrical member in engagement with said washer is engaged by said male member when said male and female members are connected together.

2,419,504
BORON FLUORIDE RECOVERY PROCESS

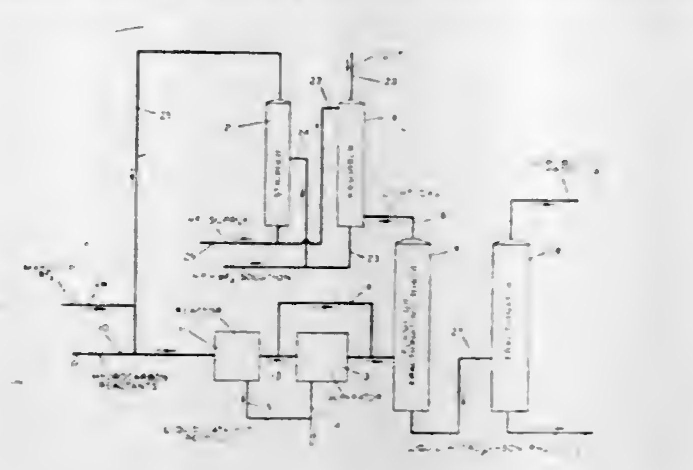
Walter A. Schulze and William Nelson Axe, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware

Application December 7, 1942, Serial No. 468,109

3 Claims. (Cl. 23—205)

1. The process of recovering boron fluoride from normally gaseous hydrocarbon mixtures contain-

ing the same in free form which comprises intimately contacting said mixture in the gaseous state with an absorption medium consisting essentially of liquid anhydrous hydrofluoric acid and thereby effecting selective absorption of said boron fluoride, separating said anhydrous hydrofluoric acid containing said dissolved boron fluoride, and stripping said dissolved boron fluoride from said hydrofluoric acid by heating said absorption medium.



2,419,505

PROCESS FOR PREPARATION OF ACETONE KETALS

Murray Senkus, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland

No Drawing. Application March 17, 1944, Serial No. 527,004

4 Claims. (Cl. 260—338)

1. In a process for the synthesis of cyclic ketals from polyhydric alcohols and acetone, the improvement comprising reacting a polyhydric alcohol selected from the group consisting of unsubstituted, chloro-substituted, and nitro-substituted polyhydric lower alkanols having hydroxyl groups on adjacent carbon atoms, and unsubstituted, chloro-substituted, and nitro-substituted polyhydric lower alkanols having hydroxyl groups on alternate carbon atoms with acetone in the presence of a ketalization catalyst and a compound selected from the group consisting of chloro- and bromo-hydrocarbons having from two to three halogen atoms on the same carbon atom holding a hydrogen atom, and one or more of said halogens on adjacent carbon atoms, and which form a maximum boiling azeotrope with acetone and a minimum boiling azeotrope with water.

2,419,506

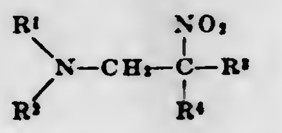
ALKYL AND HYDROXYALKYL NITRO AMINES AND PROCESS FOR PREPARING THEM

Murray Senkus, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland

No Drawing. Application February 26, 1945, Serial No. 579,894

10 Claims. (Cl. 260—584)

7. Nitro amines having the following structural formula



$$\mathrm{(R^1)(R^2)N-CH_2-C(NO_2)(R^4)-R^3}$$

wherein R^1 represents a member selected from the group consisting of hydrogen, alkyl and hydroxyalkyl, R^2 represents a member selected from the group consisting of alkyl and hydroxyalkyl, and R^3 and R^4 represent alkyl radicals.

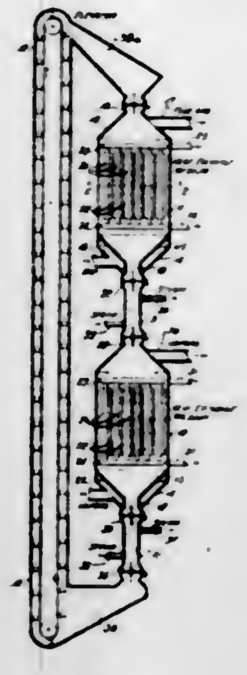
2,419,507

METHOD OF CATALYTIC CONVERSION

Thomas P. Simpson, John W. Payne, and John A. Crowley, Jr., Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

Application October 16, 1940, Serial No. 361,440

20 Claims. (Cl. 196—52)



1. A method of conducting a cyclic operation at closely controlled elevated temperatures comprising a catalytic petroleum conversion reaction wherein moving solid catalyst particles are intimately contacted with a moving stream of petroleum oil to be converted and a regeneration reaction wherein the spent catalyst from said conversion reaction is regenerated by intimately contacting the spent particles with a gaseous regenerating agent while both are moving, which comprises flowing the active catalytic particles through a conversion zone in intimate contact with a moving stream of said petroleum oil under conversion conditions so as to convert the oil and thereby cause catalyst particles to become spent from deposited carbonaceous material, purging said spent particles with an inert gaseous medium to remove some of the carbonaceous material associated therewith, passing said purged, spent particles into a regenerating zone without permitting them to cool to atmospheric temperature, flowing said spent particles through said regenerating zone in intimate contact with a moving stream of said gaseous regenerating agent under regenerating conditions so as to regenerate the particles, controlling the temperature of all particles in said regenerating zone so as to maintain their temperature at an efficient regenerating temperature which is below any temperature that substantially heat damages the particles, returning regenerated particles from said regenerating zone to said conversion zone without permitting them to cool to atmospheric temperature, and preventing any substantial amount of said petroleum oil reactant from passing into said regenerating zone at all times and preventing any substantial amount of combustion-supporting gas from passing into said conversion zone at all times.

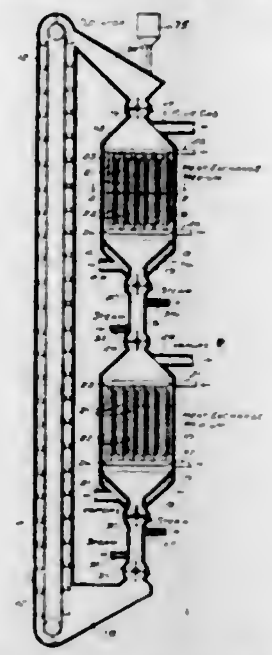
2,419,508

APPARATUS FOR CATALYTIC CONVERSION

Thomas P. Simpson, John W. Payne, and John A. Crowley, Jr., Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

Application October 1, 1941, Serial No. 413,102

6 Claims. (Cl. 23—260)



1. Apparatus for continuous catalytic cracking of hydrocarbon oils comprising a pipe still for heating said oils to a cracking temperature, a cracking chamber provided with a catalyst inlet and a catalyst outlet and also provided with a charging stock inlet and a cracked product outlet, a transfer line connecting said charging stock inlet with said pipe still, a fractionating system, means for introducing products from the cracked product outlet to said fractionating system, a revivification chamber provided with a catalyst inlet and a catalyst outlet and also with a revivification medium inlet and a revivification medium outlet, means for substantially directly transferring hot spent catalyst from said cracking chamber outlet to said revivification chamber inlet while the cracking and revivification operations are in progress, said means comprising a valve adapted to transfer catalyst while preventing substantial flow of gas therethrough, and means for substantially directly transferring hot revivified catalyst from said revivification chamber outlet to said cracking chamber inlet while the cracking and revivification operations are in progress, said last-mentioned means comprising at least one valve adapted to transfer catalyst while preventing substantial flow of gas therethrough.

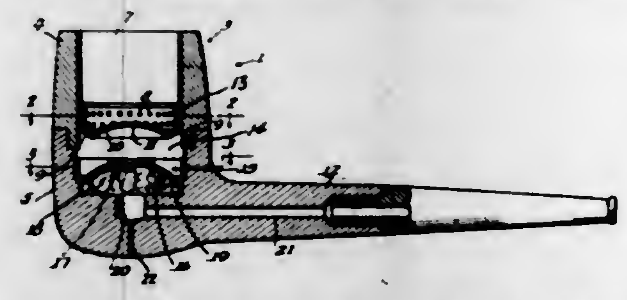
2,419,509

SMOKING PIPE

John L. Turner, St. Louis, Mo.

Application April 19, 1943, Serial No. 483,694

4 Claims. (Cl. 131—205)



2. A smoker's pipe including a bowl, a generally cup-shaped tobacco holder in the bowl, the bottom of the holder being upwardly concave as viewed from below for guiding moisture that is formed in the pipe to the periphery of the container, said holder having openings in the bottom periphery for permitting the outflow of such moisture, and having at least one smoke-flow opening above said first mentioned openings, a drip pan in the bowl below the tobacco holder, said pan being also upwardly concave as viewed from below and imperforate around its outer periphery to collect and hold the moisture dripping from the tobacco holder, said pan having a suction opening therethrough in the upper part thereof, and means forming a suction passageway below the pan.

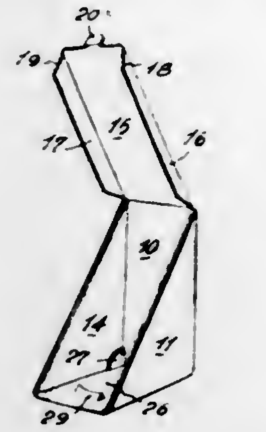
2,419,510

HINGED COVER TRIANGULAR CARTON

Robert Van Rosen, New York, N. Y., assignor to J. Makowsky Corporation, a corporation of New York

Application June 6, 1945, Serial No. 597,734

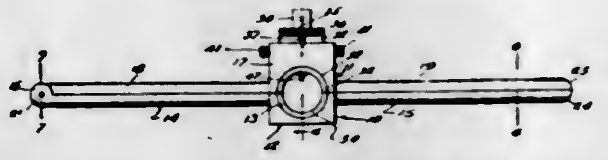
9 Claims. (Cl. 229—22)



1. In a carton formed from a single sheet of material, a back member, an outer triangular right side member articulated to the right side of the back member, an inner triangular right side member articulated to the hypotenuse of the outer right side member and lying parallel thereto, a locking member articulated to the lower side of the right outer side member, an outer triangular left side member articulated to the left side of the back member, an inner inner triangular left side member articulated to the hypotenuse of the outer left side member and lying parallel thereto, a locking member articulated to the lower side of the left outer side member interlocked with the locking member articulated to the lower side of the right side member one of said locking members having a beveled inner end to facilitate interlocking and said interlocking members forming an intermediate bottom wall member, an outer bottom wall member articulated at one end of the bottom of the back member and underlying the interlocking members but of less width than the interlocking members, an inner bottom wall member articulated at the other end of the outer bottom wall member and overlying the interlocking members, upwardly extending wings articulated to the inner bottom wall member resting against and holding in place the inner side wall members, a projecting stop member in the inner bottom wall member, teeth at each side of the forward end of the inner bottom wall member, a front wall member narrower than the back wall member and articulated to the top thereof, wings articulated at each side of the front wall member and at right angles therewith lying between the inner side walls and

in contact therewith, teeth on the lower ends of the last mentioned wings engaging the teeth on the inner bottom wall member, and a projecting tab at the lower end of the front wall member.

2,419,511
CABLE STRIPPER
Charles S. Vaughan, Jr., Tuscumbia, Ala.
Application January 5, 1945, Serial No. 571,443
1 Claim. (Cl. 81—9.5)



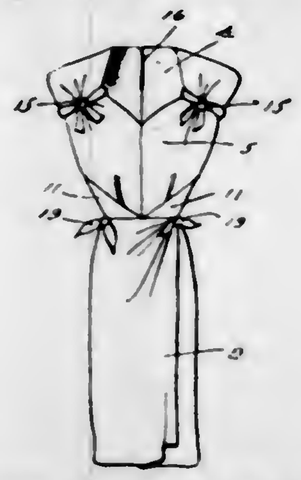
In a cable stripper, in combination, an upper portion having a semi-cylindrical recess therein, a lower portion having a semi-cylindrical recess therein in aligned relation with said first-mentioned recess to form a cylindrical bore, a cutter blade extending into the recess of the upper portion, and handle members extending from opposite sides of each of said portions in pairs, one pair being pivotally connected, and means to mount the cutter blade in said upper portion comprising a bushing member rotatably adjustable in said upper portion about an axis at a right angle to the axis of said bore, snap-action devices in said upper portion and bushing member for releasably locking the bushing member in different adjusted positions, and a square shank carrying said cutter blade and slidably mounted in said bushing member for longitudinal adjustment in said bushing member in the axis thereof into different positions, and manipulative means for locking said shank in said different adjusted positions.

2,419,512
PROCESS FOR PRODUCING PIGMENTED RUBBER
Vincent C. Vesce, Ridgewood, N. J., assignor to Harmon Color Works, Inc., Paterson, N. J., a corporation of Ohio
No Drawing. Application February 8, 1944, Serial No. 521,744
7 Claims. (Cl. 260—41)

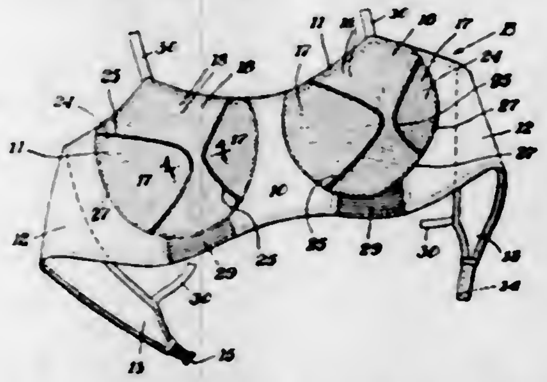
1. A process for producing non-crocking pigmented rubber particles comprising converting a pigment into a colloidal dispersion by the addition of water and a dispersing agent to the pigment, adding a water-soluble polyvalent metal salt to flocculate the dispersion into a suspension of finely divided pigment particles and render the dispersing agent substantially completely inactive, adjusting the pH of the suspension to substantially 6 to 7, mixing the suspension with a latex selected from the group consisting of natural rubber, polymerized chloroprene and synthetic rubbery polymers of a butadiene hydrocarbon; and finally coagulating the mixture to produce coagulated pigmented rubbery particles.

2,419,513
COMBINATION GARMENT
Hortense Wahlberg, Miami, Fla.
Application June 27, 1944, Serial No. 542,358
3 Claims. (Cl. 2—71)

1. A garment comprising a unitary substantially T-shaped robe with the leg of the T constituting a body portion and the bar of the T constituting a skirt portion, a neck opening intermediate the ends of said leg, said leg being foldable medially of said neck opening and transversely of itself to provide upper waist front and back members open at the sides, a portion of said leg between said neck opening and the bar adapted to be positioned between the legs of the wearer and covering the lower front and back portions of the body, and open at the sides, the bar being reversely foldable upon itself, the free ends of said bar being extensible about the hips of the wearer for overlapping engagement, means for detachably securing the open sides of said waist members and additional means to detachably secure said free ends of said skirt portion.



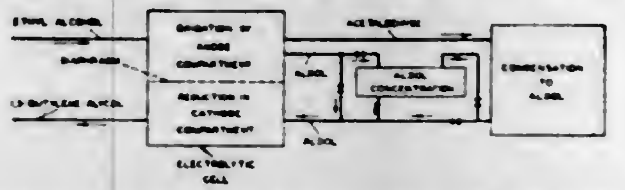
2,419,514
BRASSIÈRE
Jack Wolf, Baltimore, Md.
Application January 13, 1947 Serial No. 721,790
5 Claims. (Cl. 2—42)



1. A breast sustaining pocket for brassières; comprising, a one piece substantially hour glass shaped intervenor having an intermediately arranged contracted part provided with opposed concaved base portions and having upper and lower tapered portions integral with and flaring away from said contracted part, said tapered portions and said contracted part defining spaced concavities having sides merging with and diverging outwardly away from said base portions, wings disposed within said concavities and having convex nose portions disposed adjacent to said base portions and including outwardly diverging margins arranged contiguous to said sides, and means securing said nose portions to said base portions and said sides to said margins.

2,419,515
PREPARATION OF 1,3-BUTYLENE GLYCOL
I. Louis Wolk, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application December 14, 1942, Serial No. 468,959
2 Claims. (Cl. 204—77)

2. The process of making 1,3-butylene glycol from ethyl alcohol which comprises introducing an alcoholic aqueous solution containing from 50 to 95 per cent ethyl alcohol to which solution has been added about 4% NaOH into the anode compartment of an electrolytic cell having its cathode compartment separated from its anode compartment by a porous diaphragm, subjecting said solution to electrolytic oxidation at a carbon anode in said anode compartment with a current density of 3 to 6 amperes per square decimeter at 3 to 15 volts and at a temperature of about 10° C. with stirring for a length of time of from 2–10 hours sufficient to effect substantial conversion of ethyl alcohol to acetaldehyde by electrolytic oxidation and concomitant condensation of said acetalydehyde to aldol in said anode compartment, introducing the resulting electrolyte containing ethyl alcohol, water, NaOH, aldol and acetaldehyde into the cathode compartment of the same electrolytic cell, subjecting said electrolyte to electrolytic reduction therein at an amalgamated lead cathode under the same range of current conditions as in the anode compartment and thereby reducing said aldol to 1,3-butylene glycol at said cathode and reconverting said acetaldehyde to ethyl alcohol, simultaneously oxidizing electrolytically a fresh quantity of said aqueous alkaline ethyl alcohol solution in said anode compartment at the foregoing conditions, maintaining the anolyte and catholyte separate during the process by means of said diaphragm, withdrawing the catholyte from said cathode compartment after reduction of said aldol to 1,3-butylene glycol therein, separately recovering the 1,3-butylene glycol in substantially pure form and the ethyl alcohol from the catholyte, and recycling said ethyl alcohol to the anode compartment.

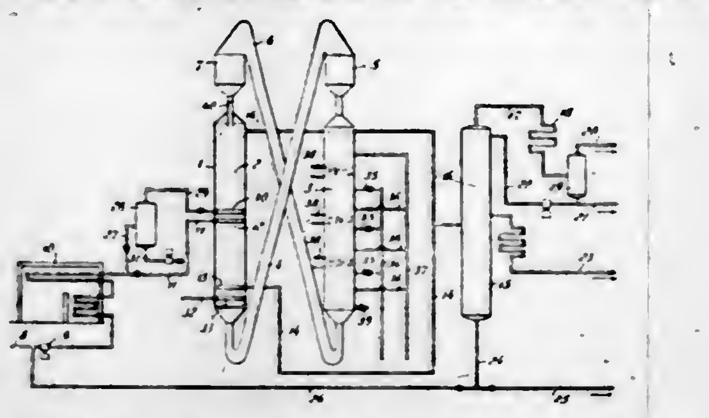


2,419,516
DIALKYL-DIHYDROXY-DIPHENYL-HEXADIENES AND THEIR DERIVATIVES
Albert Bloom, Clinton, N. J., and Victor Niederl, Brooklyn, N. Y., assignors to Reed & Carnrick, Jersey City, N. J., a corporation of New Jersey
No Drawing. Application February 26, 1944, Serial No. 524,090
1 Claim. (Cl. 260—619)

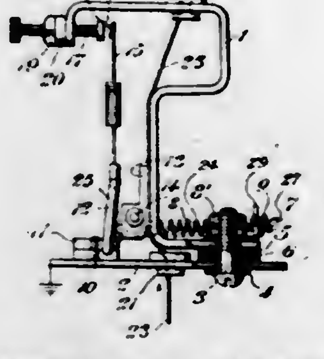
A new article of manufacture, 3:4-bis-(3-methyl-4-hydroxyphenyl)-2:4-hexadiene.

2,419,517
CONVERSION OF HYDROCARBONS
Sylvander C. Eastwood, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application July 27, 1945, Serial No. 607,458
4 Claims. (Cl. 196—52)

4. The method of converting a heavy, high boiling hydrocarbon oil into high quality gasoline by catalytic cracking in the presence of a particle form solid catalytic contact mass which comprises circulating said contact mass in a closed cyclic path through an enclosed conversion zone and an enclosed regenerating zone, moving said contact mass through said conversion zone in the form of a substantially compact column, heating a charge oil containing a substantial fraction boiling above the desired reaction temperature to a temperature not above about 840° F., separating said charge oil into a vapor portion and a liquid portion, introducing said vapor and said liquid separately to spaced-apart points in said column intermediate its ends, contacting the vapors so separated with the contact mass in the upper portion of said column in the absence of unvaporized portions of the charge oil, removing vaporous products of this conversion step from the upper end of said column, contacting liquid so separated in a lower portion of the column and below said upper portion of the column wherein vapors are treated, removing vaporous products of this second conversion from a point near the bottom of said column, removing contaminated contact mass from the bottom of said conversion zone while substantially preventing the escape of vaporous hydrocarbon material therewith, subjecting the contaminated contact mass to a combustion regeneration at high temperature, removing the contact mass from regeneration and introducing it in heated condition into said conversion zone while substantially preventing escape of combustion gases into said conversion zone, the heat in the said contact mass and the temperature of the charge vapors and charge liquid being proportioned to maintain the conversion zone at a desired reaction temperature between about 800° F. and about 1000° F. and not above the boiling point of said substantial fraction of the charge oil.



2,419,518
STOP MECHANISM
Philippe E. H. Eichinger, Woodbridge, N. J., assignor to General Cable Corporation, New York, N. Y., a corporation of New Jersey
Application November 16, 1944, Serial No. 563,749
9 Claims. (Cl. 66—163)

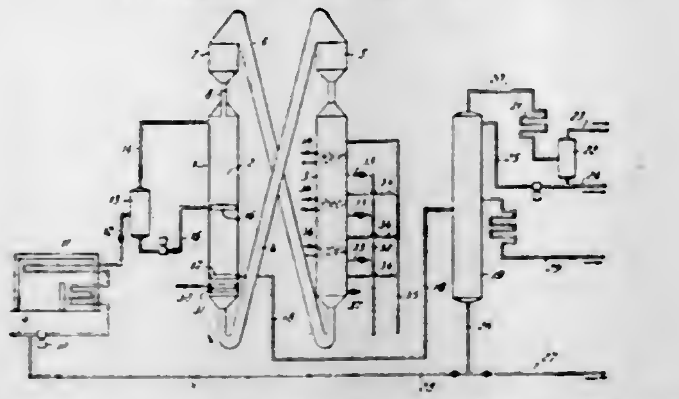


1. A stop mechanism for a machine that operates upon yarn including a fixed guide plate along one side of and adjacent the course of the yarn serving as a fixed contact, a second contact on the other side of the course of the yarn, switch means movable between the contacts and biased toward the fixed contact, said switch means including a contact area in the form of a pivotally mounted shoe confronting the fixed contact and held away therefrom by the yarn that passes along said fixed contact, said switch means also including another contact area confronting the

said second contact, and means providing an electrical circuit that is closed by contact of the switch means with either the fixed contact, or the said second contact.

2,419,519
CONVERSION OF HYDROCARBONS

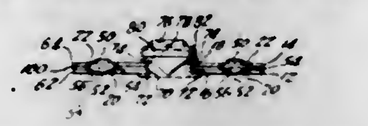
Louis P. Evans, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application July 27, 1945, Serial No. 607,476
3 Claims. (Cl. 196—52)



1. The method of converting a heavy, high boiling hydrocarbon oil into high quality gasoline by catalytic cracking in the presence of a particle form solid catalytic contact mass which comprises circulating said contact mass in a closed cyclic path through an enclosed conversion zone and an enclosed regenerating zone, moving said contact mass through said conversion zone in the form of a substantially compact column, heating a charge oil containing a substantial fraction boiling above the desired reaction temperature to a temperature not above about 840° F., separating said charge oil into a vapor portion and a liquid portion, introducing the vapors so formed into said column at a point adjacent its upper end, introducing the liquid so formed into said column at a point intermediate its ends, removing vaporous products of conversion from said column at a point adjacent its lower end and below the point of liquid feed introduction, removing contaminated contact mass from the bottom of said conversion zone while substantially preventing the escape of vaporous hydrocarbon material therewith, subjecting the contaminated contact mass to a combustion regeneration at high temperature, removing the contact mass from regeneration and introducing it in heated condition into said conversion zone, the heat in the said contact mass and the temperature of the charge vapors and charge liquid being proportioned to maintain the conversion zone at a desired reaction temperature between about 800° F. and about 1000° F. and not above the boiling point of said substantial fraction of the charge oil.

2,419,520
MULTIGEM SETTING

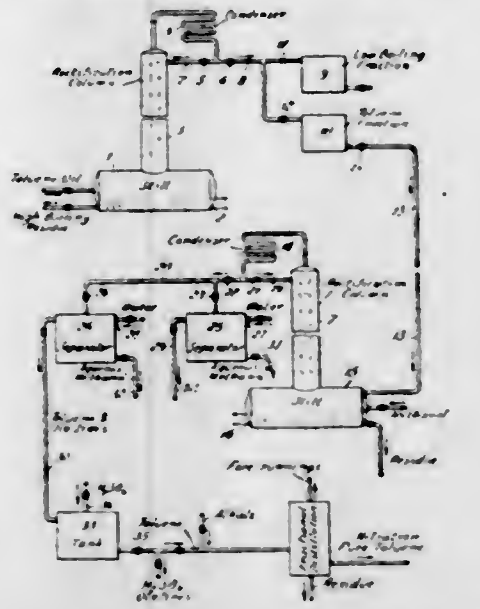
Benedict Tessler, Irvington, N. J., assignor to Tessler & Weiss, Inc., Newark, N. J., a corporation of New Jersey
Application March 6, 1946, Serial No. 652,407
12 Claims. (Cl. 63—28)



1. In combination, a plurality of gems and a setting therefor, the setting comprising a pair of flat plates, a plurality of registering apertures in said plates, the apertures in said plates being smaller than the girdles of the gems set therein. the gems being disposed and held between the plates with the lower portions of the gems projecting down into and through the apertures in one plate, and the upper portions of the gems projecting up into and through the apertures in the other plate, the gems being held between the plates, and means to secure the plates together.

2,419,521
PROCESS FOR RECOVERY OF AROMATIC HYDROCARBONS

John W. Waldron, Philadelphia, Pa., assignor, by mesne assignments, to Allied Chemical & Dye Corporation, a corporation of New York
Application October 12, 1940, Serial No. 360,864
8 Claims. (Cl. 202—57)



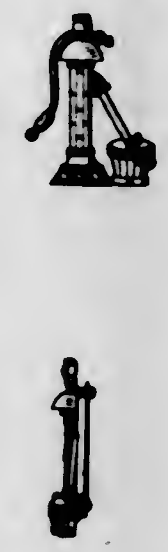
1. The process for the recovery of a nitration-pure aromatic hydrocarbon of the benzene series from an oil containing the same and containing higher, lower and like-boiling, non-aromatic hydrocarbons, including a substantial proportion of like-boiling olefins, which comprises fractionally distilling said aromatic oil and in this distillation taking off an oil fraction having an end boiling point in degrees centigrade not more than 1.06 times the boiling point in degrees centigrade of said aromatic hydrocarbon and containing said aromatic hydrocarbon and olefins in amount such that the numerical value of the ratio per cent aromatic:bromine number for said oil fraction is less than 250, azeotropically distilling said oil fraction with fractionation of the distilled vapors in the presence of a material forming low-boiling azeotropes with the non-aromatic hydrocarbons present in said fraction, in said azeotropic distillation taking off as an overhead distillate with said material substantially all of the like-boiling and lower boiling non-aromatic hydrocarbons other than olefins and a portion of the olefins present in said oil fraction, thereby recovering an aromatic hydrocarbon fraction containing said aromatic hydrocarbon and a portion only of the olefins which were present in said oil fraction, washing said aromatic hydrocarbon fraction with sulfuric acid of a concentration and in an amount such that the aromatic hydrocarbon fraction is substantially completely freed of olefins, separating the acid-washed aromatic hydrocarbon fraction from reaction products of the sulfuric acid and olefins, neutralizing the aromatic hydrocarbon fraction with an alkali and fractionally distilling the neutralized fraction and in this distillation collecting separate from forerunnings and higher boiling residue a fraction consisting of nitration-pure aromatic hydrocarbon.

DESIGNS

APRIL 22, 1947

146,635
DESIGN FOR A BROOCH

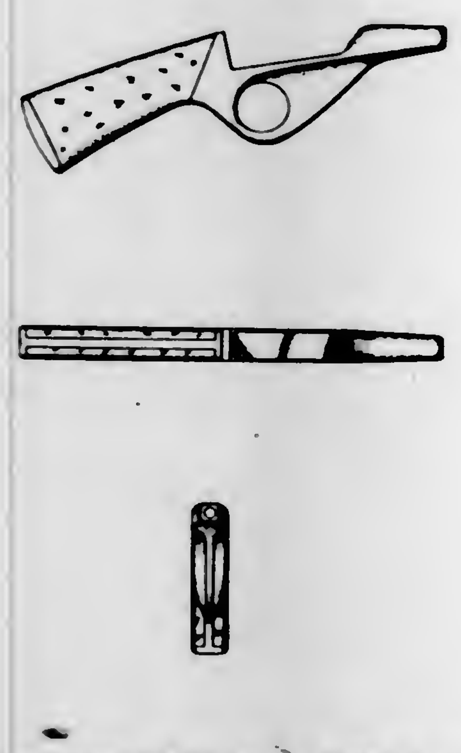
Antonio Aquilino, Providence, R. I.
Application February 4, 1946, Serial No. 126,231
Term of patent 3½ years
(Cl. D45—19)



The ornamental design for a brooch, as shown.

146,636
DESIGN FOR A FISHING ROD HANDLE

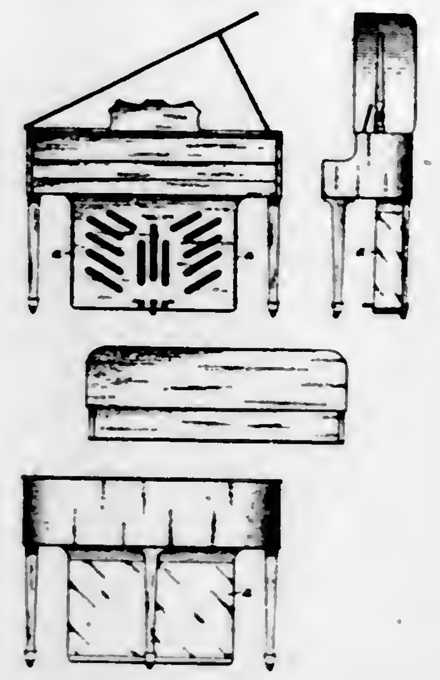
Rex O. Baubie and Virgil J. McKendry, Detroit, Mich., assignors to Florida Rod and Manufacturing Co., Detroit, Mich., a corporation of Michigan
Application May 16, 1946, Serial No. 129,734
Term of patent 7 years
(Cl. D31—4)



The ornamental design for a fishing rod handle, as shown.

146,637
DESIGN FOR A PIANO OR SIMILAR ARTICLE

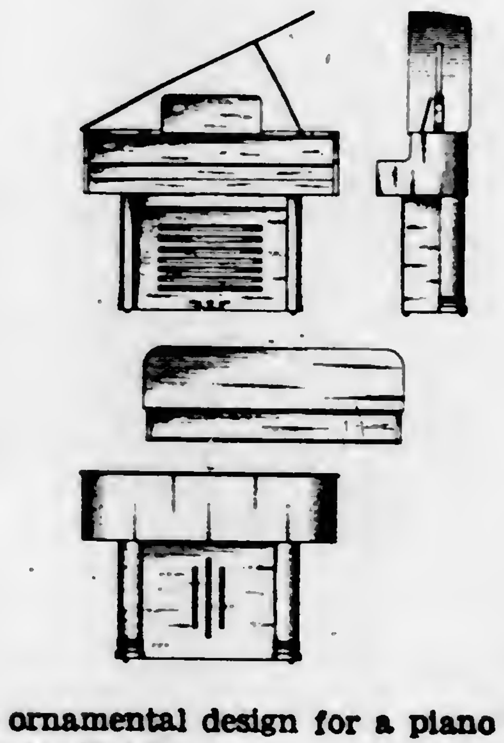
Alexander P. Brown, Beechhurst, Long Island, N. Y.
Application January 15, 1946, Serial No. 125,553
Term of patent 14 years
(Cl. D56—9)



The ornamental design for a piano or similar article, as shown and described.

146,638
DESIGN FOR A PIANO OR SIMILAR ARTICLE

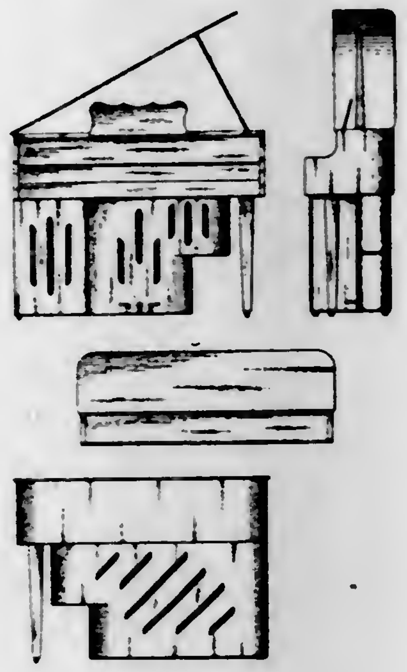
Alexander P. Brown, Beechhurst, Long Island, N. Y.
Application January 15, 1946, Serial No. 125,554
Term of patent 3½ years
(Cl. D56—9)



The ornamental design for a piano or similar article, as shown.

146,639
DESIGN FOR A PIANO OR SIMILAR ARTICLE

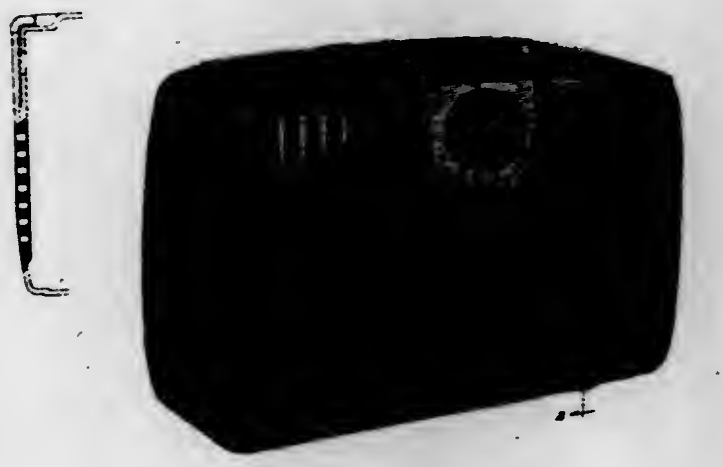
Alexander P. Brown, Beechhurst, Long Island, N. Y.
Application January 15, 1946, Serial No. 125,555
Term of patent 14 years
(Cl. D56—9)



The ornamental design for a piano or similar article, as shown.

146,640
DESIGN FOR A RADIO CABINET

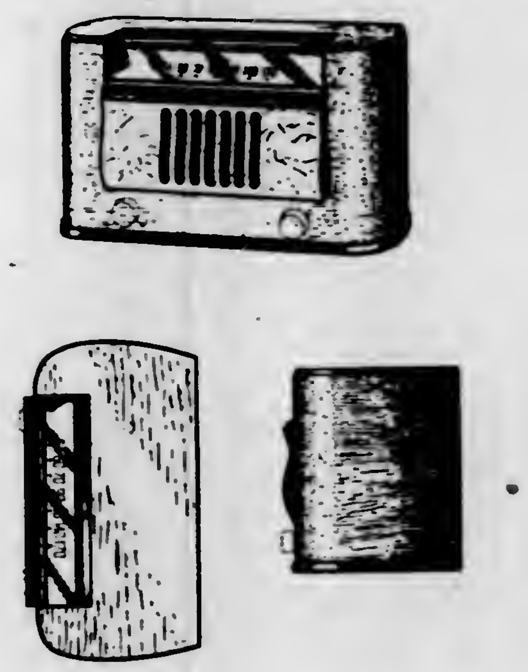
Robert D. Budlong, Skokie, Ill., assignor to Zenith Radio Corporation, a corporation of Illinois
Application November 28, 1945, Serial No. 124,137
Term of patent 3½ years
(Cl. D56—4)



The ornamental design for a radio cabinet, as shown and described.

146,641
DESIGN FOR A RADIO CABINET OR THE LIKE

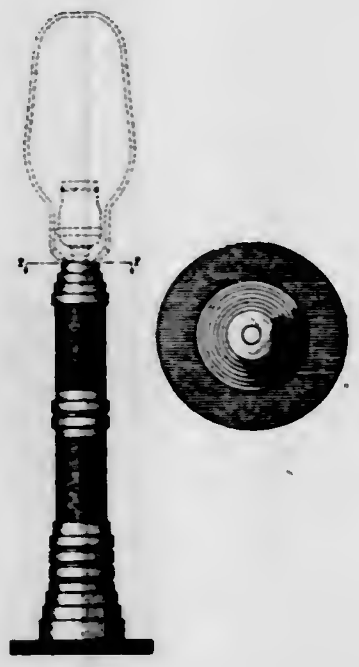
Frank C. Burton, Grand Rapids, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application March 29, 1946, Serial No. 128,087
Term of patent 3½ years
(Cl. D56—4)



The ornamental design for a radio cabinet or the like, as shown and described.

146,642
DESIGN FOR A LAMP STANDARD

John R. Crawford, Los Angeles, Calif.
Application December 8, 1945, Serial No. 124,556
Term of patent 3½ years
(Cl. D48—20)



The ornamental design for a lamp standard, substantially as shown and described.

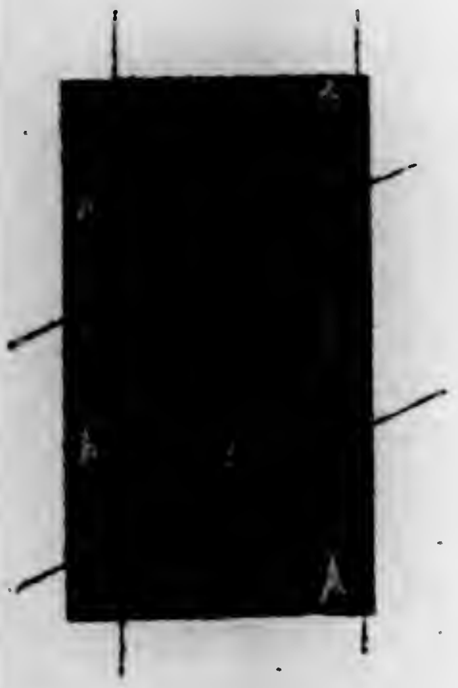
146,643
DESIGN FOR A SCARF OR SIMILAR ARTICLE

Gladys Rockmore Davis, New York, N. Y.
Application January 22, 1947, Serial No. 136,291
Term of patent 3½ years
(Cl. D3—12)

The ornamental design for a scarf or similar article, substantially as shown.

146,644
DESIGN FOR A TEXTILE FABRIC

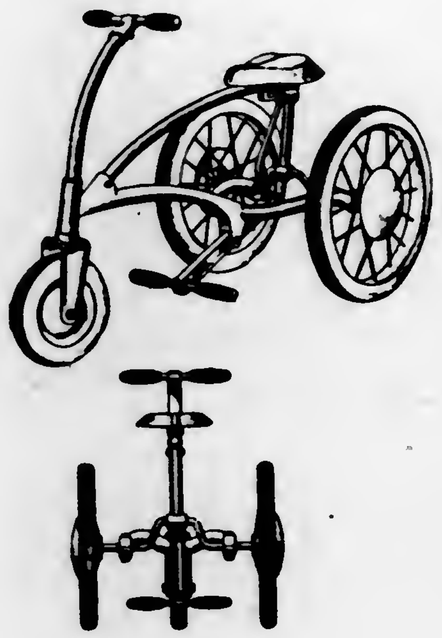
Gladys Rockmore Davis, New York, N. Y.
Application January 22, 1947, Serial No. 136,292
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for a textile fabric, substantially as shown and described.

146,645
DESIGN FOR A VEHICLE

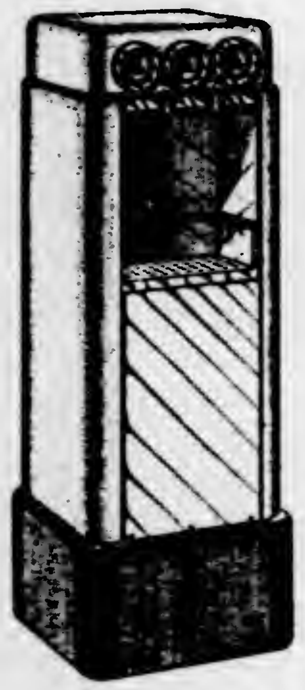
Joseph E. Donalson, Kansas City, Mo.
Application April 15, 1946, Serial No. 128,599
Term of patent 7 years
(Cl. D34—15)



The ornamental design for a vehicle, as shown.

146,646
DESIGN FOR AN OIL BAR

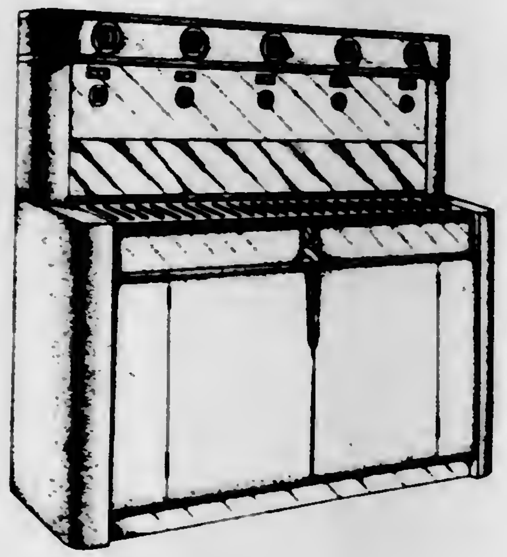
Erling G. Fossum and Francis Lawrence Ayres, Chicago, Ill., assignors to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application March 8, 1946, Serial No. 127,223
Term of patent 14 years
(Cl. D52—2)



The ornamental design for an oil bar, substantially as shown and described.

146,647
DESIGN FOR AN OIL BAR

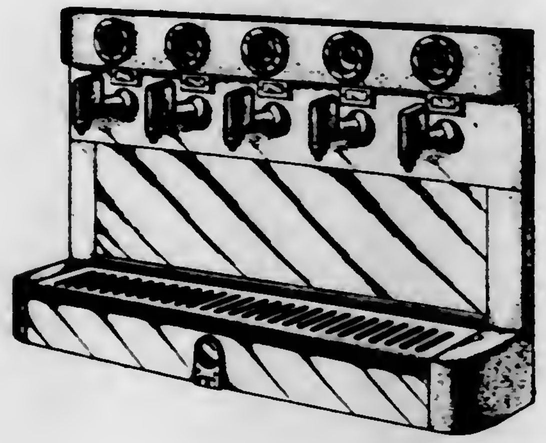
Erling G. Fossum, Chicago, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application March 8, 1946, Serial No. 127,224
Term of patent 14 years
(Cl. D52—2)



The ornamental design for an oil bar, substantially as shown and described.

146,648
DESIGN FOR A DISPENSING UNIT FOR AN OIL BAR

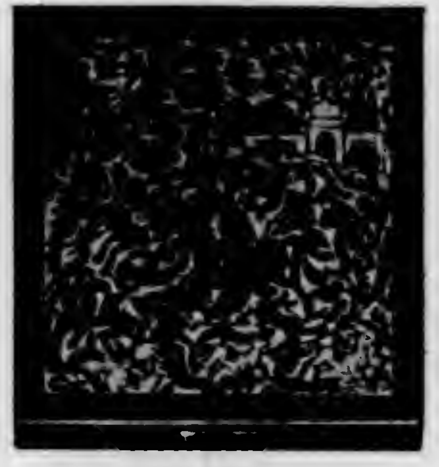
Erling G. Fossum, Chicago, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application March 9, 1946, Serial No. 127,277
Term of patent 14 years
(Cl. D52—2)



The ornamental design for a dispensing unit for an oil bar, substantially as shown and described.

146,649
DESIGN FOR A VANITY CASE OR SIMILAR ARTICLE

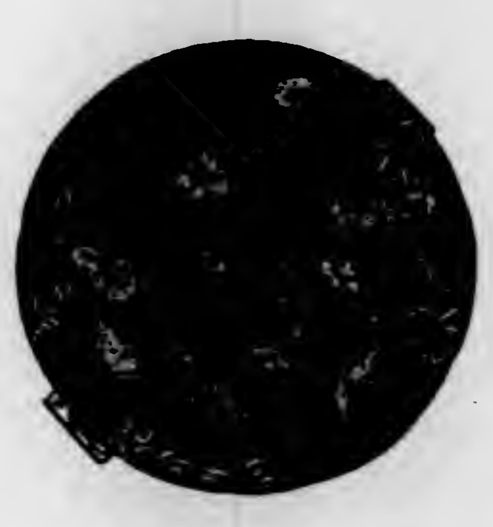
Richard T. Gaige, New York, N. Y., assignor to Volupte, Inc., New York, N. Y., a corporation of New York
Application May 10, 1946, Serial No. 129,545
Term of patent 7 years
(Cl. D86—10)

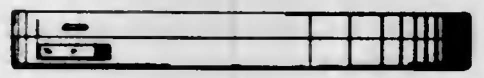


The ornamental design for a vanity case or similar article, substantially as shown and described.

146,650
DESIGN FOR A VANITY CASE OR SIMILAR ARTICLE

Richard T. Gaige, New York, N. Y., assignor to Volupte, Inc., New York, N. Y., a corporation of New York
Application May 10, 1946, Serial No. 129,546
Term of patent 7 years
(Cl. D86—10)

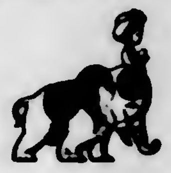


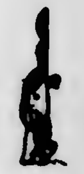


The ornamental design for a vanity case or similar article, substantially as shown and described.

146,651
DESIGN FOR A BROOCH

Frank J. Gargano, Providence, R. I.
Application May 13, 1946, Serial No. 129,656
Term of patent 3½ years
(Cl. D45—19)

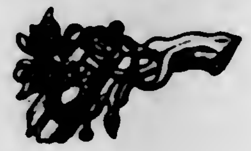


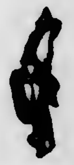


The ornamental design for a brooch, as shown.

146,652
DESIGN FOR A BROOCH

Frank J. Gargano, Providence, R. I.
Application May 27, 1946, Serial No. 130,089
Term of patent 3½ years
(Cl. D45—19)

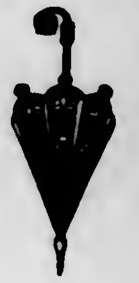


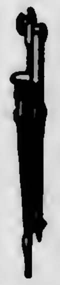


The ornamental design for a brooch, as shown.

146,653
DESIGN FOR A BROOCH

Frank J. Gargano, Providence, R. I.
Application May 27, 1946, Serial No. 130,090
Term of patent 3½ years
(Cl. D45—19)

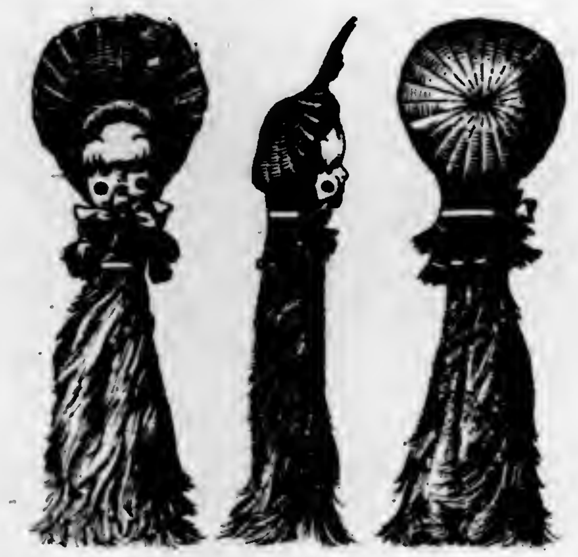




The ornamental design for a brooch, as shown.

146,654
DESIGN FOR A DOLL

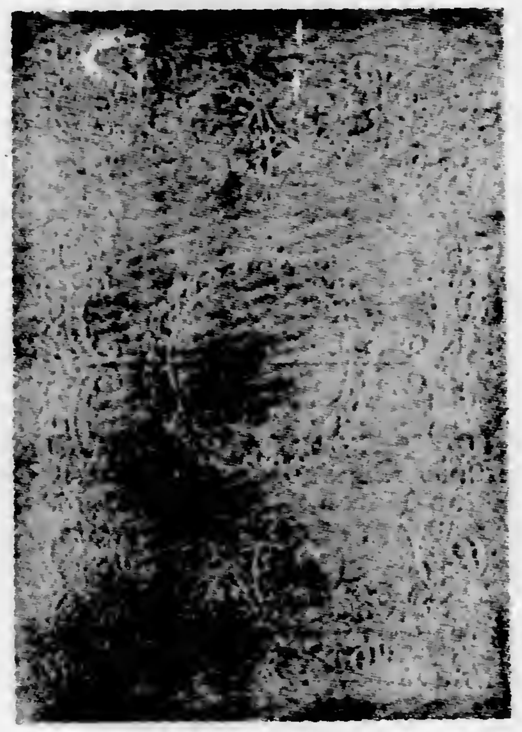
Edith Blanche Groshong, Eureka, Calif.
Application March 12, 1946, Serial No. 127,394
Term of patent 7 years
(Cl. D34—4)



The ornamental design for a doll, as shown.

146,655
DESIGN FOR A PLACE MAT OR SIMILAR ARTICLE

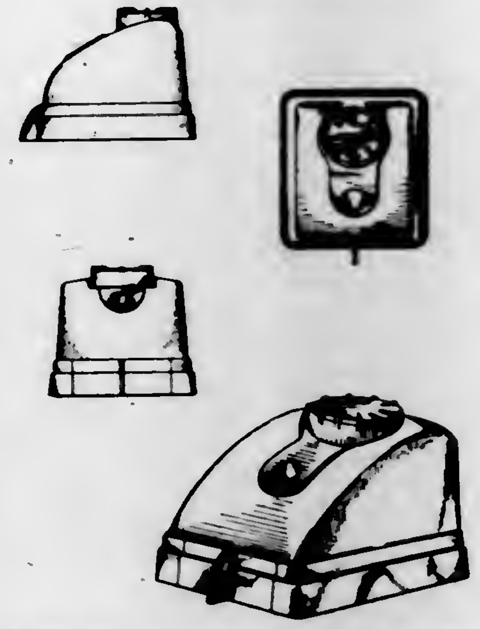
Kenneth C. Hamilton, Milwaukee, Wis., assignor to Milwaukee Lace Paper Company, Milwaukee, Wis., a corporation of Wisconsin
Application February 5, 1947, Serial No. 136,694
Term of patent 14 years
(Cl. D59—2)



The ornamental design for a place mat or similar article, substantially as shown and described.

146,656
DESIGN FOR AN INKWELL

Rufus W. Hamilton, Jr., and James L. King,
Wilmington, Calif.
Application May 7, 1946, Serial No. 129,404
Term of patent 7 years
(Cl. D74—8)



The ornamental design for an inkwell, substantially as shown.

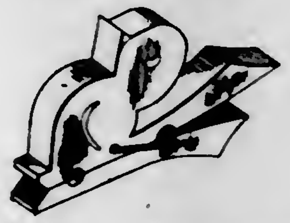
146,657
DESIGN FOR A TABLECLOTH OR SIMILAR ARTICLE

Virginia Helsley, New York, N. Y.
Application January 16, 1947, Serial No. 136,167
Term of patent 3½ years
(Cl. D92—26)

The ornamental design for a tablecloth or similar article, substantially as shown.

146,658
DESIGN FOR A CLOTHESPIN

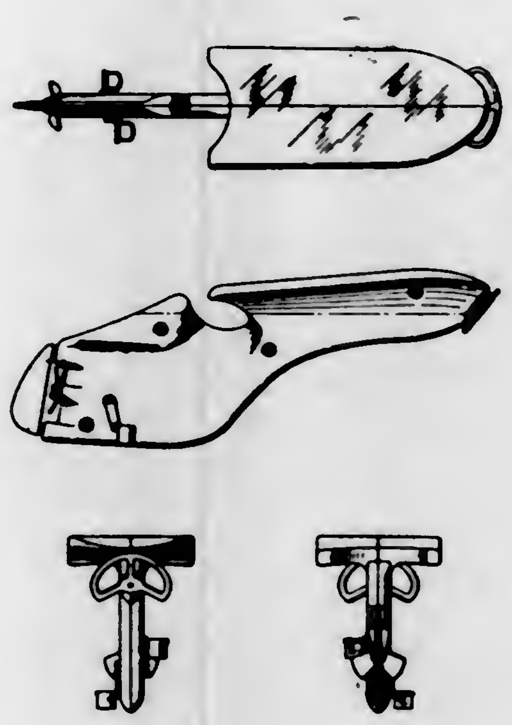
Virginia J. Jacobsen, San Diego, Calif.
Application March 22, 1946, Serial No. 128,125
Term of patent 3½ years
(Cl. D17—6)



The ornamental design for a clothespin, substantially as shown and described.

146,659
DESIGN FOR A HYDROCYCLE

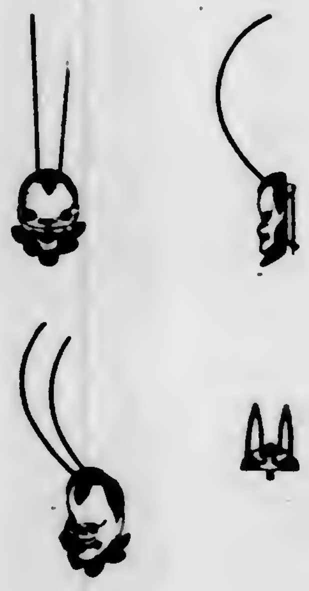
Erich Jaeger, La Falda, Argentina, assignor to
Otto F. Rien, Yeadon, Pa.
Application January 22, 1946, Serial No. 125,838
Term of patent 14 years
(Cl. D71—1)



The ornamental design for a hydrocycle, as shown.

146,660
DESIGN FOR A BROOCH OR SIMILAR ARTICLE

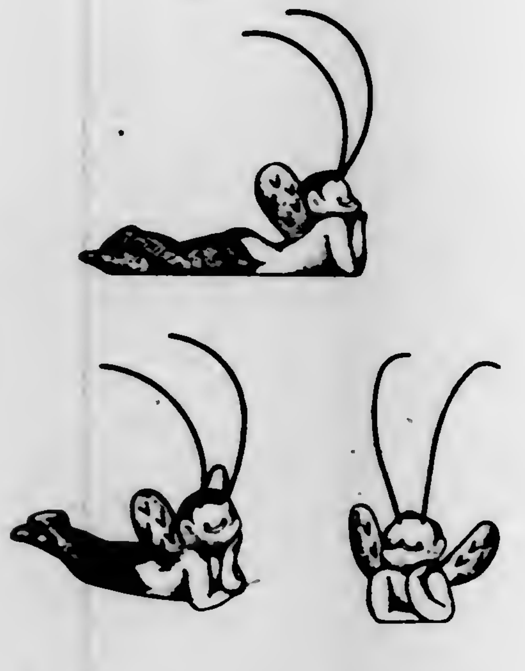
Norma E. Jansen, Oakland, Calif.
Application February 7, 1946, Serial No. 126,353
Term of patent 3½ years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

146,661
DESIGN FOR A FIGURINE

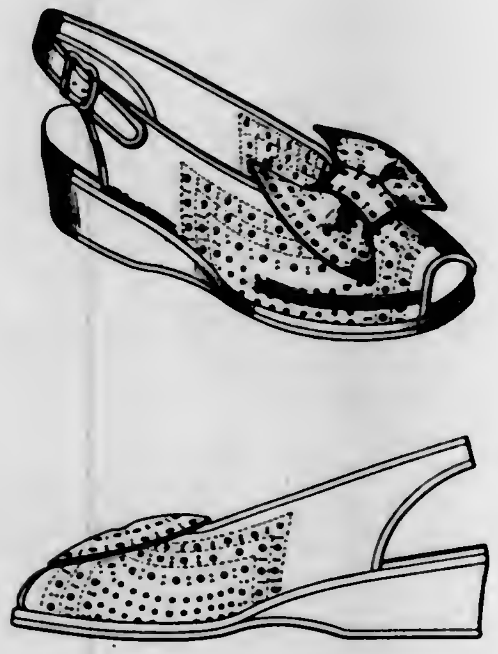
Norma E. Jansen, Oakland, Calif.
Application February 7, 1946, Serial No. 126,354
Term of patent 3½ years
(Cl. D29—23)



The ornamental design for a figurine, substantially as shown.

146,662
DESIGN FOR A SHOE OR SIMILAR ARTICLE

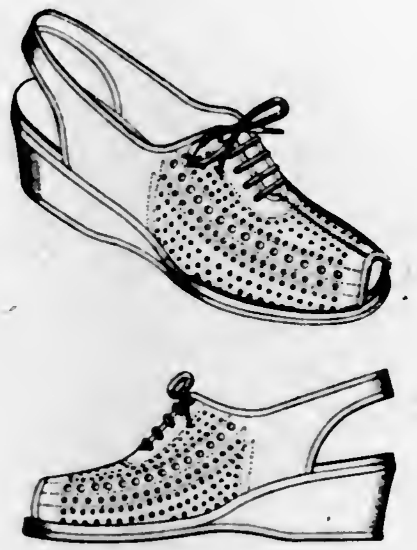
Samuel L. Kleven, Augusta, Maine
Application October 26, 1946, Serial No. 134,302
Term of patent 3½ years
(Cl. D7—7)



The ornamental design for a shoe or similar article, substantially as shown.

146,663
DESIGN FOR A SHOE OR SIMILAR ARTICLE

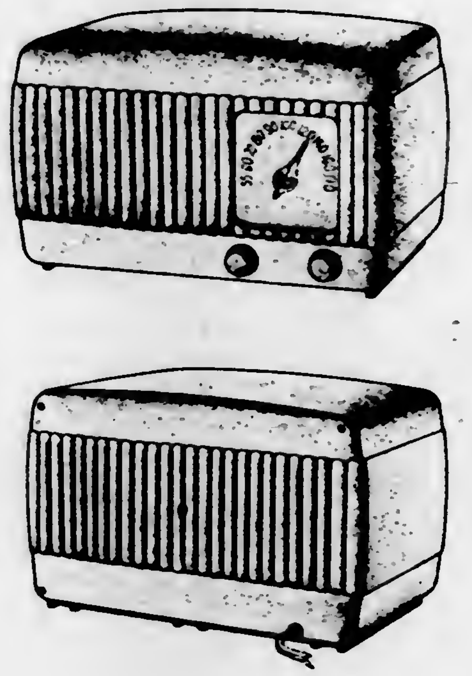
Samuel L. Kleven, Augusta, Maine
Application October 26, 1946, Serial No. 134,303
Term of patent 3½ years
(Cl. D7—7)



The ornamental design for a shoe or similar article, substantially as shown.

146,664
DESIGN FOR A RADIO RECEIVER

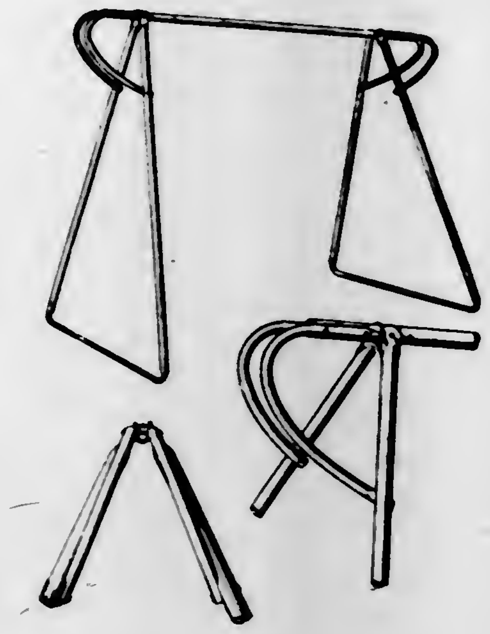
Louis Kniep, Jr., East Orange. N. J., assignor to
Federal Telephone and Radio Corporation, New
York, N. Y., a corporation of Delaware
Application January 16, 1946, Serial No. 125,607
Term of patent 3½ years
(Cl. D56—4)



The ornamental design for a radio receiver, as shown and described.

146,665
DESIGN FOR A FRAME FOR PLAYGROUND EQUIPMENT

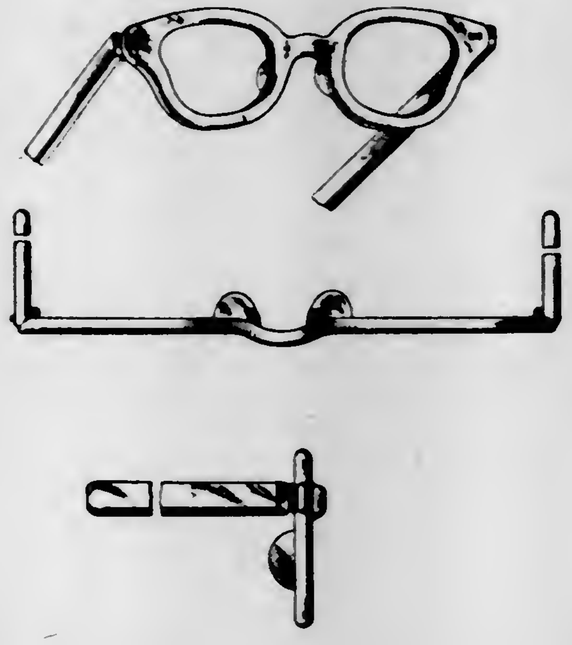
Benjamin F. Leber, Chicago, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application September 10, 1945, Serial No. 121,973
Term of patent 14 years
(Cl. D34—5)



The ornamental design for a frame for playground equipment, substantially as shown.

146,666
DESIGN FOR A SPECTACLE FRAME

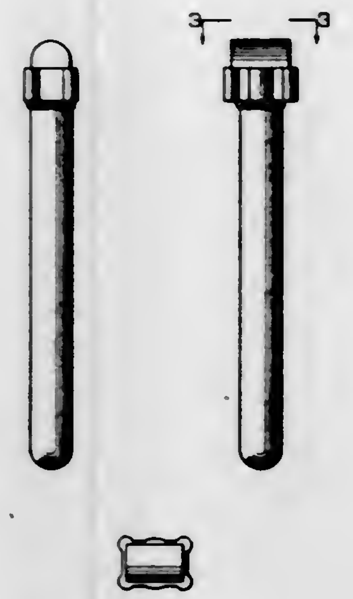
Monroe B. Levoy, New York, N. Y.
Application May 3, 1946, Serial No. 129,240
Term of patent 14 years
(Cl. D57—1)



The ornamental design for a spectacle frame, as shown.

146,667
DESIGN FOR AN ENVELOPE MOISTENER

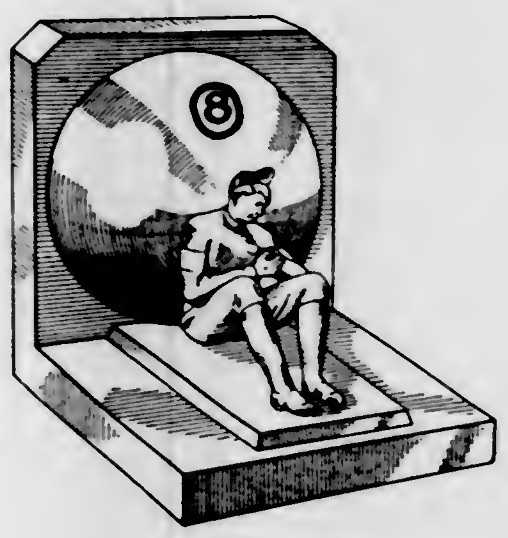
Aaron H. Lippman, Jamestown, N. Y., assignor to Jay-Lip Corporation, Jamestown, N. Y., a corporation of New York
Application May 31, 1946, Serial No. 130,275
Term of patent 14 years
(Cl. D74—10)



The ornamental design for an envelope moistener, substantially as shown.

146,668
DESIGN FOR A BOOK-END

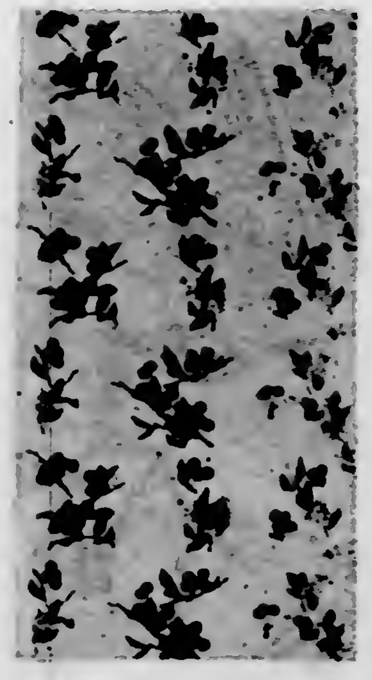
Ralph L. MacDonald, Niagara Falls, N. Y.
Application March 20, 1946, Serial No. 127,692
Term of patent 14 years
(Cl. D33—1)



The ornamental design for a book-end, as shown.

146,669
DESIGN FOR A TABLECLOTH OR SIMILAR ARTICLE

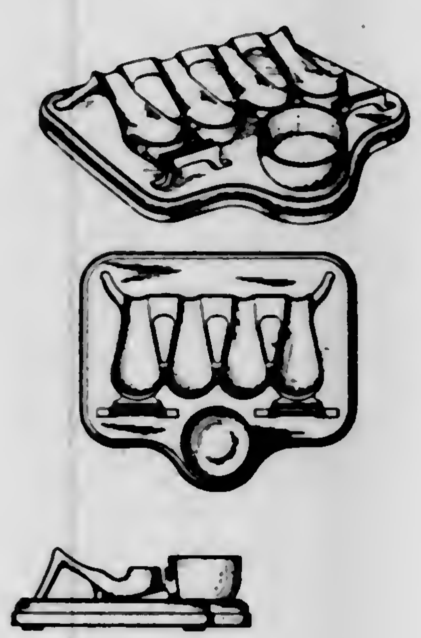
John S. Madsen, New York, N. Y.
Application June 20, 1946, Serial No. 130,881
Term of patent 3½ years
(Cl. D92—26)



The ornamental design for a tablecloth or similar article, substantially as shown and described.

146,670
DESIGN FOR A TRAY FOR SMOKING PIPES

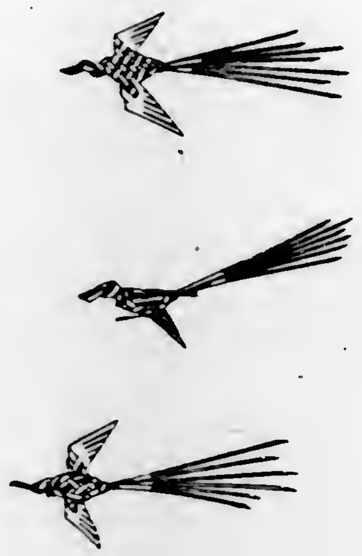
Joseph J. Magnelli and Louis Mone, Columbus, Ohio
Application April 26, 1946, Serial No. 128,993
Term of patent 3½ years
(Cl. D85—8)



The ornamental design for a tray for smoking pipes, substantially as shown.

146,671
DESIGN FOR A PIN OR SIMILAR ARTICLE

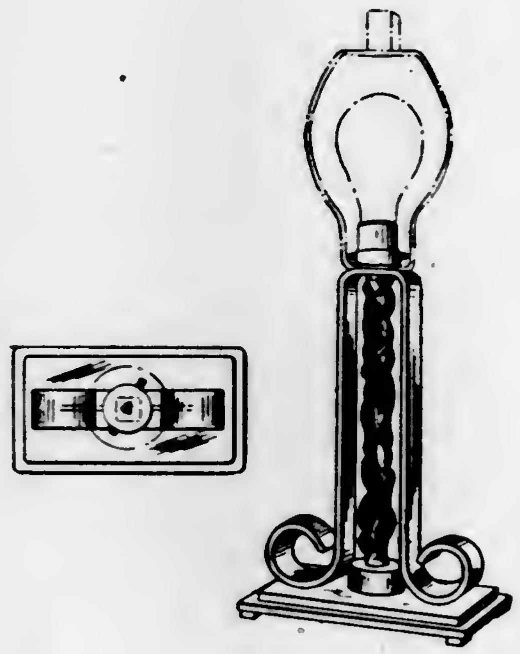
Roslyn S. Mason and Thelma Cain, Great Neck, N. Y.
Application January 29, 1946, Serial No. 126,072
Term of patent 3½ years
(Cl. D45—19)



The ornamental design for a pin or similar article, substantially as shown.

146,672
DESIGN FOR A LAMP STAND

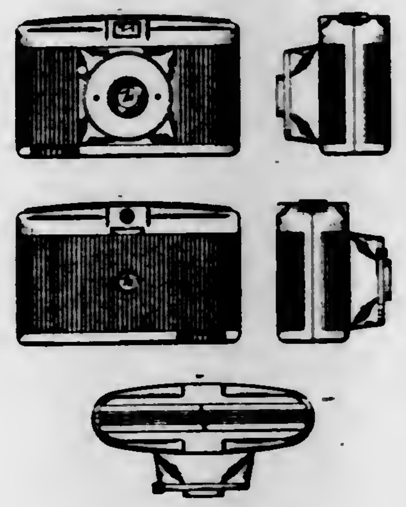
Simon Matzner, New York, N. Y.
Application November 19, 1945, Serial No. 123,897
Term of patent 3½ years
(Cl. D48—20)



The ornamental design for a lamp stand, as shown and described.

146,673
DESIGN FOR A CASE FOR A CAMERA

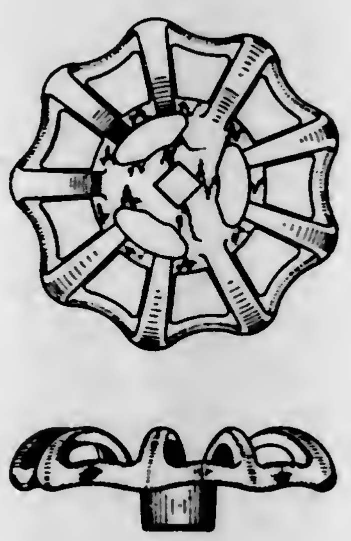
Robert A. May, Merion, Pa., assignor to Bruno Mayer, New York, N. Y.
Application June 18, 1946, Serial No. 130,823
Term of patent 14 years
(Cl. D61—1)



The ornamental design for a case for a camera, substantially as shown.

146,674
DESIGN FOR A VALVE HANDWHEEL

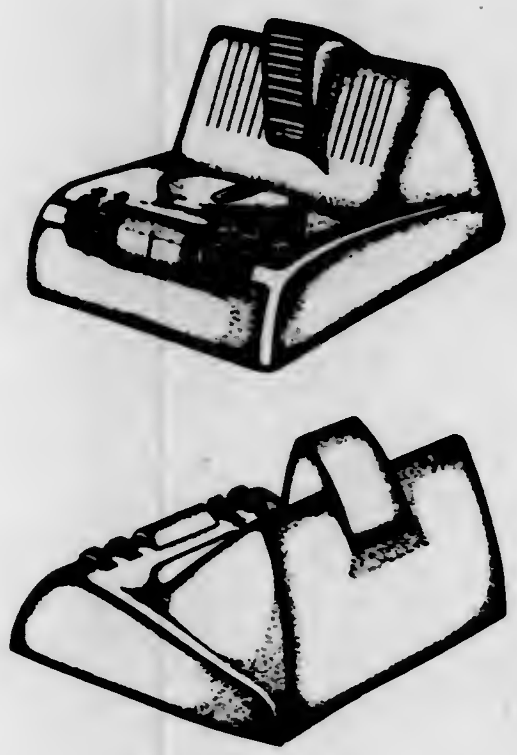
Joseph D. McManus, Hempfield Township, Westmoreland County, and Robert O. Hunt, Greensburg, Pa., assignors to Walworth Patents Inc., Boston, Mass., a corporation of Massachusetts
Application October 23, 1945, Serial No. 123,112
Term of patent 14 years
(Cl. D78—1)



The ornamental design for a valve handwheel, as shown.

146,675
DESIGN FOR A MAGNETIC RECORDER OR SIMILAR ARTICLE

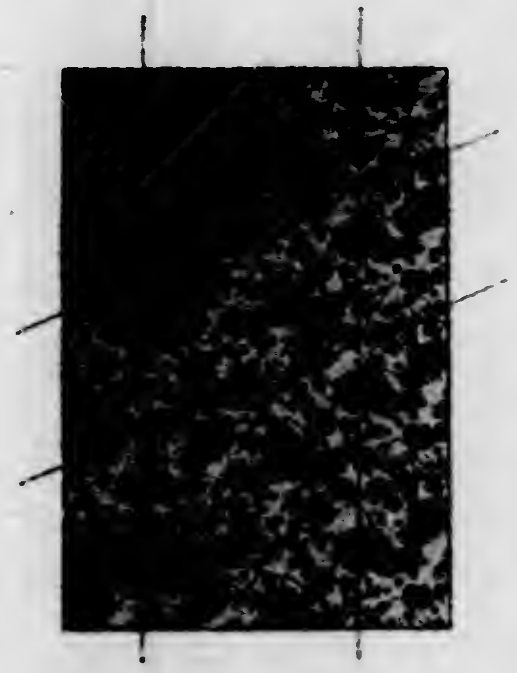
Wendfrey C. Nichols, Chicago, Ill., assignor to Armour Research Foundation, Chicago, Ill., a corporation of Illinois
Application December 8, 1945, Serial No. 124,509
Term of patent 14 years
(Cl. D26—14)



The ornamental design for a magnetic recorder or similar article, as shown and described.

146,676
DESIGN FOR A TEXTILE FABRIC

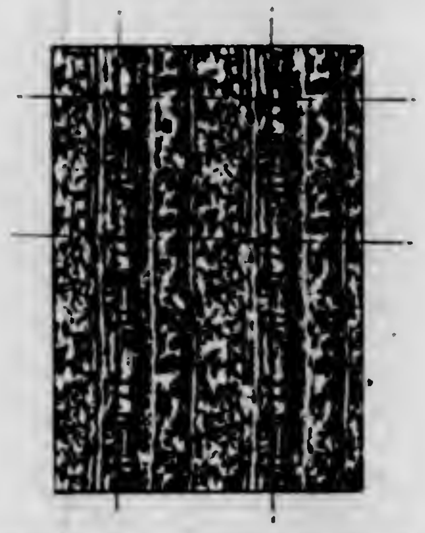
William C. Palmer, Clinton, N. Y.
Application January 16, 1947, Serial No. 136,169
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for a textile fabric, substantially as shown and described.

146,677
DESIGN FOR A TEXTILE FABRIC

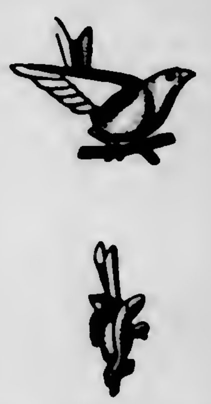
William C. Palmer, Clinton, N. Y.
Application January 18, 1947, Serial No. 136,230
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for a textile fabric, substantially as shown and described.

146,678
DESIGN FOR A LAPEL PIN

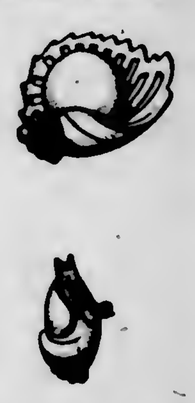
Frederick J. Pearsall, Clayville, R. I., assignor to Imperial Pearl Co., Inc., Providence, R. I., a corporation of Rhode Island
Application May 27, 1946, Serial No. 130,091
Term of patent 3½ years
(Cl. D45—19)



The ornamental design for a lapel pin, as shown.

146,679
DESIGN FOR A LAPEL PIN

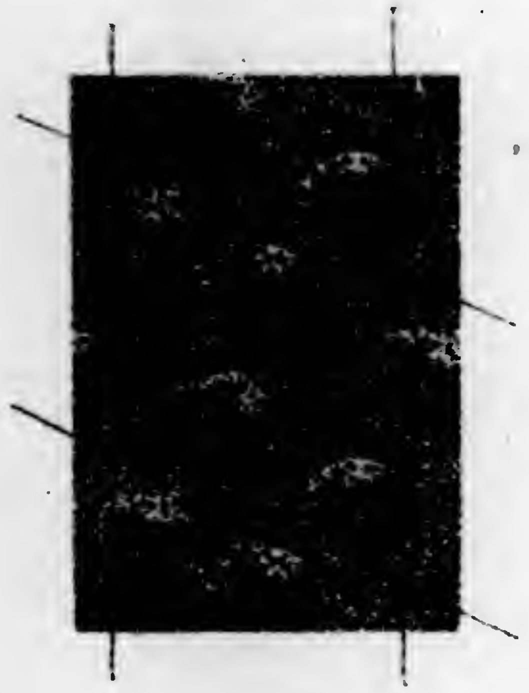
Frederick J. Pearsall, Clayville, R. I., assignor to Imperial Pearl Co., Inc., Providence, R. I., a corporation of Rhode Island
Application May 27, 1946, Serial No. 130,096
Term of patent 3½ years
(Cl. D45—19)



The ornamental design for a lapel pin, as shown.

146,680
DESIGN FOR A TEXTILE FABRIC

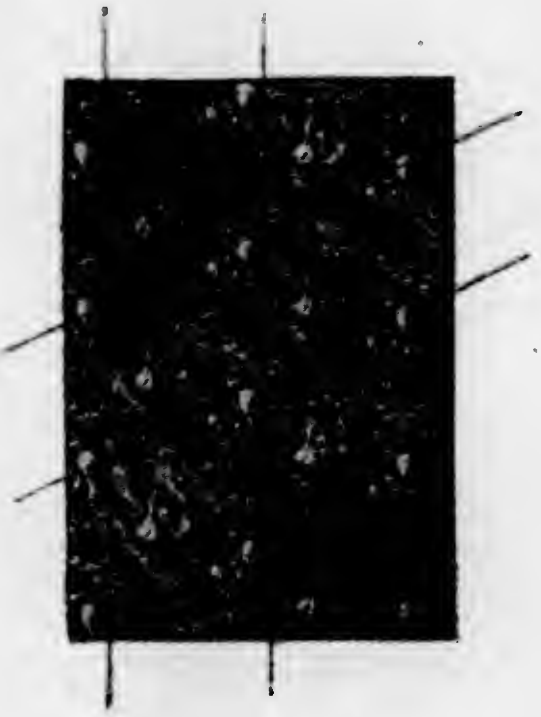
Waldo Peirce, Pomona, N. Y.
Application January 18, 1947, Serial No. 136,243
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for a textile fabric, substantially as shown and described.

146,681
DESIGN FOR A TEXTILE FABRIC

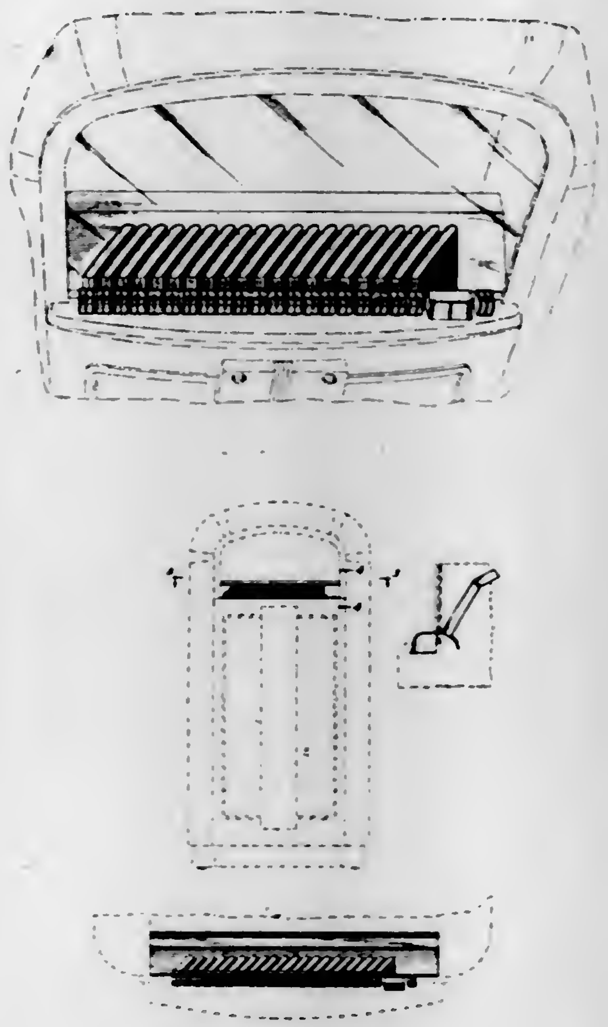
Waldo Peirce, Pomona, N. Y.
Application January 25, 1947, Serial No. 136,429
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for a textile fabric, substantially as shown and described.

146,682
DESIGN FOR A CABINET FOR SOUND REPRODUCING APPARATUS

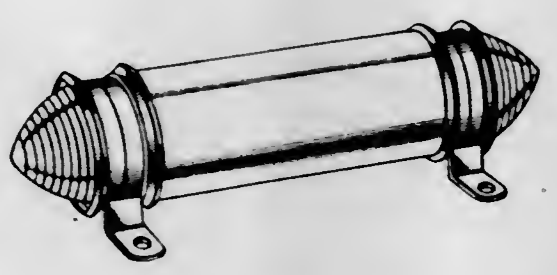
David C. Rockola, Chicago, Ill., assignor, by mesne assignments, to Rock-Ola Manufacturing Corporation, Chicago, Ill., a corporation of Delaware
Application November 16, 1945, Serial No. 123,813
Term of patent 14 years
(Cl. D56—4)



The ornamental design for a cabinet for sound reproducing apparatus, substantially as shown and described.

146,683
DESIGN FOR A ROOF LIGHT FOR MOTOR VEHICLES

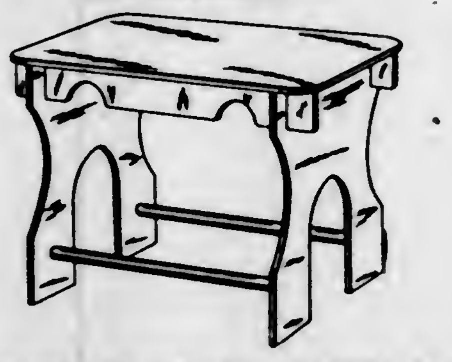
Harold Roeder, Milton, Mass.
Application March 23, 1945, Serial No. 118,648
Term of patent 14 years
(Cl. D48—32)



The ornamental design for a roof light for motor vehicles, substantially as shown.

146,684
DESIGN FOR A TABLE

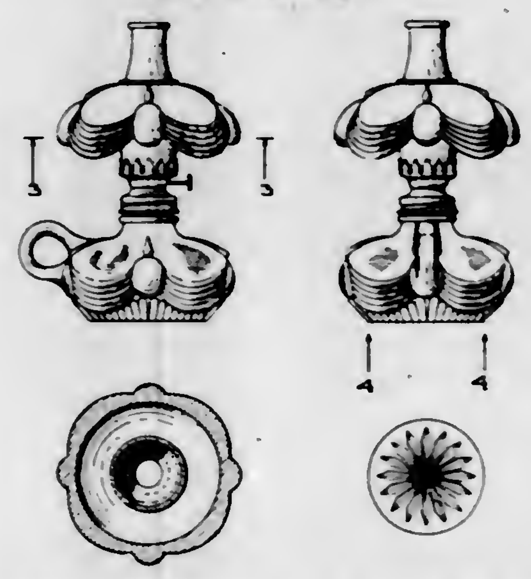
Walter C. Ross, Belleville, Ill.
Application December 29, 1945, Serial No. 125,152
Term of patent 14 years
(Cl. D33—14)



The ornamental design for a table, as shown.

146,685
DESIGN FOR A LAMP

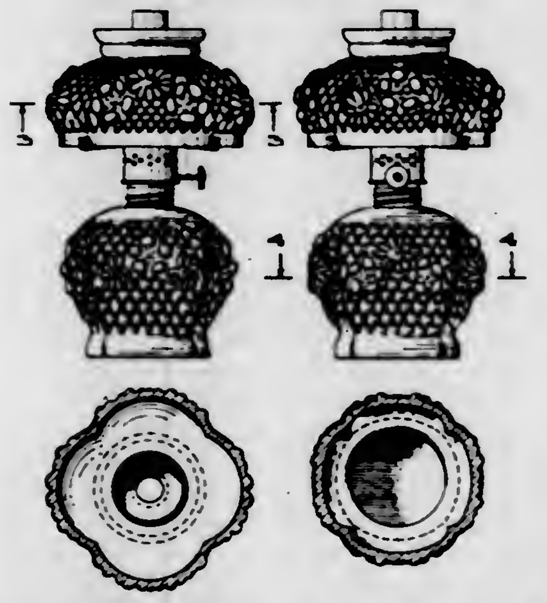
Herbert Rubin, New York, N. Y.
Application Jan. 17, 1946, Serial No. 125,650
Term of patent 14 years
(Cl. D48—20)



The ornamental design for a lamp, as shown.

146,686
DESIGN FOR A LAMP

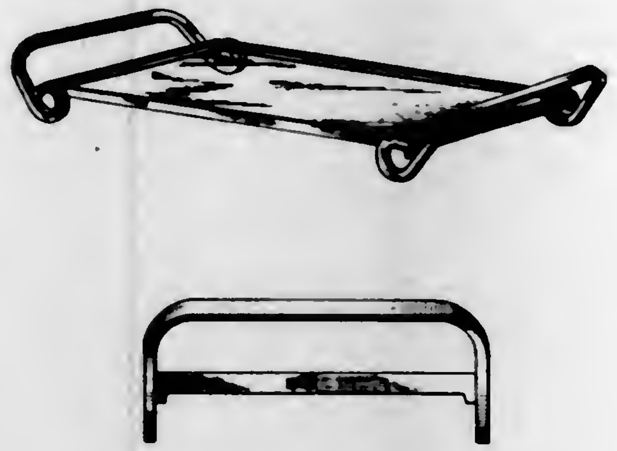
Herbert Rubin, New York, N. Y.
Application January 17, 1946, Serial No. 125,651
Term of patent 14 years
(Cl. D48—20)



The ornamental design for a lamp, as shown.

146,687
DESIGN FOR A TRAY OR SIMILAR ARTICLE

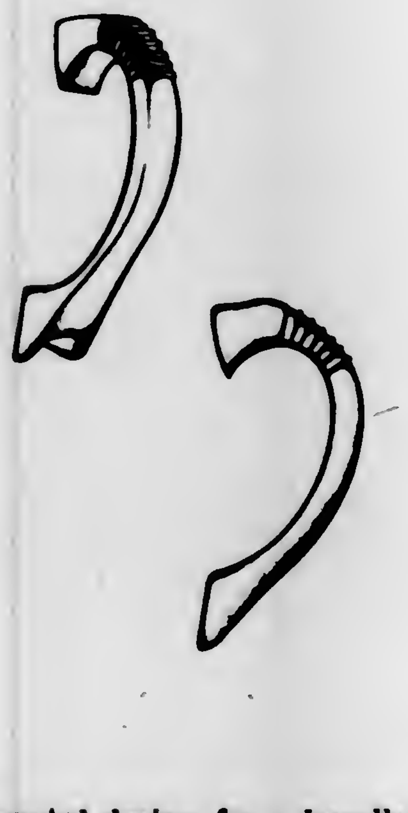
Samuel S. Schmidt, York, Pa., assignor to Grey Iron Casting Company, Mount Joy, Pa., a corporation of Pennsylvania
Application March 26, 1946, Serial No. 127,964
Term of patent 14 years
(Cl. D44—10)



The ornamental design for a tray or similar article, substantially as shown and described.

146,688
DESIGN FOR A HANDLE FOR COFFEE POTS OR THE LIKE

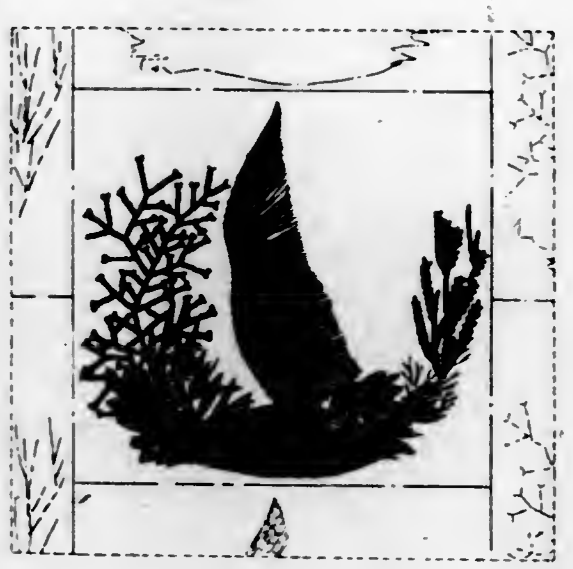
Leland H. Snyder, Chicago, Ill., assignor, by mesne assignments, to Quality Appliances, Inc., Chicago, Ill., a corporation of Illinois
Application February 8, 1946, Serial No. 126,385
Term of patent 14 years
(Cl. D44—26)



The ornamental design for a handle for coffee pots or the like, as shown.

146,689
DESIGN FOR A PLASTIC FILM MATERIAL

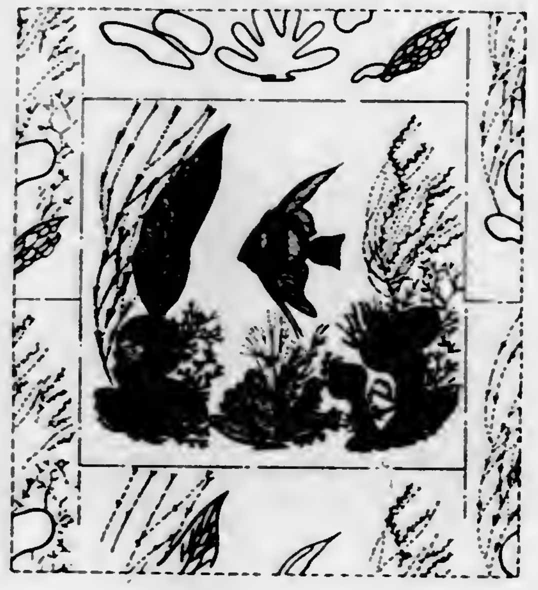
Worthington Hamersley Southwick, New York, N. Y., assignor to Samuel Levy, Brooklyn, N. Y.
Application August 19, 1946, Serial No. 132,654
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for a plastic film material, substantially as shown and described.

146,690
DESIGN FOR A PLASTIC FILM MATERIAL

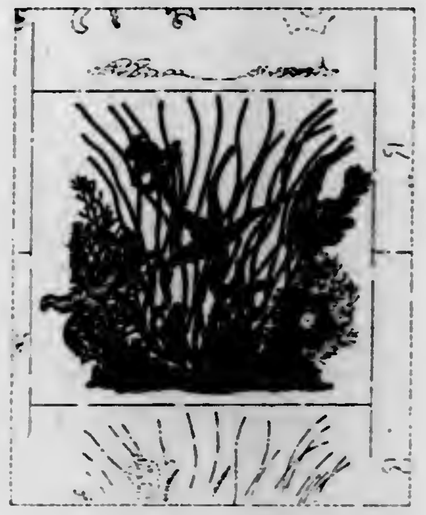
Worthington Hamersley Southwick, New York, N. Y., assignor to Samuel Levy, Brooklyn, N. Y.
Application August 19, 1946, Serial No. 132,655
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for a plastic film material, substantially as shown and described.

146,691
DESIGN FOR A PLASTIC FILM MATERIAL

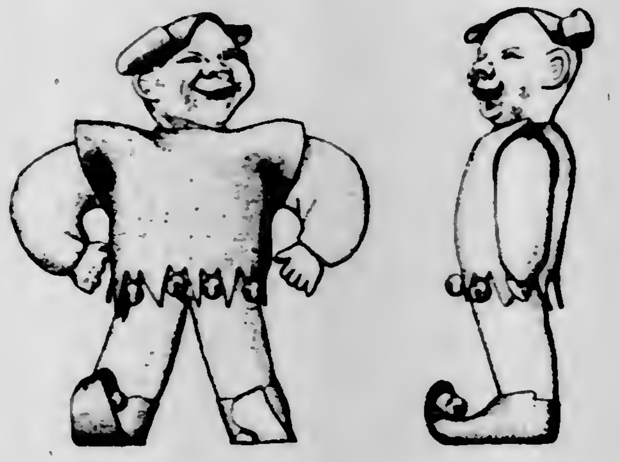
Worthington Hamersley Southwick, New York, N. Y., assignor to Samuel Levy, Brooklyn, N. Y.
Application August 19, 1946, Serial No. 132,656
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for a plastic film material, substantially as shown and described.

146,692
DESIGN FOR A DOLL

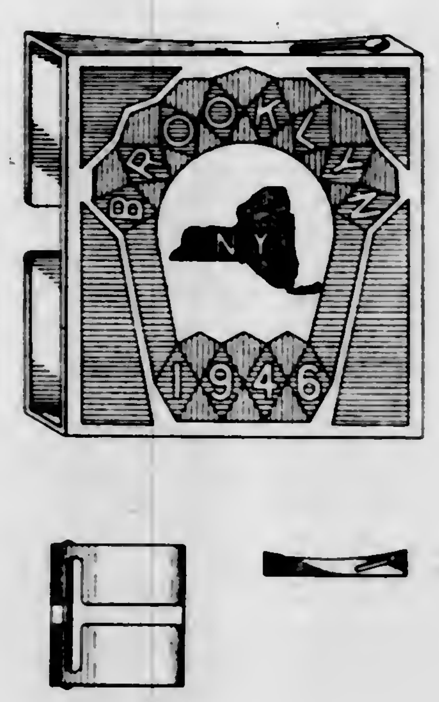
Izetta Stokes, Belmont, Calif.
Application September 18, 1946, Serial No. 133,384
Term of patent 7 years
(Cl. D34—4)



The ornamental design for a doll, substantially as shown.

146,693
DESIGN FOR A BUCKLE

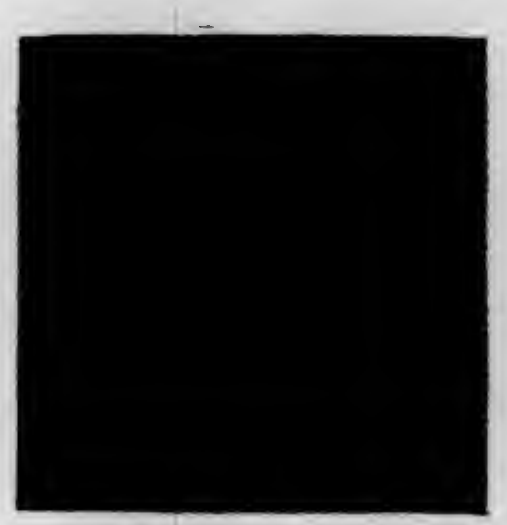
Marty Takata, Belton, Tex.
Application September 6, 1946, Serial No. 133,106
Term of patent 7 years
(Cl. D17—1)



The ornamental design for a buckle, as shown.

146,694
DESIGN FOR A TEXTILE FABRIC

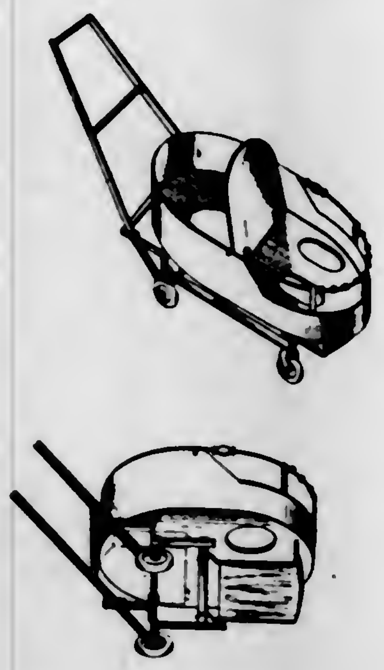
Hans W. Wilde, North Bergen, N. J.
Application December 23, 1946, Serial No. 135,699
Term of patent 7 years
(Cl. D92—1)



The ornamental design for a textile fabric, substantially as shown.

146,695
DESIGN FOR A COMBINATION CHILD'S VEHICLE AND PARCEL CARRIER

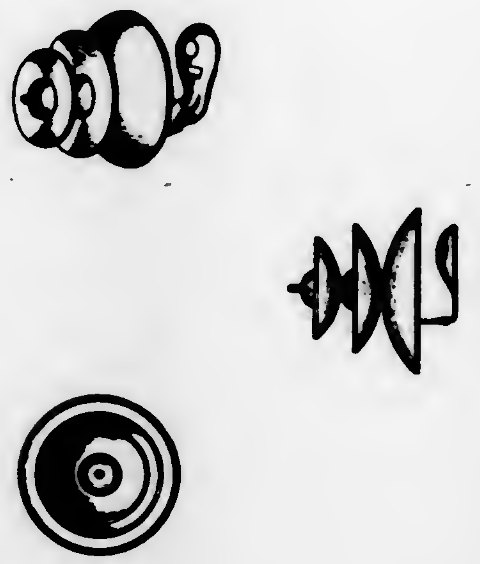
William J. Zepp, Yorktown Village, Md.
Application September 13, 1946, Serial No. 133,297
Term of patent 14 years
(Cl. D14—14)



The ornamental design for a combination child's vehicle and parcel carrier, substantially as shown.

146,696
DESIGN FOR AN EAR CLIP OR SIMILAR ARTICLE

Ernest Zimet, New York, N. Y.
Application June 14, 1946, Serial No. 130,696
Term of patent 3½ years
(Cl. D45—9)



The ornamental design for an ear clip or similar article, substantially as shown.

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

W. AVERELL HARRIMAN, *Secretary*

U. S. Patent Office

CASPER W. OOMS, *Commissioner*

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Contents

Page
Issue of April 29, 1947 599
Patents Expiring 599
Applications Under Examination 600
Decisions of the U. S. Courts
In re Megow et al. 601
In re Storsand 602
Patent Suits 605
Notices
Adjudicated Patents. 606
Disclaimers. 606
Interference Notice 606
Examination 606
Register of Patents Available for Licensing or Sale 606
Bulletin of Decisions of Patent Office on Trade-Marks 609
Trade-Marks Published (156 Applications) 613
Trade-Mark Registrations Granted 633
Trade-Mark Registrations Renewed 648
Reissues 653
Patents Granted 655
Designs 758

April 29, 1947

Trade-Marks	287	—No. 429,239 to No. 429,525, inclusive
T. M. Renewals. . . .	78	
Reissues	3	—No. 22,872 to No. 22,874, inclusive
Patents	411	—No. 2,419,522 to No. 2,419,932, inclusive
Designs	36	—No. 146,697 to No. 146,732, inclusive
Total	815	

Patents expiring: Patent Numbers 1,756,013 to 1,756,929, inclusive, issued April 29, 1930, expire April 29, 1947

Condition of Applications Under Examination at Close of Business April 11, 1947

(Total number of applications awaiting action, excluding Trade-Mark Division, 144,797; Trade-Mark Division, 12,839. Oldest new case, July 9, 1945; oldest amended, July 19, 1945.)
(The dates given are 1945 except where * indicates 1946.)

DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS	Oldest new application and oldest action by applicant awaiting office action		No. of applications awaiting action
	New	Amended	
1. GOLDBERG, A. J., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	Sept. 5	Nov. 26	2858
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	Oct. 15	Oct. 19	3532
3. SCHIMMEL, J., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	Nov. 5	Oct. 6	2029
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Package and Article Carriers; Pneumatic Dispatch; Store Service; Mining, Quarrying, and Ice Harvesting.	Nov. 13	Nov. 27	2857
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	July 9	July 25	4328
6. BYERS, J. H., Acting. Carbon Chemistry (part)	*Feb. 11	*Feb. 25	1966
7. HANLIN, GEORGE, Optics, Photography	*Apr. 4	*Apr. 4	1975
8. IMUS, A. E., Furniture; Kitchen and Table Articles; Racks and Cabinets	Nov. 5	Nov. 27	3617
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	Oct. 3	Sept. 10	2226
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Modulators.	Dec. 17	Dec. 29	1454
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	*July 16	*July 27	818
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	Dec. 3	Nov. 30	2677
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	Aug. 2	Sept. 5	2259
14. FREEHOF, H. B., Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	*Jan. 11	Nov. 15	1443
15. HENKIN, B., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Heterocyclic Compounds (part); Plastics.	Dec. 7	*Mar. 8	1319
16. LOVEWELL, N. N., Telegraphy; Telephony	*Feb. 23	*Feb. 29	1284
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	*Jan. 3	Nov. 16	1314
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	Aug. 23	Aug. 30	1851
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	*Jan. 31	*Jan. 19	1805
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	Oct. 3	Oct. 12	2186
21. THOMPSON, T. J., Textiles	*June 18	*July 18	905
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Nov. 30	Nov. 30	1928
23. LEWIS, J. B., Cash Registers; Calculators (part)	Dec. 21	*Feb. 15	248
24. LUSBY, CHARLES. Apparel; Apparel Apparatus; Sewing Machines	*Aug. 7	*Aug. 6	1612
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Oct. 5	Nov. 26	1742
26. YOUNG, R. R., Electricity—Generation and Motive Power	Nov. 15	Nov. 26	2173
27. JAMES, S., Brushing, Scrubbing; Fluid Treatment of Textiles (Apparatus); Liquid Treatment of Solids; General Cleaning; Ironing; Brush, Broom and Mop Making.	Dec. 7	Dec. 10	2390
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons	Oct. 29	Aug. 6	1588
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools	Sept. 28	*Jan. 8	2607
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	*Jan. 4	*Jan. 3	2479
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	*Oct. 14	*Oct. 10	697
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Dec. 8	Dec. 10	2409
33. KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	Oct. 18	Oct. 15	3621
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators	Dec. 29	Dec. 28	1366
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Dec. 4	*Jan. 23	2302
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	Aug. 24	Sept. 28	1885
37. WEAVER, M. E., Electricity. Circuit Makers and Breakers	*Jan. 14	*Jan. 17	1614
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part); Rubber (part); Ornamentation	*Feb. 16	*Jan. 2	1400
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	Aug. 27	Aug. 21	2612
40. DRUMMOND, E. J., Receptacles (part); Packages	*Jan. 11	*Jan. 4	2796
41. HERTZ, M., Typewriting Machines; Recorders; Counters, Calculators (part); Check-controlled Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles.	Aug. 20	Nov. 2	927
42. MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters	*May 1	*May 18	1044
43. STONE, I. G., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	*Apr. 30	*Feb. 1	1094
44. HARVEY, L. P., Refrigeration; Preserving	Aug. 23	Aug. 27	1381
45. LISANN, I., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Spring, Weight and Horsepower Motors.	Oct. 17	Sept. 20	2440
46. MUSHAKE, W. I., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	*Jan. 24	*Jan. 26	1709
47. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	*Feb. 6	*Jan. 12	2835
48. BERNSTEIN, S., Electricity, General Applications; Electric Igniters	Oct. 10	Oct. 10	1965
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	*Jan. 26	Dec. 29	1562
50. LEVIN, SAMUEL, Synthetic Resins	*Feb. 13	*Feb. 13	2570
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae).	Nov. 29	Nov. 27	2131
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	*Mar. 1	*Jan. 5	3313
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	Aug. 1	July 19	4291
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	Dec. 7	Dec. 21	2154
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	Oct. 4	Oct. 30	1872
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	*Feb. 2	*Jan. 30	1484
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Oct. 1	Dec. 14	3091
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	*Feb. 19	*Feb. 28	1378
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part)	Sept. 24	Sept. 27	2098
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	Oct. 23	*Jan. 21	1997
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys and Ships.	Nov. 15	Nov. 10	2717
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	Aug. 17	Aug. 17	4075
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	Nov. 20	Oct. 24	2077
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	*Oct. 8	*Oct. 12	1207
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	Sept. 24	Sept. 28	2280
TRADE-MARKS: MERCHANT, J. H.	*Apr. 25	*Oct. 23	12839
DESIGNS: BREHM, G. L., Acting	*Jan. 18	*Oct. 23	8924

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Abbott Laboratories, North Chicago, Ill. Implements used by physicians and surgeons. Serial No. 514,874; Apr. 29. Class 44.

Academy Award Products, Inc., New York, N. Y. Smokers' pipes, and cigar and cigarette holders. Serial No. 500,343; Apr. 29. Class 8.

Aero-Kite Co.: *See*—
  Litberg, Morris B.

Affiliated Products, Inc., New York, N. Y. Soap. Serial No. 505,675; Apr. 29. Class 4.

American Cone & Pretzel Company, Philadelphia, Pa. Pretzels. Serial Nos. 506,852–3; Apr. 29. Class 46.

American Distilling & Manufacturing Co.: *See*—
  Blankenbiller, Harold C.

American Seating Company, Grand Rapids, Mich. Classroom furniture. Serial No. 508,639; Apr. 29. Class 32.

Archie Comic Publications, Inc., New York, N. Y., and St. Louis, Mo. Magazine. Serial No. 506,083; Apr. 29. Class 38.

Atomic Lighters Company, New York, N. Y. Pyrophoric lighters. Serial No. 489,784; Apr. 29. Class 34.

Automatic Canteen Company of America, Chicago, Ill. Sandwiches. Serial No. 508,508; Apr. 29. Class 46.

B & W Fruit Company, Inc., Groveland, Fla. Canned citrus juices. Serial No. 505,382; Apr. 29. Class 46.

Baker, Joseph E., Newark, Ohio. Table place mats, bath tub mats, kitchen sink mats, etc. Serial No. 499,195; Apr. 29. Class 50.

Bal-Dart Incorporated, Detroit, Mich. Oleous insulation in liquid form. Serial No. 508,832; Apr. 29. Class 21.

Basca Manufacturing Co., Inc., Indianapolis, Ind. Milk bottle caps. Serial No. 499,196; Apr. 29. Class 50.

Bates & Klinke, Inc., Attleboro, Mass. Jewelry. Serial No. 509,327; Apr. 29. Class 28.

Bates Manufacturing Company, The, Orange, N. J. Index devices. Serial No. 503,491; Apr. 29. Class 37.

Berdan, John T., doing business as Drought Products, La Mirada, Calif. Water-proofing chemical. Serial No. 500,792; Apr. 29. Class 6.

Berland, Joseph, New York, N. Y. Finger rings. Serial No. 495,533; Apr. 29. Class 28.

Blankenbiller, Harold C., doing business as American Distilling & Manufacturing Co., East Hampton, Conn. Witch hazel. Serial No. 501,043; Apr. 29. Class 6.

Bleu Blanc Rouge Publications, Inc., New York, N. Y. Magazine. Serial No. 505,728; Apr. 29. Class 38.

Brinkhaus, H. A., & Sons: *See*—
  Brinkhaus, Richard A.

Brinkhaus, Richard A., doing business as H. A. Brinkhaus & Sons, Louisville, Ky. Traveling bags, suitcases, brief cases and trunks. Serial No. 513,023; Apr. 29. Class 3.

Brownie's Blockprints, Inc., New York, N. Y. Greeting cards. Serial No. 499,041; Apr. 29. Class 38.

Bullard Company, The, Bridgeport, Conn. Machine tool. Serial No. 496,884; Apr. 29. Class 23.

Business News Publishing Company, Detroit, Mich. Printed books. Serial No. 506,003; Apr. 29. Class 38.

California Spray-Chemical Corporation, Wilmington, Del., and Richmond, Calif. Parasiticides. Serial No. 500,279; Apr. 29. Class 6.

California Spray-Chemical Corporation, Wilmington, Del., and Richmond, Calif. Fertilizers. Serial No. 505,684; Apr. 29. Class 10.

Camco Products Inc., New York, N. Y. Portable electric table ranges. Serial No. 505,484; Apr. 29. Class 21.

Canton Springs Ginger Ale Co., Canton, Conn. Non-alcoholic maltless beverage. Serial No. 507,369; Apr. 29. Class 45.

Challifoux, Y. H., doing business as Hiya Beverages, Chicago, Ill. Nonalcoholic, noncereal, maltless, carbonated and noncarbonated beverages. Serial No. 506,642; Apr. 29. Class 45.

Chicago Flexible Shaft Company, Chicago, Ill., now by change of name to Sunbeam Corporation. Lawn sprinklers. Serial No. 488,192; Apr. 29. Class 13.

Chicago Flexible Shaft Company, Chicago, Ill., now by change of name to Sunbeam Corporation. Receptacles for household use. Serial No. 488,198; Apr. 29. Class 13.

Christina, Vincent, & Company, Inc., New York, N. Y. Medicinal preparation. Serial No. 502,559; Apr. 29. Class 6.

Clark, D. L., Company, The, Pittsburgh, Pa. Confection consisting of popcorn, peanuts, molasses, and sugar. Serial No. 505,185; Apr. 29. Class 46.

Clark, Louis H., New York, N. Y. Suitcases. Serial No. 513,499; Apr. 29. Class 3.

Clayborne Manufacturing Company, Chicago, Ill. Dynamometers. Serial No. 508,141; Apr. 29. Class 26.

Cohn, Gustav, New York, N. Y. Slippers. Serial No. 508,100; Apr. 29. Class 39.

Consolidated Cosmetics, Chicago, Ill. Perfume, cologne, face powder, etc. Serial No. 495,131; Apr. 29. Class 6.

Consolidated Cosmetics, Chicago, Ill. Calendars, publications, bulletins, etc. Serial No. 501,441; Apr. 29. Class 38.

Corn Products Refining Company, New York, N. Y. Starch. Serial No. 503,334; Apr. 29. Class 6.

Crusader Candle Co., Brooklyn, N. Y. Candles. Serial No. 502,888; Apr. 29. Class 15.

Curtis, Helene, Industries, a Division of National Industries, Inc., Chicago, Ill., said National Industries, Inc., now by change of name Helene Curtis Industries, Inc. Permanent hair waving supplies. Serial No. 505,396; Apr. 29. Class 6.

Curtis, Helene, Industries, Inc.: *See*—
  Curtis, Helene, Industries.

Da-Da Toys Company: *See*—
  Pelzmann, Alfred.

De Benveniste, S., Paris, France. Eau de cologne, perfumes, face powders, etc. Serial No. 499,118; Apr. 29. Class 6.

De Benveniste, S., Paris, France. Eau de cologne, perfumes, face powders, etc. Serial Nos. 499,121–2; Apr. 29. Class 6.

Deztra, Distributor, Chicago, Ill. Body deodorant cream. Serial No. 501,055; Apr. 29. Class 6.

Disston, Henry, & Sons, Incorporated, Tacony, Pa. Saws, machine knives, paper knives, etc. Serial No. 493,172; Apr. 29. Class 23.

Disston, Henry, & Sons, Incorporated, Philadelphia, Pa. Saws, saw handles, saw teeth, etc. Serial No. 493,259; Apr. 29. Class 23.

Disston, Henry, & Sons, Incorporated, Philadelphia, Pa. Saws. Serial No. 493,435; Apr. 29. Class 23.

District of Columbia Paper Mills, Inc., Washington, D. C. Blotting paper, box cover paper, cover papers and printing papers. Serial No. 503,504; Apr. 29. Class 37.

Drought Products: *See*—
  Berdan, John T.

Electrical Industries, Inc., Newark, N. J. Electrically heated food warmers and cookers; electrically heated bottle warmers. Serial No. 501,654; Apr. 29. Class 21.

Engel, N., & Company, New York, N. Y. Watches, watch movements and parts of the same. Serial No. 504,102; Apr. 29. Class 27.

Filene's, Wm., Sons Company, Boston, Mass. Suitcases, trunks, travelling bags, and handbags. Serial No. 513,087; Apr. 29. Class 3.

Fine Arts Sterling Silver Company, Philadelphia, Pa. Silver flatware. Serial No. 506,746; Apr. 29. Class 28.

Freit Laboratories, Inc., Jacksonville, Fla. Wood preservative and lubricant. Serial No. 494,319; Apr. 29. Class 15.

Frostorage, assignee: *See*—
  Rench, L.

G. R. M. C. Company, doing business as Grand Rapids Metal Cabinet Company, Grand Rapids, Mich. Knock down steel cabinets. Serial No. 497,600; Apr. 29. Class 32.

General Linen Company, New York, N. Y. Table cloths, sheets, and pillow cases. Serial No. 493,544; Apr. 29. Class 42.

Gobrecht, Robert H., Mountainville, N. Y. Photographs. Serial No. 506,376; Apr. 29. Class 38.

Golden Rule Company, Dallas, Tex. Cloth and textile piece goods. Serial No. 487,323; Apr. 29. Class 42.

Grand Rapids Metal Cabinet Company: *See*—
  G. R. M. C. Company.

Greene, Mort, Hollywood, Calif. Imitation plastic ice cubes. Serial No. 507,678; Apr. 29. Class 31.

Groves, Frank, doing business as Frank Groves Company, San Francisco, Calif. Asbestos sheet packing, rubber sheet packing, metallic packing, etc. Serial No. 485,411; Apr. 29. Class 35.

Groves, Frank, Company: *See*—
  Groves, Frank.

Gruen Watch Company, The, Time Hill, Cincinnati, Ohio. Watches, watch cases, and watch movements. Serial No. 509,841; Apr. 29. Class 27.

Heyden Chemical Corporation, New York, N. Y. Trimethylolpropane. Serial No. 507,056; Apr. 29. Class 6.

Hieber, William S., doing business as Henri Monet, Atlanta, Ga. Perfumes. Serial No. 508,728; Apr. 29. Class 6.

Hiya Beverages: *See*—
  Challifoux, Y. H.

Hobart Manufacturing Company, The, Troy, Ohio. Band saws for sawing food products. Serial No. 502,580; Apr. 29. Class 23.

Hubinger Company, The, Keokuk, Iowa. Powdered laundry starch. Serial No. 505,302; Apr. 29. Class 6.

Ingram Laboratories, Inc., San Francisco, Calif. Capsules and tablets. Serial No. 504,555; Apr. 29. Class 6.

International Chemical Company, Chicago, Ill. Dry detergent preparation. Serial No. 480,245; Apr. 29. Class 4.

International Paper Company, New York, N. Y. Boxes made of paper board. Serial No. 491,573; Apr. 29. Class 2.

Irvindale Farms, Inc., Atlanta, Ga. Fluid milk and fluid cream. Serial No. 504,673; Apr. 29. Class 46.

Langley Corporation, San Diego, Calif. Instrument for measuring the size and indicating the weight of fish. Serial No. 507,643; Apr. 29. Class 26.

Langley Corporation, San Diego, Calif. Fishing reels. Serial No. 514,048; Apr. 29. Class 22.

Lawrence Mfg., Inc., Providence, R. I. Jewelry. Serial No. 504,185; Apr. 29. Class 28.

Lazy Ike Bait Co., Preston, Minn. Fish lures. Serial No. 505,965; Apr. 29. Class 22.

Lefkowitz, Louis, & Bro., Inc., New Brunswick, N. J. Camera cases. Serial No. 499,500; Apr. 29. Class 26.

Lilly, Eli, and Company, Indianapolis, Ind. Medicinal preparations. Serial No. 499,250; Apr. 29. Class 6.

Lilly, Eli, and Company, Indianapolis, Ind. Medicinal preparation. Serial No. 504,624; Apr. 29. Class 6.

Litberg, Morris B., doing business as Aero-Kite Co., Chicago, Ill. Toy kites. Serial No. 501,671; Apr. 29. Class 22.

Lowe, Joe, Corporation, New York, N. Y. Frozen confections and liquid syrups or concentrates. Serial No. 505,426; Apr. 29. Class 46.

Lowe, Joe, Corporation, New York, N. Y. Frozen confections and liquid syrups or concentrates. Serial No. 505,428; Apr. 29. Class 46.

Lynn Umbrella Mfg. Co., Boston, Mass. Umbrellas. Serial No. 492,447; Apr. 29. Class 41.

Magic Foam Sales Corporation, Cincinnati, Ohio. Chemical preparation. Serial No. 488,110; Apr. 29. Class 4.

Maimin, H., Company, Incorporated, New York, N. Y. Cloth-cutting machines. Serial No. 503,656; Apr. 29. Class 23.

Manofsky, Albert E., Detroit, Mich. Whirling toy. Serial No. 498,788; Apr. 29. Class 22.

Mariani, Frank N., Washington Heights, New York, N. Y. Fruit juice squeezers. Serial No. 507,010; Apr. 29. Class 23.

Marlin Firearms Company, The, New Haven, Conn. Razors. Serial No. 509,017; Apr. 29. Class 23.

Martin, Francis E., West Chester, Pa. Bougie and the like containing a compound for treatment of mammary glands. Serial No. 494,455; Apr. 29. Class 6.

Mavco, Inc., New York, N. Y. Compacts. Serial No. 498,296; Apr. 29. Class 2.

McGraw-Hill Publishing Company, Inc., New York, N. Y. News service publication. Serial No. 498,297; Apr. 29. Class 38.

McKee, Joseph B., doing business as Multi Mfg. Co., Los Angeles, Calif. Babies' toy rattles. Serial No. 514,614; Apr. 29. Class 22.

McNaught Syndicate, Inc., The, New York, N. Y. Comic strip. Serial No. 506,248; Apr. 29. Class 38.

Meredith Publishing Company, Des Moines, Iowa. Magazine section, architectural plans, and pamphlets. Serial No. 500,684; Apr. 29. Class 38.

Mernit, Ralph, Inc., New York, N. Y. Compound for detarnishing silver. Serial No. 494,914; Apr. 29. Class 4.

Metro Toy Company, New York, N. Y. Toys. Serial No. 498,708; Apr. 29. Class 22.

Mill & Mine Supply Co., assignor to Mill and Mine Supply Co. Incorporated, Seattle, Wash. Power saws. Serial No. 480,781; Apr. 29. Class 23.

Mill and Mine Supply Co. Incorporated, assignee: *See*—
Mill & Mine Supply Co.

Milprint, Inc., Milwaukee, Wis. Plastic coated printed and unprinted cover paper. Serial No. 499,647; Apr. 29. Class 37.

Monet, Henri: *See*—
Hieber, William S.

Monumental Bowling and Billiard Supply Company, Baltimore, Md. Lacquer for use on bowling alleys. Serial No. 506,182; Apr. 29. Class 16.

Multi Mfg. Co.: *See*—
McKee, Joseph B.

Munsingwear, Inc., Minneapolis, Minn. Women's nightgowns. Serial Nos. 507,210–11; Apr. 29. Class 39.

Murphy, John W., doing business as Murphy Laboratories, assignor to Murphy Laboratories, Inc., Upper Darby, Pa. Shampoo. Serial No. 501,679; Apr. 29. Class 6.

Murphy Laboratories: *See*—
Murphy, John W.

Murphy Laboratories, Inc.: *See*—
Murphy, John W.

National Engineering Products, Inc., Washington, D. C. Non-slip coating material. Serial No. 513,946; Apr. 29. Class 12.

National Industries, Inc.: *See*—
Curtis, Helene, Industries.

National Metal Products Company, Kansas City, Mo. Gasoline driven power mowing machine. Serial No. 506,053; Apr. 29. Class 23.

National Steel Fabric Company, Pittsburgh, Pa. Bracelets. Serial No. 509,440; Apr. 29. Class 28.

Nordberg Manufacturing Company, Milwaukee, Wis. Machines for cleaning track ballast. Serial No. 505,162; Apr. 29. Class 23.

Northwest Machine Works, Oreg. Ltd., Portland, Oreg. Pick-up elevator. Serial No. 494,164; Apr. 29. Class 23.

Norwich Pharmacal Company, The, Norwich, N. Y. Toilet powders and toilet creams, being deodorants, preparations. Serial No. 478,184; Apr. 29. Class 6.

Octo Watches, Inc., New York, N. Y. Watches, clocks, and parts thereof. Serial Nos. 490,076–7; Apr. 29. Class 27.

Oil City Brass Works, The, Beaumont, Tex. Trawler blocks designed for use in the fishing industry. Serial No. 506,890; Apr. 29. Class 23.

Parents' Institute, Inc., The, assignor to Sweet Sixteen, Inc., New York, N. Y. Magazine. Serial No. 498,026; Apr. 29. Class 38.

Patented Appliances Incorporated, Saybrook, Conn. Food patty forming machine. Serial No. 495,983; Apr. 29. Class 23.

Patons & Baldwins Limited, Halifax, Yorkshire, England. Knitted wool outer and under garments. Serial No. 479,722; Apr. 29. Class 39.

Pelzmann, Alfred, doing business as Da-Da Toys Company, Chicago, Ill. Balancing animal toys. Serial No. 496,265; Apr. 29. Class 22.

Peters, Henry G., Los Angeles, Calif. Drain pipe cleaner. Serial No. 506,260; Apr. 29. Class 23.

Peterson, Charles A., Company, The, Cleveland, Ohio. Shelled edible nuts; raw or salted. Serial No. 488,927; Apr. 29. Class 46.

Pittsburgh Plate Glass Company, Pittsburgh, Pa. Liquid and paste paints, paint primers, paint enamels, etc. Serial Nos. 506,198–200; Apr. 29. Class 16.

Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Garden hoes, garden rakes, garden sprayers, etc. Serial No. 488,425; Apr. 29. Class 23.

Poloron Products, Inc., New Rochelle, N. Y. Insulated picnic jugs and insulated picnic boxes. Serial No. 499,007; Apr. 29. Class 2.

Prince, Harry, doing business as Royal Chemical Products Co., Troy, N. Y. Mothproofing composition. Serial No. 502,328; Apr. 29. Class 6.

Reiss-Premier Corporation, The, West New York, N. Y. Smokers' pipes, cigar and cigarette holders. Serial No. 506,345; Apr. 29. Class 8.

Rench, L., assignor to Frostorage, Oakland, Calif. Paper bags. Serial No. 485,603; Apr. 29. Class 2.

Richmond Metal and Plastics Corporation, Philadelphia, Pa. Exhaust gas deflectors. Serial No. 508,547; Apr. 29. Class 23.

Rosens, Edmond, Paris, France. Perfumes, toilet waters, rouge, etc. Serial No. 505,014; Apr. 29. Class 6.

Royal Chemical Products Co.: *See*—
Prince, Harry.

Royal Manufacturing Co. of Duquesne, Brooklyn, N. Y., now by change of name to Royal Pharmacal Corporation. Hair oil, skin lotion, lilac lotion, etc. Serial No. 505,240; Apr. 29. Class 6.

Royal Manufacturing Co. of Duquesne, Brooklyn, N. Y., now by change of name to Royal Pharmacal Corporation. Hair oil, lilac lotion, cocoanut oil shampoo, etc. Serial No. 505,241; Apr. 29. Class 6.

Royal Pharmacal Corporation: *See*—
Royal Manufacturing Co. of Duquesne.

Russell, Thomas, doing business as Tuc-Ker-Way Bag Co., Chicago, Ill. Garment bags. Serial No. 514,065; Apr. 29. Class 2.

Salée, Gene, Hollywood, Calif. Liquid and cream makeup. Serial No. 506,772; Apr. 29. Class 6.

Schreiber Milling & Grain Co., St. Joseph, Mo. Dog food. Serial No. 505,524; Apr. 29. Class 46.

Sears, Roebuck and Co., Chicago, Ill. Periodic publication circular. Serial No. 506,207; Apr. 29. Class 38.

Server, Louis M., Los Angeles, Calif. Culottes. Serial No. 509,041; Apr. 29. Class 39.

Sheffield Manufacturing Corp., Newark, N. J. Razor blades. Serial No. 509,105; Apr. 29. Class 23.

Sinclair, John, Limited, Newcastle-on-Tyne, England. Smoking tobacco and cigarettes. Serial No. 501,018; Apr. 29. Class 17.

Society for The Preservation and Encouragement of Barber Shop Quartet Singing in America, Inc., The, Chicago, Ill., and Detroit, Mich. Magazine. Serial No. 504,868; Apr. 29. Class 38.

Sorort Manufacturing Co., Brooklyn, N. Y. Toy banjos, toy violins, and toy xylophones. Serial No. 498,934; Apr. 29. Class 22.

Spalding, A. G., & Bros. Inc., Chicopee, Mass. Baseballs. Serial No. 518,787; Apr. 29. Class 22.

Speidel Corporation, Providence, R. I. Children's jewelry. Serial No. 509, 541; Apr. 29. Class 28.

Star Chemical Company, San Antonio, Tex. Hair shampoo, disinfectant, and deodorant, etc. Serial No. 501,781; Apr. 29. Class 6.

Stephenson, Charles E., New York, N. Y. Costumer or clothes rack. Serial No. 501,026; Apr. 29. Class 32.

Stewart, J Marcus, doing business as Stewart Pharmacal Co., Seffner, Fla. Laxative-purgative. Serial No. 502,167; Apr. 29. Class 6.

Stewart Pharmacal Co.: *See*—
Stewart, J Marcus.

Street, R. R., & Co., Inc., Chicago, Ill. Detergent for use in dry cleaning operations. Serial Nos. 505,864–5; Apr. 29. Class 4.

Sunbeam Corporation: *See*—
Chicago Flexible Shaft Company.

Sweet Sixteen, Inc., assignee: *See*—
Parents' Institute, Inc., The.

Thayer Company, Gardner, Mass. Infants' high chairs and high chair trays. Serial No. 499,924; Apr. 29. Class 32.

Thompson Equipment Co., Madera, Calif. Cattle chute or operating table and cattle dehorning chute, etc. Serial No. 481,345; Apr. 29. Class 23.

Top Frost Foods, Inc., Philadelphia, Pa. Fresh frozen apricots, blackberries, boysenberries, etc. Serial No. 507,762; Apr. 29. Class 46.

Trojan Brush Products, Inc., New York, N. Y. Hair brushes. Serial No. 507,032; Apr. 29. Class 29.

Tuc-Ker-Way Bag Co.: *See*—
Russell, Thomas.

Tuttle, H. W., & Company, Adrian, Mich. Electric broilers and fryers. Serial No. 508,877; Apr. 29. Class 21.

Twinzy Toy Company, Battle Creek, Mich. Dolls and animal toys. Serial No. 494,717; Apr. 29. Class 22.

Union Bag & Paper Corporation, New York, N. Y. Paper bags. Serial No. 499,810; Apr. 29. Class 2.

United Chromium, Incorporated, New York, N. Y. Baking lacquers and air-drying lacquers. Serial No. 499,091; Apr. 29. Class 16.

United Masters, Inc., New York, N. Y. Mechanically grooved phonograph records. Serial No. 503,538; Apr. 29. Class 36.

United States Rubber Company, New York, N. Y. Pneumatic tires and inner tubes. Serial No. 507,948; Apr. 29. Class 35.

Vaughan Motor Company, Portland, Oreg. Electrical apparatus and switch employed in combination with an electric motor. Serial No. 489,093; Apr. 29. Class 21.

Waltham Watch Company, Waltham, Mass. Watches. Serial No. 488,557; Apr. 29. Class 27.

Weil Pump Co., Chicago, Ill. Electric water pumps. Serial No. 506,848; Apr. 29. Class 23.

Winchester Toy Company, Philadelphia, Pa. Combination toys. Serial No. 515,283; Apr. 29. Class 22.

Woolfolk Chemical Works, Ltd., Fort Valley, Ga. Insecticide. Serial No. 506,791; Apr. 29. Class 6.

LIST OF REGISTRANTS OF TRADE-MARKS

Academy Award Products, Inc., New York, N. Y. Clothes wasing, drying and ironing machines and parts thereof. 429,326; Apr. 29; Serial No. 500,351; published Feb. 11, 1947. Class 24.

Academy Award Products, Inc., New York, N. Y. Door, safe, automobile, sash and baggage locks and padlocks. 429,327; Apr. 29; Serial No. 500,441; published Feb. 11, 1947. Class 25.

Academy Award Products, Inc., New York, N. Y. Watches and clocks. 429,328; Apr. 29; Serial No. 500,442; published Feb. 11, 1947. Class 27.

Academy Award Products, Inc., New York, N. Y. Hair, whisk, nail, etc., brushes and household dusters. 429,329; Apr. 29; Serial No. 500,444; published Feb. 11, 1947. Class 29.

Academy Award Products, Inc., New York, N. Y. Canes, umbrellas, parasols, etc. 429,330; Apr. 29; Serial No. 500,451; published Feb. 11, 1947. Class 41.

Adam Hat Stores Inc., New York, N. Y. Men's hats. 429,363; Apr. 29; Serial No. 501,704; published Feb. 11, 1947. Class 39.

Affiliated Products, Inc., New York, N. Y. Lipstick and rouge. 429,432; Apr. 29; Serial No. 503,963; published Feb. 11, 1947. Class 6.

Air Cruisers, Inc., Clifton, N. J. Short, sleeveless, buoyant jackets. 429,491; Apr. 29. Class 22.

Akciova Spolecnost Drive Skodovy Zavedy V Plzni: *See*—
Limited Company formerly The Skoda-Works, Plzen.

Albany Evening Union Company, to The Hearst Corporation, Albany, N. Y. Daily newspaper. 218,919; renewed Oct. 5, 1946. O. G. Apr. 29. Class 38.

Alibi Products, Stratford, Conn. Brassières. 429,260; Apr. 29; Serial No. 486,708; published Dec. 31, 1946. Class 39.

Altshuler, Mortimer, New York, N. Y. Umbrellas and parasols. 429,285; Apr. 29; Serial No. 492,674; published Feb. 11, 1947. Class 41.

Alvin Corporation, The, Providence, R. I. Sterling silver and silverplated flatware, hollowware, and cutlery. 429,403–4; Apr. 29; Serial Nos. 503,036–7; published Feb. 11, 1947. Class 28.

Alvin Corporation, The, Providence, R. I. Sterling silver and silverplated flatware, hollowware, and cutlery. 429,405; Apr. 29; Serial No. 503,040; published Feb. 11, 1947. Class 28.

American Coffee Corporation, to American Coffee Corporation, Hamburg, N. J. Coffee. 224,889; renewed Mar. 8, 1947. O. G. Apr. 29. Class 46.

American Cyanamid Company: *See*—
Lederle Laboratories, Inc.

American Glossite Company, Inc., The, New York, N. Y. Millinery braids. 429,350; Apr. 29; Serial No. 501,151; published Feb. 18, 1947. Class 40.

American Spangle Corp., New York, N. Y. Spangles and sequins. 429,279; Apr. 29; Serial No. 491,609; published Feb. 11, 1947. Class 40.

Anglo Fabrics Company, Inc., New York, N. Y. Woolen and worsted piece goods. 429,378–9; Apr. 29; Serial Nos. 502,102–3; published Feb. 11, 1947. Class 42.

Anglo Fabrics Company, Inc., New York, N. Y. Woolen or worsted piece goods. 429,380; Apr. 29; Serial No. 502,105; published Feb. 11, 1947. Class 42.

Ariston, Inc., Washington, D. C., and Pittsburgh, Pa. Shampoo. 429,484; Apr. 29. Class 6.

Arlé Jewel, Inc., Atlanta, Ga. Jewelry. 429,425; Apr. 29; Serial No. 503,545; published Feb. 11, 1947. Class 28.

Armand Company, The, Des Moines, Iowa. Face powder. 223,895; renewed Feb. 15, 1947. O. G. Apr. 29. Class 6.

Armour and Company, Chicago, Ill. High molecular weight amine acetate products. 429,342; Apr. 29; Serial No. 500,924; published Feb. 11, 1947. Class 6.

Armour and Company, Chicago, Ill. High molecular weight amine products. 429,343; Apr. 29; Serial No. 500,925; published Feb. 11, 1947. Class 6.

Armour and Company, Chicago, Ill. High molecular weight amide products. 429,344; Apr. 29; Serial No. 500,926; published Feb. 11, 1947. Class 6.

Armour and Company, Chicago, Ill. Ore flotation reagents. 429,345; Apr. 29; Serial No. 500,927; published Feb. 11, 1947. Class 6.

Armour and Company, Chicago, Ill. High molecular weight ketone products. No. 429,346; Apr. 29; Serial No. 500,928; published Feb. 11, 1947. Class 6.

Armour and Company, Chicago, Ill. High molecular weight nitrile products. No. 429,347; Apr. 29; Serial No. 500,930; published Feb. 11, 1947. Class 6.

Armour and Company, Chicago, Ill. Quaternary ammonium compounds. 429,348; Apr. 29; Serial No. 500,931; published Feb. 11, 1947. Class 6.

Ash Products Company: *See*—
Krown, Charles.

Ashbrook, Ruth, Bakeries: *See*—
Stiles, Le Conie.

Associated Bag & Apron Co., Chicago, Ill. Clothing protectors. 429,270; Apr. 29; Serial No. 490,519; published Feb. 11, 1947. Class 39.

Associated Products, Inc., Chicago, Ill. Ornamental pins, brooches, earrings, etc. 429,436; Apr. 29; Serial No. 504,418; published Feb. 11, 1947. Class 28.

Atlas Latex Co., Clifton, N. J. Rubber cement. 429,461; Apr. 29; Serial No. 509,814; published Feb. 11, 1947. Class 5.

Atlas Supply Company, Newark, N. J. Storage batteries. 429,438; Apr. 29; Serial No. 504,465; published Feb. 11, 1947. Class 21.

Automatic Burner Corporation, Chicago, Ill. Fuel oil burners. 429,427; Apr. 29; Serial No. 503,695; published Feb. 11, 1947. Class 34.

Automatic Canteen Company of America, Chicago, Ill. Vending machines. 429,240; Apr. 29; Serial No. 466,565; published Feb. 11, 1947. Class 21.

Avon Products, Inc., New York, N. Y. Nail polish. 429,517; Apr. 29. Class 6.

Ayr Scotch Wools, Incorporated, Green's Farms, Conn. Woolen and worsted hand knitting yarns. 429,449; Apr. 29; Serial No. 505,886; published Feb. 11, 1947. Class 43.

Balsam Permanent Wave Co., New York, N. Y. Chemically treated pads. 429,263; Apr. 29; Serial No. 487,759; published Mar. 26, 1946. Class 6.

Balston, Richard J., Springfield Mill, Maidstone, to W. & R. Balston, Limited, Maidstone, England. Writing and drawing papers. 57,014–15; re-renewed Oct. 30, 1946. O. G. Apr. 29. Class 37.

Balston, W. & R., Limited: *See*—
Balston, Richard J.

Banks, Anita C., New York, N. Y. Scalp cream and pressing oil. 429,514; Apr. 29. Class 6.

Barrett Products Co., Philadelphia, Pa. Insecticide. 429,524; Apr. 29. Class 6.

Basic Refractories, Inc., Cleveland, Ohio. Refractory materials suitable for furnace lining and repairing. 429,463; Apr. 29; Serial No. 509,910; published Feb. 11, 1947. Class 12.

Bates, C. J., & Son, Chester, Conn. Crochet hooks and knitting needles. 429,398; Apr. 29; Serial No. 502,618; published Feb. 18, 1947. Class 40.

Bates Manufacturing Company, The, Orange, to The Bates Manufacturing Company, West Orange, N. J. Ink and inking pads. 225,246; renewed Mar. 15, 1947. O. G. Apr. 29. Class 11.

Bensdorp n/v: *See*—
Hollandsche Cacao-en Chocoladefabrieken v/h Bensdorp & Co.

Berger, Herman, doing business as Standard Pharmaceutical Company, New York, N. Y. Preparations for use as an expectorant and for the treatment of bronchitis. 429,276; Apr. 29; Serial No. 491,309; published Jan. 14, 1947. Class 6.

Bergère, Inc., New York, N. Y. Toilet water. 429,423; Apr. 29; Serial No. 503,494; published Feb. 4, 1947. Class 6.

Blakesley-Tuttle Stove Co., to Security Manufacturing Co., Kansas City, Mo. Heating and cooking stoves and ranges. 58,213; re-renewed Dec. 11, 1946. O. G. Apr. 29. Class 34.

Bogen, David, Company, Inc., New York, N. Y. Sound equipment. 429,247; Apr. 29; Serial No. 478,107; published Feb. 4, 1947. Class 21.

Boilerine, Limited, London, England. Compound for preventing and disuniting incrustation formed from water heated in boilers, etc. 218,709; renewed Oct. 5, 1946. O. G. Apr. 29. Class 6.

Bonat, Samuel, & Bro., New York, N. Y. Permanent hair wave lotions. 429,241; Apr. 29; Serial No. 470,403; published June 12, 1945. Class 6.

Brandt Cabinet Works, The, to The Brandt Cabinet Works, Inc., Hagerstown, Md. Library and living-room tables. 209,022; renewed Feb. 16, 1946. O. G. Apr. 29. Class 32.

Brandt Cabinet Works, Inc., The: *See—*
Brandt Cabinet Works.

Briggs, L. G., Raleigh, N. C. Automatically controlled coal burning heat generator for use in curing tobacco. 429,401; Apr. 29; Serial No. 502,684; published Feb. 11, 1947. Class 34.

Bristol-Myers Company, to Bristol-Myers Company, New York, N. Y. Shaving cream. 218,801; renewed Oct. 5, 1946. O. G Apr. 29. Class 4.

Brittains, Limited, Cheddleton, near Leek, England. Tissue paper generally, stereotyping tissues, and copying tissues. 222,998; renewed Jan. 11, 1947. O. G. Apr. 29. Class 37.

Brode, Harry, Flushing, N. Y. Skin astringent, make-up foundation, nail polish, etc. 429,320; Apr. 29; Serial No. 499,481; published Jan. 14, 1947. Class 6.

Brown, Louis C., doing business as Kot-Cha Company, Sasakwa, Okla. Preparation applied externally. 429,351; Apr. 29; Serial No. 501,162; published Feb. 4, 1947. Class 6.

Brunner, Mond & Co., Limited, Winnington, Northwich, to I. C. I. (Alkali), Limited, Buckinghamshire, England. Hydrates, carbonates, and chlorids. 56,887; re-renewed Oct. 23, 1946. O. G. Apr. 29. Class 6.

Buckeye Aluminum Company, The, Wooster, Ohio. Cooking utensils and kitchenware. 218,646; renewed Sept. 28, 1946. O. G. Apr. 29. Class 13.

Buffalo Turbine Agricultural Equipment Co., Inc., Gowanda, N. Y. Agricultural equipment sprayer-dusters. 429,512; Apr. 29. Class 23.

Burton, J. P., Coal Company, The, to The Guaranty Gas Coal Company, Cleveland, Ohio. Coal, carbonized fuel, and coke. 212,097; renewed Apr. 27, 1946. O. G. Apr. 29. Class 1.

Cadet Laboratories: *See—*
Miller, A. John.

Carson Pirie Scott & Company, Chicago, Ill. Babies' knit and woven underwear. 222,042; renewed Dec. 21, 1946. O. G. Apr. 29. Class 39.

Carwood Manufacturing Company, Winder, Ga. Men's and boys' work pants, work shirts, overalls, etc. 429,337; Apr. 29; Serial No. 500,856; published Dec. 31, 1946. Class 39.

Cavalier Custom Products Company: *See—*
Mitter, Laurence J.

Celanese Corporation of America, New York, N. Y. Sheets, films, foils, etc. 429,284; Apr. 29; Serial No. 492,427; published July 2, 1946. Class 1.

Century Glove Company, Newark, N. J. Gloves. 429,331; Apr. 29; Serial No. 500,459; published Feb. 11, 1947. Class 39.

Champagne Paper Corporation, Pisgah Forest, N. C. Paper sheets. 429,281; Apr. 29; Serial No. 492,129; published June 11, 1946. Class 37.

Chapman, A. D., and Company, Inc., Chicago, Ill. Chemical compositions. 429,277; Apr. 29; Serial No. 491,545; published Feb. 11, 1947. Class 6.

Chapman, A. D., and Company, Inc., Chicago, Ill. Chemicals for rendering wood water repellent. 429,278; Apr. 29; Serial No. 491,546; published Jan. 21, 1947. Class 6.

Ciné Pro Corporation, New York, N. Y. Apparatus for testing photographic exposure of a light-sensitive paper. 429,416; Apr. 29; Serial No. 503,158; published Feb. 11, 1947. Class 26.

Claire, M. W., doing business as Marston Company, Jamestown, Ohio. Laxative tablets. 429,481; Apr. 29. Class 6.

Clark Paper & Manufacturing Co., to Clark Stek-O Corporation, Rochester, N. Y. Paste. 57,497; re-renewed Nov. 13, 1946. O. G. Apr. 29. Class 5.

Clark Stek-O Corporation: *See—*
Clark Paper & Manufacturing Co.

Collins, Oliver C., doing business as Topton Rug Mfg. Co., Topton, Pa. Hand-loomed cotton rugs. 429,518; Apr. 29. Class 42.

Collins, Oliver C., doing business as Topton Rug Mfg. Co., Topton, Pa. Braided rugs. 429,519; Apr. 29. Class 42.

Columbia Tool Steel Company: *See—*
Columbia Tool Steel Co.

Columbia Tool Steel Co., Chicago Heights, Ill., to Columbia Tool Steel Company, Chicago, Chicago, Heights, Ill., Detroit, Mich., Cincinnati and Cleveland, Ohio, and Milwaukee, Wis. Tool steel. 58,181; re-renewed Dec. 11, 1946. O. G. Apr. 29. Class 14.

Commanditaire Vennootschap Chemische Fabriek Rids, Ijmuiden, Netherlands. Chemical preparations. 429,308; Apr. 29; Serial No. 497,370; published Jan. 21, 1947. Class 6.

Commercial Products Corporation, Chicago, Ill. Lamp shades. 429,462; Apr. 29; Serial No. 509,627; published Feb. 11, 1947. Class 34.

Consolidated Cosmetics, Chicago, Ill. Perfume, face powder, brilliantine, etc. 429,288; Apr. 29; Serial No. 493,328; published May 14, 1946. Class 6.

Consolidated Cosmetics, Chicago, Ill. Parasols and umbrellas. 429,428; Apr. 29; Serial No. 503,802; published Feb. 18, 1947. Class 41.

Consolidated Cosmetics, Chicago, Ill. Cotton thread, silk thread, and knitting wool. 429,429; Apr. 29; Serial No. 503,803; published Feb. 18, 1947. Class 43.

Consolidated Drug Corporation: *See—*
Spencer, J. W.

Continental Car-Na-Var Corporation: *See—*
Continental Chemical Corporation of Illinois.

Continental Chemical Corporation of Illinois, Watseka, Ill., to Continental Car-Na-Var Corporation, Brazil, Ind. Preparation for cleaning wood, cement tile terrazzo, etc. 223,133; renewed Jan. 18, 1947. O. G. Apr. 29. Class 4.

Coro, Inc., New York, N. Y. Necklaces, bracelets, finger rings, etc. 429,391; Apr. 29; Serial No. 502,494; published Dec. 31, 1946. Class 28.

Coty, Inc., New York, N. Y. Face powder, dusting powder, toilet water, etc. 429,383; Apr. 29; Serial No. 502,277; published Jan. 21, 1947. Class 6.

Countess Mara, Inc., assignee: *See—*
Foster, Babette A.

Crosley Motors, Inc., Cincinnati, Ohio. Internal combustion engines. 429,520; Apr. 29. Class 23.

Cylube Co., The: *See—*
Siteman, Phil L.

Davidson, M. T., Company, Brooklyn, N. Y. Centrifugal pumps. 225,245; renewed Mar. 15, 1947. O. G. Apr. 29. Class 23.

De Heriot, Inc., Los Angeles, Calif. Perfumes, colognes, dusting powder, etc. 429,251; Apr. 29; Serial No. 481,884; published Jan. 14, 1947. Class 6.

Delettrez, Inc., Long Island City, N. Y. Lipstick, rouge, face powder, etc. 429,421; Apr. 29; Serial No. 503,432; published Jan. 21, 1947. Class 6.

Devolite Corporation, New York, N. Y. Photographic sensitized paper and contact printer, and printing frames. 429,439; Apr. 29; Serial No. 504,607; published Feb. 18, 1947. Class 26.

De Vries, Roger, Buenos Aires, Argentina. Dolls. 429,365; Apr. 29; Serial No. 501,832; published Dec. 3, 1946. Class 22.

Di Orio, Frank, doing business as Pina Ton-Ol Waving Process Co., Newark, N. J. Liquified cream. 429,523; Apr. 29. Class 6.

Ditisheim & Cie. Fabriques Vulcain et Volta, La Chaux-de-Fonds, Switzerland. Watches and parts of watches. 429,418; Apr. 29; Serial No. 503,246; published Feb. 11, 1947. Class 27.

Dolcin Corporation, New York, N. Y. Medicinal preparations. 429,323; Apr. 29; Serial No. 499,890; published Jan. 14, 1947. Class 6.

Donna Lo Laboratories, Inc., St. Louis, Mo. Bubble bath. 429,488; Apr. 29. Class 6.

Douglas & Green Inc., New York, N. Y., to Douglas & Green, Ltd., Belfast, Ireland. Handkerchiefs. 217,516; renewed Aug. 31, 1946. O. G. Apr. 29. Class 39.

Douglas & Green, Ltd.: *See—*
Douglas & Green Inc.

Drew, E. F., & Co., Inc., New York, N. Y. Vegetable oils. 429,486; Apr. 29. Class 6.

Drew Pharmacal Co., Inc., New York, N. Y. Antacid-adsorbent preparation. 429,426; Apr. 29; Serial No. 503,560; published Feb. 11, 1947. Class 6.

Dritz, John, & Sons, New York, N. Y. Wool yarn. 429,381; Apr. 29; Serial No. 502,127; published Feb. 11, 1947. Class 43.

Drug Products Co., Inc., The: *See—*
Drug Products Co. Inc., The.

Drug Products Co. Inc., The, Long Island City, to The Drug Products Co., Inc., New York, N. Y. Fat-free digitalis. 218,540; renewed Sept. 28, 1946. O. G. Apr. 29. Class 6.

Drug Products Co. Inc., The, Long Island City, to The Drug Products Co., Inc., New York, N. Y. Purified concentrated ergot solution. 218,541; renewed Sept. 28, 1946. O. G. Apr. 29. Class 6.

Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Gasket and rim cement. 429,471; Apr. 29; Serial No. 513,614; published Feb. 11, 1947. Class 5.

E. & M. Refinishers, Corona, N. Y. Toy guitars. 429,294; Apr. 29; Serial No. 494,315; published Feb. 18, 1947. Class 22.

Eastern Isles Importing Co. Inc., New York, N. Y. Slips, housecoats, blouses, etc. 429,396; Apr. 29; Serial No. 502,565; published Dec. 31, 1946. Class 39.

Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y. Paste, glue, adhesive tape, etc. 429,457; Apr. 29; Serial No. 509,405; published Feb. 11, 1947. Class 5.

Eaton-Clark Company, Detroit, Mich. Water repellent finish and fabric size. 429,334; Apr. 29; Serial No. 500,530; published Feb. 11, 1947. Class 6.

Eby, Harry, Shoe Co., Inc., to Eby Shoe Corporation, Ephrata, Pa. Shoes. 222,581; renewed Jan. 4, 1947. O. G. Apr. 29. Class 39.

Eby Shoe Corporation: *See—*
Eby, Harry, Shoe Co., Inc.

Eckerley, E. L., Hamilton, Ind. Chemical preparation. 429,362; Apr. 29; Serial No. 501,650; published Feb. 4, 1947. Class 6.

Eisenlohr, Otto, & Bros. Incorporated, Philadelphia, Pa., to Webster Tobacco Company, Inc., New York, N. Y. Cigars. 219,805; renewed Oct. 26, 1946. O. G. Apr. 29. Class 17.

Ely & Walker Dry Goods Company, St. Louis, Mo. Sheets, pillowcases, bedspreads, etc. 218,143; renewed Sept. 21, 1946. O. G. Apr. 29. Class 42.

Endo Products Inc., New York, N. Y. Medicinal preparation. 429,332; Apr. 29; Serial No. 500,466; published Feb. 11, 1947. Class 6.

Engel, Fred, doing business as U. S. Specialties Co., New York, N. Y. Combination belt and panty as a protective covering for dogs. 429,447; Apr. 29; Serial No. 505,814; published Feb. 18, 1947. Class 3.

Eureka Springs Water Company, to Richard Thompson, doing business as Eureka Springs Water Company, Eureka Springs, Ark. Certain named soft drinks. 58,855; re-renewed Dec. 25, 1946. O. G. Apr. 29. Class 45.

Fairchester Packing Co., Mamaroneck, N. Y. Fresh tomatoes. 429,475; Apr. 29. Class 46.

Fashion Frocks, Inc., Cincinnati, Ohio. Women's and children's dresses. 224,748; renewed Mar. 1, 1947. O. G. Apr. 29. Class 39.

Faus, Herbert W., New York, N. Y. Heat-evaporative chemical smoke or odor producing or emitting substances and containers therefor, etc. 429,299; Apr. 29; Serial No. 494,742; published Feb. 11, 1947. Class 6.

Federal Machine and Welder Company, The, Warren, Ohio. Electric welding machines. 429,478; Apr. 29. Class 21.

Fellows Medical Manufacturing Company, Inc., New York, N. Y. Preparation for the treatment of rheumatic fever, rheumatoid arthritis, neuralgia, etc. 429,424; Apr. 29; Serial No. 503,509; published Feb. 11, 1947. Class 6.

Filtration Engineers, Incorporated, New York, N. Y. Automatic vacuum filters, automatic sand filters, nonatomizing wash filters, etc. 429,458; Apr. 29; Serial No. 509,648; published Feb. 11, 1947. Class 31.

Flavaroma Tip Company: *See—*
Heiland, William J.

Fort Dodge Laboratories, Inc., Fort Dodge, Iowa. Preparations for the treatment of pneumonia-enteritis in swine. 429,469; Apr. 29; Serial No. 512,407; published Jan. 21, 1947. Class 6.

"42" Products, Ltd., doing business as Windsor House, Ltd., Los Angeles, Calif. Cologne, after shave powder, and after shave lotion. 429,265; Apr. 29; Serial No. 488,808; published July 16, 1946. Class 6.

Foster, Babette A., doing business as Plastic Articles Company, assignor to Countess Mara, Inc., New York, N. Y. Unfilled compacts of plastic material. 429,259; Apr. 29; Serial No. 486,034; published Oct. 2, 1945. Class 2.

Fraser Hair Fashions, St. Paul, Minn. Permanent wave and cold wave curling and hair setting preparation and solution, etc. 429,261; Apr. 29; Serial No. 486,760; published Feb. 11, 1947. Class 6.

Garden City Plating & Manufacturing Co., Chicago, Ill. Certain named articles of hardware. 219,124; renewed Oct. 12, 1946. O. G. Apr. 29. Class 13.

Gelinas, Frank J., Woonsocket, R. I. Porous cementitious articles, cast or molded in hollow forms. 429,282; Apr. 29; Serial No. 492,263; published Feb. 11, 1947. Class 12.

Gelke, Harry, Cincinnati, Ohio. Inflammable liquid fuel for cigar and cigarette lighters. 429,267; Apr. 29; Serial No. 489,508; published Jan. 28, 1947. Class 6.

General Chemical Company, New York, N. Y. Parasiticides. 429,406; Apr. 29; Serial No. 503,075; published Feb. 11, 1947. Class 6.

General Mills Inc.: *See—*
Washburn-Crosby Company.

General Mills, Inc.: *See—*
Washburn Crosby Company.

Gibbons, James, Dublin, Eire. Yarns and thread. 429,435; Apr. 29; Serial No. 504,355; published Feb. 18, 1947. Class 43.

Gilbert, A. C., Company, The: *See—*
Richter, Friedrich A.

Gilbert Shoe Co., The, Thiensville, Wis. Shoes. 429,384; Apr. 29; Serial No. 502,286; published Feb. 11, 1947. Class 39.

Gilvo Chemical Manufacturing Coy. (Gelbard), Melbourne, Victoria, Australia. Eau de cologne. 429,245; Apr. 29; Serial No. 474,377; published Feb. 11, 1947. Class 6.

Golden Arrow Toiletries, New York, N. Y. Face powder, rouge, and lipstick. 429,364; Apr. 29; Serial No. 501,752; published Feb. 4, 1947. Class 6.

Goldwasser Maternity Dresses, Inc., New York, N. Y. Women's dresses. 429,307; Apr. 29; Serial No. 496,957; published Dec. 31, 1946. Class 39.

Gorham Manufacturing Company, Providence, R. I. Sterling silver and silverplated flatware, hollowware, and cutlery. 429,407–8; Apr. 29; Serial Nos. 503,078–9; published Feb. 11, 1947. Class 28.

Gorham Manufacturing Company, Providence, R. I. Sterling silver and silverplated flatware, hollowware, and cutlery. 429,409; Apr. 29; Serial No. 503,084; published Feb. 11, 1947. Class 28.

Gorham Manufacturing Company, Providence, R. I. Sterling silver and silverplated flatware, hollowware, and cutlery. 429,410–11; Apr. 29; Serial Nos. 503,087–8; published Feb. 11, 1947. Class 28.

Grasiano, S., & Co., to Yankee Polish Co., New York, N. Y. Leather-polishing paste, waterproof polish, box-calf polish, etc. 57,591; re-renewed Nov. 13, 1946. O. G. Apr. 29. Class 4.

Green, A. P., Fire Brick Company, Mexico, Mo. High temperature refractory bonding mortar. 429,456; Apr. 29; Serial No. 508,722; published Feb. 11, 1947. Class 12.

Guaranty Gas Coal Company, The: *See—*
Burton, J. P., Coal Company, The.

Haack Bros. Manufacturing Pharmacists, Inc., Portland, Oreg. Tablets, containing certain drugs, for heart ailment. 429,292; Apr. 29; Serial No. 493,869; published Jan. 14, 1947. Class 6.

Hale Bros., Inc., to Nancy Ann Storybook Dolls, Inc., San Francisco, Calif. Toy animals, dolls, puzzles, etc. 217,926; renewed Sept. 14, 1946. O. G. Apr. 29. Class 22.

Hallicrafters Co., The, Chicago, Ill. Radio receiving sets, loud speakers, sound amplifiers, etc. 429,280; Apr. 29; Serial No. 491,973; published Feb. 4, 1947. Class 21.

Harvell, Leona B., doing business as Tessa Lee Cosmetics, Birmingham, Ala. Cleansing creams. 429,502; Apr. 29. Class 6.

Haynes, D. T., Distributing Company, Burdine, Ky. Preparation for the treatment of athlete's foot. 429,293; Apr. 29; Serial No. 494,185; published Feb. 11, 1947. Class 6.

Hearst Corporation, The: *See—*
Albany Evening Union Company.

Hecht Co., The, and also doing business as The Hub, Washington, D. C., and Baltimore, Md., to The Hecht Co., Washington, D. C. Women's and misses' coats, suits, and dresses. 219,684; renewed Oct. 19, 1946. O. G. Apr. 29. Class 39.

Heiland, William J., doing business under the name of Flavaroma Tip Company, New York, N. Y. Filtering tips. 429,295; Apr. 29; Serial No. 494,508; published Feb. 11, 1947. Class 8.

Hercules Powder Company, Wilmington, Del. Active chemical ingredient. 429,325; Apr. 29; Serial No. 500,803; published Feb. 11, 1947. Class 6.

Herff-Jones Company, Indianapolis, Ind. Emblem jewelry. 429,422; Apr. 29; Serial No. 503,443; published Feb. 11, 1947. Class 28.

Heyman Manufacturing Co., Kenilworth, N. J. Strain relief bushings, electrical heater plug contacts, etc. 429,385; Apr. 29; Serial No. 502,295; published Feb. 4, 1947. Class 21.

Hill, Amelia, New York, N. Y. Scalp pomade. 429,476; Apr. 29. Class 6.

Holiman, Don F., doing business as "Leet-Feet" Co., San Antonio, Tex. Preparation for use in the treatment of athlete's foot. 429,480; Apr. 29. Class 6.

Hollandsche Cacao-en Chocoladefabrieken v/h Bensdorp & Co., Amsterdam, Netherlands, to Bensdorp n/v, Bussum, Holland. Cocoa. 190,351; renewed Oct. 14, 1944. O. G. Apr. 29. Class 46.

House Beautiful Curtains Inc., New York, N. Y. Window curtains, drapes, spreads, etc. 429,275; Apr. 29; Serial No. 491,011; published Jan. 14, 1947. Class 42.

Howard, John, Company, Canton, Ohio. Washing bluing powder. 429,489; Apr. 29. Class 6.

Hub, The: *See—*
Hecht Co., The.

I. C. I. (Alkali), Limited: *See—*
Brunner, Mond & Co., Limited.

Ideal Cocoa & Chocolate Company, to Wilbur-Suchard Chocolate Company, Inc., Lititz, Pa. Milk-chocolate wafers. 224,525; renewed Mar. 1, 1947. O. G. Apr. 29. Class 46.

Industrias del Mangle, S. A., Bogota and Buenaventura, Colombia. Spray dried powdered mangrove extract. 429,253; Apr. 29; Serial No. 483,903; published Feb. 11, 1947. Class 6.

Infanta Socks, Inc., Reading, Pa. Polo shirts and hosiery. 429,446; Apr. 29; Serial No. 505,106; published Dec. 31, 1946. Class 39.

Insl-X Company, Inc., The, Brooklyn, N. Y. Insulating paints, varnishes, lacquers, etc. 429,243; Apr. 29; Serial No. 472,005; published Feb. 11, 1947. Class 21.

International Chemicals: *See—*
Thompson, William B.

Internationella Siporex Aktiebolaget, Stockholm, Sweden. Building brick, fire brick, blocks, etc. 429,311; Apr. 29; Serial No. 497,667; published Feb. 11, 1947. Class 12.

Invention Development Corporation, Chicago, Ill. Chemical preparations. 429,301; Apr. 29; Serial No. 495,239; published Feb. 4, 1947. Class 6.

Isaacs, I. C., & Co., Inc., Baltimore, Md. Dungarees and slacks. 429,493; Apr. 29. Class 39.

Jones Brothers Co., Boston, Mass. Memorials. 215,623; renewed July 20, 1946. O. G. Apr. 29. Class 50.

Jowers, Holland & Co. Limited, Leicester, England. Boots, shoes, and slippers. 429,239; Apr. 29; Serial No. 462,506; published Feb. 11, 1947. Class 39.

June and Co., Detroit, Mich. Chemicals. 429,244; Apr. 29; Serial No. 473,604; published Feb. 11, 1947. Class 6.

Kaufman, George G., New York, N. Y. Wrenches. 429,497; Apr. 29. Class 23.

Keebler Weyl Baking Co., Philadelphia, Pa., to United Biscuit Company of America, Chicago, Ill. Cookies, cakes, crackers, etc. 221,594; renewed Dec. 7, 1946. O. G. Apr. 29. Class 46.

Kellogg Switchboard and Supply Company, Chicago, Ill. Extensible electrical cords. 429,503; Apr. 29. Class 21.

Kennerley, Mitchell, New York, N. Y. Paper tissues. 429,287; Apr. 29; Serial No. 493,065; published Feb. 11, 1947. Class 37.

Kennon, J., & Sons Proprietary Limited, Richmond, near Melbourne, Victoria, Australia. Leather, unwrought skins, furs, etc. 213,074; renewed May 18, 1946. O. G. Apr. 29. Class 1.

Kerr, Alex, Bro. & Co. Inc., to Kerr Salt Company, Philadelphia, Pa. Salt. 221,905; renewed Dec. 14, 1946. O. G. Apr. 29. Class 46.

Kerr Salt Company: *See—*
Kerr, Alex, Bro. & Co. Inc.

Kessler Luggage Mfg. Corporation, New York, N. Y. Luggage. 429,504; Apr. 29. Class 3.

King Drug Co., also doing business as Roy T. King, Ph. C., Montgomery, Ala. Vitamin sedative. 429,441; Apr. 29; Serial No. 504,675; published Feb. 11, 1947. Class 6.

King, Roy T., Ph. C.: *See—*
King Drug Co.

Knefler-Bates Company: *See—*
Knefler-Bates Manufacturing Company.

Knefler-Bates Manufacturing Company, to Knefler-Bates Company, Indianapolis, Ind. Cold-water paste. 224,446; renewed Mar. 1, 1947. O. G. Apr. 29. Class 5.

Kohnstamm, H., & Co. Inc., New York, N. Y. Flavoring extracts. 429,492; Apr. 29. Class 46.

Kot-Cha Company: *See—*
Brown, Louis C.

Krown, Charles, doing business as Ash Products Company, Chicago, Ill. Albums, scrap books, guest books, etc. 429,506; Apr. 29. Class 37.

Laird, R. H., Manufacturing Company, Inc., New York, N. Y. Face powder base. 429,490; Apr. 29. Class 6.

Landis Machine Company, Waynesboro, Pa. Collapsible taps, chaser grinding machines, thread grinding machines, etc. 429,522; Apr. 29. Class 23.

Lane, Gordon, Boston, Mass. Toilet preparations. 429,271; Apr. 29; Serial No. 490,539; published Jan. 14, 1947. Class 6.

La Traviata Jewelry Co.: *See—*
Rand, Alma.

Lau, Lapfu, doing business as Lowes Tobacco Co., San Francisco, Calif. Cigarettes. 429,417; Apr. 29; Serial No. 503,208; published Feb. 18, 1947. Class 17.

Lauderback, David, doing business as Monroe Exterminating Company, not Inc., to Monroe Laboratories, Inc., Chicago, Ill. Chemical antiseptic, insecticide, germicide, etc. 219,784; renewed Oct. 26, 1946. O. G. Apr. 29. Class 6.

Lederle Laboratories, Inc., assignor to American Cyanamid Company, New York, N. Y. Choline dihydrogen citrate solution. 429,321; Apr. 29; Serial No. 499,716; published Feb. 4, 1947. Class 6.

Lee, Tessa, Cosmetics: *See—*
Harvell, Leona B.

"Leet-Feet" Co.: *See—*
Hollman, Don F.

Lefkowitz, Louis, & Bro., Inc., New Brunswick, N. J. Camera cases. 429,508; Apr. 29. Class 26.

Lehn & Fink Products Corporation, Bloomfield, N. J. Lipsticks. 429,356; Apr. 29; Serial No. 501,461; published Jan. 14, 1947. Class 6.

Lehn & Fink Products Corporation, Bloomfield, N. J. Lipsticks. 429,430; Apr. 29; Serial No. 503,916; published Jan. 21, 1947. Class 6.

Lektrolite Corporation, New York, N. Y. Cigarette and pipe lighters. 429,437; Apr. 29; Serial No. 504,442; published Feb. 4, 1947. Class 28.

Libbey-Owens-Ford Glass Company, Toledo, Ohio. Resinous chemical composition in liquid and solid form. 429,266; Apr. 29; Serial No. 489,332; published Feb. 11, 1947. Class 6.

Limited Company, formerly The Skodaworks, Plzen: *See—*
Limited Company formerly The Skoda-Works, Plzen.

Limited Company formerly The Skoda-Works, Plzen, Prague-Smichov, Czechoslovakia, to Akciova Spolecnost Drive Skodovy Zavody V Plzni, also named Limited Company, formerly The Skodaworks, Plzen, Praha, Czechoslovakia. Cast-iron and cast-steel by-pass, angle, and slide valves, etc. 221,750; renewed Dec. 7, 1946. O. G. Apr. 29. Class 13.

Lincoln Electronics Corporation, New York, N. Y. Electric phonographs. 429,306; Apr. 29; Serial No. 496,719; published Feb. 11, 1947. Class 21.

Linde Air Products Company, The, New York, N. Y. Nitrogen. 429,389; Apr. 29; Serial No. 502,442; published Feb. 4, 1947. Class 6.

Livingston, Edw., & Sons, Kansas City, Mo. Bactericide. 429,333; Apr. 29; Serial No. 500,478; published Feb. 11, 1947. Class 6.

Lorraine Manufacturing Company, Pawtucket, R. I., and New York, N. Y. Fabrics in the piece, made of cotton, rayon, wool, etc. 429,338; Apr. 29; Serial No. 500,888; published Feb. 11, 1947. Class 42.

Lowes Tobacco Co.: *See—*
Lau, Lapfu.

Lubell Bros., to Lubell Bros., Inc., New York, N. Y. Boys' blouses and waists. 59,704; re-renewed Jan. 15, 1947. O. G. Apr. 29. Class 39.

Lubell Bros., Inc.: *See—*
Lubell Bros.

Ludlow Manufacturing & Sales Co.: *See—*
Smith & Dove Mfg. Co.

Lumin-Aire Manufacturing Co., The, San Antonio, Tex. Door and window awnings composed of metal. 429,453; Apr. 29; Serial No. 508,229; published Feb. 11, 1947. Class 12.

Marie Richelieu Parfum Odesant, Inc., New York, N. Y. Toilet water and perfume. 429,291; Apr. 29; Serial No. 493,515; published Feb. 11, 1947. Class 6.

Marko, L. C., Co.: *See—*
Markowitz, Louis C.

Markowitz, Louis C., doing business as L. C. Marko Co., San Diego, Calif. Pain relieving solution. 429,402; Apr. 29; Serial No. 502,829; published Jan. 28, 1947. Class 6.

Marston Company: *See—*
Claire, M. W.

McCambridge & McCambridge Co., The, Baltimore, Md. Rubbing alcohol compounds. 429,399; Apr. 29; Serial No. 502,651; published Jan. 21, 1947. Class 6.

McKelvy, Alfred D., New York, N. Y. Perfume, cologne, toilet water, etc. 429,314; Apr. 29; Serial No. 498,431; published Feb. 11, 1947. Class 6.

McKesson & Robbins, Incorporated, New York, N. Y. Perfume and toilet water. 429,412; Apr 29; Serial No. 503,110; published Feb. 11, 1947. Class 6.

Michigan Chrome & Chemical Company, Detroit, Mich. Electrical protective coatings. 429,387; Apr. 29; Serial No. 502,313; published Feb. 4, 1947. Class 21.

Midwest Aircraft Products, Inc., Dayton, Ohio. Fishing rod handles. 429,496; Apr. 29. Class 22.

Miller, A. John, doing business as Cadet Laboratories, Worcester, Mass. Deodorant. 429,498; Apr. 29. Class 6.

Miller, Mack, Candle Company, Syracuse, N. Y. Candles. 429,274; Apr. 29; Serial No. 490,953; published Feb. 11, 1947. Class 15.

Mil-Roy Manufacturing Company, Maywood, Calif. Portable ironing boards. 429,444; Apr. 29; Serial No. 504,856; published Feb. 11, 1947. Class 24.

Mimar Products, Inc., Brooklyn, N. Y. Electric room heaters, portable electric fan and heater combinations. 429,392–3; Apr. 29; Serial Nos. 502,525–6; published Feb. 4, 1947. Class 21.

Minnesota Mining & Manufacturing Company: *See—*
Minnesota Mining & Manufacturing Co.

Minnesota Mining & Manufacturing Co., Duluth, to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Corundum, garnet, and emery paper and cloth. 56,397; re-renewed Sept. 18, 1946. O. G. Apr. 29. Class 4.

Miroflex Products Company, Inc., New York, N. Y. Mirror-like tiles which are secured to a backing sheet and which are adapted to be permanently attached to a wall or surface. 429,455; Apr. 29; Serial No. 508,604; published Feb. 11, 1947. Class 12.

Mitter, Laurence J., doing business as Cavalier Custom Products Company, Cincinnati, Ohio. Plastic material. 429,448; Apr. 29; Serial No. 505,849; published Feb. 11, 1947. Class 12.

Moffats Limited, Weston, Ontario, Canada. Portable electric table cookers and heating elements therefor. 429,248; Apr. 29; Serial No. 479,354; published Feb. 11, 1947. Class 21.

Molded Plastic Products, New York, N. Y. Molded umbrella handles. 429,297; Apr. 29; Serial No. 494,696; published Feb. 11, 1947. Class 41.

Monroe Exterminating Company, not Inc.: *See—*
Lauderback, David.

Monroe Laboratories, Inc.: *See—*
Lauderback, David.

Morrall, Abel, Limited, Redditch, England. Toilet-pins and glass-headed pins. 58,432; re-renewed Dec. 18, 1946. O. G. Apr. 29. Class 40.

Morris White Fashions, Inc., New York, N. Y. Ladies' and misses' handbags. 429,525; Apr. 29. Class 3.

Mosler Safe Company, The, Hamilton, Ohio. Safes and safety cabinets. 222,533; renewed Jan. 4, 1947. O. G. Apr. 29. Class 25.

Multi-Facet Diamond Corporation, New York, N. Y. Perfumes. 429,465; Apr. 29; Serial No. 512,081; published Jan. 21, 1947. Class 6.

Muter, Leslie F.: *See—*
Muter, Leslie F., Co.

Muter, Leslie F., Co., to L. F. Muter, Chicago, Ill. Radio supply parts. 224,334; renewed Feb. 22, 1947. O. G. Apr. 29, 1947. Class 21.

Nancy Ann Storybook Dolls, Inc.: *See—*
Hale Bros., Inc.

Nash Engineering Company, South Norwalk, Conn. Gas compressors, vacuum pumps, pump strainers, etc. 219,353; renewed Oct. 19, 1946. O. G. Apr. 29. Class 23.

Nash Engineering Company, South Norwalk, Conn. Turbines, turbine engines, pumps, etc. 219,354; renewed Oct. 19, 1946. O. G. Apr. 29. Class 19.

National Blank Book Company: *See—*
National Blank Book Co.

National Blank Book Co., to National Blank Book Company, Holyoke, Mass. Loose-leaf structures, as ring books, post binders, and ledgers. 225,171; renewed Mar. 15, 1947. O. G. Apr. 29. Class 37.

National Manufacturing Company: *See—*
Rosenbaum, Abraham.

National Sales, Inc., Minneapolis, Minn. Precision optical instruments. 429,372; Apr. 29; Serial No. 502,001; published Feb. 11, 1947. Class 26.

Newark Appliance Corporation, Inc., Newark, N. J. Electric broilers. 429,382; Apr. 29; Serial No. 502,231; published Feb. 11, 1947. Class 21.

New Haven Clock Company, The, assignor to New Haven Clock and Watch Company, New Haven, Conn. Clocks, watches, and parts thereof. 429,352; Apr. 29; Serial No. 501,264; published Feb. 4, 1947. Class 27.

New Haven Clock and Watch Company, assignee: *See—*
New Haven Clock Company, The.

New York Merchandise Co., Inc., New York, N. Y. Shoes. 213,502; renewed June 1, 1946. O. G. Apr. 29. Class 39.

Nicholson-Rogers, Virginia, Memphis, Tenn. Perfumery products and toilet preparations. 429,339–40; Apr. 29; Serial Nos. 500,898–9; published Feb. 11, 1947. Class 6.

Nineteen Hundred Corporation, St. Joseph, Mich. Laundry machines. 429,400; Apr. 29; Serial No. 502,659; published Feb. 11, 1947. Class 24.

North American Fibre Products Company, The, Cleveland, Ohio. Liquid compound. 225,383; renewed Mar. 15, 1947. O. G. Apr. 29. Class 6.

North American Rayon Corporation, New York, N. Y. Thread and yarn. 429,451; Apr. 29; Serial No. 506,190; published Feb. 11, 1947. Class 43.

Norton Company, Worcester, Mass. Abrading, grinding, and lapping machines. 429,505; Apr. 29. Class 23.

Nova Chemical Corporation, New York, N. Y. Dyestuffs and pigment colors. 429,470; Apr. 29; Serial No. 512,528; published Feb. 11, 1947. Class 6.

Oakite Products, Inc., New York, N. Y. Chemical compounds for all cleansing and washing purposes. 429,366; Apr. 29; Serial No. 501,866; published Feb. 11, 1947. Class 6.

Okonite Company, The, Passaic, N. J. Insulating material. 429,360–1; Apr. 29; Serial Nos. 501,586–7; published Feb. 4, 1947. Class 21.

Olympic Instruments Laboratories, Seattle, Wash. Marine speedometers. 429,445; Apr. 29; Serial No. 504,925; published Feb. 18, 1947. Class 26.

Ormont Drug & Chemical Co., Inc., Long Island City, N. Y. Bacteriostatic preparations for the treatment of congestion of membranes of the nose and throat. 429,242; Apr. 29; Serial No. 471,231; published Sept. 26, 1944. Class 6.

Ortho Pharmaceutical Corporation, Linden, N. J. Diaphragm introducers. 429,474; Apr. 29; Serial No. 514,287; published Feb. 18, 1947. Class 44.

P & H Products: *See—*
Paul, Frank W.

Pacific Marine Supply Co., Seattle, Wash. Plated music wire for trolling purposes, linen leader line, rubber trolling tubing, etc. 224,908; renewed Mar. 8, 1947. O. G. Apr. 29. Class 22.

Pacific Union Marbelite Company, Los Angeles, Calif. Reinforced concrete lighting standards, telegraph and telephone poles, and piling. 429,452; Apr. 29; Serial No. 507,214; published Feb. 11, 1947. Class 12.

Palay, S. T., Textile Corporation, New York, N. Y. Fabrics of silk and rayon. 429,269; Apr. 29; Serial No. 489,754; published Oct. 22, 1946. Class 42.

Panoff, Nichola, East Chicago, Ind. Tonic. 429,273; Apr. 29; Serial No. 490,764; published Jan. 14, 1947. Class 6.

Paramount Industries, Inc., New York, N. Y. Portable fluorescent battery operated lights. 429,286; Apr. 29; Serial No. 493,022; published Feb. 11, 1947. Class 21.

Parfait, Incorporated, Chicago, Ill. Creamed cake makeup. 429,357; Apr. 29; Serial No. 501,471; published Jan. 28, 1947. Class 6.

Parfums Barroche, Inc., New York, N. Y. Perfumes. 429,420; Apr. 29; Serial No. 503,384; published Feb. 4, 1947. Class 6.

Parfums Charbert, Inc., New York, N. Y. Perfumes, toilet waters, eau de cologne, etc. 429,485; Apr. 29. Class 6.

Parfums Corday, Inc., New York, N. Y. Perfume, toilet water, bath powder, and cologne. 429,353; Apr. 29; Serial No. 501,335; published Jan. 14, 1947. Class 6.

Parfums Schiaparelli, Inc., New York, N. Y. Perfumes, colognes, toilet waters, etc. 429,283; Apr. 29; Serial No. 492,274; published Jan. 21, 1947. Class 6.

Parkinson Lecourt Company, Inc., New York, N. Y. Bath oil and toilet water. 429,515; Apr. 29. Class 6.

Parsons, Chandler R., doing business as Parsons Chemical Works, Grand Ledge, Mich. Insecticides. 429,272; Apr. 29; Serial No. 490,692; published Feb. 4, 1947. Class 6.

Parsons Chemical Works: *See—*
Parsons, Chandler R.

Pass, Capper, & Son Limited, Bristol, England. Pig and ingot tin. 215,132; renewed July 13, 1946. O. G. Apr. 29. Class 14.

Paul, Frank W., doing business as P & H Products, Memphis, Tenn. Quick drying solvent. 429,316; Apr. 29; Serial No. 499,271; published Jan. 21, 1947. Class 6.

Penney, J. C., Company, Wilmington, Del., and New York, N. Y., to J. C. Penney Company, New York, N. Y. Cotton piece goods, sheets and pillowcases. 220,449; renewed Nov. 9, 1946. O. G. Apr. 29. Class 42.

Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Acids for industrial use. 429,413; Apr. 29; Serial No. 503,118; published Feb. 11, 1947. Class 6.

Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Insecticides. 429,414; Apr. 29; Serial No. 503,119; published Feb. 11, 1947. Class 6.

Perma Products Company, The, Cleveland, Ohio. Fungicidal preparation. 429,507; Apr. 29. Class 6.

Permo Liquid Weld Co.: *See—*
Swenson, Harold R.

Phillips Petroleum Company, Bartlesville, Okla. Naphthas for use as insecticide base oils and as solvent for chamicals, medicines, and pharmaceutical preparations. 429,309; Apr. 29; Serial No. 497,409; published Feb. 11, 1947. Class 6.

Pina Ton-Ol Waving Process Co.: *See—*
Di Orio, Frank.

Pittsburgh Plate Glass Company, Pittsburgh, Pa. Sheet glass products. 429,254; Apr. 29; Serial No. 484,179; published Jan. 7, 1947. Class 33.

Pizzo, Harry, Havre de Grace, Md. Hair tonic. 429,394; Apr. 29; Serial No. 502,531; published Jan. 21, 1947. Class 6.

Plastic Articles Company: *See—*
Foster, Babette A.

Plastic Film Corporation, New York, N. Y. Flexible laminated metal foil and plastic film product. 429,246; Apr. 29; Serial No. 477,162; published Feb. 11, 1947. Class 50.

Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Electrical appliances. 429,264; Apr. 29; Serial No. 488,423; published Feb. 4, 1947. Class 21.

Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Wallpaper, writing paper, note paper, etc. 429,442; Apr. 29; Serial No. 504,698; published Feb. 18, 1947. Class 37.

Polan, Katz & Company, Inc., Baltimore, Md. Umbrellas and covers for umbrellas. 429,450; Apr. 29; Serial No. 506,125; published Feb. 11, 1947. Class 41.

Porcelain Sales Company, Belleville, Ill. Opacifiers for vitreous enamels. 429,355; Apr. 29; Serial No. 501,405; published Feb. 4, 1947. Class 6.

Prater Pulverizer Company, Chicago, Ill. Grinders or pulverizers. 221,915; renewed Dec. 14, 1946. O. G. Apr. 29. Class 23.

Professional Nutrition Products, Inc., New York, N. Y. Laxatives. 429,369; Apr. 29; Serial No. 501,926; published Feb. 11, 1947. Class 6.

Professional Nutrition Products, Inc., New York, N. Y. Natural vitamin B complex products. 429,370; Apr. 29; Serial No. 501,927; published Feb. 11, 1947. Class 6.

Protection Products Co., Chicago, Ill. Toy pistol holsters, golf bags, and bowling ball bags. 429,521; Apr. 29. Class 22.

Protective Coatings Corporation, Belleville, N. J. Moisture-proof, treated paper. 429,415; Apr. 29; Serial No. 503,129; published Feb. 18, 1947. Class 37.

Pyramid Electrical Manufacturing Co.: *See—*
Thomson, Floyd W.

Quinlan, Kathleen Mary, Inc., New York, N. Y. Lipstick, rouge, and face powder. 429,249; Apr. 29; Serial No. 480,384; published Jan. 21, 1947. Class 6.

Radex Stereo Company, Los Angeles, Calif. Camera supporting devices, picture holders, picture viewers, and color pictures. 429,386; Apr. 29; Serial No. 502,331; published Feb. 11, 1947. Class 26.

Rand, Alma, doing business as La Traviata Jewelry Co., New York, N. Y. Non-precious costume jewelry. 429,431; Apr. 29; Serial No. 503,940; published Feb. 11, 1947. Class 28.

Ratner, Lee, Chicago, Ill. Toy adding machines. 429,390; Apr. 29; Serial No. 502,456; published Feb. 18, 1947. Class 22.

Raytheon Manufacturing Company, Newton, Mass. Electric lamps. 429,305; Apr. 29; Serial No. 496,271; published Feb. 4, 1947. Class 21.

Reed Pharmacal Co.: *See*—
Reed Pharmaceutical Company, Incorporated.

Reed Pharmaceutical Company, Incorporated, doing business as Reed Pharmacal Co., Randolph, Mass. Liquid cold cream. 429,509; Apr. 29. Class 6.

Remington Arms Company, Inc., Bridgeport, Conn., Ilion and New York, N. Y., to Remington Arms Company, Inc., Bridgeport, Conn. Ammunition. 223,997; renewed Feb. 15, 1947. O. G. Apr. 29. Class 9.

Resistance Welder Corporation, Bay City, Mich. Electric welding machines. 429,373; Apr. 29; Serial No. 502,010; published Feb. 4, 1947. Class 21.

Rhimy Products, Laurelton, Long Island, N. Y. Hair cream. 429,262; Apr. 29; Serial No. 487,278; published Jan. 14, 1947. Class 6.

Rice's, Bernard, Sons, Inc., New York, N. Y. Electric vacuum tubes and parts thereof; electronic devices. 429,255; Apr. 29; Serial No. 484,802; published Feb. 4, 1947. Class 21.

Richter, Friedrich A., Rudolstadt, Germany, and New York, N. Y., to The A. C. Gilbert Company, New Haven, Conn. Toy building-blocks, mosaic games, metal parts for constructing toy bridges, etc. 59,818; re-renewed Jan. 15, 1947. O. G. Apr. 29. Class 22.

Riley, Stephen, Company: *See*—
Riley, Stephen E.

Riley, Stephen E., doing business as Stephen Riley Company, Los Angeles, Calif. Perfume. 429,317; Apr. 29; Serial No. 499,282; published Feb. 11, 1947. Class 6.

Rittenberg Bros., doing business as Stonekirk Worsted Co., to Rittenberg Bros., doing business as Stonekirk Worsted Co., New York, N. Y. Woolen and wool and mixed woven piece goods. 224,545; renewed Mar. 1, 1947. O. G. Apr. 29. Class 42.

Rival Foods, Inc., Cambridge, Mass. Ammonia, bleaching water, and gloss starch. 429,257; Apr. 29; Serial No. 485,651; published Nov. 6, 1945. Class 6.

Rocco's Macaroni Manufacturing Co. Inc., San Diego, Calif. Macaroni, spaghetti, noodles, etc. 429,511; Apr. 29. Class 46.

Rosenbaum, Abraham, doing business as National Manufacturing Company, Boston, Mass. Children's garments. 429,302; Apr. 29; Serial No. 495,258; published Feb. 11, 1947. Class 39.

Schering Corporation, Bloomfield, N. J. Sun tan cream and lotion. 429,468; Apr. 29; Serial No. 512,347; published Jan. 21, 1947. Class 6.

Schieren, Chas. A., Company: *See*—
Schieren, Chas. A., & Co.

Schieren, Chas. A., & Co., to Chas. A. Schieren Company, New York, N. Y. Leather belting. 61,453; re-renewed Mar. 19, 1947. O. G. Apr. 29. Class 35.

Schroer Brothers, Louisville, Ky. Cigars, smoking tobacco, cigarettes, etc. 429,359; Apr. 29; Serial No. 501,539; published Feb. 11, 1947. Class 17.

Scudder, Isaiah C., North Bergen, N. J. Games comprising boards with apertures therein and discs. 429,487; Apr. 29. Class 22.

Seamon, A. & L., Brooklyn, N. Y. Billfolds, pocketbooks, wallets, and keycases. 429,289; Apr. 29; Serial No. 493,460; published Feb. 11, 1947. Class 3.

Sears, Roebuck and Co., Chicago, Ill. Hosiery. 219,332; renewed Oct. 19, 1946. O. G. Apr. 29. Class 39.

Sears, Roebuck and Co., Chicago, Ill. Phonographs. 220,659; renewed Nov. 16, 1946. O. G. Apr. 29. Class 36.

Security Manufacturing Co.: *See*—
Blakesley-Tuttle Stove Co.

Senusol Company, The, Taunton, Mass. Laxative. 429,318; Apr. 29; Serial No. 499,437; published Feb. 4, 1947. Class 6.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Antiseptic, fungicidal, and analgesic preparation. 429,324; Apr. 29; Serial No. 500,136; published Feb. 11, 1947. Class 6.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Vitamin and mineral preparation. 429,358; Apr. 29; Serial No. 501,478; published Jan. 14, 1947. Class 6.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Blood clotting preparation. 429,367; Apr. 29; Serial No. 501,875; published Jan. 21, 1947. Class 6.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Vitamin preparation. 429,371; Apr. 29; Serial No. 501,931; published Feb. 11, 1947. Class 6.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Preparation causing cellular stimulation, particularly a hormone preparation. 429,466–7; Apr. 29; Serial Nos. 512,207–8; published Jan. 14, 1947. Class 6.

Sheffield Corporation, The, Dayton, Ohio. Gaging instruments and parts thereof. 429,434; Apr. 29; Serial No. 504,299; published Feb. 11, 1947. Class 26.

Sheffield Instrument Corporation, Glendale, Calif. Electric clocks. 429,374; Apr. 29; Serial No. 502,017; published Feb. 4, 1947. Class 27.

Shell Oil Company, Incorporated, San Francisco, Calif. Insecticide. 429,464; Apr. 29; Serial No. 512,026; published Feb. 11, 1947. Class 6.

Shetland Sales Company, Inc., New York, N. Y. Hand bags, purses, wallets, etc. 429,395; Apr. 29; Serial No. 502,537; published Feb. 11, 1947. Class 3.

Siegel, Jacob, Company, Philadelphia, Pa. Men's and boys' topcoats and overcoats. 429,290; Apr. 29; Serial No. 493,462; published Feb. 11, 1947. Class 39.

Silfen, Benjamin, Chicago, Ill. Kits adapted for use in shining shoes. 429,494; Apr. 29. Class 4.

Silverman, Robert R., Monticello, N. Y. Electric broiling apparatus. 429,376; Apr. 29; Serial No. 502,081; published Feb. 4, 1947. Class 21.

Simplex Wire & Cable Company, Boston, to Simplex Wire & Cable Company, Cambridge, Mass. Insulated and protected electrical conducting wires and cable. 219,606; renewed Oct. 19, 1946. O. G. Apr. 29. Class 21.

Sineath, Farley, New York, N. Y. Cigarette dispensers. 429,300; Apr. 29; Serial No. 494,981; published Feb. 11, 1947. Class 8.

Siteman, Phil L., doing business as The Cylude Co., St. Louis, Mo. Liquid compositions to be added to gasoline and lubricating oils to effect the removal of carbon, gum, and sludge. 429,341; Apr. 29; Serial No. 500,907; published Feb. 11, 1947. Class 6.

Smith & Dove Mfg. Co., Andover, to Ludlow Manufacturing & Sales Co., Boston, Mass. Thread and yarn. 57,982; re-renewed Dec. 4, 1946. O. G. Apr. 29. Class 43.

Smith & Dove Mfg. Co., Andover, to Ludlow Manufacturing & Sales Co., Boston, Mass. Flax threads and yarns. 58,928; re-renewed Dec. 25, 1946. O. G. Apr. 29. Class 43.

Societe Anonyme Adolphe Saurer, Arbon, Switzerland, and Union City, N. J. Embroidering machines, knitting machines, lace machines, etc. 429,495; Apr. 29. Class 23.

Southwest Magazine Company, The, Fort Worth, Tex. Monthly magazine. 225,064; renewed Mar. 8, 1947. O. G. Apr. 29. Class 38.

Spencer, J. W., doing business as Consolidated Drug Company successor to Consolidated Drug Corporation, New Orleans, La. Chemical preparation. 429,388; Apr. 29; Serial No. 502,341; published Jan. 21, 1947. Class 6.

Spertl, Inc., Cincinnati, Ohio. Sun tan cream. 429,499; Apr. 29. Class 6.

Standard Pharmaceutical Company: *See*—
Berger, Herman.

Startex Mills, Tucapau, S. C. Crash goods in the piece, towels and toweling. 429,482–3; Apr. 29. Class 42.

Stiles, Leconie, doing business as Ruth Ashbrook Bakeries, Seattle, Wash. Coffee cakes. 429,479; Apr. 29. Class 46.

Stonekirk Worsted Co.: *See*—
Rittenberg Bros.

Sturtevant, B. F., Company, Hyde Park and Boston, to B. F. Sturtevant Company, Hyde Park, Mass. Electric motors, dynamos, and generating sets and parts thereof, etc. 224,006; renewed Feb. 15, 1947. O. G. Apr. 29. Class 21.

Sturtevant B. F., Company, Hyde Park and Boston, to B. F. Sturtevant Company, Hyde Park, Mass. Air heaters, air washers, fuel economizers, etc. 224,293; renewed Feb. 22, 1947. O. G. Apr. 29. Class 34.

Sun Oil Company, Philadelphia, Pa. Storage batteries. 429,335; Apr. 29; Serial No. 500,584; published Feb. 11, 1947. Class 21.

Sun-maid Raisin Growers of California, Fresno, Calif. Dried raisins. 224,807; renewed Mar. 8, 1947. O. G. Apr. 29. Class 46.

Swenson, Harold R., doing business as Permo Liquid Weld Co., Denver, Colo. Cooling system cleaner, rust inhibitor, and water pump lubricant. 429,477; Apr. 29. Class 6.

Telex, Inc., Minneapolis, Minn. Microphones. 429,310; Apr. 29; Serial No. 497,507; published Feb. 11, 1947. Class 21.

Thompson Horticultural Chemicals Corp., Los Angeles, Calif. Multi-hormone preparation. 429,513; Apr. 29. Class 6.

Thompson, Richard: *See*—
Eureka Springs Water Company.

Thompson, William B., doing business as International Chemicals, Arlington, Va. Antiseptic aqueous solutions or suspensions. 429,354; Apr. 29; Serial No. 501,348; published Jan. 14, 1947. Class 6.

Thomson, Floyd W., doing business as Pyramid Electrical Manufacturing Co., Minneapolis, Minn. Farmyard light control system. 429,303; Apr. 29; Serial No. 495,421; published Feb. 4, 1947. Class 21.

Topton Rug Mfg. Co.: *See*—
Collins, Oliver C.

Tupper, Earl S., doing business as Tupper Plastics, Farnumsville, Mass. Molded plastic combs. 429,312; Apr. 29; Serial No. 498,039; published Feb. 18, 1947. Class 40.

Tupper Plastics: *See*—
Tupper, Earl S.

Ulysse Nardin, Société Anonyme, Chronométrie de Marine et de Poche, Le Locle, Switzerland. Marine and pocket chronometers, pocket watches and wrist watches. 429,250; Apr. 29; Serial No. 480,634; published Feb. 4, 1947. Class 27.

United Biscuit Company of America: *See*—
Keebler Weyl Baking Co.

United Paper Corporation, Menasha, Wis. Toilet tissue. 224,625; renewed Mar. 1, 1947. O. G. Apr. 29. Class 37.

United States Gutta Percha Paint Company, Providence, R. I. Enamel in the nature of paint. 224,750; renewed Mar. 1, 1947. O. G. Apr. 29. Class 16.

United States Hoffman Machinery Corporation, New York, N. Y. Pressing, shaping, and drying forms and related appliances. 429,304; Apr. 29; Serial No. 496,114; published Feb. 4, 1947. Class 24.

U. S. Industrial Chemicals, Inc., New York, N. Y. Methanol antifreeze. 429,322; Apr. 29; Serial No. 499,744; published Feb. 4, 1947. Class 6.

United States Plywood Corporation, New York, N. Y. Lumber and wood construction materials. 429,397; Apr. 29; Serial No. 502,599; published Feb. 11, 1947. Class 12.

United States Rubber Company, New York, N. Y. Weed killer. 429,336; Apr. 29; Serial No. 500,637; published Feb. 4, 1947. Class 6.

U. S. Specialties Co.: *See*—
Engel, Fred.

United States Time Corporation, The, Waterbury, Conn. Watches and clocks, both cased and uncased and parts therefor. 429,443; Apr. 29; Serial No. 504,804; published Feb. 4, 1947. Class 27.

United Wallpaper, Inc., Chicago, Ill. Coverings in the nature of a combination of treated fabric and paper. 429,375; Apr. 29; Serial No. 502,041; published Feb. 4, 1947. Class 20.

Universal Vitamin Corporation, New York, N. Y. Medicinal vitamin preparations. 429,349; Apr. 29; Serial No. 501,031; published Feb. 4, 1947. Class 6.

University Loudspeakers, Inc., New York, N. Y., and elsewhere. Electric loudspeakers and parts therefor. 429,377; Apr. 29; Serial No. 502,091; published Feb. 4, 1947. Class 21.

Upjohn Company, The, Kalamazoo, Mich. Sterile surgical sponges. 429,268; Apr. 29; Serial No. 489,625; published Feb. 11, 1947. Class 6.

Van Sant, Robert H., Alexandria, Va. Preparation for the treatment of the hair and scalp. 429,368; Apr. 29; Serial No. 501,886; published Feb. 11, 1947. Class 6.

Velcrest Company, The, Mansfield, Ohio. Perfumes, toilet water, scalp remedies, etc. 220,372; renewed Nov. 9, 1946. O. G. Apr. 29. Class 6.

Vento Steel Products Co.: *See*—
Wendling, Jacob.

Verney Fabrics Corporation, New York, N. Y. Piece goods of synthetic and natural fibres and mixtures thereof. 429,252; Apr. 29; Serial No. 483,401; published Feb. 11, 1947. Class 42.

Visking Corporation, The, Chicago, Ill. Monofilaments made from vinyl resins and monofilaments made from polymeric vinylidene chloride and copolymers thereof. 429,440; Apr. 29; Serial No. 504,649; published Feb. 18, 1947. Class 1.

Wadley Company, The, Indianapolis, Ind. Dressed poultry and eggs. 223,146; renewed Jan. 18, 1947. O. G. Apr. 29. Class 46.

Wallich, Fred R., doing business as Wallich Laboratories, Los Angeles, Calif. Eye wash. 429,500; Apr. 29. Class 6.

Wallich, Fred R., doing business as Wallich Laboratories, Los Angeles, Calif. Liquid sterilizer. 429,501; Apr. 29. Class 6.

Wallich Laboratories: *See*—
Wallich, Fred R.

Warford Corporation, The, New York, N. Y. Rear chassis unit. 224,505; renewed Mar. 1, 1947. O. G. Apr. 29. Class 19.

Warner, William R., & Co., Inc., New York, N. Y. Medicinal preparation for use in the treatment of constipation. 429,298; Apr. 29; Serial No. 494,730; published June 25, 1946. Class 6.

Washburn-Crosby Company, to General Mills Inc., Minneapolis, Minn. Wheat flour. 61,763; re-renewed Apr. 2, 1947. O. G. Apr. 29. Class 46.

Washburn-Crosby Company, to General Mills, Inc., Minneapolis, Minn. Wheat flour. 220,306; renewed Nov. 9, 1946. O. G. Apr. 29. Class 46.

Washington Creamery Company, Seattle, Wash. Canned boned chicken and broth. 429,510; Apr. 29. Class 46.

Waterloo Canning Association, Waterloo, Wis. Canned peas. 225,315; renewed Mar. 15, 1947. O. G. Apr. 29. Class 46.

Waxman Incorporated, Cincinnati, Ohio. Finger rings and ring mountings. 429,433; Apr. 29; Serial No. 504,139; published Feb. 11, 1947. Class 28.

Webster Tobacco Company, Inc.: *See*—
Eisenlohr, Otto, & Bros. Incorporated.

Weinreich, H., Co. Inc.: *See*—
Weinreich, H., Company Inc.

Weinreich, H., Company Inc., also known as H. Weinreich Co. Inc., Philadelphia, Pa. Finger rings, earrings, bracelets, etc. 429,256; Apr. 29; Serial No. 485,428; published Feb. 11, 1947. Class 28.

Weinreich, H., Company Inc., also known as H. Weinreich Co. Inc., Philadelphia, Pa. Finger rings, earrings, bracelets, etc. 429,258; Apr. 29; Serial No. 485,803; published Feb. 11, 1947. Class 28.

Wendling, Jacob, doing business as Vento Steel Products Co., Buffalo, N. Y. Metal framed windows. 429,454; Apr. 29; Serial No. 508,347; published Feb. 11, 1947. Class 12.

Westbury Chemical Company, Inc., New York, N. Y. Medicines having germicidal antibacterial, and antiseptic properties. 429,315; Apr. 29; Serial No. 498,740; published Feb. 4, 1947. Class 6.

Whitby, James F., Richmond, Va. Glue, starch, dextrine, etc. 429,459–60; Apr. 29; Serial Nos. 509,748–9; published Feb. 11, 1947. Class 5.

White, S. S., Dental Manufacturing Company, The, Philadelphia, Pa. Tool parts. 218,950; renewed Oct. 5, 1946. O. G. Apr. 29. Class 23.

Whitworth, Charles B., doing business as Whitworth Laboratories, Nashville, Tenn. Cough syrup. 429,516; Apr. 29. Class 6.

Whitworth Laboratories: *See*—
Whitworth, Charles B.

Wilbur-Suchard Chocolate Company, Inc.: *See*—
Ideal Cocoa & Chocolate Company.

Wilson, Caliste V., doing business as Cottie Wilson Laboratories, North Hollywood, Calif. S H compounds of sulfur and colloidal sulfur. 429,319; Apr. 29; Serial No. 499,453; published Jan. 14, 1947. Class 6.

Wilson, Cottie, Laboratories: *See*—
Wilson, Caliste V.

Windsor House, Ltd.: *See*—
"42" Products, Ltd.

Wolf's, M., Sons, Inc., Brooklyn, N. Y. Ladies' shoes. 429,296; Apr. 29; Serial No. 494,643; published Feb. 11, 1947. Class 39.

Woolson Spice Company, The, Toledo, Ohio. Spices. 224,518; renewed Mar. 1, 1947. O. G. Apr. 29. Class 46.

Woolson Spice Company, The, Toledo, Ohio. Baking powder. 225,392; renewed Mar. 15, 1947. O. G. Apr. 29. Class 46.

Yankee Polish Co.: *See*—
Graziano, S., & Co.

Youngs Rubber Corporation, New York, N. Y. Prophylactic rubber articles. 429,472–3; Apr. 29; Serial Nos. 513,706–7; published Feb. 18, 1947. Class 44.

Zeuthen, Leon H., doing business as Zeuthen Mfg. Co., Minneapolis, Minn. Garment hanger. 429,313; Apr. 29; Serial No. 498,048; published Feb. 11, 1947. Class 50.

Zeuthen Mfg. Co.: *See*—
Zeuthen, Leon H.

Zimmerman, William F., New York, N. Y. Liquid skin cleanser, liquid make-up foundation, night emollient, etc. 429,419; Apr. 29; Serial No. 503,337; published Feb. 4, 1947. Class 6.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal, carbonized fuel, and coke. J. P. Burton Coal Company. 212,097; renewed Apr. 27, 1946. O. G. Apr. 29.

Leather, unwrought skins, furs, etc. J. Kennon & Sons Proprietary Limited. 213,074; renewed May 18, 1946. O. G. Apr. 29.

Monofilaments made from vinyl resins and monofilaments made from polymeric vinylidene chloride and copolymers thereof. Visking Corporation. 429,440; Apr. 29; Serial No. 504,649; published Feb. 18, 1947.

Sheets, films, foils, etc. Celanese Corporation of America. 429,284; Apr. 29; Serial No. 492,427; published July 2, 1946.

CLASS 2

Compacts of plastic material, Unfilled. B. A. Foster. 429,259; Apr. 29; Serial No. 486,034; published Oct. 2, 1945.

CLASS 3

Bags, purses, wallets, etc., Hand. Shetland Sales Company, Inc. 429,395; Apr. 29; Serial No. 502,537; published Feb. 11, 1947.

Belt and panty as a protective covering for dogs, Combination. F. Engel. 429,447; Apr. 29; Serial No. 505,814; published Feb. 18, 1947.

Billfolds, pocketbooks, wallets, and keycases. A. & L. Seamon. 429,289; Apr. 29; Serial No. 493,460; published Feb. 11, 1947.

Handbags, Ladies' and misses'. Morris White Fashions, Inc. 429,525; Apr. 29.

Luggage. Kessler Luggage Mfg. Corporation. 429,504; Apr. 29.

CLASS 4

Corundum, garnet, and emery paper and cloth. Minnesota Mining & Manufacturing Co. 56,397; re-renewed Sept. 18, 1946. O. G. Apr. 29.

Cream, Shaving. Bristol-Myers Company. 218,801; renewed Oct. 5, 1946. O. G. Apr. 29.

Kits adapted for use in shining shoes. B. Silfen. 429,494; Apr. 29.

Leather-polishing paste, waterproof polish, box-calf polish, etc. S. Graziano & Co. 57,591; re-renewed Nov. 13, 1946. O. G. Apr. 29.

Preparation for cleaning wood, cement, tile, terrazzo, etc. Continental Chemical Corporation of Illinois. 223,133; renewed Jan. 18, 1947. O. G. Apr. 29.

CLASS 5

Cement, Gasket and rim. Dunlop Tire and Rubber Corporation. 429,471; Apr. 29; Serial No. 513,614; published Feb. 11, 1947.

Cement, Rubber. Atlas Latex Co. 429,461; Apr. 29; Serial No. 509,814; published Feb. 11, 1947.

Glue, starch, dextrine, etc. J. F. Whitby. 429,459–60; Apr. 29; Serial Nos. 509,748–9; published Feb. 11, 1947.

Paste. Clark Paper & Manufacturing Co. 57,497; re-renewed Nov. 13, 1946. O. G. Apr. 29.

Paste, Cold-water. Knefler-Bates Manufacturing Company. 224,446; renewed Mar. 1, 1947. O. G. Apr. 29.

Paste, glue, adhesive tape, etc. Eastman Kodak Company. 429,457; Apr. 29; Serial No. 509,405; published Feb. 11, 1947.

CLASS 6

Acids for industrial use. Pennsylvania Salt Manufacturing Company. 429,413; Apr. 29; Serial No. 503,118; published Feb. 11, 1947.

Alcohol compounds, Rubbing. McCambridge & McCambridge Co. 429,399; Apr. 29; Serial No. 502,651; published Jan. 21, 1947.

Amide products, High molecular weight. Armour and Company. 429,344; Apr. 29; Serial No. 500,926; published Feb. 11, 1947.

Amine acetate products, High molecular weight. Armour and Company. 429,342; Apr. 29; Serial No. 500,924; published Feb. 11, 1947.

Amine products, High molecular weight. Armour and Company. 429,343; Apr. 29; Serial No. 500,925; published Feb. 11, 1947.

Ammonia, bleaching water, and gloss starch. Rival Foods, Inc. 429,257; Apr. 29; Serial No. 485,651; published Nov. 6, 1945.

Ammonium compounds, Quaternary. Armour and Company. 429,348; Apr. 29; Serial No. 500,931; published Feb. 11, 1947.

Antacid-adsorbent preparation. Drew Pharmacal Co., Inc. 429,426; Apr. 29; Serial No. 503,560; published Feb. 11, 1947.

Antiseptic aqueous solutions or suspensions. W. B. Thompson. 429,354; Apr. 29; Serial No. 501,348; published Jan. 14, 1947.

Antiseptic, fungicidal and analgesic preparation. Sharp & Dohme, Incorporated. 429,324; Apr. 29; Serial No. 500,136; published Feb. 11, 1947.

Antiseptic, insecticide, germicide, etc., Chemical. D. Lauderback. 219,784; renewed Oct. 26, 1946. O. G. Apr. 29.

Astringent, make-up foundation, nail polish, etc., Skin. H. Brode. 429,320; Apr. 29; Serial No. 499,481; published Jan. 14, 1947.

Bactericide. Edw. Livingston & Sons. 429,333; Apr. 29; Serial No. 500,478; published Feb. 11, 1947.

Bacteriostatic preparations for the treatment of congestion of membranes of the nose and throat. Ormont Drug & Chemical Co. 429,242; Apr. 29; Serial No. 471,231; published Sept. 26, 1944.

Bath oil and toilet water. Parkinson Lecourt Company, Inc. 429,515; Apr. 29.

Blood clotting preparation. Sharp & Dohme, Incorporated. 429,367; Apr. 29; Serial No. 501,875; published Jan. 21, 1947.

Bubble bath. Donna Lo Laboratories, Inc. 429,488; Apr. 29.

Chemical composition in liquid and solid form, Resinous. Libbey-Owens-Ford Company. 429,266; Apr. 29; Serial No. 489,332; published Feb. 11, 1947.

Chemical compositions. A. D. Chapman and Company, Inc. 429,277; Apr. 29; Serial No. 491,545; published Feb. 11, 1947.

Chemical compounds for all cleansing and washing purposes. Oakite Products, Inc. 429,366; Apr. 29; Serial No. 501,866; published Feb. 11, 1947.

Chemical ingredient, Active. Hercules Powder Company. 429,325; Apr. 29; Serial No. 500,303; published Feb. 11, 1947.

Chemical preparation. E. L. Eckerley. 429,362; Apr. 29; Serial No. 501,650; published Feb. 4, 1947.

Chemical preparation. J. W. Spencer. 429,388; Apr. 29; Serial No. 502,341; published Jan. 21, 1947.

Chemical preparations. Commanditaire Vennootschap Chemische Fabriek Rids. 429,308; Apr. 29; Serial No. 497,370; published Jan. 21, 1947.

Chemical preparations. Invention Development Corporation. 429,301; Apr. 29; Serial No. 495,239; published Feb. 4, 1947.

Chemicals. June and Co. 429,244; Apr. 29; Serial No. 473,604; published Feb. 11, 1947.

Chemicals for rendering wood water repellent. A. D. Chapman and Company, Inc. 429,278; Apr. 29; Serial No. 491,546; published Jan. 21, 1947.

Choline dihydrogen citrate solution. Lederle Laboratories, Inc. 429,321; Apr. 29; Serial No. 499,716; published Feb. 4, 1947.

Cologne, after-shave powder, and after-shave lotion. "42" Products, Ltd. 429,265; Apr. 29; Serial No. 488,808; published July 16, 1946.

Compositions to be added to gasoline and lubricating oils to effect the removal of carbon, gum, and sludge, Liquid. P. L. Siteman. 429,341; Apr. 29; Serial No. 500,907; published Feb. 11, 1947.

Compound for preventing and disuniting incrustation formed from water heated in boilers, etc. Boilerine, Limited. 218,709; renewed Oct. 5, 1946. O. G. Apr. 29.

Cooling system cleaner, rust inhibitor, and waterpump lubricant. Harold R. Swenson. 429,477; Apr. 29.

Cough syrup. C. B. Whitworth. 429,516; Apr. 29.

Cream and lotion, Sun tan. Schering Corporation. 429,468; Apr. 29; Serial No. 512,347; published Jan. 21, 1947.

Cream and pressing oil, Scalp. A. C. Banks. 429,514; Apr. 29.

Cream, Hair. Rhimy Products. 429,262; Apr. 29; Serial No. 487,278; published Jan. 14, 1947.

Cream, Liquefied. F. Di Orio. 429,523; Apr. 29.

Cream, Liquid cold. Reed Pharmaceutical Company, Incorporated. 429,509; Apr. 29.

Cream, Sun tan. Sperti, Inc. 429,499; Apr. 29.

Creamed cake makeup. Parfait, Incorporated. 429,357; Apr. 29; Serial No. 501,471; published Jan. 28, 1947.

Creams, Cleansing. L. B. Harvell. 429,502; Apr. 29.

Curling and hair setting preparation and solution, etc., Permanent wave and cold wave. Fraser Hair Fashions. 429,261; Apr. 29; Serial No. 486,760; published Feb. 11, 1947.

Deodorant. A. John Miller. 429,498; Apr. 29.

Digitalis, Fat-free. Drug Products Co. Inc. 218,540; renewed Sept. 28, 1946. O. G. Apr. 29.

Dyestuffs and pigment colors. Nova Chemical Corporation. 429,470; Apr. 29; Serial No. 512,528; published Feb. 11, 1947.

Eau de cologne. Gilvo Chemical Manufacturing Coy. (Gelbard.) 429,245; Apr. 29; Serial No. 474,377; published Feb. 11, 1947.

Ergot solution, Purified concentrated. Drug Products Co. Inc. 218,541; renewed Sept. 28, 1946. O. G. Apr. 29.

Eye wash. F. R. Wallich. 429,500; Apr. 29.

Face powder, rouge and lipstick. Golden Arrow Toiletries. 429,364; Apr. 29; Serial No. 501,732; published Feb. 4, 1947.

Fungicidal preparation. Perma Products Company. 429,507; Apr. 29.

Heat-evaporative chemical smoke or odor producing or emitting substances and containers therefor, etc. H. W. Faus. 429,299; Apr. 29; Serial No. 494,742; published Feb. 11, 1947.

Hydrates, carbonates, and chlorids. Brunner, Mond & Co., Limited. 56,887; re-renewed Oct. 23, 1946. O. G. Apr. 29.

Insecticide. Barrett Products Co. 429,524; Apr. 29.

Insecticide. Shell Oil Company, Incorporated. 429,464; Apr. 29; Serial No. 512,026; published Feb. 11, 1947.

Insecticides. C. R. Parsons. 429,272; Apr. 29; Serial No. 490,692; published Feb. 4, 1947.

Insecticides. Pennsylvania Salt Manufacturing Company. 429,414; Apr. 29; Serial No. 503,119; published Feb. 11, 1947.

Ketone products, High molecular weight. Armour and Company. 429,346; Apr. 29; Serial No. 500,928; published Feb. 11, 1947.

Laxative. Senusol Company. 429,318; Apr. 29; Serial No. 499,437; published Feb. 4, 1947.

Laxative tablets. M. W. Claire. 429,481; Apr. 29.

Laxatives. Professional Nutrition Products, Inc. 429,369; Apr. 29; Serial No. 501,926; published Feb. 11, 1947.

Lipstick. Lehn & Fink Products Corporation. 429,430; Apr. 29; Serial No. 503,916; published Jan. 21, 1947.

Lipstick and rouge. Affiliated Products, Inc. 429,432; Apr. 29; Serial No. 503,963; published Feb. 11, 1947.

Lipstick, rouge and face powder. Kathleen Mary Quinlan, Inc. 429,249; Apr. 29; Serial No. 480,384; published Jan. 21, 1947.

Lipstick, rouge, face powder, etc. Delettrez, Inc. 429,421; Apr. 29; Serial No. 503,432; published Jan. 21, 1947.

Lipsticks. Lehn & Fink Products Corporation. 429,356; Apr. 29; Serial No. 501,461; published Jan. 14, 1947.

Liquid compound. North American Fibre Products Company. 225,383; renewed Mar. 15, 1947. O. G. Apr. 29.

Liquid fuel for cigar and cigarette lighters, Inflammable. H. Gelke. 429,267; Apr. 29; Serial No. 489,508; published Jan. 28, 1947.

Liquid skin cleanser, liquid make-up foundation, night emollient, etc. W. F. Zimmerman. 429,419; Apr. 29; Serial No. 503,337; published Feb. 4, 1947.

Lotions, Permanent hair wave. Samuel Bonat & Bro. 429,241; Apr. 29; Serial No. 470,403; published June 12, 1945.

Mangrove extract, Spray dried powdered. Industrias del Mangle, S. A. 429,253; Apr. 29; Serial No. 483,903; published Feb. 11, 1947.

Medicinal preparation. Endo Products Inc. 429,332; Apr. 29; Serial No. 500,466; published Feb. 11, 1947.

Medicinal preparation for use in the treatment of constipation. William R. Warner & Co., Inc. 429,298; Apr. 29; Serial No. 494,730; published June 25, 1946.

Medicinal preparations. Dolcin Corporation. 429,323; Apr. 29; Serial No. 499,890; published Jan. 14, 1947.

Medicinal vitamin preparations. Universal Vitamin Corporation. 429,349; Apr. 29; Serial No. 501,031; published Feb. 4, 1947.

Medicines having germicidal antibacterial, and antiseptic properties. Westbury Chemical Company, Inc. 429,315; Apr. 29; Serial No. 498,740; published Feb. 4, 1947.

Methanol antifreeze. U. S. Industrial Chemicals, Inc. 429,322; Apr. 29; Serial No. 499,744; published Feb. 4, 1947.

Multi-hormone preparation. Thompson Horticultural Chemicals Corp. 429,513; Apr. 29.

Nail polish. Avon Products, Inc. 429,517; Apr. 29.

Naphthas for use as insecticide base oils and as solvent for chemicals, medicines and pharmaceutical preparations. Phillips Petroleum Company. 429,309; Apr. 29; Serial No. 497,409; published Feb. 11, 1947.

Nitrile products, High molecular weight. Armour and Company. 429,347; Apr. 29; Serial No. 500,930; published Feb. 11, 1947.

Nitrogen. Linde Air Products Company. 429,389; Apr. 29; Serial No. 502,442; published Feb. 4, 1947.

Oils, Vegetable. E. F. Drew & Co., Inc. 429,486; Apr. 29.

Opacifiers for vitreous enamels. Porcelain Sales Company. 429,355; Apr. 29; Serial No. 501,405; published Feb. 4, 1947.

Ore flotation reagents. Armour and Company. 429,345; Apr. 29; Serial No. 500,927; published Feb. 11, 1947.

Pads, Chemically treated. Balsam Permanent Wave Co. 429,263; Apr. 29; Serial No. 487,759; published Mar. 26, 1946.

Pain relieving solution. L. C. Markowitz. 429,402; Apr. 29; Serial No. 502,829; published Jan. 28, 1947.

Parasiticides. General Chemical Company. 429,406; Apr. 29; Serial No. 503,075; published Feb. 11, 1947.

Perfume. S. E. Riley. 429,317; Apr. 29; Serial No. 499,282; published Feb. 11, 1947.

Perfume and toilet water. McKesson & Robbins, Incorporated. 429,412; Apr. 29; Serial No. 503,110; published Feb. 11, 1947.

Perfume, cologne, toilet water, etc. A. D. McKelvy. 429,314; Apr. 29; Serial No. 498,431; published Feb. 11, 1947.

Perfume, face powder, brilliantine, etc. Consolidated Cosmetics. 429,288; Apr. 29; Serial No. 493,328; published May 14, 1946.

Perfume, toilet water, bath powder and cologne. Parfums Corday, Inc. 429,353; Apr. 29; Serial No. 501,335; published Jan. 14, 1947.

Perfumery products and toilet preparations. V. Nicholson-Rogers. 429,339–40; Apr 29; Serial Nos. 500,898–9; published Feb. 11, 1947.

Perfumes. Multi-Facet Diamond Corporation. 429,465; Apr. 29; Serial No. 512,081; published Jan. 21, 1947.

Perfumes. Parfums Barroche, Inc. 429,420; Apr. 29; Serial No. 503,384; published Feb. 4, 1947.

Perfumes, colognes, dusting powder, etc. De Heriot, Inc. 429,251; Apr. 29; Serial No. 481,884; published Jan. 14, 1947.

Perfumes, colognes, toilet waters, etc. Parfums Schiaparelli, Inc. 429,283; Apr. 29; Serial No. 492,274; published Jan. 21, 1947.

Perfumes, toilet waters, eau de cologne, etc. Parfums Charbert Inc. 429,485; Apr. 29.

Perfumes, toilet water, scalp remedies, etc. Velcrest Company. 220,372; renewed Nov. 9, 1946. O. G. Apr. 29.

Pomade, Scalp. A. Hill. 429,476; Apr. 29.

Powder base, Face. R. H. Laird Manufacturing Company, Inc. 429,490; Apr. 29.

Powder, dusting powder, toilet water, etc., Face. Coty, Inc. 429,383; Apr. 29; Serial No. 502,277; published Jan. 21, 1947.

Powder, Face. Armand Company. 223,895; renewed Feb. 15, 1947. O. G. Apr. 29.

Powder, Washing bluing. John Howard Company. 429,489; Apr. 29.

Preparation applied externally. L. C. Brown. 429,351; Apr. 29; Serial No. 501,162; published Feb. 4, 1947.

Preparation causing cellular stimulation, particularly a hormone preparation. Sharp & Dohme, Incorporated. 429,466–7; Apr. 29; Serial Nos. 512,207–8; published Jan. 14, 1947.

Preparation for the treatment of athlete's foot. D. T. Haynes Distributing Company. 429,293; Apr. 29; Serial No. 494,185; published Feb. 11, 1947.

Preparation for the treatment of rheumatic fever, rheumatoid arthritis, neuralgia, etc. Fellows Medical Manufacturing Company, Inc. 429,424; Apr. 29; Serial No. 503,509; published Feb. 11, 1947.

Preparation for the treatment of the hair and scalp. R. H. Van Sant. 429,368; Apr. 29; Serial No. 501,886; published Feb. 11, 1947.

Preparation for use in the treatment of athlete's foot. D. F. Hollman. 429,480; Apr. 29.

Preparations for the treatment of pneumonia-enteritis in swine. Fort Dodge Laboratories, Inc. 429,469; Apr. 29; Serial No. 512,407; published Jan. 21, 1947.

Preparations for use as an expectorant and for the treatment of bronchitis. H. Berger. 429,276; Apr. 29; Serial No. 491,309; published Jan. 14, 1947.

SH Compounds of sulfur and colloidal sulfur. C. V. Wilson. 429,319; Apr. 29; Serial No. 499,453; published Jan. 14, 1947.

Sedative, Vitamin. King Drug Co. 429,441; Apr. 29; Serial No. 504,675; published Feb. 11, 1947.

Shampoo. Ariston, Inc. 429,484; Apr. 29.

Solvent, Quick drying. F. W. Paul. 429,316; Apr. 29; Serial No. 499,271; published Jan. 21, 1947.

Sponges, Sterile surgical. Upjohn Company. 429,268; Apr. 29; Serial No. 489,625; published Feb. 11, 1947.

Sterilizer, Liquid. F. R. Wallich. 429,501; Apr. 29.

Tablets, containing certain drugs for heart ailment. Haack Bros. Manufacturing Pharmacists. 429,292; Apr. 29; Serial No. 493,869; published Jan. 14, 1947.

Toilet preparations. G. Lane. 429,271; Apr. 29; Serial No. 490,539; published Jan. 14, 1947.

Toilet water. Bergère, Inc. 429,423; Apr. 29; Serial No. 503,494; published Feb. 4, 1947.

Toilet water and perfume. Marie Richelieu Parfum Odesant, Inc. 429,291; Apr. 29; Serial No. 493,515; published Feb. 11, 1947.

Tonic. N. Panoff. 429,273; Apr. 29; Serial No. 490,764; published Jan. 14, 1947.

Tonic, Hair. H. Pizzo. 429,394; Apr. 29; Serial No. 502,531; published Jan. 21, 1947.

Vitamin and mineral preparation. Sharp & Dohme, Incorporated. 429,358; Apr. 29; Serial No. 501,478; published Jan. 14, 1947.

Vitamin B complex products, Natural. Professional Nutrition Products, Inc. 429,370; Apr. 29; Serial No. 501,927; published Feb. 11, 1947.

Vitamin preparation. Sharp & Dohme, Incorporated. 429,371; Apr. 29; Serial No. 501,931; published Feb. 11, 1947.

Water repellent finish and fabric size. Eaton-Clark Company. 429,334; Apr. 29; Serial No. 500,530; published Feb. 11, 1947.

Weed killer. United States Rubber Company. 429,336; Apr. 29; Serial No. 500,637; published Feb. 4, 1947.

CLASS 8

Dispensers, Cigarette. F. Sineath. 429,300; Apr. 29; Serial No. 494,981; published Feb. 11, 1947.

Filtering tips. W. J. Heiland. 429,295; Apr. 29; Serial No. 494,503; published Feb. 11, 1947.

CLASS 9

Ammunition. Remington Arms Company, Inc. 223,997; renewed Feb. 15, 1947. O. G. Apr. 29.

CLASS 11

Ink and inking pads. Bates Manufacturing Company. 225,246; renewed Mar. 15, 1947. O. G. Apr. 29.

CLASS 12

Awnings composed of metal, Door and window. Lumin-Aire Manufacturing Co. 429,453; Apr. 29; Serial No. 508,229; published Feb. 11, 1947.

Brick, fire brick, blocks, etc., Building. Internationel la Siporex Aktiebolaget. 429,311; Apr. 29; Serial No. 497,667; published Feb. 11, 1947.

Cementitious articles, cast or moulded in hollow forms, Porous. F. J. Gelinas. 429,282; Apr. 29; Serial No. 492,263; published Feb. 11, 1947.

Concrete lighting standards, telegraph and telephone poles, and piling, Reinforced. Pacific Union Marbelite Company. 429,452; Apr. 29; Serial No. 507,214; published Feb. 11, 1947.

Construction materials, Lumber and wood. United States Plywood Corporation. 429,397; Apr. 29; Serial No. 502,599; published Feb. 11, 1947.

Mortar, High temperature refractory bonding. A. P. Green Fire Brick Company. 429,456; Apr. 29; Serial No. 508,722; published Feb. 11, 1947.

Plastic material. L. J. Mitter. 429,448; Apr. 29; Serial No. 505,849; published Feb. 11, 1947.

Refractory materials suitable for furnace lining and repairing. Basic Refractories, Inc. 429,463; Apr. 29; Serial No. 509,910; published Feb. 11, 1947.

Tiles which are secured to a backing sheet and which are adapted to be permanently attached to a wall or surface, Mirror-like. Miroflex Products Company, Inc. 429,455; Apr. 29; Serial No. 508,604; published Feb. 11, 1947.

Windows, Metal framed. J. Wendling. 429,454; Apr. 29; Serial No. 508,347; published Feb. 11, 1947.

CLASS 13

Articles of hardware, Certain named. Garden City Plating & Manufacturing Co. 219,124; renewed Oct. 12, 1946. O. G. Apr. 29.

Cast-iron and cast-steel by-pass, angle, and slide valves, etc. Limited Company formerly The Skoda-Works, Plzen. 221,750; renewed Dec. 7, 1946. O. G. Apr. 29.

Utensils and kitchenware, Cooking. Buckeye Aluminum Company. 218,646; renewed Sept. 28, 1946. O. G. Apr. 29.

CLASS 14

Steel, Tool. Columbia Tool Steel Co. 58,181; re-renewed Dec. 11, 1946, O. G. Apr. 29.

Tin, Pig and ingot. Capper Pass & Son Limited. 215,132; renewed July 13, 1946. O. G. Apr. 29.

CLASS 15

Candles. Mack Miller Candle Company. 429,274; Apr. 29; Serial No. 490,953; published Feb. 11, 1947.

CLASS 16

Enamel in the nature of paint. United States Gutta Percha Paint Company. 224,750; renewed Mar. 1, 1947. O. G. Apr. 29.

CLASS 17

Cigarettes. L. Lau. 429,417; Apr. 29; Serial No. 503,208; published Feb. 18, 1947.

Cigars. Otto Eisenlohr & Bros. Incorporated. 219,805; renewed Oct. 26, 1946. O. G. Apr. 29.

Cigars, smoking tobacco, cigarettes, etc. Schroer Brothers. 429,359; Apr. 29; Serial No. 501,539; published Feb. 11, 1947.

CLASS 19

Chassis unit, Rear. Warford Corporation. 224,505; renewed Mar. 1, 1947. O. G. Apr. 29.

CLASS 20

Coverings in the nature of a combination of treated fabric and paper. United Wallpaper, Inc. 429,375; Apr. 29; Serial No. 502,041; published Feb. 4, 1947.

CLASS 21

Batteries, Storage. Atlas Supply Company. 429,438; Apr. 29; Serial No. 504,465; published Feb. 11, 1947.

Batteries, Storage. Sun Oil Company. 429,335; Apr. 29; Serial No. 500,584; published Feb. 11, 1947.

Broilers, Electric. Newark Appliance Corporation, Inc. 429,382; Apr. 29; Serial No. 502,231; published Feb. 11, 1947.

Bushings, electrical heater plug contacts, etc., Strain relief. Heyman Manufacturing Co. 429,385; Apr. 29; Serial No. 502,295; published Feb. 4, 1947.

Cookers, and heating elements therefor, Portable electric table. Moffats Limited. 429,248; Apr. 29; Serial No. 479,354; published Feb. 11, 1947.

Cords, Extensible electrical. Kellogg Switchboard and Supply Company. 429,503; Apr. 29.

Electric broiling apparatus. R. R. Silverman. 429,376; Apr. 29; Serial No. 502,081; published Feb. 4, 1947.

Electric lamps. Raytheon Manufacturing Company. 429,305; Apr. 29; Serial No. 496,271; published Feb. 4, 1947.

Electric loudspeakers and parts therefor. University Loudspeakers, Inc. 429,377; Apr. 29; Serial No. 502,091; published Feb. 4, 1947.

Electric room heaters, portable electric fan and heater combinations. Mimar Products, Inc. 429,392–3; Apr. 29; Serial Nos. 502,525–6; published Feb. 4, 1947.

Electric vacuum tubes and parts thereof; electronic devices. Bernard Rice's Sons, Inc. 429,255; Apr. 29; Serial No. 484,802; published Feb. 4, 1947.

Electric welding machines. Federal Machine and Welder Company. 429,478; Apr. 29.

Electric welding machines. Resistance Welder Corporation. 429,373; Apr. 29; Serial No. 502,010; published Feb. 4, 1947.

Electrical appliances. Plymouth Wholesale Dry Goods Corporation. 429,264; Apr. 29; Serial No. 488,423; published Feb. 4, 1947.

Insulating material. Okonite Company. 429,360–1; Apr. 29; Serial Nos. 501,586–7; published Feb. 4, 1947.

Insulating paints, varnishes, lacquers. Insl-X Company, Inc. 429,243; Apr. 29; Serial No. 472,005; published Feb. 11, 1947.

Light control system, Farmyard. F. M. Thomson. 429,303; Apr. 29; Serial No. 495,421; published Feb. 4, 1947.

Lights, Portable fluorescent battery operated. Paramount Industries, Inc. 429,286; Apr. 29; Serial No. 493,022; published Feb. 11, 1947.

Microphones. Telex, Inc. 429,310; Apr. 29; Serial No. 497,507; published Feb. 11, 1947.

Motors, dynamos, and generating sets and parts thereof, etc., Electric. B. F. Sturtevant Company. 224,006; renewed Feb. 15, 1947. O. G. Apr. 29.

Phonographs, Electric. Lincoln Electronics Corporation. 429,306; Apr. 29; Serial No. 496,719; published Feb. 11, 1947.

Protective coatings, Electrical. Michigan Chrome & Chemical Company. 429,387; Apr. 29; Serial No. 502,313; published Feb. 4, 1947.

Radio receiving sets, loud speakers, sound amplifiers, etc. Hallicrafters Co. 429,280; Apr. 29; Serial No. 491,973; published Feb. 4, 1947.

Radio supply parts. Leslie F. Muter Co. 224,334; renewed Feb. 22, 1947. O. G. Apr. 29.

Sound equipment. David Bogen Company, Inc. 429,247; Apr. 29; Serial No. 478,107; published Feb. 4, 1947.

Vending machines. Automatic Canteen Company of America. 429,240; Apr. 29; Serial No. 466,565; published Feb. 11, 1947.

Wires and cable, Insulated and protected electrical conducting. Simplex Wire & Cable Company. 219,606; renewed Oct. 19, 1946. O. G. Apr. 29.

CLASS 22

Dolls. R. de Vries. 429,365; Apr. 29; Serial No. 501,832; published Dec. 3, 1946.

Fishing rod handles. Midwest Aircraft Products, Inc. 429,496; Apr. 29.

Games comprising boards with apertures therein and discs. I. C. Scudder. 429,487; Apr. 29.

Jackets, Short, sleeveless, buoyant. Air Cruisers, Inc. 429,491; Apr. 29.

Toy adding machines. L. Ratner. 429,390; Apr. 29; Serial No. 502,456; published Feb. 18, 1947.

Toy animals, dolls, puzzles, etc. Hale Bros., Inc. 217,926; renewed Sept. 14, 1946. O. G. Apr. 29.

Toy building-blocks, mosaic games, metal parts for constructing toy bridges, etc. F. A. Richter. 59,818; re-renewed Jan. 15, 1947. O. G. Apr. 29.

Toy guitars. E. & M. Refinishers. 429,294; Apr. 29; Serial No. 494,315; published Feb. 18, 1947.

Toy pistol holsters, golf bags, and bowling ball bags. Protection Products Co. 429,521; Apr. 29.

Wire for trolling purposes, linen leader line, rubber trolling tubing, etc., Plated music. Pacific Marine Supply Co. 224,908; renewed Mar. 8, 1947. O. G. Apr. 29.

CLASS 23

Abrading, grinding, and lapping machines. Norton Company. 429,505; Apr. 29.

Compressors, vacuum pumps, pump strainers, etc., Gas. Nash Engineering Company. 219,353; renewed Oct. 19, 1946. O. G. Apr. 29.

Embroidering machines, knitting machines, lace machines, etc. Societe Anonyme Adolphe Saurer. 429,495; Apr. 29.

Grinders or pulverizers. Prater Pulverizer Company. 221,915; renewed Dec. 14, 1946. O. G. Apr. 29.

Internal combustion engines. Crosley Motors, Inc. 429,520; Apr. 29.

Pumps, Centrifugal. M. T. Davidson Company. 225,245; renewed Mar. 15, 1947. O. G. Apr. 29.

Sprayer-dusters, Agricultural equipment. Buffalo Turbine Agricultural Equipment Co., Inc. 429,512; Apr. 29.

Taps, chaser grinding machines, thread grinding machines, etc., Collapsible. Landis Machine Company. 429,522; Apr. 29.

Tool parts. S. S. White Dental Manufacturing Company. 218,950; renewed Oct. 5, 1946. O. G. Apr. 29.

Turbines, turbine engines, pumps, etc. Nash Engineering Company. 219,354; renewed Oct. 19, 1946. O. G. Apr. 29.

Wrenches. G. G. Kaufman. 429,497; Apr. 29.

CLASS 24

Ironing boards, Portable. Mil-Roy Manufacturing Company. 429,444; Apr. 29; Serial No. 504,856; published Feb. 11, 1947.

Laundry machines. Nineteen Hundred Corporation. 429,400; Apr. 29; Serial No. 502,659; published Feb. 11, 1947.

Pressing, shaping and drying forms and related appliances. United States Hoffman Machinery Corporation. 429,304; Apr. 29; Serial No. 496,114; published Feb. 4, 1947.

Washing, drying and ironing machines and parts thereof, Clothes. Academy Award Products, Inc. 429,326; Apr. 29; Serial No. 500,351; published Feb. 11, 1947.

CLASS 25

Door, safe, automobile, sash and baggage locks and padlocks. Academy Award Products, Inc. 427,327; Apr. 29; Serial No. 500,441; published Feb. 11, 1947.

Safes and safety cabinets. Mosler Safe Company. 222,533; renewed Jan. 4, 1947. O. G. Apr. 29.

CLASS 26

Apparatus for testing photographic exposure of a light-sensitive paper. Ciné Pro Corporation. 429,416; Apr. 29; Serial No. 503,158; published Feb. 11, 1947.

Camera cases. Louis Lefkowitz & Bro., Inc. 429,508; Apr. 29.

Camera supporting devices, picture holders, picture viewers and color pictures. Radex Stereo Company. 429,386; Apr. 29; Serial No. 502,331; published Feb. 11, 1947.

Gaging instruments and parts thereof. Sheffield Corporation. 429,434; Apr. 29; Serial No. 504,299; published Feb. 11, 1947.

Optical instruments, Precision. National Sales, Inc. 429,372; Apr. 29; Serial No. 502,001; published Feb. 11, 1947.

Photographic sensitized paper and contact printer, and printing frames. Devolite Corporation. 429,439; Apr. 29; Serial No. 504,607; published Feb. 18, 1947.

Speedometers, Marine. Olympic Instruments Laboratories. 429,445; Apr. 29; Serial No. 504,925; published Feb. 18, 1947.

CLASS 27

Chronometers, pocket watches and wrist watches, Marine and pocket. Ulysse Nardin, Societe Anonyme, Chronométrie de Marine et de Poche. 429,250; Apr. 29; Serial No. 480,634; published Feb. 4, 1947.

Clocks, Electric. Sheffield Instrument Corporation. 429,374; Apr. 29; Serial No. 502,017; published Feb. 4, 1947.

Clocks, watches, and parts thereof. New Haven Clock Company. 429,352; Apr. 29; Serial No. 501,264; published Feb. 4, 1947.

Watches and clocks. Academy Award Products, Inc. 429,328; Apr. 29; Serial No. 500,442; published Feb. 11, 1947.

Watches and clocks, both cased and uncased, and parts therefor. United States Time Corporation. 429,443; Apr. 29; Serial No. 504,804; published Feb. 4, 1947.

Watches and parts of watches. Ditisheim & Cie. Fabriques Vulcain et Volta. 429,418; Apr. 29; Serial No. 503,246; published Feb. 11, 1947.

CLASS 28

Jewelry. Arlé Jewel, Inc. 429,425; Apr. 29; Serial No. 503,545; published Feb. 11, 1947.

Jewelry, Emblem. Herff-Jones Company. 429,422; Apr. 29; Serial No. 503,443; published Feb. 11, 1947.

Jewelry, Non-precious costume. A. Rand. 429,431; Apr. 29; Serial No. 503,940; published Feb. 11, 1947.

Lighters, Cigarette and pipe. Lektrolite Corporation. 429,437; Apr. 29; Serial No. 504,442; published Feb. 4, 1947.

Necklaces, bracelets, finger rings, etc. Coro, Inc. 429,391; Apr. 29; Serial No. 502,494; published Dec. 31, 1946.

Pins, brooches, earrings, etc., Ornamental. Associated Products, Inc. 429,436; Apr. 29; Serial No. 504,418; published Feb. 11, 1947.

Rings and ring mountings, Finger. Waxman Incorporated. 429,433; Apr. 29; Serial No. 504,139; published Feb. 11, 1947.

Rings, earrings, bracelets, etc., Finger. H. Weinreich Company, Inc. 429,256; Apr. 29; Serial No. 485,428; published Feb. 11, 1947.

Rings, earrings, bracelets, etc., Finger. H. Weinreich Company, Inc. 429,258; Apr. 29; Serial No. 485,803; published Feb. 11, 1947.

Silver and silverplated flatware, hollowware, and cutlery, Sterling. Alvin Corporation. 429,403–4; Apr. 29; Serial Nos. 503,036–7; published Feb. 11, 1947.

Silver and silverplated flatware, hollowware, and cutlery, Sterling. Alvin Corporation. 429,405; Apr. 29; Serial No. 503,040; published Feb. 11, 1947.

Silver and silverplated flatware, hollowware, and cutlery, Sterling. Gorham Manufacturing Company. 429,407–8; Apr. 29; Serial Nos. 503,078–9; published Feb. 11, 1947.

Silver and silverplated flatware, hollowware, and cutlery, Sterling. Gorham Manufacturing Company. 429,409; Apr. 29; Serial No. 503,084; published Feb. 11, 1947.

Sterling silver and silverplated flatware, hollowware, and cutlery. Gorham Manufacturing Company. 429,410–11; Apr. 29; Serial Nos. 503,087–8; published Feb. 11, 1947.

CLASS 29

Brushes and household dusters, Hair, whisk, nail, etc. Academy Award Products, Inc. 429,329; Apr. 29; Serial No. 500,444; published Feb. 11, 1947.

CLASS 31

Filters, automatic sand filters, non-atomizing wash filters, etc., Automatic vacuum. Filtration Engineers, Incorporated. 429,458; Apr. 29; Serial No. 509,648; published Feb. 11, 1947.

CLASS 32

Tables, Library and living-room. Brandt Cabinet Works. 209,022; renewed Feb. 16, 1946. O. G. Apr. 29.

CLASS 33

Glass products, Sheet. Pittsburgh Plate Glass Company. 429,254; Apr. 29; Serial No. 484,179; published Jan. 7, 1947.

CLASS 34

Burners, Fuel oil. Automatic Burner Corporation. 429,427; Apr. 29; Serial No. 503,695; published Feb. 11, 1947.

Generator for use in curing tobacco, Automatically controlled coal burning heat. L. G. Briggs. 429,401; Apr. 29; Serial No. 502,684; published Feb. 11, 1947.

Heaters, air washers, fuel economizers, etc., Air. B. F. Sturtevant Company. 224,293; renewed Feb. 22, 1947. O. G. Apr. 29.

Shades, Lamp. Commercial Products Corporation. 429,462; Apr. 29; Serial No. 509,827; published Feb. 11, 1947.

Stoves and ranges, Heating and cooking. Blakesley-Tuttle Stove Co. 57,213; re-renewed Dec. 11, 1946. O. G. Apr. 29.

CLASS 35

Belting, Leather. Chas. A. Schieren & Co. 61,453; re-renewed Mar. 19, 1947. O. G. Apr. 29.

CLASS 36

Phonographs. Sears, Roebuck and Co. 220,659; renewed Nov. 16, 1946. O. G. Apr. 29.

CLASS 37

Albums, scrap books, guest books, etc. C. Krown. 429,506; Apr. 29.

Loose-leaf structures, as ring books, post binders, and ledgers. National Blank Book Co. 225,171; renewed Mar. 15, 1947. O. G. Apr. 29.

Paper generally, stereotyping tissues and copying tissues, Tissue. Brittains, Limited. 222,998; renewed Jan. 11, 1947. O. G. Apr. 29.

Paper, Moisture-proof treated. Protective Coatings Corporation. 429,415; Apr. 29; Serial No. 503,129; published Feb. 18, 1947.

Paper sheets. Champagne Paper Corporation. 429,281; Apr. 29; Serial No. 492,129; published June 11, 1946.

Papers, Writing and drawing. R. J. Balston. 57,014–15; re-renewed Oct. 30, 1946. O. G. Apr. 29.

Tissue, Toilet. United Paper Corporation. 224,625; renewed Mar. 1, 1947. O. G. Apr. 29.

Tissues, Paper. M. Kennerley. 429,287; Apr. 29; Serial No. 493,065; published Feb. 11, 1947.

Wallpaper, writing paper, note paper, etc. Plymouth Wholesale Dry Goods Corporation. 429,442; Apr. 29; Serial No. 504,698; published Feb. 18, 1947.

CLASS 38

Magazine, Monthly. Southwest Magazine Company. 225,064; renewed Mar. 8, 1947. O. G. Apr. 29.

Newspaper, Daily. Albany Evening Union Company. 218,919; renewed Oct. 5, 1946. O. G. Apr. 29.

CLASS 39

Blouses and waists, Boys'. Lubell Bros. 59,704; re-renewed Jan. 15, 1947. O. G. Apr. 29.

Boots, shoes, and slippers. Jowers, Holland & Co. Limited. 429,239; Apr. 29; Serial No. 462,506; published Feb. 11, 1947.

Brassières. Allhi Products. 429,260; Apr. 29; Serial No. 486,708; published Dec. 31, 1946.

Coats, suits, and dresses, Women's and Misses'. Hecht Co. 219,684; renewed Oct. 19, 1946. O. G. Apr. 29.

Dresses, Women's. Goldwasser Maternity Dresses Inc. 429,307; Apr. 29; Serial No. 496,957; published Dec. 31, 1946.

Dresses, Women's and children's. Fashion Frocks, Inc. 224,748; renewed Mar. 1, 1947. O. G. Apr. 29.

Dungarees and slacks. I. C. Isaacs & Co., Inc. 429,493; Apr. 29.

Garments, Children's. A. Rosenbaum. 429,302; Apr. 29; Serial No. 495,258; published Feb. 11, 1947.

Gloves. Century Glove Company. 429,331; Apr. 29; Serial No. 500,459; published Feb. 11, 1947.

Handkerchiefs. Douglas & Green Inc. 217,516; renewed Aug. 31, 1946. O. G. Apr. 29.

Hats, Men's. Adam Hat Stores Inc. 429,363; Apr. 29; Serial No. 501,704; published Feb. 11, 1947.

Hosiery. Sears, Roebuck and Co. 219,332; renewed Oct. 19, 1946. O. G. Apr. 29.

Pants, work shirts, overalls, etc., Men's and boys' work. Carwood Manufacturing Company. 429,337; Apr. 29; Serial No. 500,856; published Dec. 31, 1946.

Protectors, Clothing. Associated Bag & Apron Co. 429,270; Apr. 29; Serial No. 490,519; published Feb. 11, 1947.

Shirts and hosiery, Polo. Infants Socks, Inc. 429,446; Apr. 29; Serial No. 505,106; published Dec. 31, 1946.

Shoes. Harry Eby Shoe Co., Inc. 222,581; renewed Jan. 4, 1947. O. G. Apr. 29.

Shoes. Gilbert Shoe Co. 429,384; Apr. 29; Serial No. 502,286; published Feb. 11, 1947.

Shoes. New York Merchandise Co., Inc. 213,502; renewed June 1, 1946. O. G. Apr. 29.

Shoes, Ladies'. M. Wolf's Sons, Inc. 429,296; Apr. 29; Serial No. 494,643; published Feb. 11, 1947.

Slips, housecoats, blouses, etc. Eastern Isles Importing Co. Inc. 429,396; Apr. 29; Serial No. 502,565; published Dec. 31, 1946.

Topcoats and overcoats, Men's and boys'. Jacob Siegel Company. 429,290; Apr. 29; Serial No. 493,462; published Feb. 11, 1947.
Underwear, Babies' knit and woven. Carson Pirie Scott & Company. 222,042; renewed Dec. 21, 1946. O. G. Apr. 29.

CLASS 40

Braids, Millinery. American Glossite Company, Inc. 429,350; Apr. 29; Serial No. 501,151; published Feb. 18, 1947.
Combs, Molded plastic. E. S. Tupper. 429,312; Apr. 29; Serial No. 498,039; published Feb. 18, 1947.
Hooks and knitting needles, Crochet. C. J. Bates & Son. 429,398; Apr. 29; Serial No. 502,618; published Feb. 18, 1947.
Spangles and sequins. American Spangle Corp. 429,279; Apr. 29; Serial No. 491,609; published Feb. 11, 1947.
Toilet-pins and glass-headed pins. Abel Morrall Limited. 58,432; re-renewed Dec. 18, 1946. O. G. Apr. 29.

CLASS 41

Canes, umbrellas, parasols, etc. Academy Award Products, Inc. 429,330; Apr. 29; Serial No. 500,451; published Feb. 11, 1947.
Parasols and umbrellas. Consolidated Cosmetics. 429,428; Apr. 29; Serial No. 503,802; published Feb. 18, 1947.
Umbrella handles, Molded. Molded Plastic Products. 429,297; Apr. 29; Serial No. 494,696; published Feb. 11, 1947.
Umbrellas and covers for umbrellas. Polan, Katz & Company, Inc. 429,450; Apr. 29; Serial No. 506,125; published Feb. 11, 1947.
Umbrellas and parasols. M. Altshuler. 429,285; Apr. 29; Serial No. 492,674; published Feb. 11, 1947.

CLASS 42

Cotton piece goods, sheets, and pillowcases. J. C. Penney Company. 220,449; renewed Nov. 9, 1946. O. G. Apr. 29.
Curtains, drapes, spreads, etc., Window. House Beautiful Curtains Inc. 429,275; Apr. 29; Serial No. 491,011; published Jan. 14, 1947.
Fabrics in the piece, made of cotton, rayon, wool, etc. Lorraine Manufacturing Company. 429,338; Apr. 29; Serial No. 500,888; published Feb. 11, 1947.
Fabrics of silk and rayon. S. T. Palay Textile Corporation. 429,269; Apr. 29; Serial No. 489,754; published Oct. 22, 1946.
Goods in the piece, towels, and toweling, Crash. Startex Mills. 429,482–3; Apr. 29.
Piece goods of synthetic and natural fibres and mixtures thereof. Verney Fabrics Corporation. 429,252; Apr. 29; Serial No. 483,401; published Feb. 11, 1947.
Rugs, Braided. O. C. Collins. 429,519; Apr. 29.
Rugs, Hand-loomed cotton. O. C. Collins. 429,518; Apr. 29.
Sheets, pillowcases, bedspreads, etc. Ely & Walker Dry Goods Company. 218,143; renewed Sept. 21, 1946. O. G. Apr. 29.
Woolen and wool and mixed woven piece goods. Rittenberg Bros. 224,545; renewed Mar. 1, 1947. O. G. Apr. 29.
Woolen and worsted piece goods. Anglo Fabrics Company, Inc. 429,378–9; Apr. 29; Serial Nos. 502,102–3; published Feb. 11, 1947.
Woolen and worsted piece goods. Anglo Fabrics Company, Inc. 429,380; Apr. 29; Serial No. 502,105; published Feb. 11, 1947.

CLASS 43

Thread and yarn. North American Rayon Corporation. 429,451; Apr. 29; Serial No. 506,190; published Feb. 11, 1947.
Thread and yarn. Smith & Dove Mfg. Co. 57,982; re-renewed Dec. 4, 1946. O. G. Apr. 29.
Thread, silk thread, and knitting wool, Cotton. Consolidated Cosmetics. 429,429; Apr. 29; Serial No. 503,803; published Feb. 18, 1947.
Threads and yarns, Flax. Smith & Dove Mfg. Co. 58,928; re-renewed Dec. 25, 1946. O. G. Apr. 29.
Wool yarn. John Dritz & Sons. 429,381; Apr. 29; Serial No. 502,127; published Feb. 11, 1947.
Yarns and thread. J. Gibbons. 429,435; Apr. 29; Serial No. 504,355; published Feb. 18, 1947.
Yarns, Woolen and worsted hand knitting. Ayr Scotch Wools, Incorporated. 429,449; Apr. 29; Serial No. 505,886; published Feb. 11, 1947.

CLASS 44

Diaphragm introducers. Ortho Pharmaceutical Corporation. 429,474; Apr. 29; Serial No. 514,287; published Feb. 18, 1947.
Rubber articles, Prophylactic. Youngs Rubber Corporation. 429,472–3; Apr. 29; Serial No. 513,706–7; published Feb. 18, 1947.

CLASS 45

Soft drinks, Certain named. Eureka Springs Water Company. 58,855; re-renewed Dec. 25, 1946. O. G. Apr. 29.

CLASS 46

Baking powder. Woolson Spice Company. 225,392; renewed Mar. 15, 1947. O. G. Apr. 29.
Cakes, Coffee. L. Stiles. 429,479; Apr. 29.
Canned boned chicken and broth. Washington Creamery Company. 429,510; Apr. 29.
Canned peas. Waterloo Canning Association. 225,315; renewed Mar. 15, 1947. O. G. Apr. 29.
Cocoa. Hollandsche Cacao-en Chocoladefabrieken v/h Bensdorp & Co. 190,351; renewed Oct. 14, 1944. O. G. Apr. 29.
Coffee. American Coffee Corporation. 224,889; renewed Mar. 8, 1947. O. G. Apr. 29.
Cookies, cakes, crackers, etc. Keebler Weyl Baking Co. 221,594; renewed Dec. 7, 1946. O. G. Apr. 29.
Flavoring extracts. H. Kohnstamm & Co. Inc. 429,492; Apr. 29.
Flour, Wheat. Washburn-Crosby Company. 61,763; re-renewed Apr. 2, 1947. O. G. Apr. 29.
Flour, Wheat. Washburn Crosby Company. 220,306; renewed Nov. 9, 1946. O. G. Apr. 29.
Macaroni, spaghetti, noodles, etc. Rocco's Macaroni Manufacturing Co. Inc. 429,511; Apr. 29.
Poultry and eggs, Dressed. Wadley Company. 223,146; renewed Jan. 18, 1947. O. G. Apr. 29.
Raisins, Dried. Sun-maid Raisin Growers of California. 224,807; renewed Mar. 8, 1947. O. G. Apr. 29.
Salt. Alex Kerr Bro. & Co. Inc. 221,905; renewed Dec. 14, 1946. O. G. Apr. 29.
Spices. Woolson Spice Company. 224,518; renewed Mar. 1, 1947. O. G. Apr. 29.
Tomatoes, Fresh. Fairchester Packing Co. 429,475; Apr. 29.
Wafers, Milk-chocolate. Ideal Cocoa & Chocolate Company. 224,525; renewed Mar. 1, 1947. O. G. Apr. 29.

CLASS 50

Hanger, Garment. L. H. Zeuthen. 429,313; Apr. 29; Serial No. 498,048; published Feb. 11, 1947.
Memorials. Jones Brothers Co. 215,623; renewed July 20, 1946. O. G. Apr. 29.
Metal foil and plastic film product, Flexible laminated. Plastic Film Corporation. 429,246; Apr. 29; Serial No. 477,162; published Feb. 11, 1947.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 29TH DAY OF APRIL, 1947

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Allied Railway Equipment Company, assignee: *See*—
Moline, Carl R.
Detroit Edison Company, The, assignee: *See*—
Matthews, George A.
Matthews, George A., assignor to The Detroit Edison Company, Detroit, Mich. Apparatus for protecting power lines. Re. 22,872; Apr. 29.
Matthews, George A., assignor to The Detroit Edison Company, Detroit, Mich. Electrical distribution system. Re. 22,873; Apr. 29.
Moline, Carl R., Homewood, Ill., assignor to Allied Railway Equipment Company. Brake head retaining mechanism for brake beams. Re. 22,874; Apr. 29.

LIST OF DESIGN PATENTEES

Adel Precision Products Corp., assignee: *See*—
Storm, Frederick K.
Bates, Irven B., Los Angeles, Calif. Food tray or similar article. 146,697; Apr. 29.
Better Packages Incorporated, assignee: *See*—
Hillmer, Herman H.
Cheney, Rose A., Savannah, Ga. Hooded storm coat for dogs. 146,698; Apr. 29.
Chernow, Michael, New York, N. Y. Earring or similar article. 146,699; Apr. 29.
Cohn, Gustave, Hartsdale, N. Y. Slipper. 146,700; Apr. 29.
Cohn, Gustave, Hartsdale, N. Y. Slipper. 146,701; Apr. 29.
Cohn, Gustave, Hartsdale, N. Y. Slipper. 146,702; Apr. 29.
Decker, George H., Beaumont, Calif. Ash tray. 146,703; Apr. 29.
Del Valle, Guillermo A., Merchantville, N. J., assignor to Radio Corporation of America. Combined sound motion picture projector, amplifier, and loudspeaker. 146,704; Apr. 29.
Denning, Maurice J., St. Charles, assignor to The Emerson Electric Manufacturing Company, St. Louis, Mo. Electric sadiron. 146,705; Apr. 29.
Druban, Renee J., Starke, Fla. Belt buckle. 146,706; Apr. 29.
Emerson Electric Manufacturing Company, The, assignee: *See*—
Denning, Maurice J.
Endicott Johnson Corporation, assignee: *See*—
Hickey, James J.
Evans Products Company, assignee: *See*—
Schueder, George, and Teague.
Fitzgerald, Albert J., Syracuse, N. Y., assignor to General Electric Company. Woven metal fabric or the like. 146,707; Apr. 29.
Fitzgerald, Albert J., Syracuse, N. Y., assignor to General Electric Company. Woven metal fabric or the like. 146,708; Apr. 29.
Fitzgerald, Albert J., Syracuse, N. Y., assignor to General Electric Company. Woven metal fabric or the like. 146,709; Apr. 29.
Fitzgerald, Albert J., Syracuse, N. Y., assignor to General Electric Company. Woven metal fabric or the like. 146,710; Apr. 29.
Freedman, Jules, New York, N. Y. Coat. 146,711; Apr. 29.
Freedman, Jules, New York, N. Y. Coat. 146,712; Apr. 29.
General Electric Company, assignee: *See*—
Fitzgerald, Albert J.
Genske, Hugh, Philadelphia, Pa. Bottle. 146,713; Apr. 29.
Hickey, James J., Binghamton, assignor to Endicott Johnson Corporation, Endicott, N. Y. Shoe. 146,714; Apr. 29.
Hickey, James J., Binghamton, assignor to Endicott Johnson Corporation, Endicott, N. Y. Shoe. 146,715; Apr. 29.
Hillmer, Herman H., Omaha, Nebr., assignor to Better Packages Incorporated, Shelton, Conn. Tape-dispensing machine. 146,716; Apr. 29.
Hiltenbrand, Frank X., Weehawken, N. J., assignor to Harry Rosenfeld, Inc., New York, N. Y. Ornament for handbags or the like. 146,717; Apr. 29.
Hudson, Jesse B., Philadelphia, Pa. Tape dispenser. 146,718; Apr. 29.
Kaufman, William, Winfield Park, N. J. Clothespin. 146,719; Apr. 29.
Kropp, Roy A., River Forest, Ill. Walking animal figure. 146,720; Apr. 29.
Lauer, Henry A., Chicago, Ill. Sheet of metal or similar flat surface material. 146,721; Apr. 29.
Leitner, Arthur S., Los Angeles, Calif. Boot hook. 146,722; Apr. 29.
Levy, Abraham, assignor to Parfum L'Orle, Inc., New York, N. Y. Shaving soap bowl or the like. 146,723; Apr. 29.
Parfum L'Orle, Inc., assignee: *See*—
Levy, Abraham.
Radio Corporation of America, assignee: *See*—
Del Valle, Guillermo A.
Rosenfeld, Harry, Inc., assignee: *See*—
Hiltenbrand, Frank X.
Ryan, John E., Danbury, Conn. Shoe sole. 146,724; Apr. 29.
Schmitz, Val A., Manhasset, assignor to The F. & M. Schaefer Brewing Co., Brooklyn, N. Y. Holder for beer foam scrapers or similar article. 146,725; Apr. 29.
Schueder, George, Dearborn, Mich., and W. D. Teague, New York, N. Y., assignors to Evans Products Company, Detroit, Mich. Heating apparatus. 146,726; Apr. 29.
Shaefer, F. & M., The, Brewing Co., assignee: *See*—
Schmitz, Val A.
Shyer, Joseph, assignor to Zylo Ware Corporation, Long Island City, N. Y. Spectacle frame. 146,727; Apr. 29.
Storm, Frederick K., Los Angeles, Calif., assignor to Adel Precision Products Corp. Barbecue tongs. 146,728; Apr. 29.
Storm, Frederick K., Los Angeles, Calif., assignor to Adel Precision Products Corp. Barbecue fork. 146,729; Apr. 29.
Teague, Walter D.: *See*—
Schueder, George, and Teague.
Tuve, Richard L., Silver Spring, Md. Foam generating apparatus. 146,730; Apr. 29.
Vaccerello, Raymond, assignor of one-half to S. Vaccarello, Los Angeles, Calif. Poker chip holder. 146,731; Apr. 29.
Vaccarello, Sam: *See*—
Vaccarello, Raymond.
Walker, Jane, New York, N. Y. Jacket. 146,732; Apr. 29.
Zelo Ware Corporation, assignee: *See*—
Shyer, Joseph.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 29TH DAY OF APRIL, 1947

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott Laboratories, Inc., assignee: *See*—
    Weston, Arthur W., and Hoffman.
Acton, Russel D., Danville, Ill. Snow vehicle. 2,419,522; Apr. 29.
Adair, George A., Elmira, N. Y. Fishhook retaining clip. 2,419,753; Apr. 29.
Adair, Paul F., Dayton, Ohio. Carburetor. 2,419,523; Apr. 29.
Adams, Joseph N., Orange, assignor to California Fruit Growers Exchange, Los Angeles, Calif. Brace for boxed produce loads. 2,419,754; Apr. 29.
Adhesive Development Co., assignee: *Se*—
    Avery, Ray S.
Airdesign & Fabrication, Inc., assignee: *See*—
    Pamphilon, Leon E.
Albano, Edmond, New York, N. Y. Window sash. 2,419,524; Apr. 29.
Albaugh, Frederick W., Inglewood, assignor to Union Oil Company of California, Los Angeles, Calif. Chemical treatment of oil sands. 2,419,755; Apr. 29.
Albert, A. M., assignee: *See*—
    James, Robert H.
Alford, Andrew, New York, N. Y., assignor to Federal Telephone and Radio Corporation. Radio beacon. 2,419,525; Apr. 29.
Alm, Einar E., Stockholm, Sweden. Assembler for line casting machines. 2,419,700; Apr. 29.
Aluminum Company of America, assignee: *See*—
    Andrews, Raynal W., and Delly.
American Bosch Corporation, assignee: *See*—
    Henschke, William O.
American Can Company, assignee: *See*—
    White, Richard J.
American Chain & Cable Company, Inc., assignee: *See*—
    Berchtold, Wallace W.
American Cyanamid Company, assignee: *See*—
    Frank, Albert R., and Booth.
    Nolan, Kenneth G., and Hechenbleikner.
American Optical Company, assignee: *See*—
    Ellis, Charles A., and Severy.
American Thermo Appliance Co., assignee: *See*—
    Busch, Fred, and Wild.
American Viscose Corporation, assignee: *See*—
    Stanley, Richard W.
Anderson, Douglas G., assignor to Hardinge Brothers, Inc., Elmira, N. Y. Lathe spindle drive. 2,419,622; Apr. 29.
Anderson, John W., Newtown, Conn. Sleeveless expellant holder for lipstick or the like. 2,419,526; Apr. 29.
Andrews, Raynal W., Jr., New Kensington, and A. T. Delly, assignors to Aluminum Company of America, Pittsburgh, Pa. Metal drawing apparatus. 2,419,870; Apr. 29.
Anthes Force Oiler Company, assignee: *See*—
    Tolbert, William P.
Armstrong Cork Company, assignee: *See*—
    Johnson, Norman A., and Stern.
Arnold, Luther B., Jr., Richmond, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Sizing packages of yarn. 2,419,756; Apr. 29.
Asselin, James H., Winnetka, Ill. Rail brace. 2,419,701; Apr. 29.
Attorney General of the United States, assignee:: *See*—
    Lampel, Walter, and Hörndlein.
    Roosenstein, Hans O.
Austin Company, The, assignee: *See*—
    Short, Leo C., and Iwen.
Autogiro Company of America, assignee: *See*—
    Stanley, Paul H.
Avery, Ray S., assignor to Adhesive Development Co., Los Angeles, Calif. Self-threading dispenser. 2,419,809; Apr. 29.
Ayers, Fred L., Waltham, Mass., assignor of twenty-two one-hundredths to C. G. Keferstein, New York, N. Y. Innersole and making the same. 2,419,871; Apr. 29.
Bacon, Leslie R.: *See*—
    Wegst, Walter F., Bacon, and Vaughn.
Baillie, Granville H., London, assignor to Pilkington Brothers Limited, Liverpool, England. Apparatus for simultaneously polishing both faces of a travelling strip of glass. 2,419,927; Apr. 29.
Barnes, Frederick A., Cleveland Heights, Ohio. Quick detachable coupling. 2,419,702; Apr. 29.
Barron-Gray Packing Company, assignee: *See*—
    Gray, Herbert E., and Erickson.
Bartelink, Everhard H. B., West Milton, N. Y., assignor to General Electric Company. Radio frequency transmitter monitoring system and method. 2,419,527; Apr. 29.
Bartlett, Benson G. W., Darlington, England. Power transmission gear. 2,419,703; Apr. 29.
Beall, Frank H., Maplewood, N. J. Motor vehicle control apparatus. 2,419,810; Apr. 29.
Beall, Frank H., Detroit, Mich. Dual engine powered motor vehicle and control mechanism therefor. 2,419,811; Apr. 29.
Bearse, Arthur E., and J. E. Leonard, Columbus, Ohio, assignors, by mesne assignments, to Standard Oil Company, Chicago, Ill. Preparing a methylcyclopentene dimer. 2,419,668; Apr. 29.
Beckwith Manufacturing Company, assignee: *See*—
    Colella, Gerald S.
Beder, Samuel L., assignor of one-half to Irwin F. Mills Associates, New York, N. Y. Toy. 2,419,872; Apr. 29.
Bedford, Alda V., Princeton, N. J., assignor to Radio Corporation of America. Servo mechanism circuits. 2,419,812; Apr. 29.
Bell Telephone Laboratories, Incorporated, assignee: *See*—
    Christensen, Carl J.
    Feldman, Carl B. H.
    Friis, Harald T.
    Laico, Joseph P., and Ronci.
    MacPherson, Hugh D.
    McDavitt, Marcellus B.
    Willard, Gerald W.
Bellsnyder, Thomas, Sr., and R. Ritchie, Birmingham, Ala. Mold and core and casting in same. 2,419,873; Apr. 29.
Bendix Aviation Corporation, assignee: *See*—
    Hayes, William W.
Berchtold, Wallace W., York, Pa., assignor to American Chain & Cable Company, Inc., Bridgeport, Conn. Crane. 2,419,813; Apr. 29.
Berkson, Louis E., Fresno, Calif. F-bar key for saxophones. 2,419,874; Apr. 29.
Bettcher, Mortimer L., Montgomery County, assignor to The Duriron Company, Inc., Dayton, Ohio. Shaft seal. 2,419,623; Apr. 29.
Biegel, John, Kansas City, Mo., assignor to Phillips Petroleum Company. Catalytic conversion apparatus. 2,419,528; Apr. 29.
Binneweg, Abraham, Jr., Oakland, Calif. Mounted flat element radio tube. 2,419,757; Apr. 29.
Birdseye, Clarence, assignor to Dehydration, Inc., Gloucester, Mass. Dehydrating food by radiant energy and gas. 2,419,875; Apr. 29.
Birdseye, Clarence, assignor to Dehydration, Inc., Gloucester, Mass. Dehydration apparatus having conveyors, agitators, radiant heaters, and gas circulating means. 2,419,876; Apr. 29.
Birdseye, Clarence, assignor to Dehydration, Inc., Gloucester, Mass. Improving and preserving food products. 2,419,877; Apr. 29.
Birmann, Rudolph, Newtown, Pa., assignor, by mesne assignments, to Federal Reserve Bank of Philadelphia. Diffuser for centrifugal compressors. 2,419,669; Apr. 29.
Birtman Electric Company, assignee: *See*—
    Howard, Frank S.
Bishop, George A., Vancouver, British Columbia, Canada. Rivet heating pot. 2,419,878; Apr. 29.
Black, Zizz, San Francisco, Calif. Display case. 2,419,624; Apr. 29.
Blades, Blythe O., Los Angeles, Calif. Garment hanger. 2,419,879; Apr. 29.
Bloomer Bros. Company, assignee: *See*—
    Inman, William H.
Blyler, Lee L., Spotswood, J. W. Clough, Parlin, C. W. Hawley, New Brunswick, and E. C. Pitman, Red Bank, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polyvinyl resin adhesive composition, plywood, and making plywood. 2,419,880; Apr. 29.
Bodmer, Ernest, Geneva, Switzerland. Device for automatic lathe. 2,419,704; Apr. 29.
Boeing Aircraft Company, assignee: *See*—
    Cooper, James B., and Jepson.
    Wiberg, Walter R.
Boileau, Arthur H., Cedar Rapids, Iowa, assignor to Cherry-Burrell Corporation, Chicago, Ill. Resilient churn support. 2,419,814; Apr. 29.
Booth, Robert B.: *See*—
    Frank, Albert R., and Booth.
Borg, George W., Corporation, assignee: *See*—
    Dinerstein, Samuel.
Borg-Warner Corporation, assignee: *See*—
    Pasco, George E.
Borgerd, William F., Riverside, and J. S. Palmer, Chicago, Ill., assignors to International Harvester Company. Sea water fractionator. 2,419,881; Apr. 29.
Borkland, Gustave W., Chicago, Ill. Method and apparatus for coating frangible articles. 2,419,758; Apr. 29.

Bowman, Howard J.: *See*—
    Reinhardt, Robert A., and Bowman.
Boynton, Earl S.: *See*—
    O'Brien, Joseph F., and Boynton.
Braaten, Oscar M., Rock Island, Ill. Contour cutter grinder. 2,419,529; Apr. 29.
Bradley, William E., Swarthmore, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Wide band interstage coupling network. 2,419,882; Apr. 29.
Breese, James L., assignor to Oil Devices, Santa Fe, N. Mex. Portable ring type heater. 2,419,625; Apr. 29.
Breeze, George E., Uncasville, Conn., and G. R. F. Gay, Garden City, N. Y.; said Breeze assignor of his right to the United States Government, as represented by the Secretary of the Navy. Water armed fuze. 2,419,815; Apr. 29.
Briskin, Theodore S., and J. J. Golick, assignors to Revere Camera Company, Chicago, Ill. Mechanism for intermittently advancing film. 2,419,759; Apr. 29.
British Celanese Limited, assignee: *See*—
    Taylor, William I.
Britten, Edwin F., Jr., Short Hills, assignor to Monroe Calculating Machine Company, Orange, N. J. Operation control means for calculating machines. 2,419,760; Apr. 29.
Britton, Edgar C., J. E. Livak, and M. F. Murray, assignors to The Dow Chemical Company, Midland, Mich. Production of hydantoin. 2,419,530; Apr. 29.
Bronander, Wilhelm B., Montclair, N. J. Multiple opposed piston engine. 2,419,531; Apr. 29.
Brown, Charles F., Middlebury, Conn., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Preparing aqueous dispersions of synthetic resins. 2,419,816; Apr. 29.
Brown, James H., Seattle, Wash. Shaping mold. 2,419,532; Apr. 29.
Brown, Leo H., Glenville, Conn. Bore sighting device including an apertured divergent lens. 2,419,533; Apr. 29.
Bruce, Arthur M., Long Beach, Calif. Clamp for cables and the like. 2,419,761; Apr. 29.
Bruno, Charles, Highland Park, Mich. Welding mechanism. 2,419,817; Apr. 29.
Bruno Patents, Inc., assignee: *See*—
    Hefele, Edward J.
Bryant, Edwin F., Corona, assignor to California Fruit Growers Exchange, Los Angeles, Calif. Pectic substances and their preparation. 2,419,883; Apr. 29.
Buechler, John H., Chicago, Ill. Shoe heel. 2,419,670; Apr. 29.
Bugg, Kenly C., Fort Wayne, Ind. Zero-setting device for registers. 2,419,762; Apr. 29.
Bulger, William A., Stamford, Conn., assignor to Petroleum Heat and Power Company, New York, N. Y. Heater. 2,419,626; Apr. 29.
Burleson, Howard A., assignor to Mouldings, Inc., Indianapolis, Ind. Demountable device for punching tubes. 2,419,534; Apr. 29.
Burton, Walter E., Akron, Ohio. Measuring gauge for machine tools. 2,419,818; Apr. 29.
Busch, Fred, Wauwatosa, and A. Wild, assignors, by mesne assignments, to American Thermo Appliance Co., Milwaukee, Wis. Steam electric iron. 2,419,705; Apr. 29.
Busignies, Henri G., Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation. Direction finding system. 2,419,671; Apr. 29.
Busignies, Henri G., Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation. Directional antenna array. 2,419,672; Apr. 29.
Busignies, Henri G., Forest Hills, and P. J. V. Woude, Riverdale, N. Y., assignors to Federal Telephone and Radio Corporation, Newark, N. J. Loop antenna. 2,419,673; Apr. 29.
Buslawski, Thaddeus W., Detroit, Mich. Circuit controlling device. 2,419,819; Apr. 29.
California Fruit Growers Exchange, assignee: *See*—
    Adams, Joseph N.
    Bryant, Edwin F.
    Wilson, Clarence W.
Caplan, Sidney, Chicago, Ill. Combination egg poaching, boiling, and frying device. 2,419,674; Apr. 29.
Carling, Helge, West Hartford, assignor to The Carling Tool & Machine Company, Hartford, Conn. Electric switch. 2,419,627; Apr. 29.
Carling Tool & Machine Company, The, assignee: *See*—
    Carling, Helge.
Carpenter, John A., Long Beach, Calif. Hanger. 2,419,675; Apr. 29.
Carter Carburetor Corporation, assignee: *See*—
    Wassman, August H.
Cassell, Robert P., assignor to The Jeannette Glass Company, Jeannette, Pa. Molding glass articles. 2,419,763; Apr. 29.
Cassell, Robert P., assignor to The Jeannette Glass Company, Jeannette, Pa. Molding glass articles. 2,419,764; Apr. 29.
Caughey, John M., assignor to Stubritz-Greeve Spring Corporation, Adrian, Mich. Seat having a resiliently mounted back rest. 2,419,884; Apr. 29.
Celon Company, The, assignee: *See*—
    Trecek, Louis.
Chandler, Milton E., New Britain, Conn. Automatic heat regulator. 2,419,820; Apr. 29.
Chandler, Milton E., New Britain, Conn. Boiler water feeder. 2,419,821; Apr. 29.
Chatterjea, Prafulla K., and C. T. Scully, W. C. 2, assignors to Standard Telephones and Cables Limited, London, England. Time-modulated pulse communication system. 2,419,535; Apr. 29.
Cherry-Burrell Corporation, assignee: *See*—
    Boileau, Arthur H.
Chevigny, Paul G., New York, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Magnetron vacuum tube. 2,419,536; Apr. 29.
Chicago Pneumatic Tool Company, assignee: *See*—
    Roberts, James A.
Christensen, Carl J., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Resistor. 2,419,537; Apr. 29.
Clark Equipment Company, assignee: *See*—
    Mills, Burton L.
    Ormsby, Donald D.
Clark, Trevor H., New York, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Antenna system. 2,419,538; Apr. 29.
Clark, Trevor H., New York, and P. J. Vander Woude, Riverdale, N. Y., assignors to Federal Telephone and Radio Corporation, Newark, N. J. Loop antenna construction. 2,419,539; Apr. 29.
Cline, Delbert C.: *See*—
    Tarr, Philip R., and Cline.
Clough, John W.: *See*—
    Blyler, Lee L., Clough, Hawley, and Pitman.
Cohen, Monroe J., assignor to Monarch Wine Company, Inc., Brooklyn, N. Y. Chill-proofing and stabilizing wine, grape juice, and other fruit juices. 2,419,628; Apr. 29.
Colella, Gerald S., Bradford, Mass., assignor to Beckwith Manufacturing Company, Dover, N. H. Midsole construction for shoes. 2,419,629; Apr. 29.
Consolidated Engineering Corporation, assignee: *See*—
    Lawlor, Reed C.
Consolidated Vultee Aircraft Corporation, assignee: *See*—
    Flood, Edmund L.
Contesso, Mario, Astoria, Long Island, N. Y. Treating eggshells to produce a purified calcium carbonate. 2,419,822; Apr. 29.
Contner, J. Burgi, New York, N. Y. Camera view finder. 2,419,706; Apr. 29.
Cook, Frank C., executor: *See*—
    Wilcox, George D.
Cook, John C., executor: *See*—
    Wilcox, George D.
Cooper, James B., and A. B. Jepson, assignors to Boeing Aircraft Company, Seattle, Wash. Ratio attachment for pressure cabin controls. 2,419,707; Apr. 29.
Cooper, Stanley M., assignor to The Fafnir Bearing Company, New Britain, Conn. Bearing seal. 2,419,885; Apr. 29.
Crane Co., assignee: *See*—
    Uphues, Frank P.
Crooke, Raymond E., New York, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Apparatus for gun fire control. 2,419,886; Apr. 29.
Crosley, Powel, III, Coral Gables, Fla. Method and apparatus for fabricating articles. 2,419,765; Apr. 29.
Cross, Carroll N., and G. E. Nichols, Middleboro, Mass. Picture frame with support. 2,419,823; Apr. 29.
Crown, Robert, assignee: *See*—
    McArthur, Herbert A., and Decker.
Cruzan, Harold, and E. C. Warrick, assignors to United Aircraft Products, Inc., Dayton, Ohio. Thermostatic surge valve. 2,419,630; Apr. 29.
Cummings, Robert E., University Heights, assignor to Thompson Products, Inc., Cleveland, Ohio. Lubricant controlling valve spring retainer lock. 2,419,708; Apr. 29.
Curtenius, Frederick B., Kalamazoo, Mich. Production schedule apparatus. 2,419,631; Apr. 29.
Curtis Pump Company, assignee: *See*—
    Curtis, Russell R., and Dinsmore.
Curtis, Russell R., and T. R. Dinsmore, assignors to Curtis Pump Company, Dayton, Ohio. Booster pump. 2,419,676; Apr. 29.
Daniels, Arthur W., Cedar Rapids, Iowa, and J. P. Murtaugh, Oak Park, Ill. Excavating tooth. 2,419,677; Apr. 29.
Dávalos, Jose J., Guadalajara, Mexico. Liquid level measuring device. 2,419,709; Apr. 29.
Davies, Charles R.: *See*—
    Weber, John W., and Davies.
Davis, Joseph W., Bloomington, Ill. Material unloading and conveying mechanism for trucks. 2,419,824; Apr. 24.
Davison Chemical Corporation, The, assignee: *See*—
    Hobelmann, Rudolph G.
Day, Roland B., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Alkylation of cyclic hydrocarbons. 2,419,632; Apr. 29.

- Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Telecommunication switching system. 2,419,540; Apr. 29.
- Decker, John B.: *See*—
  - McArthur, Herbert A., and Decker.
- Dehydration, Inc., assignee: *See*—
  - Birdseye, Clarence.
- Deily, Arthur T.: *See*—
  - Andrews, Raynal W., and Deily.
- De Laval Steam Turbine Company, assignee: *See*—
  - Gartmann, Hans.
- Delphos Bending Company, The, assignee: *See*—
  - Peltier, Leslie C.
- Dent, Hettie, assignee: *See*—
  - Wolff, Joachim.
- De Rosa, Louis A., Staten Island, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Distance indicating detection system. 2,419,541; Apr. 29.
- Di Filippo, Abramo, Silver Spring, Md. Heat storing and dissipating apparatus for furnaces. 2,419,710; Apr. 29.
- Dillon, Ralph R., assignor to W. C. Dillon & Company, Inc., Chicago, Ill. Grip for tensile testing. 2,419,711; Apr. 29.
- Dillon, W. C., & Company, Inc., assignee: *See*—
  - Dillon, Ralph R.
- Dinerstein, Samuel, Delavan, Wis., assignor, by mesne assignments, to George W. Borg Corporation, Chicago, Ill. Compensating spring and alloy for timepieces. 2,419,825; Apr. 29.
- Dinsmore, Theodore R.: *See*—
  - Curtis, Russell R., and Dinsmore.
- Dirks, Norman: *See*—
  - Isgren, Elmer E., and Dirks.
- Disse, Josef A., Detroit, Mich. Universal vise. 2,419,887; Apr. 29.
- Dodelin, Frederick A., Glen Ridge, and P. G. MacGregor, Pequannock, assignors to Pyrene Manufacturing Company, Newark, N. J. Explosively operated shearing device for frangible closure discs of pressure fluid containers. 2,419,826; Apr. 29.
- Domash, Ruth L., Chicago, Ill. Combination table and separable service cabinet. 2,419,766; Apr. 29.
- Douglass, Claude F., Comache, Tex. Peanut plow. 2,419,633; Apr. 29.
- Dow Chemical Company, The, assignee: *See*—
  - Britton, Edgar C., Livak, and Murray.
  - Houtman, Thomas, Jr.
- Dreisin, Alexander, Chicago, and R. E. Peterson, Riverside, Ill., assignors to International Harvester Company. Reciprocating rotary distributing pump. 2,419,542; Apr. 29.
- Duenas, John: *See*—
  - Duenas, Peter and J.
- Duenas, Peter and J., Forest Hills, N. Y. Method and machine for forming corrugated tubing. 2,419,678; Apr. 29.
- Du Pont, E. I., de Nemours & Company, assignee: *See*—
  - Arnold, Luther B., Jr.
  - Blyler, Lee L., Clough, Hawley, and Pitman.
  - Tippetts, Emerson A.
  - Wilson, Howard R.
- Duriron Company, Inc., The, assignee: *See*—
  - Bettcher, Mortimer L.
  - Jacobsen, Oystein.
- Dykeman, Reuben G., J. C. Shaw, and A. C. Hoffman, assignors to United Aircraft Products, Inc., Dayton, Ohio. Congealable liquid conditioning device. 2,419,634 Apr. 29.
- Earl, Roy E., Long Beach, Calif. Garment hanger. 2,419,767; Apr. 29.
- Elgin National Watch Company, assignee: *See*—
  - Ensign, George G., Lawson, Schaefer, and Wochos.
- Elkins, Agnes A., Elyria, Ohio. Garment. 2,419,827; Apr. 29.
- Ellis, Charles A., and L. A. Severy, assignors to American Optical Company, Southbridge, Mass. Abrading. 2,419,543; Apr. 29.
- Embshoff, George F., Cincinnati, Ohio. Carburetor. 2,419,679; Apr. 29.
- Emmott, Herbert E., Manville, Alberta, Canada. Concave clutch. 2,419,712; Apr. 29.
- Ensign, George G., R. R. Lawson, E. H. Schaefer, and W. M. Wochos, Jr., assignors to Elgin National Watch Company, Elgin, Ill. Gimbal locking mechanism. 2,419,768; Apr. 29.
- Erickson, Arvid M.: *See*—
  - Gray, Herbert E., and Erickson.
- Everel Propeller Corporation, assignee: *See*—
  - Hackethal, Paul F.
- Evering, Bernard L.: *See*—
  - Shoemaker, Bernard H., and Evering.
- Fafnir Bearing Company, The, assignee: *See*—
  - Cooper, Stanley M.
- Fator, Charles D., San Antonio, Tex. Self-threading and locking screw. 2,419,555; Apr. 29.
- Faulkner, Waldron, Washington, D. C. Window louvre. 2,419,635; Apr. 29.
- Federal Reserve Bank of Philadelphia, assignee: *See*—
  - Birmann, Rudolph.
- Federal Telephone and Radio Corporation, assignee: *See*—
  - Alford, Andrew.
  - Busignies, Henri G.
  - Chevigny, Paul G.
  - Clark, Trevor H.
  - Clark, Trevor H., and Vander Woude.
  - De Rosa, Louis A.
  - Grieg, Donald D.
  - Himmel, Leon.
  - Himmel, Leon, and Fuchs.
  - Kandoian, Armig G.
  - Labin, Emile.
  - Labin, Emile, and Grieg.
  - Libby, Lester L.
  - Litton, Charles V.
  - Preisman, Albert.
  - Richardson, Avery G.
  - Silver, Martin.
  - Skinker, Murray F., and Haigh.
  - Weldon, James O.
  - Young, Norman H., Jr.
- Feldman, Carl B. H., Rumson, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Scanning antenna. 2,419,556; Apr. 29.
- Ferris, Robert G., Harvard, Ill., assignor to the United States of America as represented by the Secretary of Navy. Set-back switch. 2,419,828; Aug. 29.
- Flood, Edmund L., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Saw blade lubricant. 2,419,713; Apr. 29.
- Florman, Irving, New York, N. Y. Lighter. 2,419,889; Apr. 29.
- Floyd, George P., assignor to Floyd Research and Development Co., Akron, Ohio. Ringless self-expanding piston. 2,419,714; Apr. 29.
- Floyd Research and Development Co., assignee: *See*—
  - Floyd, George P.
- Flynn, Andrew J., Jr., Lafayette, Calif. Gocart receptacle. 2,419,680; Apr. 29.
- Ford Instrument Company, Inc., assignee: *See*—
  - Crooke, Raymond E.
  - Poitras, Edward J., and Tear.
- Foster, John, London W. C. 2, assignor to Standard Telephones and Cables Limited, London, England. Electron discharge tube. 2,419,544; Apr. 29.
- Foy, Everett L., East Rainelle, W. Va. Apparatus for automatically operating dump truck tail gates. 2,419,636; Apr. 29.
- Fraim, Freeman W., West Barrington, R. I., assignor to International Braid Company. Woven fabric reinforcement. 2,419,829; Apr. 29.
- Frank, Albert R., New York, N. Y., and R. B. Booth, Springfield, Conn., assignors to American Cyanamid Company, New York, N. Y. Producing magnesium cyanide. 2,419,931; Apr. 29.
- Frank, Louis, Fellows, Calif. Dispensing container having a gravity operated closure. 2,419,769; Apr. 29.
- Freeborn, James E., Broxbourne, assignor to Freeborn Power Converters Limited, London, England. Friction clutch. 2,419,890; Apr. 29.
- Freeborn Power Converters Limited, assignee: *See*—
  - Freeborn, James E.
- Freeman, Bernard, Philadelphia, Pa. Shoulder pad. 2,419,830; Apr. 29.
- Friis, Harald T., Rumson, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Branching circuits. 2,419,557; Apr. 29.
- Frye, Raymond P.: *See*—
  - Yeomans, Lucian I., and Frye.
- Fuchs, Morton: *See*—
  - Himmel, Leon, and Fuchs.
- Gabriel, Marcel, Biel, and G. Guanella, Zurich, Switzerland, assignors to Radio Patents Corporation, New York, N. Y. Synchronizing system. 2,419,637; Apr. 29.
- Galter, William R., Chicago, Ill. Camera spring device. 2,419,715; Apr. 29.
- Garbo, Paul W., Chicago, Ill. Amidization of pyridine monocarboxylic acids. 2,419,831; Apr. 29.
- Gardiner, William C., Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Electrolytic cells. 2,419,832; Apr. 29.
- Gartmann, Hans, assignor to De Laval Steam Turbine Company, Trenton, N. J. Circulating pump sealing system. 2,419,681; Apr. 29.
- Gay, Godwin R. F.: *See*—
  - Breeze, George E., and Gay.
- General Aniline & Film Corporation, assignee: *See*—
  - Grimmel, Harry W., and Guenther.
  - Kaszuba, Frank J.
- General Electric Company, assignee: *See*—
  - Bartelink, Everhard H. B.
  - Hugin, Adolph C.
  - Keister, James E.
  - Kilbourne, Charles E.
  - McConnell, Andrew J.
  - Mittermaier, Armin F.
  - Ware, David H.
  - Wiggin, Rinaldo E., and Swanson.
  - Young, George G.

- General Electric Company, Limited, The, assignee: *See*—
  - Jones, Douglas E., Ransley, Ryde, and Williams.
- General Implement Corporation, assignee: *See*—
  - Karl, George E.
- Geophysical Research Corporation, assignee: *See*—
  - Owen, John E.
- Gibson, James D., Bartlesville, Okla., assignor to Phillips Petroleum Company. Recovery of hydrogen fluoride catalyst. 2,419,558; Apr. 29.
- Glass, Nathan R., Philadelphia, Pa. Plunger for pinball machines. 2,419,770; Apr. 29.
- Goddard, Edwin G., Lombard, assignor to Jefferson Electric Company, Bellwood, Ill. High reactance transformer. 2,419,771; Apr. 29.
- Goldstein, Hymen: *See*—
  - Griesinger, John W., and Goldstein.
- Golick, Joseph J.: *See*—
  - Briskin, Theodore S., and Golick.
- Goodman Manufacturing Company, assignee: *See*—
  - Wood, Frank J.
- Goodrich, B. F., Company, The, assignee: *See*—
  - Kehe, Henry J.
  - Sloan, Arthur W.
- Gottier, Thomas L., Princeton, N. J., assignor to Radio Corporation of America. Pulse generator system. 2,419,772; Apr. 29.
- Gottschalk, Norman F., South Euclid, Ohio. Apparatus for delivering measured quantities of liquid by volume from bottles or similar vessels. 2,419,891; Apr. 29.
- Graeber, Alfred, Milwaukee, Wis. Hanger. 2,419,638; Apr. 29.
- Grant Photo Products, Inc., assignee: *See*—
  - Pask, Stanley J.
- Graves, Herbert C., Jr., West Chester, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Circuit breaker-balanced armature. 2,419,892; Apr. 29.
- Gray, Herbert E., and A. M. Erickson, assignors to Barron-Gray Packing Company, San Jose, Calif. Method of and apparatus for extracting juice. 2,419,545; Apr. 29.
- Greenblatt, Charles, assignee, et al.: *See*—
  - Westin, Axel.
- Greenwell, Everett N., Valparaiso, Ind., assignor to The Indiana Steel Products Company. Mold assembly for centrifugal casting. 2,419,716; Apr. 29.
- Grieg, Donald D.: *See*—
  - Labin, Emile, and Grieg.
- Grieg, Donald D., New York, N. Y., assignor to Federal Telephone and Radio Corporation. Delay circuit. 2,419,546; Apr. 29.
- Grieg, Donald D., Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Wave translator. 2,419,547; Apr. 29.
- Grieg, Donald D., Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Discriminator circuit. 2,419,548; Apr. 29.
- Griesinger, John W., Dayton, Ohio, and H. Goldstein, Fairlawn, N. J. Radio reflecting and low drag tow target. 2,419,549; Apr. 29.
- Griffin, James H.: *See*—
  - Waldron, Frederic B., and Griffin.
- Grimes, Harlan E., Bromley, Ky. Antenna arrangement for induction communication systems. 2,419,833; Apr. 29.
- Grimmel, Harry W., Easton, and A. Guenther, Riegelsville, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Arylides of ortho-hydroxy carboxylic acid. 2,419,932; Apr. 29.
- Grindstaff, Ray A., Spokane, Wash. Rabbit feeder. 2,419,834; Apr. 29.
- Groene, William F., assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Lathe transmission and control mechanism. 2,419,639; Apr. 29.
- Grosse, Aristid V.: *See*—
  - Priest, Homer F., and Grosse.
- Gruendler Crusher & Pulverizer Company, assignee: *See*—
  - Gruendler, William P.
- Gruendler, William P., Clayton, assignor to Gruendler Crusher & Pulverizer Company, St. Louis, Mo. Mounting for removable screens of hammer mills, grinders, and the like. 2,419,773; Apr. 29.
- Guanella, Gustav: *See*—
  - Gabriel, Marcel, and Guanella.
- Guenther, Alfred: *See*—
  - Grimmel, Harry W., and Guenther.
- Guillemin, Victor, Jr., Dayton, Ohio. Electrocardiotachometer. 2,419,682; Apr. 29.
- Gulf Oil Corporation, assignee: *See*—
  - Rogers, Hiram M.
- Gustafson, Hugo F., Duluth, Minn. Ventilator screen and closure package. 2,419,640; Apr. 29.
- Hackethal, Paul F., Cockeysville, assignor to Everel Propeller Corporation, Baltimore, Md. Constant speed propeller mechanism. 2,419,893; Apr. 29.
- Haigh, Leslie B.: *See*—
  - Skinker, Murray F., and Haigh.
- Hain, Malcolm, Montclair, N. J. Manufacture of yarn. 2,419,774; Apr. 29.
- Hamilton Watch Company, assignee: *See*—
  - Luckey, George P.
- Hardinge Brothers, Inc., assignee: *See*—
  - Anderson, Douglas G.
- Hardman, Bruce W., assignee: *See*—
  - Kennedy, Samuel E.
- Hardy, René, Lyon, France, assignor to International Standard Electric Corporation, New York, N. Y. Apparatus for remotely repeating angular indications. 2,419,550; Apr. 29.
- Hargreaves, Thomas F. S.: *See*—
  - Terry, Victor J., and Hargreaves.
- Harris, Leonard B., Southold, and V. R. Pascale, New York, N. Y. Garment hanger. 2,419,621; Apr. 29.
- Hart, George T., Jr., Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Photoelectric line-following apparatus. 2,419,641; Apr. 29.
- Hawley, Charles W.: *See*—
  - Blyler, Lee L., Clough, Hawley, and Pitman.
- Hayes, William W., Towson, Md., assignor to Bendix Aviation Corporation, South Bend, Ind. Acoustic system for uniform distribution of sound. 2,419,894; Apr. 29.
- Haynes, Frederick J., assignee: *See*—
  - Wilcox, George D.
- Hazard, William H., Chicago, assignor to Woodruff & Edwards, Inc., Elgin, Ill. Pump. 2,419,775; Apr. 29.
- Hechenbleikner, Ingenuin: *See*—
  - Nolan, Kenneth G., and Hechenbleikner.
- Hefele, Edward J., Bronx, assignor to Bruno Patents, Inc., Long Island City, N. Y. Ultra high frequency deflection modulated tube. 2,419,895; Apr. 29.
- Henry, Guy J., Chicago, Ill. Pipe coupling. 2,419,642; Apr. 29.
- Henschke, William O., Longmeadow, assignor to American Bosch Corporation, Springfield, Mass. Sealing high-tension wires in sockets. 2,419,683; Apr. 29.
- Hester, Dwight, Chicago, Ill. Flocking apparatus. 2,419,835; Apr. 29.
- Himmel, Leon, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Glide path system. 2,419,551; Apr. 29.
- Himmel, Leon, and M. Fuchs, New York, N. Y., assignors to Federal Telephone and Radio Corporation, Newark, N. J. Radio antenna. 2,419,552; Apr. 29.
- Hobelmann, Rudolph G., assignor to The Davison Chemical Corporation, Baltimore, Md. Dentifrice applicator. 2,419,896; Apr. 29.
- Hoffman, Allan C.: *See*—
  - Dykeman, Rueben G., Shaw, and Hoffman.
- Hoffman, Walter H.: *See*—
  - Weston, Arthur W., and Hoffman.
- Holbrook, John K., assignor to Holbrook Microfilming Service Inc., New York, N. Y. Document operated switch for photographic copying cameras. 2,419,836; Apr. 29.
- Holbrook Microfilming Service Inc., assignee: *See*—
  - Holbrook, John K.
- Holz, Henry C., Salt Lake City, Utah. Electric damper control. 2,419,776; Apr. 29.
- Hörndlein, Richard: *See*—
  - Lampel, Walter, and Hörndlein.
- Houdaille-Hershey Corporation, assignee: *See*—
  - Magrum, Gervase M.
- Houtman, Thomas, Jr., assignor to The Dow Chemical Company, Midland, Mich. Nuclear substituted 2-hydroxy-benzophenones and making same. 2,419,553; Apr. 29.
- Howard, Frank S., Chicago, Ill., assignor to Birtman Electric Company. Handle for suction cleaners. 2,419,554; Apr. 29.
- Howe, May D., Brooklyn, N. Y. Hair straightening and drying device. 2,419,777; Apr. 29.
- Hudson, William H., assignor to J. W. Swenson, Detroit, Mich. Oven structure. 2,419,643; Apr. 29.
- Hudson Bay Mining and Smelting Company, Limited, assignee: *See*—
  - Lowe, Sherwin P., Reikie, Kent, and Long.
- Hugin, Adolph C., Schenectady, N. Y., assignor to General Electric Company. Dynamoelectric machine. 2,419,837; Apr. 29.
- Hunt, Gordon, Parkersburg, W. Va. Guard for heel strippers. 2,419,644; Apr. 29.
- Hurxthal, Alpheus O., Wyncote, assignor to Proctor & Schwartz, Inc., Philadelphia, Pa. Preboarding machine. 2,419,645; Apr. 29.
- Hydraulic Development Corporation, Inc., The, assignee: *See*—
  - Kaser, Robert A.
- I-T-E Circuit Breaker Company, assignee: *See*—
  - Graves, Herbert C., Jr.
- Imes, Harry B., deceased, Louisville, Ky.; Mary W. Imes, executrix. Trestle leg assembly. 2,419,778; Apr. 29.
- Imes, Mary W., executrix: *See*—
  - Imes, Harry B.
- Indiana Steel Products Company, The, assignee: *See*—
  - Greenwell, Everett N.
- Inman, William H., assignor to Bloomer Bros. Company, Newark, N. Y. Container. 2,419,646; Apr. 29.
- International Braid Company, assignee: *See*—
  - Fraim, Freeman W.
- International Harvester Company, assignee: *See*—
  - Borgerd, William F., and Palmer.
  - Dreisin, Alexander, and Peterson.
  - Johnson, Arnold E. W.
  - Mott, Carl W.

International Standard Electric Corporation, assignee: *See*—
Deakin, Gerald.
Hardy, René.
Lehmann, Gerard J.
McLarn, Ernest S.
Terry, Victor J., and Hargreaves.

Ipatieff, Vladimir N.: *See*—
Pines, Herman, and Ipatieff.

Isgren, Elmer E., and N. Dirks, Peoria, Ill., assignors to R. G. Le Tourneau, Inc., Stockton, Calif. Conveyer for heat-treating apparatus. 2,419,559; Apr. 29.

Iwen, Ewald A.: *See*—
Short, Leo C., and Iwen.

Jacobsen, Oystein, Montgomery County, assignor to The Duriron Company, Inc., Dayton, Ohio. Plug valve. 2,419,647; Apr. 29.

James, Norman L., Ingersoll, Ontario, Canada. Snow excavator. 2,419,779; Apr. 29.

James, Robert H., South Euclid, Ohio, assignor, by mesne assignments, to A. M. Albert. Nesting chair. 2,419,838; Apr. 29.

Jeannette Glass Company, The, assignee: *See*—
Cassell, Robert P.

Jefferson Electric Company, assignee: *See*—
Goddard, Edwin G.

Jefferson, Ernest S., Belhaven, N. C. Back band. 2,419,897; Apr. 29.

Jeffrey Company, The, assignee: *See*—
Lindsay, James R.

Jepson, Alfred B.: *See*—
Cooper, James B., and Jepson.

Jepson, Percy, Oakland, Calif. Electrode holder. 2,419,560; Apr. 29.

Johnson, Arnold E. W., Oak Park, Ill., assignor to International Harvester Company. Shelled corn saver for husking devices. 2,419,898; Apr. 29.

Johnson, Norman A., Lancaster and P. H. Stern, Penn Township, Lancaster County, assignors to Armstrong Cork Company, Lancaster, Pa. Refractory and insulating materials. 2,419,684; Apr. 29.

Jones, Douglas E., Harrow, C. E. Ransley, Sudbury, J. W. Ryde, London, W. 14, and S. V. Williams, Kenton, assignors to The General Electric Company, Limited, London, England. Crystal contact of which one element is mainly silicon. 2,419,561; Apr. 29.

Jones, Lewis R.: *See*—
Shuttleworth, Howard L., Underwood, and Jones.

Jordan, Lawrence F., Oakland, Calif. Convertible airplane adapted for horizontal, vertical, and hovering flight. 2,419,780; Apr. 29.

Kandoian, Armig G., New York, N. Y., assignor to Federal Telephone and Radio Corporation. Antenna array. 2,419,562; Apr. 29.

Kantor, Israel, Bronx, N. Y. Paint brush. 2,419,899; Apr. 29.

Karl, George E., Liberty, Ind., assignor to General Implement Corporation, Cleveland, Ohio. Rotary hoe. 2,419,717; Apr. 29.

Kaser, Robert A., Dayton, Ohio, assignor to The Hydraulic Development Corporation, Inc., Wilmington, Del. Hydraulic press for stepwise drawing of metal. 2,419,563; Apr. 29.

Kaszuba, Frank J., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Bleaching bath and bleaching color film. 2,419,900; Apr. 29.

Kay-Brunner Steel Products, Inc., assignee: *See*—
Low, John J.

Keefe, Lincoln M., Brooklyn, N. Y., assignor to The McBee Company, Athens, Ohio. Key operated card punching machine. 2,419,781; Apr. 29.

Keferstein, Charles G., assignee: *See*—
Ayers, Fred L.

Kehe, Henry J., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Production of diaryl nitrosamines. 2,419,718; Apr. 29.

Keister, James E., Scotia, N. Y., assignor to General Electric Company. Radio transmitter-receiver switching system. 2,419,564; Apr. 29.

Kennedy, Samuel E., San Diego, assignor to B. W. Hardman, Chula Vista, Calif. Weeding tool. 2,419,719; Apr. 29.

Kent, George H.: *See*—
Lowe, Sherwin P., Reikie, Kent, and Long.

Kilbourne, Charles E., Schenectady, N. Y., assignor to General Electric Company. Damper winding for synchronous machines. 2,419,839; Apr. 29.

Knight, William B., Fountain Inn, and A. R. Meadors, Jr., Greenville, S. C. Blowgun. 2,419,720; Apr. 29.

Koontz, Lamont B., Deer Lodge, Mont. Closure. 2,419,648; Apr. 29.

Kopp, Ernest, Brooklyn, N. Y. Bookholder. 2,419,721; Apr. 29.

Krejci, Joseph C., Kaw, Okla., assignor to Phillips Petroleum Company. Carbon black process and apparatus. 2,419,565; Apr. 29.

Labin, Emile, New York, N. Y., assignor to Federal Telephone & Radio Corporation. Pulsed oscillator. 2,419,566; Apr. 29.

Labin, Emile, New York, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Radio detection system. 2,419,567; Apr. 29.

Labin, Emile, New York, N. Y., assinor to Federal Telephone and Radio Corporation, Newark, N. J. Transmission system. 2,419,568; Apr. 29.

Labin, Emile, New York, and D. D. Grieg, Forest Hills, N. Y., assignors to Federal Telephone and Radio Corporation, Newark, N. J. Radio receiver. 2,419,569; Apr. 29.

Labin, Emile, New York, and D. D. Grieg, Forest Hills, N. Y., assignors to Federal Telephone and Radio Corporation, Newark, N. J. Receiver circuit. 2,419,570; Apr. 29.

Labin, Emile, New York, and D. D. Grieg, Forest Hills, N. Y., assignors to Federal Telephone and Radio Corporation, Newark, N. J. Selective pulsing device. 2,419,571; Apr. 29.

Laico, Joseph P., Springfield, N. J., and V. L. Ronci, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 2,419,572; Apr. 29.

Lake, Ross A., Oak Park, assignor to Teletype Corporation, Chicago, Ill. Printing telegraph apparatus. 2,419,782; Apr. 29.

Lake, William G., assignor to J. K. Smit & Sons of Canada Limited, Toronto, Ontario, Canada. Diamond drill. 2,419,901; Apr. 29.

La Mont, Charles T., Milwaukee, Wis. Stopper valve for fluid containers. 2,419,840; Apr. 29.

Lampel, Walter, and R. Hörndlein, Furth, Germany; vested in the Attorney General of the United States. Gun perforator for oil well casings. 2,419,841; Apr. 29.

Lawlor, Reed C., Alhambra, assignor to Consolidated Engineering Corporation, Pasadena, Calif. Electrical measurement of changes of impedance. 2,419,573; Apr. 29.

Lawson, Robert R.: *See*—
Ensign, George G., Lawson, Schaefer, and Wochos.

Le Blond, R. K., Machine Tool Company, The, assignee: *See*—
Groene, William F.

Lebold, Samuel N., assignor to Morris Paper Mills, Chicago, Ill. Handle accessory for containers. 2,419,842; Apr. 29.

Lehmann, Gerard J., assignor to International Standard Electric Corporation, New York, N. Y. Impulse generating system. 2,419,574; Apr. 29.

Leonard, Byram, Eldorado, Ohio. Heater. 2,419,575; Apr. 29.

Leonard, John E.: *See*—
Bearse, Arthur E., and Leonard.

Leslie, John H., II, Winnetka, assignor to Stewart-Warner Corporation, Chicago, Ill. Electric switch. 2,419,685; Apr. 29.

Le Tourneau, R. G., Inc., assignee: *See*—
Isgren, Elmer E., and Dirks.

Levy, Maurice M., London, W. C. 2, assignor to Standard Telephones and Cables Limited, London, England. Apparatus for measuring short time intervals. 2,419,576; Apr. 29.

Libby, Lester L., East Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Antenna system. 2,419,577; Apr. 29.

Lieg, Leo, Clintonville, Wis. Welder's mask. 2,419,649; Apr. 29.

Lindsay, James R., Baxley, Ohio, assignor to The Jeffrey Company. Electrical circuit. 2,419,686; Apr. 29.

Litton, Charles V., Redwood City, Calif., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Electron discharge device. 2,419,578; Apr. 29.

Livak, John E.: *See*—
Britton, Edgar C., Livak, and Murray.

Livingston, Myran J., Pelham, N. Y. Apparatus for refining lubricating oil. 2,419,579; Apr. 29.

Long, George W.: *See*—
Lowe, Sherwin P., Reikie, Kent, and Long.

Longley, Kermit, Philadelphia, assignor to Quaker Chemical Products Corp., Conshohocken, Pa. Ester derivatives of lignin sulphonates. 2,419,783; Apr. 29.

Low, John J., Los Angeles, Calif., assignor to Kay-Brunner Steel Products, Inc. Brake. 2,419,784; Apr. 29.

Lowe, Sherwin P., M. K. T. Reikie, G. H. Kent, and G. W. Long, Flin Flon, Manitoba, assignors to Hudson Bay Mining and Smelting Company Limited, Winnipeg, Manitoba, Canada. Alloy anode for electrodeposition of zinc. 2,419,722; Apr. 29.

Luckey, George P., assignor to Hamilton Watch Company, Lancaster, Pa. Oliving jewels. 2,419,687; Apr. 29.

MacCluney, William R., Brooklyn, N. Y. Pelican hook. 2,419,650; Apr. 29.

MacGregor, Peter G.: *See*—
Dodelin, Frederick A., and MacGregor.

Mack, John L., Sr., Chicago, Ill. Garment hanger. 2,419,723; Apr. 29.

MacPherson, Hugh D., West New Brighton, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Testing system for impulse generators. 2,419,580; Apr. 29.

Mager, Eric L., Leominster, assignor to Sylvania Electric Products Inc., Salem, Mass. Fluorescent electric discharge lamp. 2,419,902; Apr. 29.

Magrum, Gervase M., Buffalo, N. Y., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Hydraulic damping device cylinder construction. 2,419,651; Apr. 29.

Maling, Roy, West Roxbury, Mass. Footwear. 2,419,785; Apr. 29.

Marshall, Joseph C., Baldwin, H. F. May, Valley Stream, and C. S. Whitney, Jr., Brooklyn, assignors to The Teleregister Corporation, New York, N. Y. Printing telegraph station identification transmitter system. 2,419,581; Apr. 29.

Marten, Elmer W., Seattle, Wash. Building construction. 2,419,843; Apr. 29.

Martin, W. H., assignee: *See*—
Whale, Adolph.

Mason, Collins, Beverly Hills, Calif. Fruit juice extractor. 2,419,688; Apr. 29.

Mathieson Alkali Works, Inc., The, assignee: *See*—
Gardiner, William C.

May, Harold F.: *See*—
Marshall, Joseph C., May, and Whitney.

McArthur, Herbert A., Libertyville, and J. B. Decker, Evanston, assignors, by mesne assignments, to R. Crown, Evanston, Ill. Milking machine pulsator. 2,419,844; Apr. 29.

McBee Company, The, assignee: *See*—
Keefe, Lincoln M.

McCarthy, Henry J., Danvers, assignor to Sylvania Electric Products Inc., Salem, Mass. Electrode construction for high-frequency electronic devices. 2,419,903; Apr. 29.

McClintock, Raymond K., Emporium, Pa. Gas turbine. 2,419,689; Apr. 29.

McConnell, Andrew J., Albany, N. Y., assignor to General Electric Company. Carrier current protective relaying system. 2,419,904; Apr. 29.

McCurdy, Kenneth A., Hempstead, N. Y. Steam generator. 2,419,582; Apr. 29.

McDavitt, Marcellus B., Hartsdale, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Testing and indicating system. 2,419,583; Apr. 29.

McLarn, Ernest S., Manhasset, assignor to International Standard Electric Corporation, New York, N. Y. Clamping member for tipless cord connectors. 2,419,652; Apr. 29.

Meador, Jim C., Shreveport, La. Window molding. 2,419,653; Apr. 29.

Meadors, Ansel R., Jr.: *See*—
Knight, William B., and Meadors.

Meehan, Donald E., Washington, D. C. Barrel stand. 2,419,786; Apr. 29.

Merrick, Layton T., Kansas City, Mo., assignor of one-half to Newman Manufacturing Company. Chemical cartridge and applicator therefor. 2,419,845; Apr. 29.

Merz, F. O., & Company, assignee: *See*—
Merz, Frederick O.

Merz, Frederick O., assignor to F. O. Merz & Company, Philadelphia, Pa. Combined pocketbook and accessory case. 2,419,846; Apr. 29.

Meyer, Ronald E.: *See*—
Otto, Ferdinand P., and Meyer.

Micafil Ltd., assignee: *See*—
Wirth, Otto.

Michigan Tool Company, assignee: *See*—
Pelphrey, Harry.

Miess, Fred, Gary, Ind. Centrifugal pump. 2,419,905; Apr. 29.

Millard, Emmor H., Mount Lebanon, and F. R. Wilson, Canonsburg, assignors to Steel Processing Company, Pittsburgh, Pa. Method and apparatus for bending plate and the like. 2,419,724; Apr. 29.

Mills, Burton L., assignor to Clark Equipment Company, Buchanan, Mich. Swivel pipe joint. 2,419,906; Apr. 29.

Mills, Irwin F., Associates, assignee: *See*—
Beder, Samuel L.

Mittermaier, Armin F., Fort Wayne, Ind., assignor to General Electric Company. Powdered iron magnetic core. 2,419,847; Apr. 29.

Mohawk Carpet Mills, Inc., assignee: *See*—
Shuttleworth, Howard L., Underwood, and Jones.

Mole, John H., Eastcote, Ruislip, assignor to Siemens Brothers & Co., Limited, Westminster, London, England. Reducing impedance effects in grounded communication circuits. 2,419,907; Apr. 29.

Monarch Wine Company, Inc., assignee: *See*—
Cohen, Monroe J.

Monroe Calculating Machine Company, assignee: *See*—
Britten, Edwin F., Jr.

Moore, William V., Chicago, Ill. Pastry decorator. 2,419,654; Apr. 29.

Morey, Glenn H., Terre Haute, Ind. Electrical heater and manufacturing it. 2,419,848; Apr. 29.

Morris, Charles L., Stratford, assignor to United Aircraft Corporation, East Hartford, Conn. Nut lock. 2,419,849; Apr. 29.

Morris Paper Mills, assignee: *See*—
Lebold, Samuel N.

Mott, Carl W., LaGrange, Ill., assignor to International Harvester Company. Selective valve mechanism for hydraulic motors. 2,419,908; Apr. 29.

Mouldings, Inc., assignee: *See*—
Burleson, Howard A.

Muffly, Glenn, Springfield, Ohio. Aircraft engine and propeller unit. 2,419,787; Apr. 29.

Murray, Maxton F.: *See*—
Britton, Edgar C., Livak, and Murray.

Murtaugh, Joseph P.: *See*—
Daniels, Arthur W., and Murtaugh.

Muzzey, Fred E.: *See*—
Quinn, Edward, and Muzzey.

Navy, United States of America as represented by the Secretary of the, assignee: *See*—
Breeze, George E., and Gay.
Ferris, Robert G.

Newman Manufacturing Company, assignee: *See*—
Merrick, Layton T.

Nichols, Gordon E.: *See*—
Cross, Carroll N., and Nichols.

Nickell, Arthur, Amelia, Ohio. Cow stanchion. 2,419,788; Apr. 29.

Nolan, Kenneth G., and I. Hechenbleikner, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Seed and plant disinfectants. 2,419,888; Apr. 29.

Noland, Thomas T., Richmond, Ky., assignor to Socony-Vacuum Oil Company, Incorporated. Mineral oil composition. 2,419,584; Apr. 29.

Nordberg Manufacturing Company, assignee: *See*—
Talboys, Henry H.

Norton, Wendell P., Torrington, Conn. Variable speed power transmission. 2,419,850; Apr. 29.

Nosser, Gordon M., Highland, Calif. Perspective drawing instrument. 2,419,725; Apr. 29.

Noyes, Harry A., Watertown, Mass. Making natural colored fruit juice. 2,419,909; Apr. 29.

O'Brien, Joseph F., Jersey City, and E. S. Boynton, East Orange, N. J., assignors to John B. Pierce Foundation, New York, N. Y. Shockproof connector device. 2,419,585; Apr. 29.

Ohio Crankshaft Company, The, assignee: *See*—
Wood, Alden O.

Oil Devices, assignee: *See*—
Breese, James L.

Okonski, Theodore S., assignor, by mesne assignments, to Wheeling Steel Corporation, Wheeling, W. Va. Fastening together sheets of expanded metal. 2,419,910; Apr. 29.

Orelup, John W., Short Hills, N. J. Stabilized colored smoke composition. 2,419,851; Apr. 29.

Ormsby, Donald D., assignor to Clark Equipment Company, Buchanan, Mich. Auxiliary powered vehicle construction. 2,419,911; Apr. 29.

Ormsby, Donald D., assignor to Clark Equipment Company, Buchanan, Mich. Auxiliary powered vehicle construction. 2,419,912; Apr. 29.

Ormsby, Donald D., assignor to Clark Equipment Company, Buchanan, Mich. Clutch. 2,419,913; Apr. 29.

Otto, Ferdinand P., Woodbury, and R. E. Meyer, Gloucester, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Mineral oil composition. 2,419,586; Apr. 29.

Owen, John E., Tulsa, Okla., assignor to Geophysical Research Corporation, New York, N. Y. Apparatus for measuring the ratio or product of two alternating voltages. 2,419,852; Apr. 29.

Palmer, John S.: *See*—
Borgerd, William F., and Palmer.

Pamphilon, Leon E., Yeadon, assignor to Airdesign & Fabrication, Inc., Upper Darby, Pa. Method and apparatus for detecting suspended matter in fluids. 2,419,914; Apr. 29.

Parks, Leon H., Talladega Springs, Ala. Tool container formed in interlocking sections. 2,419,587; Apr. 29.

Pascale, Vito R.: *See*—
Harris, Leonard B., and Pascale.

Pasco, George E., Euclid, Ohio, assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Seal for rotary shafts. 2,419,588; Apr. 29.

Pask, Stanley J., Long Island City, assignor to Grant Photo Products, Inc., New York, N. Y. Photographic film developing apparatus. 2,419,853; Apr. 29.

Paul, Wanda L., New York, N. Y. Leakproof dry cell. 2,419,589; Apr. 29.

Paulson, James E., Long Beach, Calif. Electrode holder. 2,419,789; Apr. 29.

Pelphrey, Harry, assignor to Michigan Tool Company, Detroit, Mich. Automatic worm gear hobbing machine. 2,419,726; Apr. 29.

Peltier, Leslie C., assignor to The Delphos Bending Company, Delphos, Ohio. Collapsible stroller vehicle. 2,419,790; Apr. 29.

Peterson, Raymond E.: *See*—
Dreisin, Alexander, and Peterson.

Peterson, Richard A., Chicago, Ill. Bomb. 2,419,854; Apr. 29.

Petroleum Heat and Power Company, assignee: *See*—
Bulger, William A.

Philco Corporation, assignee: *See*—
Bradley, William E.
Smith, David B.

Phillips, Mickey, Chicago, Ill. Garment hanger. 2,419,791; Apr. 29.
Phillips Petroleum Company, assignee: *See—*
  Biegel, John.
  Gibson, James D.
  Krejci, Joseph C.
  Schulze, Walter A.
Picone, Edward J., Arlington, Mass. Ladder platform. 2,419,727; Apr. 29.
Pierce, John B., Foundation, assignee: *See—*
  O'Brien, Joseph F., and Boynton.
Pilkington Brothers Limited, assignee: *See—*
  Baillie, Granville H.
  Waldron, Frederic B.
  Waldron, Frederic B., and Griffin.
Pines, Herman, and V. N. Ipatieff, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbons. 2,419,690; Apr. 29.
Pitman, Earle C.: *See—*
  Blyler, Lee L., Clough, Hawley, and Pitman.
Poitras, Edward J., Jackson Heights, and J. D. Tear, Great Neck, assignors to Ford Instrument Company, Inc., Long Island City, N. Y. Hydraulic power system. 2,419,792; Apr. 29.
Porter, Arthur W., Plymstock, England. Tool for grinding in internal-combustion engine valves. 2,419,728; Apr. 29.
Potts, Louis M., Evanston, assignor to Teletype Corporation, Chicago, Ill. Printing telegraph system having serially connected step-by-step selective station. 2,419,729; Apr. 29.
Potts, Louis M., Evanston, and R. G. Schuler, Highland Park, assignors to Teletype Corporation, Chicago, Ill. Printing telegraph system having serially connected step-by-step automatically selective stations. 2,419,730; Apr. 29.
Preisman, Albert, Flushing, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Pulse echo system. 2,419,590; Apr. 29.
Priest, Homer F., New York, and A. V. Grosse, Bronxville, N. Y., assignors to the Government of the United States, as represented by the Office of Scientific Research and Development, Office for Emergency Management. Apparatus for the storage of fluorine. 2,419,915; Apr. 29.
Proctor & Schwartz, Inc., assignee: *See—*
  Hurxthal, Alpheus O.
  Weber, John W., and Davies.
Pyrene Manufacturing Company, assignee: *See—*
  Dodelin, Frederick A., and MacGregor.
Quaker Chemical Products Corp., assignee: *See—*
  Longley, Kermit.
Quigley, Charles J., U. S. Navy. Magnetic minesweeping electrode cable. 2,419,591; Apr. 29.
Quinn, Edward, Saugus, and F. E. Muzzey, Haverhill, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Seam pressing machine. 2,419,596; Apr. 29.
Radio Corporation of America, assignee: *See—*
  Bedford, Alda V.
  Gottier, Thomas L.
  Robinson, Harris A.
  Rosencrans, Charles A.
  Walsh, Allen A.
Radio Patents Corporation, assignee: *See—*
  Gabriel, Marcel, and Guanella.
Raffield, Clyde R., Port St. Joe, Fla. Pipe or hose coupling. 2,419,916; Apr. 29.
Ransley, Charles E.: *See—*
  Jones, Douglas E., Ransley, Ryde, and Williams.
Rector, Anson E., Savannah, N. Y. Attachment for traps. 2,419,731; Apr. 29.
Reikie, Matthew K. T.: *See—*
  Lowe, Sherwin P., Reikie, Kent, and Long.
Reiser, Alfred A., assignor, by mesne assignments, to Titan Manufacturing Co., Inc., Buffalo, N. Y. Electric heater. 2,419,655; Apr. 29.
Ressinger, Paul M., Chicago, Ill. Gocart. 2,419,656; Apr. 29.
Revere Camera Company, assignee: *See—*
  Briskin, Theodore S., and Golick.
Richardson, Avery G., Boonton, assignor to Federal Telephone and Radio Corporation, Newark, N. J. Sealing conductor joints. 2,419,592; Apr. 29.
Ritchie, Robert: *Eee—*
  Bellsynder, Thomas, Sr., and Ritchie.
Ritter, William K.: *See—*
  Schey, Oscar W., and Ritter.
Roberts, James A., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Countersinking machine. 2,419,657; Apr. 29.
Robeson, Edna G., assignor of one-half to T. B. Short, Miami, Fla. Vision aid. 2,419,917; Apr. 29.
Robinson, Harris A., Philadelphia, Pa., assignor to Radio Corporation of America. Two-way radio communication system. 2,419,593; Apr. 29.
Rogers, Hiram M., Springfield, Mass., assignor to Gulf Oil Corporation, Pittsburgh, Pa. Demonstrating device. 2,419,658; Apr. 29.
Ronci, Victor L.: *See—*
  Laico, Joseph P., and Ronci.
Roosenstein, Hans O., Berlin, Germany; vested in the Attorney General of the United States. Arrangement adapted to suppress radio frequency currents on conductors. 2,419,855; Apr. 29.
Rosencrans, Charles A., Haddonfield, N. J., assignor to Radio Corporation of America. Uutra high frequency electron discharge device circuit. 2,419,793; Apr. 29.
Roske, Milton H., Malden, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Seam pressing machine. 2,419,594; Apr. 29.
Roske, Milton H., Malden, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Pressing seams formed in shoe parts. 2,419,595; Apr. 29.
Roy, Albert and A., Lawrence, Mass. Moistening device for sole cutting machines. 2,419,794; Apr. 29.
Roy, Armand: *See—*
  Roy, Albert and A.
Rubinstein, Isaac, Brooklyn, N. Y. Manufacture of filling for bedding. 2,419,732; Apr. 29.
Rushmore, Francis M., U. S. Army. Plotting instrument. 2,419,597. Apr. 29.
Ryde, John W.: *See—*
  Jones, Douglas E., Ransley, Ryde, and Williams.
Sabor, Russell, Minneapolis, Minn. Electrical time controlled release actuator. 2,419,659; Apr. 29.
Satterthwaite, Harry C., Detroit, Mich. Hone. 2,419,660; Apr. 29.
Saunders, Paul W., Tarpon Springs, Fla. Breast pump. 2,419,795; Apr. 29.
Savercool, Herbert W.: *See—*
  Wilson, Burton E., and Savercool.
Schaefer, Earl H.: *See—*
  Ensign, George G., Lawson, Schaefer, and Wochos.
Scheetz, Henry F., Jr., Pittsburgh, Pa. Decalcomania. 2,419,918; Apr. 29.
Schey, Oscar W., and W. K. Ritter, Cleveland, Ohio. Fuel injection impeller for superchargers. 2,419,598; Apr. 29.
Schuler, Reginald G.: *See—*
  Potts, Louis M., and Schuler.
Schulze, Walter A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Alkylation of aromatic hydrocarbons. 2,419,599; Apr. 29.
Schulze, Walter A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Alkylation process. 2,419,796; Apr. 29.
Schwartz, Alvin, New York, N. Y. Knitting machine and needle therefor. 2,419,856; Apr. 29.
Scientific Research and Development, Office for Emergency Management, United States of America, as represented by the, assignee: *See—*
  Priest, Homer F., and Grosse.
Scott, Eben L., Mission, Kans. Dental mirror and guard assembly. 2,419,733; Apr. 29.
Scully, Charles T.: *See—*
  Chatterjea, Prafulla K., and Scully.
Sejarto, Lester, Richmond Hill, N. Y. Expansible chamber motor or compressor with longitudinal shaft and angularly inclined pistons geared thereto. 2,419,600; Apr. 29.
Severy, Lawrence A.: *See—*
  Ellis, Charles A., and Severy.
Shafer, Julius E., Chicago, Ill. Bearing assembly. 2,419,691; Apr. 29.
Shaw, Joseph C.: *See—*
  Dykeman, Rueben G., Shaw, and Hoffman.
Shill, Sidney C., Los Angeles, Calif. Musical instrument. 2,419,734; Apr. 29.
Shoemaker, Bernard H., Hammond, Ind., and B. L. Evering, assignors to Standard Oil Company, Chicago, Ill. Alkylation. 2,419,692; Apr. 29.
Short, Leo C., and E. A. Iwen, assignors to The Austin Company, Seattle, Wash. Sewage disposal system. 2,419,693; Apr. 29.
Short, Thomas B., assignee: *See—*
  Robeson, Edna G.
Shuttleworth, Howard L., Amsterdam, G. J. Underwood, and L. R. Jones, Broadalbin, N. Y., assignors to Mohawk Carpet Mills, Inc. Stencilling pile fabrics by suction. 2,419,694; Apr. 29.
Shuttleworth, Howard L., Amsterdam, G. J. Underwood, and L. R. Jones, Broadalbin, N. Y., assignors to Mohawk Carpet Mills, Inc. Machine for stencilling fabric with suction. 2,419,695; Apr. 29.
Siemens Brothers & Co., Limited, assignee: *See—*
  Mole, John H.
Silver, Martin, New York, N. Y., assignor to Federal Telephone and Radio Corporation, East Newark, N. J. Transmission system. 2,419,601; Apr. 29.
Sinclair, Harold, Kensington, London, England. Turbine type dual hydraulic coupling. 2,419,919; Apr. 29.
Sinclair, James A., Houston, Tex. Compressor. 2,419,920; Apr. 29.
Singer Manufacturing Company, The, assignee: *See—*
  Wood, Alfred R.
Skinker, Murray F., Montclair, and L. B. Haigh, West Orange, assignors to Federal Telephone and Radio Corporation, Newark, N. J. Rectifier and making the same. 2,419,602; Apr. 29.
Sloan, Arthur W., Stow, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Condensation products of diolefins with diarylamines and antioxidant compositions containing said products. 2,419,735; Apr. 29.

Sloan, Arthur W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Secondary amines obtained by condensing diaryl amines with acetylene hydrocarbons. 2,419,736; Apr. 29.
Smit, J. K., & Sons of Canada Limited, assignee: *See—*
  Lake, William G.
Smith, David B., Flourtown, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Radio receiver for frequency modulated signals. 2,419,696; Apr. 29.
Smith, Edward W., Melrose, assignor to Submarine Signal Company, Boston, Mass. Apparatus for submarine signalling. 2,419,603; Apr. 29.
Smith, Howard B., Washington, D. C. Stenographic typewriting machine. 2,419,737; Apr. 29.
Smith, Louie F., South Houston, Tex. Drill rod. 2,419,738; Apr. 29.
Smith, Wilfred S., Bedford, and F. J. Walters, Bedford Park, London, England. Change-speed conversion unit. 2,419,797; Apr. 29.
Socony-Vacuum Oil Company, Incorporated, assignee: *See—*
  Noland, Thomas T.
  Otto, Ferdinand P., and Meyer.
Sperry Gyroscope Company, Inc., assignee: *See—*
  Webber, Hugh E.
Spina, Anthony, Brooklyn, N. Y. Crystal grinding device. 2,419,739; Apr. 29.
Staaf, Werner I., Rennerdale, Pa. Adjustable headband for industrial headgear. 2,419,661; Apr. 29.
Stalcup, Ivan F., Bloomfield, Ind. Garment hanger. 2,419,857; Apr. 29.
Standard Oil Company, assignee: *See—*
  Bearse, Arthur E., and Leonard.
  Shoemaker, Bernard H., and Evering.
Standard Telephones and Cables Limited, assignee: *See—*
  Chatterjea, Prafulla K., and Scully.
  Foster, John.
  Levy, Maurice M.
  Tomlia, Stanley G.
  Ullrich, Edward H.
Stanley, Paul H., Huntingdon Valley, assignor to Autogiro Company of America, Philadelphia, Pa. Rotative winged aircraft having a plurality of yaw-moment producing means. 2,419,604; Apr. 29.
Stanley, Richard W., Drexel Hill, Pa., assignor to American Viscose Corporation, Wilmington, Del. Thread-advancing reel. 2,419,605; Apr. 29.
Steel Processing Company, assignee: *See—*
  Millard, Emmor H., and Wilson.
Stern, Paul H.: *See—*
  Johnson, Norman A., and Stern.
Stewart-Warner Corporation, assignee: *See—*
  Leslie, John H., II.
Stock, Harry, Minneapolis, Minn. Suction nozzle. 2,419,740; Apr. 29.
Stodola, Edwin K., Neptune, N. J., assignor to the United States of America, as represented by the Secretary of War. Linear saw-tooth generator. 2,419,606; Apr. 29.
Stone, George A., Columbus, Ohio. Special head with guide openings for braiding machines. 2,419,741; Apr. 29.
Stone, Guthrie B., Springwater, N. Y. Toilet tissue holder. 2,419,798; Apr. 29.
Stubritz-Greeve Spring Corporation, assignee: *See—*
  Caughey, John M.
Submarine Signal Company, assignee: *See—*
  Smith, Edward W.
  Turner, Edwin E., Jr.
Sutton, Frank A., Onchiota, N. Y. Penetrating prong buckle. 2,419,662; Apr. 29.
Swan, Carl W., Skokie, assignor to Teletype Corporation, Chicago, Ill. Receiver transmitter. 2,419,799; Apr. 29.
Swanson, Harry G.: *See—*
  Wiggin, Rinaldo E., and Swanson.
Swenson, James W., assignee: *See—*
  Hudson, William H.
Swift Electric Welder Company, assignee: *See—*
  Taylor, Floyd E.
Swope, Leslie R., Huntsville, Tex. Corrugated metal roofing. 2,419,663; Apr. 29.
Sylvania Electric Products Inc., assignee: *See—*
  Mager, Eric L.
  McCarthy, Henry J.
Tabbert, Paul C., Bridgman, Mich. Combined air filter and muffler. 2,419,664; Apr. 29.
Taber, Gene V., Moline, Ill. Sanding drum. 2,419,858; Apr. 29.
Talboys, Henry H., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Internal grinder and polisher. 2,419,665; Apr. 29.
Tarr, Philip R., and D. C. Cline, Silver Lake Village, Ohio. Apparatus for fluid treating roll film. 2,419,859; Apr. 29.
Taylor, Edward S. and R. C., Honley, England. Tool post for capstan and like lathes. 2,419,742; Apr. 29.
Taylor, Floyd E., Birmingham, assignor to Swift Electric Welder Company, Detroit, Mich. Electric welding machine. 2,419,921; Apr. 29.
Taylor, Raymond C.: *See—*
  Taylor, Edward S. and R. C.

Taylor, William I., Spondon, near Derby, assignor to British Celanese Limited, London, England. Closure for bottles and the like. 2,419,743; Apr. 29.
Tear, James D.: *See—*
  Poitras, Edward J., and Tear.
Teleregister Corporation, The, assignee: *See—*
  Marshall, Joseph C., May, and Whitney.
Teletype Corporation, assignee: *See—*
  Lake, Ross A.
  Potts, Louis M.
  Potts, Louis M., and Schuler.
  Swan, Carl W.
Terry, Victor J., and T. F. S. Hargreaves, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Measuring electrical signal amplitude changes. 2,419,607; Apr. 29.
Thompson Products, Inc., assignee: *See—*
  Cummings, Robert E.
Thwaites, Earl E., Houston, Tex. Suction attachment for dental lathes. 2,419,744; Apr. 29.
Tippetts, Emerson A., Richmond, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing reinforcing elements. 2,419,922; Apr. 29.
Titan Manufacturing Co., Inc., assignee: *See—*
  Reiser, Alfred A.
Tolbert, William P., assignor to Anthes Force Oiler Company, Fort Madison, Iowa. Adjustable bracket. 2,419,923; Apr. 29.
Tomlin, Stanley G., London, W. C. 2, assignor to Standard Telephones and Cables Limited, London, England. Ultra high frequency amplifier. 2,419,800; Apr. 29.
Trecek, Louis, assignor to The Celon Company, Madison, Wis. Display package. 2,419,745; Apr. 29.
Turner, Edwin E., Jr., West Roxbury, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Electrical oscillator. 2,419,608; Apr. 29.
Ullrich, Edward H., London, W. C. 2, assignor to Standard Telephones and Cables Limited, London, England. Overcoming the effects of earth reflections in directional antenna systems. 2,419,609; Apr. 29.
Underwood, Garfield J.: *See—*
  Shuttleworth, Howard L., Underwood, and Jones.
Union Oil Company of California, assignee: *See—*
  Albaugh, Frederick W.
United Aircraft Corporation, assignee: *See—*
  Morris, Charles L.
United Aircraft Products, Inc., assignee: *See—*
  Cruzan, Harold, and Warrick.
  Dykeman, Reuben G., Shaw, and Hoffman.
United Shoe Machinery Corporation, assignee: *See—*
  Hart, George T., Jr.
  Quinn, Edward, and Muzzey.
  Roske, Milton H.
United States Rubber Company, assignee: *See—*
  Brown, Charles F.
Universal Oil Products Company, assignee: *See—*
  Day, Roland B.
  Pines, Herman, and Ipatieff.
  Williams, Thomas J.
Uphues, Frank P., assignor to Crane Co., Chicago, Ill. Bath tub construction. 2,419,801; Apr. 29.
Urrutia, Miguel A., Habana, Cuba. Adjustable pipe support. 2,419,860; Apr. 29.
Vander Woude, Philip J.: *See—*
  Busignies, Henri G., and Vander Woude.
  Clark, Trevor H., and Vander Woude.
Van Horne, Mark, Rochester, N. Y. Motor mural comprising a canvas moved along a wall from one spool to another. 2,419,802; Apr. 29.
Vaughn, Thomas H.: *See—*
  Wegst, Walter F., Bacon, and Vaughn.
Veria, Rosario, Los Angeles, Calif. Eraser. 2,419,746; Apr. 29.
Vogel, Frank, Philadelphia, Pa. Needle threader. 2,419,861; Apr. 29.
Wahle, Adolph, assignor of one-half to W. H. Martin, Davenport, Iowa. Pump. 2,419,924; Apr. 29.
Waldorf, Adrian, Washington, D. C. Perspective drafting device. 2,419,610; Apr. 29.
Waldron, Frederic B., Prescot, assignor to Pilkington Brothers Limited, Liverpool, England. Apparatus for simultaneously polishing both faces of a travelling strip of glass. 2,419,926; Apr. 29.
Waldron, Frederic B., Prescot, and J. H. Griffin, St. Helens, assignors to Pilkington Brothers Limited, Liverpool, England. Apparatus for simultaneously polishing both faces of a travelling strip of glass. 2,419,925; Apr. 29.
Wales, George F., Kenmore, N. Y. Method of and apparatus for punching by transfer means. 2,419,862; Apr. 29.
Walsh, Allen A., West Englewood, N. J., assignor to Radio Corporation of America. Shock mount for collapsible antennas. 2,419,611; Apr. 29.
Walters, Frederick J.: *See—*
  Smith, Wilfred S., and Walters.
War, United States of America as represented by the Secretary of, assignee: *See—*
  Stodola, Edwin K.

Ware, David H., Schenectady, N. Y., assignor to General Electric Company. Laminated rotor for dynamoelectric machines. 2,419,863; Apr. 29.
Warmisham, Arthur, and C. G. Wynne, Leicester, England. Optical objective. 2,419,803; Apr. 29.
Warmisham, Arthur, and C. G. Wynne, Leicester, England. Optical objective. 2,419,804; Apr. 29.
Warrick, Edward C.: *See*—
  Cruzan, Harold, and Warrick.
Warshaw, Howard D., Drexel Hill, Pa. Magnetic vane type ratiometer. 2,419,612; Apr. 29.
Wassman, August H., St. Louis County, assignor to Carter Carburetor Corporation, St. Louis, Mo. Conditioner for recirculated exhaust gases. 2,419,747; Apr. 29.
Webber, Hugh E., Williston Park, N. Y., assignor to Sperry Gyroscope Company, Inc. Tuned microwave wattmeter. 2,419,613; Apr. 29.
Weber, John W., and C. R. Davies, assignors to Proctor & Schwartz, Inc., Philadelphia, Pa. Hand carding tool. 2,419,748; Apr. 29.
Wegst, Walter F., L. R. Bacon, Wyandotte, and T. H. Vaughn, Grosse Ile, assignors to Wyandotte Chemicals Corporation, Wyandotte, Mich. Inhibiting alkali dissolution of glass. 2,419,805; Apr. 29.
Weinhardt, Robert A., Detroit, Mich., and H. J. Bowman, East Troy, Wis. Electropercussive welding apparatus. 2,419,749; Apr. 29.
Welch, Arthur R., Hoquiam, Wash. Coated wood product. 2,419,614; Apr. 29.
Weldon, James O., Del Rio, Tex., assignor to Federal Telephone & Radio Corporation, New York, N. Y. Hum reducing modulator. 2,419,615; Apr. 29.
Wendel, Kenneth J., Park Rapids, Minn. Inlet and outlet air distributing duct for buildings having an automatic damper means. 2,419,806; Apr. 29.
Werth, Laurence A., Dearborn, Mich. Device for separating liquids of different specific gravity. 2,419,666; Apr. 29.
Westin, Axel, Milwaukee, assignor, by mesne assignments, of one-third to S. Westin, Elm Grove, one-third to A. Westin, and one-third to C. Greenblatt, Milwaukee, Wis. Reduction of tubular blanks. 2,419,864; Apr. 29.
Westin, Sven, assignee, et al.: *See*—
  Westin, Axel.
Weston, Arthur W., and W. H. Hoffman, Waukegan, assignors to Abbott Laboratories, Inc., North Chicago, Ill. Carbalkoxylation of phenylacetates. 2,419,865; Apr. 29.
Wheeling Steel Corporation, assignee: *See*—
  Okonski, Theodore S.
White, Richard J., assignor to American Can Company, New York, N. Y. Container. 2,419,616; Apr. 29.
Whitney, Charles S., Jr.: *See*—
  Marshall, Joseph C., May, and Whitney.
Wiberg, Walter R., assignor ot Boeing Aircraft Company, Seattle, Wash. Flexible duct coupling. 2,419,750; Apr. 29.
Wiggin, Rinaldo E., Saugus, and H. G. Swanson, Watertown, Mass., assignors to General Electric Company. Caging signal device for gyroscopes. 2,419,928; Apr. 29.
Wilcox, George D., assignor of one-half to F. J. Haynes, Detroit, Mich.; F. C. Cook, executor of F. J. Haynes, deceased; J. C. Cook, executor of G. D. Wilcox, deceased. Auxiliary powered vehicle construction. 2,419,807; Apr. 29.
Wilcox, George D., assignor of one-half to F. J. Haynes, Detroit, Mich.; F. C. Cook, executor of F. J. Haynes, deceased; J. C. Cook, executor of G. D. Wilcox, deceased. Auxiliary powered vehicle construction. 2,419,929; Apr. 29.
Wild, Alfred: *See*—
  Busch, Fred, and Wild.
Willard, Gerald W., Fanwood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Optical device for testing crystal sections. 2,419,617; Apr. 29.
Williams, Stanley V.: *See*—
  Jones, Douglas E., Ransley, Ryde, and Williams.
Williams, Thomas J., assignor to Universal Oil Products Company, Chicago, Ill. Isomerization of normal paraffins. 2,419,667; Apr. 29.
Wilson, Burton E., and H. W. Savercool, Greenville, Calif. Log sawing machine. 2,419,751; Apr. 29.
Wilson, Clarence W., Norco, assignor to California Fruit Growers Exchange, Los Angeles, Calif. Clarifying liquids. 2,419,930; Apr. 29.
Wilson, Frederick R.: *See*—
  Millard, Emmor H., and Wilson.
Wilson, Howard R., Lakewood, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of sulfamic acid. 2,419,618; Apr. 29.
Wilson, Walter G., Martyr Worthy, Winchester, England. Aerial torpedo. 2,419,866; Apr. 29.
Wirth, Otto, assignor to Micafil Ltd., Zurich, Switzerland. Wire tensioning device for coil winding machines. 2,419,808; Apr. 29.
Wochos, Wenzel M., Jr.: *See*—
  Ensign, George G., Lawson, Schaefer, and Wochos.
Wolff, Joachim, London, assignor of one-half to H. Dent, London, N. 6, England. Electromagnetic telephone receiver. 2,419,697; Apr. 29.
Wood, Alden O., Parma, assignor to The Ohio Crankshaft Company, Cleveland, Ohio. Heat treating flanges and the like. 2,419,619; Apr. 29.
Wood, Alfred R., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Thread case and carrier therefor for lock-stitch sewing machines. 2,419,698; Apr. 29.
Wood, Frank J., Riverside, assignor to Goodman Manufacturing Company, Chicago, Ill. Loading and feeding apparatus for coils of strip metal. 2,419,699; Apr. 29.
Woodman, Edward, Seattle, Wash. Garment. 2,419,867; Apr. 29.
Woodruff & Edwards, Inc., assignee: *See*—
  Hazard, William H.
Wyandotte Chemicals Corporation, assignee: *See*—
  Wegst, Walter F., Bacon, and Vaughn.
Wynne, Charles G.: *See*—
  Warmisham, Arthur, and Wynne.
Yeomans, Lucien I., and R. P. Frye, assignors to Lucien I. Yeomans, Inc., Chicago, Ill. Machine tool. 2,419,868; Apr. 29.
Yeomans, Lucien I., Inc., assignee: *See*—
  Yeomans, Lucien I., and Frye.
Young, George G., Bridgeport, Conn., assignor to General Electric Company. Oscillation generator. 2,419,869; Apr. 29.
Young, Norman H., Jr., Jackson Heights, N. Y., assignor to Federal Telephone and Radio Corporation. Obstacle detection apparatus. 2,419,620; Apr. 29.
Zumbuhl, Gottfried F., San Francisco, Calif. Beam compass. 2,419,752; Apr. 29.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 29TH DAY OF APRIL, 1947

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Apparatus for protecting power lines. G. A. Matthews. Re. 22,872; Apr. 29.
Distribution system, Electrical. G. A. Matthews. Re. 22,873; Apr. 29.
Retaining mechanism for brake beams, Brake head. C. R. Moline. Re. 22,874; Apr. 29.

LIST OF DESIGN INVENTIONS

Animal figure, Walking. R. A. Kropp. 146,720; Apr. 29.
Ash tray. G. H. Decker. 146,703; Apr. 29.
Bottle. H. Genske. 146,713; Apr. 29.
Bowl or the like, Shaving soap. A. Levy. 146,723; Apr. 29.
Buckle, Belt. R. J. Druban. 146,706; Apr. 29.
Clothespin. W. Kaufman. 146,719; Apr. 29.
Coat. J. Freedman. 146,711–12; Apr. 29.
Coat for dogs, Hooded storm. R. A. Cheney. 146,698; Apr. 29.
Dispenser, Tape. J. B. Hudson. 146,718; Apr. 29.
Earring or similar article. M. Chernow. 146,699; Apr. 29.
Fabric or the like, Woven metal. A. J. Fitzgerald. 146,707–10; Apr. 29.
Foam generating apparatus. R. L. Tuve. 146,730; Apr. 29.
Fork, Barbecue. F. K. Storm. 146,729; Apr. 29.
Frame, Spectacle. J. Shyer. 146,727; Apr. 29.
Heating apparatus. G. Schueder and W. D. Teague. 146,726; Apr. 29.
Holder for beer foam scrapers or similar article. V. A. Schmitz. 146,725; Apr. 29.
Holder, Poker chip. R. Vaccarello. 146,731; Apr. 29.
Hook, Boot. A. S. Leitner. 146,722; Apr. 29.
Jacket. J. Walker. 146,732; Apr. 29.
Metal or similar flat surface material, Sheet of. H. A. Lauer. 146,721; Apr. 29.
Ornament for handbags or the like. F. X. Hiltenbrand. 146,717; Apr. 29.
Projector, amplifier, and loudspeaker, Combined sound motion picture. G. A. del Valle. 146,704; Apr. 29.
Sadiron, Electric. M. J. Denning. 146,705; Apr. 29.
Shoe. J. J. Hickey. 146,714–15; Apr. 29.
Slipper. G. Cohn. 146,700–2; Apr. 29.
Sole, Shoe. J. E. Ryan. 146,724; Apr. 29.
Tape-dispensing machine. H. H. Hillmer. 147,716; Apr. 29.
Tongs, Barbecue. F. K. Storm. 146,728; Apr. 29.
Tray or similar article, Food. I. B. Bates. 146,697; Apr. 29.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 29TH DAY OF APRIL, 1947

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading. C. A. Ellis and L. A. Severy. 2,419,543; Apr. 29.
Acid. Manufacture of sulfamic. H. R. Wilson. 2,419,618; Apr. 29.
Acids, Amidization of pyridine monocarboxylic. P. W. Garbo. 2,419,831; Apr. 29.
Acoustic system for uniform distribution of sound. W. W. Hayes. 2,419,894; Apr. 29.
Actuator, Electrical time controlled release. R. Sabor. 2,419,659; Apr. 29.
Adhesive composition, plywood, and making plywood, Polyvinyl resin. L. L. Blyler, J. W. Clough, C. W. Hawley, and E. C. Pitman. 2,419,880; Apr. 29.
Adjustable bracket. W. P. Tolbert. 2,419,923; Apr. 29.
Adjustable pipe support. M. A. Urrutia. 2,419,860; Apr. 29.
Aircraft having a plurality of yaw moment producing means. Rotative winged. P. H. Stanley. 2,419,604; Apr. 29.
Air distributing duct for buildings having an automatic damper means, Inlet and outlet. K. J. Wendel. 2,419,806; Apr. 29.
Airplane adapted for horizontal, vertical, and hovering flight, Convertible. L. W. Jordan. 2,419,780; Apr. 29.
Alkali dissolution of glass. Inhibiting. W. F. Wegst, L. R. Bacon, and T. H. Vaughn. 2,419,805; Apr. 29.
Alkylation. B. H. Shoemaker and B. L. Evering. 2,419,692; Apr. 29.
Alkylation process. W. A. Schulze. 2,419,796; Apr. 29.
Alloy anode for electrodeposition of zinc. S. P. Lowe, M. K. T. Reikie, G. H. Kent, and G. W. Long. 2,419,722; Apr. 29.
Amines obtained by condensing diaryl amines with acetylene hydrocarbons, Secondary. A. W. Sloan. 2,419,736; Apr. 29.
Amplifier, Ultra high frequency. S. G. Tomlin. 2,419,800; Apr. 29.
Antenna arrangement for induction communication systems. H. E. Grimes. 2,419,833; Apr. 29.
Antenna array. A. G. Kandoian. 2,419,562; Apr. 29.
Antenna array, Directional. H. G. Busignies. 2,419,672; Apr. 29.
Antenna construction, Loop. T. H. Clark and P. J. Vander Woude. 2,419,539; Apr. 29.
Antenna, Loop. H. G. Busignies and P. J. Vander Woude. 2,419,673; Apr. 29.
Antenna, Scanning. C. B. H. Feldman. 2,419,556; Apr. 29.
Antenna system. T. H. Clark. 2,419,538; Apr. 29.
Antenna system. L. L. Libby. 2,419,577; Apr. 29.
Apparatus for automatically operating dump truck tail gates. E. L. Foy. 2,419,636; Apr. 29.
Apparatus for delivering measured quantities of liquid by volume from bottles or similar vessels. N. F. Gottschalk. 2,419,891; Apr. 29.
Apparatus for fluid treating roll film. P. R. Tarr and D. C. Cline. 2,419,859; Apr. 29.
Apparatus for gun fire control. R. E. Crooke. 2,419,886; Apr. 29.
Apparatus for measuring short time intervals. M. M. Levy. 2,419,576; Apr. 29.
Apparatus for measuring the ratio or product of two alternating voltages. J. E. Owen. 2,419,852; Apr. 29.
Apparatus for remotely repeating angular indications. R. Hardy. 2,419,550; Apr. 29.
Apparatus for re-refining lubricating oil. M. J. Livingston. 2,419,579; Apr. 29.
Apparatus for simultaneously polishing both faces of a travelling strip of glass. G. H. Baillie. 2,419,927; Apr. 29.
Apparatus for simultaneously polishing both faces of a travelling strip of glass. F. B. Waldron. 2,419,926; Apr. 29.
Apparatus for simultaneously polishing both faces of a travelling strip of glass. F. B. Waldron and J. H. Griffin. 2,419,925; Apr. 29.
Apparatus for submarine signalling. E. W. Smith. 2,419,603; Apr. 29.
Apparatus for the storage of fluorine. H. F. Priest and A. V. Grosse. 2,419,915; Apr. 29.
Applicator, Dentifrice. R. G. Hobelmann. 2,419,896; Apr. 29.
Aqueous dispersions of synthetic resins, Preparing. C. F. Brown. 2,419,816; Apr. 29.
Armature. Circuit breaker-balanced. H. C. Graves, Jr. 2,419,892; Apr. 29.
Arrangement adapted to suppress radio frequency currents on conductors. H. O. Roosenstein. 2,419,855; Apr. 29.
Arylides of ortho-hydroxy carboxylic acid. H. W. Grimmel and A. Guenther. 2,419,932; Apr. 29.
Assembler for line casting machines. E. E. Alm. 2,419,700; Apr. 29.
Automatic heat regulator. M. E. Chandler. 2,419,820; Apr. 29.
Band, Back. E. S. Jefferson. 2,419,897; Apr. 29.
Barrel stand. D. E. Meehan. 2,419,786; Apr. 29.
Bathtub construction. F. P. Uphues. 2,419,801; Apr. 29.
Bearing assembly. J. E. Shafer. 2,419,691; Apr. 29.
Bleaching bath and bleaching color film. F. J. Kaszuba. 2,419,900; Apr. 29.
Blowgun. W. B. Knight and A. R. Meadors, Jr. 2,419,720; Apr. 29.
Boiler water feeder. M. E. Chandler. 2,419,821; Apr. 29.
Bomb. R. A. Peterson. 2,419,854; Apr. 29.
Bookholder. E. Kopp. 2,419,721; Apr. 29.
Booster pump. R. R. Curtis and T. R. Dinsmore. 2,419,676; Apr. 29.
Brace for boxed produce loads. J. N. Adams. 2,419,754; Apr. 29.
Brace, Rail. J. H. Asselin. 2,419,701; Apr. 29.
Bracket: *See—*
  Adjustable bracket.
Brake. J. J. Low. 2,419,784; Apr. 29.
Breast pump. P. W. Saunders. 2,419,795; Apr. 29.
Brush, Paint. I. Kantor. 2,419,809; Apr. 29.
Buckle, Penetrating prong. F. A. Sutton. 2,419,662; Apr. 29.
Building construction. E. W. Marten. 2,419,843; Apr. 29.
Cable: *See—*
  Magnetic minesweeping electrode cable.
Camera spring device. W. R. Galter. 2,419,715; Apr. 29.
Camera view finder. J. B. Contner. 2,419,706; Apr. 29.
Carbalkoxylation of phenylacetates. A. W. Weston and W. H. Hoffman. 2,419,865; Apr. 29.
Carbon black process and apparatus. J. C. Krejci. 2,419,565; Apr. 29.
Carburetor. P. F. Adair. 2,419,523; Apr. 29.
Carburetor. G. F. Embshoff. 2,419,679; Apr. 29.
Card punching machine, Key operated. L. M. Keefe. 2,419,781; Apr. 29.
Cartridge and applicator therefor, Chemical. L. T. Merrick. 2,419,845; Apr. 29.
Case: *See—*
  Display case.
Catalytic conversion apparatus. J. Biegel. 2,419,528; Apr. 29.
Cells, Electrolytic. W. C. Gardiner. 2,419,832; Apr. 29.
Centrifugal pump. F. Miess. 2,419,905; Apr. 29.
Chair: *See—*
  Nesting chair.
Change-speed conversion unit. W. S. Smith and F. J. Walters. 2,419,797; Apr. 29.
Circuit: *See—*
  Delay circuit.
  Discriminator circuit.
  Electrical circuit.
  Receiver circuit.
  Ultra high frequency electron discharge device circuit.
Circuit controlling device. T. W. Buslawski. 2,419,819; Apr. 29.
Circuits, Branching. H. T. Friis. 2,419,557; Apr. 29.
Circuits, Servo mechanism. A. V. Bedford. 2,419,812; Apr. 29.
Clamp for cables and the like. A. M. Bruce. 2,419,761; Apr. 29.
Clamping member for tipless cord connectors. E. S. McLarn. 2,419,652; Apr. 29.
Clip: *See—*
  Fishhook retaining clip.
Closure. L. B. Koontz. 2,419,648; Apr. 29.
Closure for bottles and the like. W. I. Taylor. 2,419,743; Apr. 29.
Clutch: *See—*
  Concave clutch.
  Friction clutch.
Clutch. D. D. Ormsby. 2,419,913; Apr. 29.
Coating frangible articles. Method and apparatus of. G. W. Borkland. 2,419,758; Apr. 29.
Collapsible stroller vehicle. L. C. Peltier. 2,419,790; Apr. 29.
Compass. Beam. G. F. Zumbuhl. 2,419,752; Apr. 29.
Compressor. J. A. Sinclair. 2,419,920; Apr. 29.
Concave clutch. H. E. Emmott. 2,419,712; Apr. 29.

Condensation products of diolefins with diarylamines and antioxidant compositions containing said products. A. W. Sloan. 2,419,735; Apr. 29.
Conditioner for recirculated exhaust gases. A. H. Wasman. 2,419,747; Apr. 29.
Connector device, Shockproof. J. F. O'Brien and E. S. Boynton. 2,419,585; Apr. 29.
Construction for shoes, Midsole. G. S. Colella. 2,419,629; Apr. 29.
Container. W. H. Inman. 2,419,646; Apr. 29.
Container. R. J. White. 2,419,616; Apr. 29.
Container formed of interlocking sections, Tool. L. H. Parks. 2,419,587; Apr. 29.
Container having a gravity operated closure, Dispensing. L. Frank. 2,419,769; Apr. 29.
Control means for calculating machines, Operation. E. F. Britten, Jr. 2,419,760; Apr. 29.
Conveyor for heat-treating apparatus. E. E. Isgren and N. Dirks. 2,419,559; Apr. 29.
Core, Powdered iron magnetic. A. F. Mittermaier. 2,419,847; Apr. 29.
Countersinking machine. J. A. Roberts. 2,419,657; Apr. 29.
Coupling: *See—*
  Flexible duct coupling.
  Pipe coupling.
  Pipe or hose coupling.
  Quick detachable coupling.
  Turbine type dual hydraulic coupling.
Coupling network, Wide band interstage. W. E. Bradley. 2,419,882; Apr. 29.
Crane. W. W. Berchtold. 2,419,813; Apr. 29.
Crystal contact of which one element is mainly silicon. D. E. Jones, E. Ransley, J. W. Ryde, and S. V. Williams. 2,419,561; Apr. 29.
Damper control, Electric. H. C. Holz. 2,419,776; Apr. 29.
Damper winding for synchronous machines. C. E. Kilbourne. 2,419,839; Apr. 29.
Damping device cylinder construction, Hydraulic. G. M. Magrum. 2,419,651; Apr. 29.
Decalcomania. H. F. Schoetz, Jr. 2,419,918; Apr. 29.
Decorator, Pastry. W. V. Moore. 2,419,654; Apr. 29.
Dehydration apparatus having conveyors, agitators, radiant heaters and gas circulating means. C. Birdseye. 2,419,876; Apr. 29.
Delay circuit. D. D. Grieg. 2,419,546; Apr. 29.
Demonstrating device. H. M. Rogers. 2,419,658; Apr. 29.
Demountable device for punching tubes. H. A. Burleson. 2,419,534; Apr. 29.
Detection apparatus, Obstacle. N. H. Young, Jr. 2,419,620; Apr. 29.
Detection system, Distance indicating. L. A. de Rosa. 2,419,541; Apr. 29.
Device for automatic lathe. E. Bodmer. 2,419,704; Apr. 29.
Device for separating liquids of different specific gravity. L. A. Werth. 2,419,666; Apr. 29.
Diamond drill. W. G. Lake. 2,419,901; Apr. 29.
Diaryl nitrosamines, Production of. H. J. Kehe. 2,419,718; Apr. 29.
Diffuser for centrifugal compressors. R. Birmann. 2,419,669; Apr. 29.
Direction finding system. H. G. Busignies. 2,419,671; Apr. 29.
Discriminator circuit. D. D. Grieg. 2,419,548; Apr. 29.
Disinfectants, Seed and plant. K. G. Nolan and I. Hechenbleikner. 2,419,888; Apr. 29.
Dispenser: *See—*
  Self-threading dispenser.
Display case. Z. Black. 2,419,624; Apr. 29.
Drafting device, Perspective. A. Waldorf. 2,419,610; Apr. 29.
Drawing instrument, Perspective. G. M. Nosser. 2,419,725; Apr. 29.
Drill: *See—*
  Diamond drill.
Drive, Lathe spindle. D. G. Anderson. 2,419,622; Apr. 29.
Drive rod. L. F. Smith. 2,419,738; Apr. 29.
Drum, Sanding. G. V. Taber. 2,419,858; Apr. 29.
Dry cell, Leakproof. W. L. Paul. 2,419,589; Apr. 29.
Dynamoelectric machine. A. C. Hugin. 2,419,837; Apr. 29.
Earth reflections in directional antenna systems. Overcoming the effects of. E. H. Ullrich. 2,419,609; Apr. 29.
Eggshells to produce a purified calcium carbonate, Treating. M. Contesso. 2,419,822; Apr. 29.
Electric heater. A. A. Reiser. 2,419,655; Apr. 29.
Electric switch. H. Carling. 2,419,627; Apr. 29.
Electric switch. J. H. Leslie, II. 2,419,685; Apr. 29.
Electrical circuit. J. R. Lindsay. 2,419,686; Apr. 29.
Electrical measurement of changes of impedance. R. C. Lawlor. 2,419,573; Apr. 29.
Electrical signal amplitude changes, Measuring. V. J. Terry and T. F. S. Hargreaves. 2,419,607; Apr. 29.
Electrocardiotachometer. V. Guillemin, Jr. 2,419,682; Apr. 29.
Electrode construction for high-frequency electronic devices. H. J. McCarthy. 2,419,903; Apr. 29.
Electrode holder. P. Jepson. 2,419,560; Apr. 29.
Electrode holder. J. E. Paulson. 2,419,789; Apr. 29.
Electron discharge device. J. P. Laico and V. L. Ronci. 2,419,572; Apr. 29.
Electron discharge device. C. V. Litton. 2,419,578; Apr. 29.
Electron discharge tube. J. Foster. 2,419,544; Apr. 29.
Engine: *See—*
  Multiple opposed piston engine.
Engine and propeller unit, Aircraft. G. Muffly. 2,419,787; Apr. 29.
Eraser. R. Veria. 2,419,746; Apr. 29.
Ester derivatives of lignin sulphates. K. Longley. 2,419,783; Apr. 29.
Excavating tooth. A. W. Daniels and J. P. Murtaugh. 2,419,677; Apr. 29.
Excavator, Snow. N. L. James. 2,419,779; Apr. 29.
Extractor: *See—*
  Fruit juice extractor.
Fabric reinforcement, Woven. F. W. Fraim. 2,419,829; Apr. 29.
Fabricating articles, Method and apparatus for. P. Crosley, III. 2,419,765; Apr. 29.
Feeder: *See—*
  Boiler water feeder.
  Rabbit feeder.
Filling for bedding, Manufacture of. I. Rubinstein. 2,419,732; Apr. 29.
Film developing apparatus, Photographic. S. J. Pask. 2,419,853; Apr. 29.
Filter and muffler, Combined air. P. G. Tabbert. 2,419,664; Apr. 29.
Fishhook retaining clip. G. A. Adair. 2,419,753; Apr. 29.
Flanges and the like, Heat-treating. A. O. Wood. 2,419,619; Apr. 29.
Flexible duct coupling. W. R. Wiberg. 2,419,750; Apr. 29.
Flocking apparatus. D. Hester. 2,419,835; Apr. 29.
Fluorescent electric discharge lamp. E. L. Mager. 2,419,902; Apr. 29.
Food by radiant energy and gas, Dehydrating. C. Birdseye. 2,419,875; Apr. 29.
Food products, Improving and preserving. C. Birdseye. 2,419,877; Apr. 29.
Footwear. R. Maling. 2,419,785; Apr. 29.
Frame with support, Picture. C. N. Cross and G. E. Nichols. 2,419,823; Apr. 29.
Friction clutch. J. E. Freeborn. 2,419,890; Apr. 29.
Fruit juice extractor. C. Mason. 2,419,688; Apr. 29.
Fruit juice, Making natural colored. H. A. Noyes. 2,419,909; Apr. 29.
Fuze, Water armed. G. E. Breeze and G. R. F. Gay. 2,419,815; Apr. 29.
Garment. A. A. Elkins. 2,419,827; Apr. 29.
Garment. E. Woodman. 2,419,867; Apr. 29.
Garment hanger. B. O. Blades. 2,419,879; Apr. 29.
Garment hanger. R. E. Earl. 2,419,767; Apr. 29.
Garment hanger. L. B. Harris and V. R. Pascale. 2,419,621; Apr. 29.
Garment hanger. J. L. Mack, Sr. 2,419,723; Apr. 29.
Garment hanger. M. Phillips. 2,419,791; Apr. 29.
Garment hanger. I. F. Stalcup. 2,419,857; Apr. 29.
Gauge for machine tools, Measuring. W. E. Burton. 2,419,818; Apr. 29.
Gear: *See—*
  Power transmission gear.
Gear hobbing machine, Automatic worm. H. Pelphrey. 2,419,726; Apr. 29.
Generator: *See—*
  Linear saw-tooth generator.
  Oscillation generator.
  Steam generator.
Generator system, Pulse. T. L. Gottier. 2,419,772; Apr. 29.
Glass articles, Molding. R. P. Cassell. 2,419,763–4; Apr. 29.
Glide path system. L. Himmel. 2,419,551; Apr. 29.
Gocart. P. M. Ressinger. 2,419,656; Apr. 29.
Gocart receptacle. A. J. Flynn, Jr. 2,419,680; Apr. 29.
Grinder and polisher, Internal. H. H. Talboys. 2,419,665; Apr. 29.
Grinder, Contour cutter. O. M. Braaten. 2,419,529; Apr. 29.
Grinding device, Crystal. A. Spina. 2,419,739; Apr. 29.
Grip for tensile testing. R. R. Dillon. 2,419,711; Apr. 29.
Guard for heel strippers. G. Hunt. 2,419,644; Apr. 29.
Gun perforator for oil well casings. W. Lampel and R. Hörndlein. 2,419,841; Apr. 29.
Hair straightening and drying device. M. D. Howe. 2,419,777; Apr. 29.
Hand carding tool. J. W. Weber and C. R. Davies. 2,419,748; Apr. 29.
Handle accessory for containers. S. N. Lebold. 2,419,842; Apr. 29.
Handle for suction cleaners. F. S. Howard. 2,419,554; Apr. 29.
Hanger: *See—*
  Garment hanger.
Hanger. J. A. Carpenter. 2,419,675; Apr. 29.
Hanger. A. Graeber. 2,419,638; Apr. 29.
Headband for industrial headgear, Adjustable. W. I. Staaf. 2,419,661; Apr. 29.
Head with guide openings for braiding machines, Special. G. A. Stone. 2,419,741; Apr. 29.

Heat storing and dissipating apparatus for furnaces. A. Di Filippo. 2,419,710; Apr. 29.
Heater: *See—*
  Electric heater.
  Portable ring type heater.
Heater. W. A. Bulger. 2,419,626; Apr. 29.
Heater. B. Leonard. 2,419,575; Apr. 29.
Heater and manufacturing it, Electrical. G. H. Morey. 2,419,848; Apr. 29.
Heel, Shoe. J. H. Buechler. 2,419,670; Apr. 29.
Hoe, Rotary. G. E. Karl. 2,419,717; Apr. 29.
Holder: *See—*
  Electrode holder.
  Toilet tissue holder.
Holder for lipstick or the like, Sleeveless expellant. J. W. Anderson. 2,419,526; Apr. 29.
Hook: *See—*
  Pelican hook.
Hone. H. C. Satterthwaite. 2,419,660; Apr. 29.
Hydantoin, Production of. E. C. Britton, J. E. Livak, and M. F. Murray. 2,419,530; Apr. 29.
Hydraulic power system. E. J. Poitras and J. D. Tear. 2,419,792; Apr. 29.
Hydrocarbons, Alkylation of aromatic. W. A. Schulze. 2,419,599; Apr. 29.
Hydrocarbons, Alkylation of cyclic. R. B. Day. 2,419,632; Apr. 29.
Hydrocarbons, Conversion of. H. Pines and V. N. Ipatieff. 2,419,690; Apr. 29.
Hydrogen fluoride catalyst, Recovery of. J. D. Gibson. 2,419,558; Apr. 29.
Impedance effects in grounded communication circuits, Reducing. J. H. Mole. 2,419,907; Apr. 29.
Impeller for supercharges, Fuel injection. O. W. Schey and W. K. Ritter. 2,419,598; Apr. 29.
Impulse generating system. G. J. Lehmann. 2,419,574; Apr. 29.
Innersole and making the same. F. L. Ayers. 2,419,871; Apr. 29.
Iron: *See—*
  Steam electric iron.
Jewels, Oliving. G. P. Luckey. 2,419,687; Apr. 29.
Joint: *See—*
  Swivel pipe joint.
Joints, Sealing conductor. A. G. Richardson. 2,419,592; Apr. 29.
Juice, Method of and apparatus for extracting. H. E. Gray and A. M. Erickson. 2,419,545; Apr. 29.
Key for saxophones, F bar. L. E. Berkson. 2,419,874; Apr. 29.
Knitting machine and needle therefor. A. Schwartz. 2,419,856; Apr. 29.
Lamp: *See—*
  Fluorescent electric discharge lamp.
Lighter. I. Florman. 2,419,889; Apr. 29.
Linear saw-tooth generator. E. K. Stodola. 2,419,606; Apr. 29.
Liquid conditioning device, Congealable. R. G. Dykeman, J. C. Shaw, and A. C. Hoffman. 2,419,634; Apr. 29.
Liquids, Clarifying. C. W. Wilson. 2,419,930; Apr. 29.
Loading and feeding apparatus for coils of strip metal. F. J. Wood. 2,419,699; Apr. 29.
Lock: *See—*
  Lubricant controlling valve spring retainer lock.
  Nut lock.
Locking mechanism, Gimbal. G. G. Ensign, R. R. Lawson, E. H. Schaefer and W. M. Wochos, Jr. 2,419,768; Apr. 29.
Log sawing machine. B. E. Wilson and H. W. Savercool. 2,419,751; Apr. 29.
Lubricant controlling valve spring retainer lock. R. E. Cummings. 2,419,708; Apr. 29.
Lubricant, Saw blade. E. L. Flood. 2,419,713; Apr. 29.
Machine for stencilling fabric with suction. H. L. Shuttleworth, G. J. Underwood, and L. R. Jones. 2,419,695; Apr. 29.
Machine tool. L. I. Yeomans and R. P. Frye. 2,419,868; Apr. 29.
Magnesium cyanide, Producing. A. R. Frank and R. B. Booth. 2,419,931; Apr. 29.
Magnetic minesweeping electrode cable. C. J. Quigley. 2,419,591; Apr. 29.
Magnetron vacuum tube. P. G. Chevigny. 2,419,536; Apr. 29.
Mask, Welder's. L. Lieg. 2,419,649; Apr. 29.
Material unloading and conveying mechanism for trucks. J. W. Davis. 2,419,824; Apr. 29.
Measuring device, Liquid level. J. J. Dávalos. 2,419,709; Apr. 29.
Mechanism for intermittently advancing film. T. S. Briskin and J. J. Golick. 2,419,759; Apr. 29.
Metal drawing apparatus. R. W. Andrews, Jr., and A. T. Deily. 2,419,870; Apr. 29.
Metal, Fastening together sheets of expanded. T. S. Okonski. 2,419,910; Apr. 29.
Methylcyclopentene dimer, Process for preparing a. A. E. Bearse and J. E. Leonard. 2,419,668; Apr. 29.
Milking machine pulsator. H. A. McArthur and J. B. Decker. 2,419,844; Apr. 29.
Mineral oil composition. T. T. Noland. 2,419,584; Apr. 29.
Mineral oil composition. F. P. Otto and R. E. Meyer. 2,419,586; Apr. 29.
Mirror and guard assembly, Dental. E. L. Scott. 2,419,733; Apr. 29.
Modulator, Hum reducing. J. O. Weldon. 2,419,615; Apr. 29.
Moistening device for sole cutting machines. A. and A. Roy. 2,419,794; Apr. 29.
Mold: *See—*
  Shaping mold.
Mold and core and casting in same. T. Bellsnyder, Sr., and R. Ritchie. 2,419,873; Apr. 29.
Mold assembly for centrifugal casting. E. N. Greenwell. 2,419,716; Apr. 29.
Molding, Window. J. C. Meador. 2,419,653; Apr. 29.
Motor mural comprising a canvas moved along a wall from one spool to another. M. Van Horne. 2,419,802; Apr. 29.
Motor or compressor with longitudinal shaft and angularly inclined pistons geared thereto, Expansible chamber. L. Sejarto. 2,419,600; Apr. 29.
Motor vehicle and control mechanism therefor, Dual engine powered. F. H. Beall. 2,419,811; Apr. 29.
Motor vehicle control apparatus. F. H. Beall. 2,419,810; Apr. 29.
Mould: *See—*
  Shaping mould.
Mount for collapsible antennas, Shock. A. A. Walsh. 2,419,611; Apr. 29.
Mounted flat element radio tube. A. Binneweg, Jr. 2,419,757; Apr. 29.
Mounting for removable screens of hammer mills, grinders, and the like. W. P. Gruendler. 2,419,773; Apr. 29.
Multiple opposed piston engine. W. B. Bronander. 2,419,531; Apr. 29.
Musical instrument. S. C. Shill. 2,419,734; Apr. 29.
Needle threader. F. Vogel. 2,419,861; Apr. 29.
Nesting chair. R. H. James. 2,419,838; Apr. 29.
Nozzle, Suction. H. Stock. 2,419,740; Apr. 29.
Nut lock. C. L. Morris. 2,419,849; Apr. 29.
Optical device for testing crystal sections. G. W. Willard. 2,419,617; Apr. 29.
Optical objective. A. Warmisham and C. G. Wynne. 2,419,803–4; Apr. 29.
Oscillation generator. G. G. Young. 2,419,869; Apr. 29.
Oscillator, Electrical. E. E. Turner, Jr. 2,419,608; Apr. 29.
Oscillator, Pulsed. E. Labin. 2,419,566; Apr. 29.
Oven structure. W. H. Hudson. 2,419,643; Apr. 29.
Package, Display. L. Trecek. 2,419,745; Apr. 29.
Pad: *See—*
  Shoulder pad.
Paraffins, Isomerization of normal. T. J. Williams. 2,419,667; Apr. 29.
Pectic substances and their preparation. E. F. Bryant. 2,419,883; Apr. 29.
Pelican hook. W. R. MacCluney. 2,419,650; Apr. 29.
Photoelectric line-following apparatus. G. T. Hart, Jr. 2,419,641; Apr. 29.
Pile fabrics by suction, Stencilling. H. L. Shuttleworth, G. J. Underwood, and L. R. Jones. 2,419,694; Apr. 29.
Pipe coupling. G. J. Henry. 2,419,642; Apr. 29.
Pipe or hose coupling. C. R. Raffield. 2,419,916; Apr. 29.
Piston, Ringless self-expanding. G. P. Floyd. 2,419,714; Apr. 29.
Plate and the like, Method and apparatus for bending. E. H. Millard and F. R. Wilson. 2,419,724; Apr. 29.
Platform, Ladder. E. J. Picone. 2,419,727; Apr. 29.
Plotting instrument. F. M. Rushmore. 2,419,597; Apr. 29.
Plow, Peanut. C. F. Douglass. 2,419,633; Apr. 29.
Plug valve. O. Jacobsen. 2,419,647; Apr. 29.
Plunger for pinball machines. N. R. Glass. 2,419,770; Apr. 29.
Poaching, boiling, and frying device, Combination egg. S. Caplan. 2,419,674; Apr. 29.
Pocketbook and accessory case, Combined. F. O. Merz. 2,419,846; Apr. 29.
Portable ring type heater. J. L. Breese. 2,419,625; Apr. 29.
Post for capstan and like lathes, Tool. E. S. and R. C. Taylor. 2,419,742; Apr. 29.
Pot, Rivet heating. G. A. Bishop. 2,419,878; Apr. 29.
Power transmission gear. B. G. W. Bartlett. 2,419,703; Apr. 29.
Preboarding machine. A. O. Hurxthal. 2,419,645; Apr. 29.
Press for stepwise drawing of metal, Hydraulic. R. A. Kaser. 2,419,563; Apr. 29.
Propeller mechanism, Constant speed. P. F. Hackethal. 2,419,893; Apr. 29.
Pulse communication, Time-modulated. P. K. Chatterjea and C. T. Scully. 2,419,535; Apr. 29.
Pulse echo system. A. Preisman. 2,419,590; Apr. 29.
Pulsing device, Selective. E. Labin and D. D. Grieg. 2,419,571; Apr. 29.

Pump: *See—*
  Booster pump.
  Breast pump.
  Centrifugal pump.
  Reciprocating rotary distributing pump.
Pump. W. H. Hazard. 2,419,775; Apr. 29.
Pump. A. Wahle. 2,419,924; Apr. 29.
Pump sealing system, Circulating. H. Gartmann. 2,419,681; Apr. 29.
Punching by transfer means, Method of and apparatus for. G. F. Wales. 2,419,862; Apr. 29.
Quick detachable coupling. F. A. Barnes. 2,419,702; Apr. 29.
Rabbit feeder. R. A. Grindstaff. 2,419,834; Apr. 29.
Radio antenna. L. Himmel and M. Fuchs. 2,419,552; Apr. 29.
Radio beacon. A. Alford. 2,419,525; Apr. 29.
Radio communication system, Two-way. H. A. Robinson. 2,419,593; Apr. 29.
Radio detection system. E. Labin. 2,419,567; Apr. 29.
Radio frequency transmitter monitoring system and method. E. H. B. Bartelink. 2,419,527; Apr. 29.
Radio receiver. E. Labin and D. D. Grieg. 2,419,569; Apr. 29.
Radio receiver for frequency modulated signals. D. B. Smith. 2,419,696; Apr. 29.
Radio reflecting and low drag tow target. J. W. Griesinger and H. Goldstein. 2,419,549; Apr. 29.
Radio transmitter-receiver switching system. J. E. Keister. 2,419,564; Apr. 29.
Ratio attachment for pressure cabin controls. J. B. Cooper and A. B. Jepson. 2,419,707; Apr. 29.
Ratiometer, Magnetic vane type. H. D. Warshaw. 2,419,612; Apr. 29.
Receiver circuit. E. Labin and D. D. Grieg. 2,419,570; Apr. 29.
Receptacle: *See—*
  Gocart receptacle.
Reciprocating rotary distributing pump. A. Dreisin and R. E. Peterson. 2,419,542; Apr. 29.
Rectifier and making the same. M. F. Skinker and L. B. Haigh. 2,419,602; Apr. 29.
Reel: *See—*
  Thread-advancing reel.
Refractory and insulating materials. N. A. Johnson and P. H. Stern. 2,419,684; Apr. 29.
Regulator: *See—*
  Automatic heat regulator.
Reinforcing elements, Producing. E. A. Tippetts. 2,419,922; Apr. 29.
Relaying system, Carrier current protective. A. J. McConnell. 2,419,904; Apr. 29.
Resilient churn support. A. H. Boileau. 2,419,814; Apr. 29.
Resistor. C. J. Christensen. 2,419,537; Apr. 29.
Rod: *See—*
  Drill rod.
Roofing, Corrugated metal. L. R. Swope. 2,419,663; Apr. 29.
Rotor for dynamoelectric machines, Laminated. D. H. Ware. 2,419,863; Apr. 29.
Saver for husking devices, Shelled corn. A. E. Johnson. 2,419,898; Apr. 29.
Schedule apparatus, Production. F. B. Curtenius. 2,419,631; Apr. 29.
Screen and closure package, Ventilator. H. F. Gustafson. 2,419,640; Apr. 29.
Screw, Self-threading and locking. C. D. Fator. 2,419,555; Apr. 29.
Sea water fractionator. W. F. Borgerd and J. S. Palmer. 2,419,881; Apr. 29.
Seal, Bearing. S. M. Cooper. 2,419,885; Apr. 29.
Seal for rotary shafts. G. E. Pasco. 2,419,588; Apr. 29.
Seal, Shaft. M. L. Bettcher. 2,419,623; Apr. 29.
Sealing high-tension wires in sockets. W. O. Henschke. 2,419,683; Apr. 29.
Seam pressing machine. E. Quinn and F. E. Muzzey. 2,419,596; Apr. 29.
Seam pressing machine. M. H. Roske. 2,419,594; Apr. 29.
Seams formed in shoe parts, Pressing. M. H. Roske. 2,419,595; Apr. 29.
Seat having a resiliently mounted back rest. J. M. Caughey. 2,419,884; Apr. 29.
Self-threading dispenser. R. S. Avery. 2,419,809; Apr. 29.
Set-back switch. R. G. Ferris. 2,419,828; Apr. 29.
Sewage disposal system. L. C. Short and E. A. Iwen. 2,419,693; Apr. 29.
Shaping mold. J. H. Brown. 2,419,532; Apr. 29.
Shearing device for frangible closure discs of pressure fluid containers, Explosively operated. F. A. Dodelin and P. G. MacGregor. 2,419,826; Apr. 29.
Shoulder pad. B. Freeman. 2,419,830; Apr. 29.
Sighting device including an aperture divergent lens, Bore. L. H. Brown. 2,419,533; Apr. 29.
Signal device for gyroscopes, Caging. R. E. Wiggin and H. G. Swanson. 2,419,928; Apr. 29.
Sizing packages of yarn. L. B. Arnold, Jr. 2,419,756; Apr. 29.
Smoke composition, Stabilized colored. J. W. Orelup. 2,419,851; Apr. 29.
Snow vehicle. R. D. Acton. 2,419,522; Apr. 29.
Spring and alloy for timepieces, Compensating. S. Dinerstein. 2,419,825; Apr. 29.
Stand: *See—*
  Barrel stand.
Stanchion, Cow. A. Nickell. 2,419,788; Apr. 29.
Steam electric iron. F. Busch and A. Wild. 2,419,705; Apr. 29.
Steam generator. K. A. McCurdy. 2,419,582; Apr. 29.
Suction attachment for dental lathes. E. E. Thwaites. 2,419,744; Apr. 29.
Support: *See—*
  Adjustable pipe support.
  Resilient churn support.
Suspended matter in fluids, Method and apparatus for detecting. L. E. Pamphilon. 2,419,914; Apr. 29.
Switch: *See—*
  Electric switch.
  Set-back switch.
Switch for photographic copying cameras, Document operated. J. K. Holbrook. 2,419,836; Apr. 29.
Swivel pipe joint. B. L. Mills. 2,419,906; Apr. 29.
Synchronizing system. M. Gabriel and G. Guanella. 2,419,637; Apr. 29.
Table and separable service cabinet, Combination. R. L. Domash. 2,419,766; Apr. 29.
Telecommunication switching system. G. Deakin. 2,419,540; Apr. 29.
Telegraph apparatus, Printing. R. A. Lake. 2,419,782; Apr. 29.
Telegraph system having serially connected, step-by-step automatically selective stations, Printing. L. M. Potts and R. G. Schuler. 2,419,730; Apr. 29.
Telegraph system having serially connected, step-by-step selective station, Printing. L. M. Potts. 2,419,729; Apr. 29.
Telephone receiver, Electromagnetic. J. Wolff. 2,419,697; Apr. 29.
Testing and indicating system. M. B. McDavitt. 2,419,583; Apr. 29.
Testing system for impulse generators. H. D. MacPherson. 2,419,580; Apr. 29.
Thermostatic surge valve. H. Cruzan and E. C. Warrick. 2,419,630; Apr. 29.
Thread-advancing reel. R. W. Stanley. 2,419,605; Apr. 29.
Thread case and carrier therefor for lock-stitch sewing machines. A. R. Wood. 2,419,698; Apr. 29.
Toilet tissue holder. G. B. Stone. 2,419,798; Apr. 29.
Tool: *See—*
  Hand carding tool.
  Machine tool.
  Weeding tool.
Tool for grinding in internal-combustion engine valves. A. W. Porter. 2,419,728; Apr. 29.
Torpedo, Aerial. W. G. Wilson. 2,419,866; Apr. 29.
Toy. S. L. Beder. 2,419,872; Apr. 29.
Transformer, High reactance. E. G. Goddard. 2,419,771; Apr. 29.
Translator, Wave. D. D. Grieg. 2,419,547; Apr. 29.
Transmission and control mechanism, Lathe. W. F. Groene. 2,419,639; Apr. 29.
Transmission system. E. Labin. 2,419,568; Apr. 29.
Transmission system. M. Silver. 2,419,601; Apr. 29.
Transmission, Variable speed power. W. P. Norton. 2,419,850; Apr. 29.
Transmitter, Receiver. C. W. Swan. 2,419,799; Apr. 29.
Transmitter system, Printing telegraph station identification. J. C. Marshall, H. F. May, and C. S. Whitney. 2,419,581; Apr. 29.
Traps, Attachment for. A. E. Rector. 2,419,731; Apr. 29.
Treatment of oil sands, Chemical. F. W. Albaugh. 2,419,755; Apr. 29.
Trestle leg assembly. H. B. Imes. 2,419,778; Apr. 29.
Tube: *See—*
  Electron discharge tube.
  Magnetron vacuum tube.
  Mounted flat element radio tube.
  Ultra high frequency deflection modulated tube.
Tubing, Method and machine for forming corrugated. P. and J. Duenas. 2,419,678; Apr. 29.
Tubular blanks, Reduction of. A. Westin. 2,419,864; Apr. 29.
Turbine, Gas. R. K. McClintock. 2,419,689; Apr. 29.
Turbine type dual hydraulic coupling. H. Sinclair. 2,419,919; Apr. 29.
2-hydroxy-benzophenones and making same, Nuclear substituted. T. Houtman, Jr. 2,419,553; Apr. 29.
Typewriting machine, Stenographic. H. B. Smith. 2,419,737; Apr. 29.
Ultra high frequency deflection modulated tube. E. J. Hefele. 2,419,895; Apr. 29.
Ultra high frequency electron discharge device circuit. C. A. Rosencrans. 2,419,793; Apr. 29.
Valve: *See—*
  Plug valve.
  Thermostatic surge valve.
Valve for fluid containers, Stopper. C. T. La Mont. 2,419,840; Apr. 29.
Valve mechanism for hydraulic motors, Selective. C. W. Mott. 2,419,908; Apr. 29.

Vehicle: *See*—
  Collapsible stroller vehicle.
  Snow vehicle.
Vehicle construction, Auxiliary powered. D. D. Ormsby. 2,419,911–12; Apr. 29.
Vehicle construction, Auxiliary powered. G. D. Wilcox. 2,419,807; Apr. 29.
Vehicle construction, Auxiliary powered. G. D. Wilcox. 2,419,929; Apr. 29.
Vise, Universal. J. A. Disse. 2,419,887; Apr. 29.
Vision aid. E. G. Robeson. 2,419,917; Apr. 29.
Wattmeter, Tuned microwave. H. E. Webber. 2,419,613; Apr. 29.
Weeding tool. S. E. Kennedy. 2,419,719; Apr. 29.
Welding apparatus, Electropercussive. R. A. Weinhardt and H. J. Bowman. 2,419,749; Apr. 29.
Welding machine, Electric. F. E. Taylor. 2,419,921; Apr. 29.
Welding mechanism. C. Bruno. 2,419,817; Apr. 29.
Window louvre. W. Faulkner. 2,419,635; Apr. 29.
Window sash. E. Albano. 2,419,524; Apr. 29.
Wine, grape juice, and other fruit juices, Chillproofing and stabilizing. M. J. Cohen. 2,419,628; Apr. 29.
Wire tensioning device for coil winding machines. O. Wirth. 2,419,808; Apr. 29.
Wood product, Coated. A. R. Welch. 2,419,614; Apr. 29.
Yarn, Manufacture of. M. Hain. 2,419,774; Apr. 29.
Zero-setting device for registers. K. C. Bugg. 2,419,762; Apr. 29.

CLASSIFICATION OF PATENTS

ISSUED APRIL 29, 1947

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

2—	8:	2,419,649
		2,419,661
	14:	2,419,917
	69.5:	2,419,827
	224:	2,419,867
	268:	2,419,830
4—	173:	2,419,801
12—	1:	2,419,794
	42:	2,419,644
	146:	2,419,595
15—	20:	2,419,720
	186:	2,419,748
	227:	2,419,896
	248:	2,419,899
18—	19:	2,419,758
19—	66:	2,419,732
	130:	2,419,774
20—	42:	2,419,524
	52.4:	2,419,653
	62:	2,419,635
	89:	2,419,614
		2,419,890
22—	113.5:	2,419,716
	133:	2,419,873
23—	66:	2,419,822
	79:	2,419,931
	153:	2,419,558
	166:	2,419,618
	209.6:	2,419,565
	260:	2,419,528
24—	186:	2,419,662
	263:	2,419,711
28—	71.6:	2,419,605
29—	48:	2,419,742
31—	62:	2,419,844
32—	69:	2,419,733
33—	18:	2,419,610
	65:	2,419,597
	77:	2,419,725
	125:	2,419,818
	158:	2,419,752
34—	17:	2,419,875
	57:	2,419,876
35—	24:	2,419,631
	50:	2,419,658
36—	17:	2,419,785
	22:	2,419,871
	30:	2,419,629
	39:	2,419,670
37—	43:	2,419,779
	142:	2,419,677
38—	77:	2,419,705
40—	31:	2,419,802
	152.1:	2,419,823
41—	33:	2,419,918
43—	28:	2,419,753
	96:	2,419,731
45—	80:	2,419,721
46—	107:	2,419,872
49—	85:	2,419,763
		2,419,764
51—	29:	2,419,728
	55:	2,419,543
	92:	2,419,665
	100:	2,419,529
	131:	2,419,739
	166:	2,419,925
		2,419,926
		2,419,927
51—	184.3:	2,419,660
	194:	2,419,858
	273:	2,419,744
	282:	2,419,687
52—	23:	2,419,851
54—	38:	2,419,897
55—	54:	2,419,633
60—	41:	2,419,689
	52:	2,419,563
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62—	124:	2,419,881
66—	86:	2,419,856
67—	7.1:	2,419,889
69—	7:	2,419,594
		2,419,596
73—	321:	2,419,709
74—	217:	2,419,850
	218:	2,419,797
	219:	2,419,703
75—	128:	2,419,825
81—	41:	2,419,887
82—	24:	2,419,704
	28:	2,419,622
	29:	2,419,639
84—	238:	2,419,734
	385:	2,419,874
85—	46:	2,419,555
87—	29:	2,419,741
88—	1:	2,419,533
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	16:	2,419,706
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	24:	2,419,836
	57:	2,419,803
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89—	1:	2,419,841
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90—	4:	2,419,726
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93—	55.1:	2,419,765
95—	88:	2,419,900
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97—	69:	2,419,719
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103—	2:	2,419,542
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	113:	2,419,676
	148:	2,419,775
105—	369:	2,419,754
106—	64:	2,419,684
107—	52:	2,419,654
108—	1:	2,419,843
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110—	3.5:	2,419,878
	97:	2,419,710
112—	231:	2,419,698
116—	124:	2,419,928
117—	7:	2,419,922
	101:	2,419,756
119—	51.5:	2,419,834
	149:	2,419,788
120—	40:	2,419,746
121—	117:	2,419,600
122—	250:	2,419,582
	411:	2,419,681
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	119:	2,419,747
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128—	2.06:	2,419,682
	297:	2,419,795
130—	5:	2,419,898
132—	14:	2,419,777
136—	133:	2,419,589
143—	32:	2,419,751
144—	261:	2,419,532
150—	35:	2,419,846
153—	21:	2,419,657
		2,419,724
	71:	2,419,678
155—	2:	2,419,838
	164:	2,419,884
158—	91:	2,419,625
161—	1:	2,419,659
	15:	2,419,576
164—	94:	2,419,862
	108:	2,419,534
	112:	2,419,781
167—	38:	2,419,888
170—	135.6:	2,419,787
	162:	2,419,893
171—	95:	2,419,612
		2,419,852
	97:	2,419,574
	119:	2,419,771
	252:	2,419,837
		2,419,839
172—	120:	2,419,863
	126:	2,419,686
	239:	2,419,812
	293:	2,419,637
173—	340:	2,419,652
		2,419,683
174—	84:	2,419,592
	128:	2,419,591
175—	21:	2,419,847
	294:	Re.22,872
		Re.22,873
		2,419,904
	366:	2,419,602
	372:	2,419,892
176—	122:	2,419,902
177—	337:	2,419,550
	351:	2,419,573
	352:	2,419,607
	353:	2,419,799
	386:	2,419,608
178—	2:	2,419,729
		2,419,730
	3:	2,419,581
	17:	2,419,782
	44:	2,419,546
		2,419,548
		2,419,557
		2,419,613
		2,419,855
		2,419,907
179—	1:	2,419,894
	18:	2,419,540
	82:	2,419,833
	114:	2,419,697
	171:	2,419,800
		2,419,882
	171.5:	2,419,615
	175.2:	2,419,580
180—	5:	2,419,522
	54:	2,419,807
		2,419,810
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		2,419,911
		2,419,912
		2,419,929
181—	0.5:	2,419,603
183—	41:	2,419,664
187—	11:	2,419,813
188—	78:	2,419,784
	100:	2,419,651
	226:	Re.22,874
189—	36:	2,419,910
	76:	2,419,648
192—	66:	2,419,712
	85:	2,419,913
	105:	2,419,890
196—	16:	2,419,579
197—	9:	2,419,737
198—	179:	2,419,559
199—	29:	2,419,700
200—	6:	2,419,819
	51.09:	2,419,585
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	83:	2,419,685
	154:	2,419,627
201—	76:	2,419,537
204—	55:	2,419,722
	231:	2,419,832
205—	3:	2,419,870
206—	44:	2,419,745
	46:	2,419,640
	56:	2,419,526
210—	5:	2,419,693
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211—	59:	2,419,624
214—	83:	2,419,824
215—	48:	2,419,743
219—	3:	2,419,864
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		2,419,921
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	13:	2,419,619
	19:	2,419,848
	34:	2,419,643
	46:	2,419,655
220—	56:	2,419,587
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222—	5:	2,419,826
	442:	2,419,891
	500:	2,419,769
223—	76:	2,419,645
	91:	2,419,791
		2,419,879
	92:	2,419,621
	93:	2,419,767
	95:	2,419,638
	96:	2,419,723
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	99:	2,419,861
224—	29:	2,419,680
	45:	2,419,842
226—	126:	2,419,786
229—	5.7:	2,419,616
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230—	108:	2,419,920
	127:	2,419,669
235—	63:	2,419,760
	92:	2,419,583
	144:	2,419,762
236—	34:	2,419,630
	74:	2,419,776
237—	9:	2,419,820
238—	292:	2,419,701
241—	89:	2,419,773
242—	55.2:	2,419,798
	71:	2,419,715
	79:	2,419,699
	156:	2,419,808
244—	12:	2,419,780
	17:	2,419,604
	145:	2,419,829
248—	68:	2,419,675
		2,419,761
	70:	2,419,860
	182:	2,419,768
	226:	2,419,923
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	15:	2,419,571
	17:	2,419,527
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		2,419,757
		2,419,903
	31:	2,419,561
	33:	2,419,538
		2,419,539
250—	33:	2,419,577
		2,419,611
		2,419,673
	36:	2,419,566
		2,419,606
		2,419,772
		2,419,793
		2,419,869
	41.5:	2,419,641
251—	53:	2,419,840
	97:	2,419,647
252—	8.55:	2,419,755
	33:	2,419,584
	36:	2,419,713
	48.2:	2,419,586
	156:	2,419,805
	401:	2,419,735
255—	72:	2,419,738
		2,419,901
257—	2:	2,419,634
	240:	2,419,575
259—	81:	2,419,814
260—	23:	2,419,816
	124:	2,419,783
	209.5:	2,419,883
	247:	2,419,932
	295.5:	2,419,831
	309.5:	2,419,530
	475:	2,419,865
	576:	2,419,718
		2,419,736
	591:	2,419,553
	666:	2,419,668
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	671:	2,419,599
		2,419,632
		2,419,692
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	683.5:	2,419,667
261—	24:	2,419,679
	69:	2,419,523
	90:	2,419,598
273—	105.3:	2,419,549
	129:	2,419,770
280—	41:	2,419,790
	60:	2,419,656
284—	19:	2,419,642
285—	90:	2,419,750
	96.3:	2,419,906
	173:	2,419,916
	177:	2,419,702
286—	5:	2,419,885
	7:	2,419,588
	11:	2,419,623
287—	52.08:	2,419,691
	53:	2,419,849
294—	83:	2,419,650
298—	23:	2,419,636
299—	84:	2,419,845
302—	58:	2,419,740
304—	5:	2,419,778
	10:	2,419,727
306—	12:	2,419,554
309—	12:	2,419,714
312—	91:	2,419,809
	150:	2,419,766
315—	4:	2,419,895
	39:	2,419,536
		2,419,572

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,419,536:	315— 39
2,419,565:	23—209.6
2,419,572:	315— 39
2,419,584:	252— 33
2,419,628:	99— 48
2,419,651:	188—100
2,419,692:	260—671
2,419,703:	74—219
2,419,711:	24—263
2,419,720:	15— 20
2,419,736:	260—576
2,419,786:	226—126
2,419,813:	187— 11
2,419,837:	171—252
2,419,848:	219— 19
2,419,854:	102— 5
2,419,860:	248— 70
2,419,868:	90— 58
2,419,895:	315— 4
2,419,905:	103—100
2,419,914:	88— 14
2,419,922:	117— 7
2,419,925:	51—166
2,419,926:	51—166
2,419,927:	51—166

CLASSIFICATION OF DESIGNS

D 2— 3: Des. 146,725
D 3— 4: Des. 146,711
Des. 146,712
Des. 146,732
D 7— 2: Des. 146,722
5: Des. 146,724
D 7— 7: Des. 146,700
Des. 146,701
Des. 146,702
Des. 146,714
Des. 146,715
D16— 2: Des. 146,730
D17— 1: Des. 146,706
6: Des. 146,719
D34— 5: Des. 146,731
15: Des. 146,720
D38—10: Des. 146,698
D44—10: Des. 146,697
D44—29: Des. 146,728
Des. 146,729
D45— 9: Des. 146,699
D49— 6: Des. 146,705
D54— 2: Des. 146,721
15: Des. 146,707
D54—15: Des. 146,708
Des. 146,709
Des. 146,710
D57— 1: Des. 146,727
D58— 9: Des. 146,713
D61— 1: Des. 146,704
D74— 1: Des. 146,716
Des. 146,718
D81—19: Des. 146,726
D85— 2: Des. 146,703
D86—10: Des. 146,723
D87— 2: Des. 146,717

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE MEGOW ET AL.

No. 5,203. Decided January 7, 1947. Petition for rehearing denied February 27, 1947

[158 F.(2d) 296; 72 USPQ 445]

PATENTABILITY—NON-INVENTIVE DIFFERENCES OVER THE ART.

Where claims to an apparatus for embedding the heads of lead wires in a moldable material differ from the reference in details of the design of the article being molded, *Held* that these differences do not involve invention, since they amount to nothing more than a logical carrying forward of the basic concept disclosed in the reference.

APPEAL from the Patent Office. Affirmed.

Mr. Edwin B. H. Tower, Jr., (*Stone, Boyden & Mack* of counsel) for Megow et al.

Mr. W. W. Cochran (*Messrs. Joseph Schimmel and R. F. Whitehead* of counsel) for the Commissioner of Patents.

BLAND, *J.*:

The Board of Appeals of the United States Patent Office affirmed the decision of the Primary Examiner who, after allowing three claims, rejected claims 17, 18, and 19 of appellants' application for a patent which relates to a machine for manufacturing resistors such as are used in radio circuits. Appellants have here appealed from the decision of the Board.

The Examiner has well described the machine in the following terms:

> The invention relates to an apparatus for embedding the terminal leads in the end of a molded resistor. Applicant employs a heated molding block having a horizontal passage therethrough with which opposed plunger members have intimate sliding contact. Each plunger has a bore therethrough of a size so as to receive the shanks of the terminal leads loosely. These leads have enlarged heads so that when the shanks are thrust to their fullest extent into the plunger bores, the heads extend axially beyond the working faces of the plungers. These heads are undercut so that when the plungers are urged toward each other to compress the material which is to define the body of the resistor, the plungers pack some of the material about the undercut portions of the head so that the latter is firmly locked in place in the finished product. Since the outer end of the shank of each lead extends only a fraction of the length of the bore in its plunger, it is subjected to no compressive strain.

In rejecting the claims the Examiner and the Board relied upon: Shearer, 1,831,144, November 10, 1931.

The Shearer patent shows a molding machine for forming commutator brushes and the like by embedding wire connectors in a moldable substance. The apparatus operates very much on the same principle as that of appellants' device. The Shearer patent is a long and somewhat complicated one, and, as we see the issue, requires no extended description or discussion.

Claims 17 and 18 were rejected upon Shearer and claim 19 is said to have been submitted by amendment as a new claim with the request that it be entered for the purpose of appeal. After entering the amended claim 19, the Examiner applied the Shearer reference as the basis for rejecting all three of the claims here involved. The Board made no mention of claim 19 except to list it as being one involved in the appeal.

The Solicitor for the Patent Office here raises some question as to whether or not appellants have, for certain reasons, abandoned their reason of appeal as to claim 19. However, we prefer to pass upon the three claims with respect to their merits.

Claim 17 is regarded as illustrative and follows:

> 17. In an apparatus for embedding the head of a lead wire having a long slender shank portion and a head which has a major transverse dimension which is more than about twice the diameter of said shank portion in a body of moldable resistance material while the latter is being pressed to shape, which apparatus comprises a recessed die, a plunger die adapted to enter said recessed die and apply pressure to a blank of moldable resistance material contained therein, said plunger having a working end face and a bore extending therefrom for accommodating the wire shank portion of said lead without imposing endwise compression stress thereon, said bore having a diameter slightly greater than the diameter of said shank, said working end face having a minimum transverse dimension larger than the maximum transverse dimension of said head and several times the diameter of said bore to provide a head engaging work face portion marginal to said bore for acting against the rear of said head to force said head into said moldable resistance material and to also provide a direct acting work face portion surrounding said head engaging work face portion for directly engaging said moldable resistance material and applying pressure thereto to cause the same to flow under pressure against the side portions of said head to form a collar of molded resistance material surrounding said head.

Claim 18 differs from claim 17 only in specifying the embedding of the heads of a lead wire in the blank at each end thereof instead of at one end only, while claim 19 contains a limitation which the Solicitor urges makes the claim unpatentable in view of the fact that appellants have allegedly improperly claimed the combination of the apparatus and the material worked upon. As to this ground of rejection, which the Board does not specifically mention, we think it unnecessary to discuss the same since we are of the opinion that all the

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claims were properly rejected upon the patent to Shearer.

The Examiner discussed the issue somewhat at length as follows:

> Claims 17 to 19 are rejected as unpatentable over Shearer who shows a recessed die 12 and a plunger die 10 adapted to enter the recessed die to apply pressure to moldable resistance material therein. The plunger die has a flat working end face and is provided with bores for receiving a pair of leads. While the various dimensions of Shearer's plunger die 10 differ from those called for in these claims, these are thought to be unpatentable differences because they are dictated by the design of the particular article being molded. "Without imposing endwise compressive stress thereon," occurring in these claims, is a negative limitation which adds nothing to the apparatus elements set forth in these claims. Moreover, it is a method limitation which cannot be depended upon to confer patentability upon applicants' apparatus.
>
> While claims 18 and 19 call for a plunger die or ram movable through each end of the recessed die, each ram having a bore to accommodate the shank of a terminal lead, and Shearer shows two rams, only one of which accommodates the shanks of terminal leads, no invention is seen in providing Shearer's plunger die 13 with one or more bores to accommodate terminal lead shanks if the design of the article being molded should so require. This would amount to a logical carrying forward of Shearer's basic concept.
>
> The particular relation between the size of the head and shank of the terminal lead is a matter which is material to the article being made rather than to the apparatus in which it is made. Hence such limitations as the fact that the major transverse dimension of the head "is more than about twice the diameter of said shank portion" (claims 17 and 18) and that the head is "arranged to protrude in front of the working surface of said ram," are deemed to differ from Shearer in matters of design only, depending entirely on the particular article being made.

The Board affirmed the decision of the Examiner in a general way and approved of his rejection upon the patent to Shearer, stating:

> Shearer states that his brush may be made to have one terminal wire instead of two. If two terminals, one on each end, were desired, it seems to us two plungers such as 10 could be used, entering the die from opposite ends and each carrying a single terminal without creating a new invention. Further, no reason is seen why the Shearer apparatus could not embed in the resistance material enlarged ends of terminals as well as terminal ends that are not enlarged.

Since we agree with all that was said by the Examiner and the Board we deem it unnecessary to discuss their views in extenso. It is clear to us that invention cannot rest in providing the Shearer plunger die with one or more bores to accommodate terminal lead shanks if the design of the article being molded should require doing so, because it amounts to nothing more than "a logical carrying forward of Shearer's basic concept." This same conception is shown in appellants' modified form which places the embedded leads in the moldable resistance material on one side rather than at the end. No invention is seen in this expedient.

Appellants stress the fact that the wires embedded in the resistance material have heads larger than the body of the wire, which it is stated permits the wires to be more firmly molded into the plastic material. Surely it is not inventive to embed in molded material a metallic member which is deformed or which is larger on the inside of the material than on the outside. This would seem to be the obviously proper thing to do so as to secure stability.

We think the three claims involved in the appeal were properly rejected on the Shearer patent, and the decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE STORSAND

No. 5,207. Decided December 9, 1946. Petition for rehearing denied February 27, 1947

[— F.(2d) —; 72 USPQ 438]

1. *APPEAL*—CLAIMS CONSIDERED.

Held that the Board of Appeals correctly refused to consider substitute claims presented with a request for reconsideration.

2. CLAIMS—FUNCTIONAL STATEMENTS.

"The statements in the claims as to the manner in which the apparatus of appellant operates cannot be properly relied upon to patentably distinguish his structure from that of the Allan patent. They are functional and cannot be regarded as structural limitations or elements."

3. PATENTABILITY—BIPOLAR ELECTROLYZER.

Claims to a bipolar electrolyzer *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. William L. Edmonston for Storsand.

Mr. W. W. Cochran for the Commissioner of Patents.

JACKSON, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming that of the Primary Examiner rejecting as unpatentable over the patent to Allan, 1,702,924, February 19, 1929, all of the claims 10 to 18, inclusive, of an application for a patent for Bipolar electrolyzers.

We were not favored with oral argument on behalf of appellant. His appeal was submitted on brief.

Claim 10 is illustrative of the subject matter in issue and reads as follows:

> 10. A bipolar electrolyzer having the combination of a group comprising individual cells, a first container for electrolyte for therein separating the gas from the anolyte spaces of said cells, a second container for electrolyte for therein separating the gas from the catholyte spaces of said cells, a vessel for electrolyte having openings leading to the outside air for atmospheric pressure, a conduit for each of said cells leading from the anolyte space thereof directly and independently into said first container for directly and independently discharging gas and anolyte thereinto, a conduit for each of said cells leading from the catholyte space thereof directly and independently into said second container for directly and independently discharging gas and catholyte thereinto, an electrolyte conduit for each of said containers leading therefrom into said vessel, a conduit for returning the electrolyte to each of said cells leading therefrom into said vessel said electrolyte performing a hydraulic circuit, through said conduits, out of said cells, into said containers, into said vessel, and back into said cells, and the electrolyte level of said vessel coacting with the said conduits to balance the electrolyte levels of said containers for equalizing the gas pressures in the anode and cathode spaces of each of said cells during the operation of the electrolyzer.

Claim 11 differs from claim 10 only in that it characterizes the vessel thereof as "serving additionally as an electrolyte reservoir for its said cells."

Claim 12 differs from claim 10 by stating that the outlets of the pipes within the separating containers are below the levels of the electrolyte therein.

Claim 13 adds to claim 10 that the said outlets extend close to the bottoms of the said containers.

Claim 14 differs from claim 10 only by stating that refrigerating means in the containers are located both below and above the electrolyte level.

Claim 15 adds to claim 10 the limitation of a pump by means of which electrolyte is circulated from the vessel to each of the cells.

Claim 16 contains a limitation that the containers are elongated and horizontally disposed; that the conduits from the bottoms of the containers lead close to the bottom of the vessel and that the pipe leading from the vessel for recirculation of the electrolyte has a branch leading into each of the cells.

Claim 17 is somewhat broader than claim 10. Claim 18 adds to claim 17 the limitation that the vessel serves additionally "as an electrolyte reservoir for said cells, and pumping means for conveying the electrolyte from said vessel to said cells."

The application relates to a bipolar electrolyzer by the operation of which hydrogen and oxygen gases are generated by electrolysis.

The apparatus of the alleged invention comprises an electrolysis tank in which are groups of cells for producing hydrogen and oxygen by electrolytic decomposition of water; two containers in each of which is a refrigerating means and in one of which oxygen is separated from the fluid and in the other hydrogen is likewise separated, and a vessel for the liquid exposed to atmospheric pressure. The liquid from which oxygen and hydrogen are generated by electrolysis is called electrolyte. From each of the cells separate oxygen and hydrogen outlet pipes extend into each of the two respective separating containers. Those pipes extend to and end at a point below the liquid level in the containers from the bottom of which other pipes return the gas-free fluid to the said vessel from which extends a pipe for returning the liquid to the individual cells. The fluid is circulated by means of a pump. The fluid level of the vessel is said to coact with the conduits through which the electrolyte passes to balance the levels of the electrolyte in the two separating containers.

The patent to Allan relates to a bipolar electrolyzer and comprises an electrolysis tank, two containers for the separation of oxygen and hydrogen respectively and two tanks through which the circulating electrolyte returns to the cells. The electrolysis tank comprises a group of cells in which the two gases are generated. From each cell there are separate oxygen and hydrogen outlet pipes through which each gas, laden with some electrolyte, passes into its respective separating container. From each of the separating containers there are return pipes which extend into said tanks which are open to the atmosphere and from the bottom of which gas-free electrolyte descends into the cells. The cycling process may be repeated as often as desired. Refrigerating means (water jackets) for cooling the gases and electrolyte are provided on the separating containers.

The Primary Examiner pointed out that the structure of the patent discloses a bipolar electrolyzer comprising individual cells; two containers in one of which hydrogen is separated from the catholyte spaces of the cells and the other in which oxygen is separated from the anolyte spaces; a conduit for each of the cells leading from both the anolyte and catholyte spaces directly and independently into manifolds which lead directly into the container in which the hydrogen is separated; electrolyte conduits from each of said containers to the two said open tanks and a conduit for returning the electrolyte therefrom to the cells thus forming a hydraulic circuit from the cells into the separating containers and back again through the tanks into the cells.

The Examiner stated:

> It is apparent that if in applicant's device the electrolyte level of said vessel coacts with the said conduits to balance the electrolyte levels of said containers, for equalizing the gas pressures in the anode and cathode spaces of each of said cells during the operation of the electrolyzer (a functional amendment to the claim, since it is merely an expression of purpose), then the apparatus of Allan functions in the same manner, since the construction of Allan's apparatus is similar to the construction of applicant's apparatus.

Accordingly, he rejected the claim 10 as unpatentable over the Allan patent.

With respect to claim 11, the Examiner held that the limitation of the "vessel thereof serving additionally as an electrolyte reservoir for those said cells." did not lend patentability to that claim for the reason that the atmospherically exposed tanks of the patent structure could obviously serve as an electrolyte reservoir.

In rejecting claims 12 and 13 the Examiner held that there would be no invention in extending the outlets of the conduits below the liquid levels in and extending close to the bottoms of the separating containers in the patent structure because in his opinion such extension would be merely a mechanical expedient or matter of choice.

The Examiner rejected claim 14 pointing out that refrigerating means were disclosed in the patent structure as water jackets on the separating tanks,

Claim 15 was rejected by the Examiner for the reason that it would not require exercise of the inventive faculty to substitute pump means for gravity in the circulatory system of the patent structure.

In his rejection of claim 16 the Examiner pointed out that the separating containers of the patent structure are elongated and also horizontally disposed in relation to the remainder of the apparatus.

The Examiner rejected claim 17 for the same reasons he applied to the rejection of claim 10 stating that claim 17 differed from claim 10 only in calling broadly for means rather than conduits for conducting the electrolyte.

He rejected claim 18 for the stated reason that the tanks in the patent structure through which the electrolyte is returned from the separating containers might obviously serve as an electrolyte reservoir and he found no invention in supplying a pump means instead of gravity for flowing the liquid.

The Board of Appeals in its decision affirming that of the Examiner, among other things, stated as follows:

> Applicant's brief contains a lengthy specification of alleged differences between applicant's structure and that of the reference. It is noted, however, that these differences are not recited in the claims, at least not in the recitation of structure in the claims. There is, it is true, at the end of each of the principal claims 10, 16, 17, and 18 a lengthy recital of how applicant's device operates, but this does not follow from or depend upon any structure positively recited and cannot be relied upon to distinguish from Allan.

[1] Appellant in his request for reconsideration, alleged that the foregoing quotation from the Board's decision was an opinion that there was invention in the case but that the claims were not properly constructed and sought to substitute other claims therefor and cancel the present claims. The Board denied the request in the following language:

> It [applicant's request for reconsideration] does not allege error in our decision and its substance merely proposes to cancel the appealed claims and substitute a new set of claims, alleging that we made a recommendation in our decision. We made no recommendation, and it is not our practice to consider new claims (*Ex parte Moore*, 1923 C. D. 13) which amount to a continuation of the prosecution.
>
> The petition has been considered but it is denied in respect to making any change in our decision.

Appellant again petitioned the Board to remand the case to the Primary Examiner for consideration of the substituted claims. The Board denied the petition in the following language:

> The petition to remand, filed March 21, 1945, is treated as a second petition for reconsideration.
>
> Applicant still argues that our decision of February 16, 1945, provides some sort of basis for the continued prosecution of the case by changing the claims present at the time of appeal. *Ex parte Norlund*, 1913 C. D. 161, decided that the mere mention in a decision on appeal that the claims lacked some feature stressed in the applicant's argument, did not confer a right to amend the claims to include such feature.
>
> As previously stated, *Ex parte Moore*, 1923 C. D. 13, is authority for a refusal by the Board to consider new claims.
>
> We are without authority to remand the case to the Examiner for what amounts to a reopening of the prosecution before the Examiner, since this latter matter is entirely within the jurisdiction of the Commissioner.
>
> The renewed petition is denied.

Thereafter appellant filed a petition to the Commissioner requesting that the application be remanded to the Examiner for action on the substituted claims. The petition was "disapproved."

We cannot agree with the contention of the appellant that the decision of the Board expressed an opinion that invention resided in the case and think it is clear that no error was committed by the tribunals of the Patent Office in refusing to consider the claims sought to be substituted.

Appellant in his brief concedes that the structure of the patent and that of the application both disclose the same basic equipment by means of which the electrolyte cycle is accomplished in the production of hydrogen and oxygen. His contention is that the rejected claims define patentable structural improvements over the prior art and that, therefore, the reference is inapplicable.

[2] The statements in the claims as to the manner in which the apparatus of appellant operates cannot be properly relied upon to patentably distinguish his structure from that of the Allan patent. They are functional and cannot be regarded as structural limitations or elements. *In re Carr*, 28 C. C. P. A. (Patents) 1240, 120 F.(2d) 386, 49 USPQ 657, 530 O. G. 747; *In re Lamb*, 32 C. C. P. A. (Patents) 799, 146 F.(2d) 277, 64 USPQ 241; 571 O. G. 177; *Gynex Corporation et al.* v. *Dilex Institute of Feminine Hygiene, Inc., et al.*, 85 F.(2d) 103; *General Electric Co.* v. *Wabash Appliance Corp. et al.*, 304 U. S. 364, 491 O. G. 463.

A careful comparison of the structure defined by the claims of the application with that of the patent convinces us that the tribunals of the Patent Office have committed no error.

We can see no patentable distinction between pipes leading from the cells directly and independently into the containers as called for in the claims and pipes from the cells connected to a header through which the gases from the cells are finally led by single pipes into the respective separating containers as shown in the patent apparatus.

Appellant contends that the tanks exposed to atmospheric pressure of the patent structure through which electrolyte passes on its return for recirculation are not part of the circulatory system but merely a by-pass or shunt through which gas leaves the fluid so that the returning electrolyte is gas-free. It is clear to us that the tanks are in the circulatory system and could well be used as a reservoir containing electrolyte even as does the vessel defined in the claims.

As to the balancing of the electrolyte level in the separating containers, we cannot say, because of the similar basic construction of the apparatus of the patent and that defined in the claims, that if the latter is adapted to accomplish said balancing, it would not likewise be accomplished in the device of the patent.

[3] While the structure of the claims differs in some respects from those disclosed in the prior art, we are of the opinion that such difference is not sufficient to render the claims patentable. They are merely modifications obvious to those skilled in the art.

The decision appealed from is affirmed.

Affirmed.

PATENT SUITS

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,673,727. (See Re. 19,023.)

1,800,803. (See Re. 20,818.)

1,887,926, S. Fox, Combination garment, D. C., S. D. N. Y., Doc. 39/197, *S. Fox* v. *Lerner Stores Corp.* Consent order of discontinuance Mar. 18, 1947.

1,939,836, E. R. Tolfree, Apparatus for flushing water cooling systems, D. C. Mass., Doc. 3482, *X Laboratories, Inc.*, v. *Universal Chemists.* Stipulation of dismissal Sept. 16, 1946.

1,984,780, B. E. Baker, Wax paper package, D. C. Mass., Doc. 4593, *B. E. Baker* v. *First National Stores, Inc.* Dismissed Oct. 8, 1946.

1,986,612, R. U. Thornton, Beam head; 2,148,394, same, Section or warper beam; 2,203,584, same, Warper beam, D. C. Mass., Doc. 6082, *Allen Co.* v. *W. McCaskie Co.* Complaint dismissed Dec. 31, 1946.

2,058,177, W. L. Bower, Work holder, D. C. Mass., Doc. 2419, *Brown & Sharpe Mfg. Co. et al.* v. *The Kar Engineering Co., Inc.* Decree after mandate, adjudging patent valid and infringed; injunction Feb. 11, 1947.

2,074,202, E. K. Benedek, Bearing; 2,101,829, same, Hydraulic motor; 2,111,657, same, Hydraulic pump or motor; 2,166,717, same, Pump or motor, filed Mar. 17, 1947, D. C. Minn. (Minneapolis), Doc. 2424, *E. K. Benedek* v. *Northern Pump Mfg. Corp.*

2,101,829. (See 2,074,202.) 2,111,657. (See 2,074,202.)

2,127,943, R. H. Stone, Method of making corrugated flexible tube, filed Jan. 11, 1947, D. C. N. J. (Newark), Doc. 9833, *Titeflex, Inc.*, v. *Co-operative Industries, Inc., et al.*

2,148,394. (See 1,986,612.)

2,159,832. (See Re. 20,818.)

2,159,833. (See Re. 20,818.)

2,161,657, G. B. Hansburg, Combined chair and table for infants, filed Feb. 14, 1947, D. C., N. D. Ohio, E. Div., Doc. 24723, *Metropolis Bending Co. et al.* v. *The William Taylor Son & Co.*

2,166,717. (See 2,074,202.)

2,169,952, E. D. Holmes, Proportional mixing scale, D. C. Ga. (Atlanta), Doc. 2432, *The Sherwin-Williams Co.* v. *Zac-Lac Paint & Lacquer Co.* Claim 1 held valid and infringed; injunction Mar. 19, 1947.

2,173,048, Von Madaler & Woolf, Portable sound recording and sound reproducing machine; 2,173,051, same, Recording head and process of recording; 2,173,050, W. L. Woolf, Sound recording; 2,328,597, same, Controlling device for sound record film; 2,191,691, same, Indexing and finding means for sound recording and reproducing machine; 2,330,855, same, Method of splicing organic plastic film; 2,221,661, same, Speed control for sound record medium; 2,259,715, same, Sound record; 2,265,960, same, Construction of sound record film; 2,319,282, same, Sprocket for feeding film; 2,248,293, Woolf & Steed, Sound record film; 2,292,856, same, Precision positioning means for sound heads; 2,255,232, A. D. Stern, Support for a sound record film; 2,259,631, H. Flood, Jr., Sound recording device; 2,294,854, E. L. Steed, Jr., Control means for sound recording and reproducing machine, D. C. N. J. (Newark), Doc. 9370, *F. Hart & Co., Inc.*, v. *Recordgraph Corp.* Dismissed Dec. 21, 1947.

2,173,050. (See 2,173,048.) 2,173,051. (See 2,173,048.)

2,187,375, P. Florin, Wallet, D. C., S. D. N. Y., Doc. 36/10, *P. Florin* v. *Aristocrat Leather Products Co.* Consent order of discontinuance (notice Mar. 18, 1947).

2,191,691. (See 2,173,048.) 2,203,584. (See 1,986,612.)

2,221,661. (See 2,173,048.)

2,241,261, G. B. Horn, Transformer, filed Feb. 25, 1947, D. C., N. D. Ill., E. Div., Doc. 47c377, *Wheeler Insulated Wire Co., Inc., et al.* v. *General Transformer Corp.*

2,248,293. (See 2,173,048.) 2,255,232. (See 2,173,048.)

2,259,631. (See 2,173,048.) 2,259,715. (See 2,173,048.)

2,264,322. (See 2,309,763.) 2,265,960. (See 2,173,048.)

2,266,377, G. L. Neely, et al., Pretreated bearing surface and method of producing same; 2,266,379, R. K. Floyd, Extreme pressure lubrication, filed Mar. 10, 1947, D. C., E. D. Mich., S. Div., Doc. 6501, *California Research Corp.* v. *Tecumseh Products Co.*

2,266,379. (See 2,266,377.)

2,292,416, N. E. Walker, Controlled captive type toy airplane, filed Mar. 13, 1947, D. C., N. D. Ill., E. Div., Doc. 47c458, *American Junior Aircraft Co.* v. *Model Industries.*

2,292,856. (See 2,173,048.) 2,294,854. (See 2,173,048.)

2,295,679, F. X. Montbach, Dispensing device, filed Mar. 3, 1947, D. C. Del., Doc. 1011, *Industrial Tape Corp.* v. *Minnesota Mining & Mfg. Co.*

2,301,280, E. E. Howe, Sealing means; 2,381,748, same, Method of forming a joint, filed Mar. 17, 1947, D. C., N. D. Ill., E. Div., Doc. 47c482, *Chicago Forging & Mfg. Co.* v. *Gustin-Bacon Mfg. Co.*

2,305,890, J. H. Moore, Composite pictures, filed Mar. 4, 1947, D. C., S. D. N. Y., Doc. 40/498, *John Hudson Moore, Inc.*, v. *Parfum L'Orle, Inc.*

2,309,763, C. B. Goodstein, Fastener-applying device; 2,264,322, A. H. Maynard, Fastener-applying implement, D. C. Mass., Doc. 5959, *Boston Wire Stitcher Co.* v. *S. Marcus et al.* Consent judgment for injunction Dec. 20, 1946.

2,319,282. (See 2,173,048.) 2,328,597. (See 2,173,048.)

2,330,855. (See 2,173,048.) 2,381,748. (See 2,301,280.)

Re. 19,023 (of 1,673,727), L. V. Aronson, Cigar lighter, D. C. Mass., Doc. 5798, *Ronson Patents Corp.* v. *I. Albert's Sons.* Judgment by consent holding patent valid and infringed Dec. 12, 1946.

Re. 20,818, P. H. Smyth, Jr., Selective phonographic playing machine; 2,159,832, same, Phonograph; 2,159,833, same, Phonograph; 1,800,803, W. R. Moore, Jr., Automatic talking machine, amended complaint Mar. 7, 1947, D. C., N. D. Ill., E. Div., Doc. 46c1503, *Rock-Ola Mfg. Corp.* v. *Batavia Metal Products Co. et al.*

Re. 21,053, A. T. Matthews, Awning, D. C., S. D. Tex. (Houston), Doc. 1756, *A. T. Matthews et al.* v. *Ventilated Redwood Awning Co.* Patent held infringed; injunction Mar. 10, 1947.

T. M. 124,550, The Krohn-Fechheimer Co., Ladies' leather shoes, D. C., N. D. Ill., E. Div., Doc. 46c2046, *The U. S. Shoe Corp.* v. *C. W. Marks Shoe Co.* By stipulation complaint dismissed as to Margolin Shoe Co. Consent judgment; injunction Mar. 12, 1947.

Des. 139,366, W. J. Ayers, Coin bank, D. C., N. D. Ill., E. Div., Doc. 46c1066, *W. J. Ayers* v. *F. Ortendahl et al.* Judgment by default enjoining defendants Mar. 6, 1947.

Des. 140,682, M. Stuart, Toy, D. C., S. D. N. Y., Doc. 40/318, *Mistletoe Plastics Co.* v. *Plastic Playthings, Inc.* Stipulation of discontinuance Mar. 12, 1947.

T. M. 145,335, Chicago Flexible Shaft Co., Electric flatirons; T. M. 260,758, same, Electric toaster and table stoves; T. M. 263,398, same, Portable electric radiant heaters; T. M. 267,557, same, Electric percolators and for electric lighters for pipes, cigars, etc.; T. M. 280,756, same, Electric food mixers, electric waffle irons, and electric clocks; T. M. 318,056, same, Electrically operated devices consisting of room and space heaters, desk fans, scissors, etc., D. C. N. J. (Newark), Doc. 6523, *Sunbeam Corp.* v. *Sun Flame Appliances, Ltd.* Consent judgment Feb. 25, 1947.

T. M. 260,758. (See T. M. 145,335.)

T. M. 263,398. (See T. M. 145,335.)

T. M. 267,557. (See T. M. 145,335.)

T. M. 280,756. (See T. M. 145,335.)

T. M. 318,056. (See T. M. 145,335.)

NOTICES

Disclaimers

Re. 22,331.—*Simon Myerson*, Brookline, Mass. Artificial Tooth. Patent dated June 8, 1943. Disclaimer filed Mar. 28, 1947, by the inventor.

Hereby enters this disclaimer to claims 1, 2, 3, 5, 6, 9, and 10 of said patent.

2,202,713.—*Simon Myerson*, Brookline, Mass. Artificial Tooth. Patent dated May 28, 1940. Disclaimer filed Mar. 28, 1947, by the inventor.

Hereby enters this disclaimer to claims 8 and 9 of said patent.

2,239,902.—*Edward Sigford Peterson*, Elmwood Park, Ill. Telephone System. Patent dated Apr. 29, 1941. Disclaimer filed Mar. 27, 1947, by the assignee, *Automatic Electric Laboratories, Inc.;* the inventor, consenting.

Hereby enters this disclaimer to claims 1, 11, and 19 of said patent.

2,265,637.—*Malcolm Ferris*, Boonton, N. J. High Frequency Measuring Apparatus and Method. Patent dated Dec. 9, 1941. Disclaimer filed Mar. 27, 1947, by the assignee, *Ferris Instrument Corporation.*

Hereby enters this disclaimer to claim 3 in said specification.

2,295,443.—*John C. Wilson*, Bayside, N. Y. Television Signal-Translating System. Patent dated Sept. 8, 1942. Disclaimer filed Mar. 27, 1947, by *Charles E. Dean*, administrator of *John C. Wilson*, deceased.

Hereby enters this disclaimer to claims 1, 2, 3, 5, 6, 7, 8, and 9 of said patent.

Adjudicated Patents

(C. C. A. N. Y.) Lewis and Menihan patent, No. 2,118,888, for a master copy sheet, claims 10 and 11 *Held* invalid. *Old Town Ribbon & Carbon Co.* v. *Columbia Ribbon & Carbon Mfg. Co.*, 159 F.(2d) 379; 72 USPQ 57.

(D. C. Pa.) Urquhart and Urquhart patent, No. 2,106,043, for method and apparatus for foam generating and distributing, *Held* invalid and not infringed. *Pyrene Mfg. Co.* v. *Urquhart*, 69 F. Supp. 555; 71 USPQ 55.

(D. C. Pa.) Urquhart and Urquhart patent, No. 2,198,585, for method for generating and distributing fire extinguishing foam, *Held* invalid and not infringed. *Id.*

(C. C. A. N. J.) Cusano patent, No. 2,312,882, for a game board *Held* valid. *Cusano* v. *Kotler*, 159 F.(2d) 159; 72 USPQ 62.

Examination

In accordance with the provisions of rule 17 of the Rules of Practice, an examination for the registration of attorneys and agents to practice before the United States Patent Office will be held on Monday, July 14, 1947.

This examination will be given under the direction of the Civil Service Commission, and may be taken in any of the cities of the country in which the Civil Service Commission regularly conducts examinations. Applications to take the examination must be directed to the Commissioner of Patents and filed in the Patent Office not later than June 16, 1947.

Application blanks may be obtained from the Clerk of the Committee on Enrollment and Disbarment, Room 3717, Commerce Building.

LESLIE FRAZER,
Chairman, Committee on Enrollment and Disbarment.

Interference Notice

U. S. Patent Office, *Washington, D. C., Mar. 25, 1947.*

The American Motor Products Corporation, its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Ampco Metal, Inc., 1745 S. Thirty-eighth St., Milwaukee 4, Wis., for registration of a trade-mark and trade-mark registered September 12, 1933, No. 306,139, to The American Motor Products Corporation, 451 Greenwich St., New York, N. Y., and the notice of such declaration sent by registered mail to said The American Motor Products Corporation at the said address of record having been returned by the post office as undeliverable, notice is hereby given that unless The American Motor Products Corporation, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in the case of default. This notice will be published in the Official Gazette for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,407,430. Truck Unloading Apparatus. Patented Sept. 10, 1946. A flexible mat is placed inside and covers the bottom of the truck body with its rear end bolted to the bottom and its forward end extended upwardly so that a cross bar secured to this end will rest on a pair of curved brackets on the back of the cab. A pair of side chains connects this bar with another cross bar which rests on another pair of curved brackets on the tail gate. A spiked anchor is suspended by a yoke from the rear cross bar. When load is to be dumped the rear cross bar and anchor are lifted from the brackets and the anchor is fixed in the gound. Truck is then driven forward, carrying the rear of the mat with it and the front cross bar slides from the brackets, thus unloading truck. (Owner) Walter S. MacRae, 27 Linwood Place, Reno, Nev. Groups 35—63; 38—11. Reg. No. 5,466.

Des. 144, 238. Design for a Pencil. Patented Mar. 26, 1946. (Owner) Leland R. Christensen, Route 2, Box 34, Craig, Nebr. Groups 39—51—52; 40. Reg. No. 5,467.

Pat. 2,412,531. Pipe Cleaner. Patented Dec. 10, 1946. A device to be attached to the faucet for cleaning the bowls and stems of pipes or the like. It can be made of rubber or other resilient material. The body portion has a conical recess to which a tapered bore connects. A groove around recess fits faucet. Pipe bowl rests against

flange of body. Warm water is passed through bowl and stem to thoroughly clean the pipe. (Owner) Bruno L. Pape, 366 Guenther Ave., New Braunfels, Tex. Groups 30—32; 40. Reg. No. 5,468.

Pat. 2,367,992. Cosmetic Case. Patented Jan. 23, 1945. This invention relates to a novel cover for a lipstick or lip rouge case. A window in cover displays outline of lips and color of cosmetic in case. Should assist and promote sales as the purchaser can visualize the effect of its application to the lips. (Owner) R. Berls, 390 West End Ave., New York 24, N. Y. Groups 28—32; 39—72. Reg. No. 5,469.

Pat. 2,411,187. Highway Reflector Sign. Patented Nov. 19, 1946. Comprised of two superimposed plies the one being a continuous base and the other a face. The face ply is provided with cut outs in which reflecting glass units are cemented. (Owner) Howard Boogher. Address correspondence to John H. Cassidy, 1863 Railway Exchange Bldg., St. Louis 1, Mo. Group 32—29. Reg. No. 5,470.

Pat. 2,410,984. Safety Device. Patented Nov. 12, 1946. Adjustable safety valve for steam lines normally remains open to permit the passage of steam, but will automatically close when water surges into the line. An indicator on the valve shows the amount of steam passing therethrough. A perforated sleeve slidably mounted inside the valve is closed at one end by a disc which is spaced from a valve seat. A rack on the sleeve meshes with a pinion on the end of a bell-crank lever. The other end of the lever is connected to a spring on the arm of a steam pressure indicator. A weight may be slidably mounted on the lever and moved to various positions of adjustment to vary the force required to close the valve. Water may be drained from the valve through an opening in a trap on the underside of the valve. (Owner) Timothy E. Lawless, Marcellus Falls, N. Y. Group 33—66. Reg. No. 5,471.

Pat. 2,395,598. Radius and Angle Dresser. Patented Feb. 26, 1946. A tool for dressing a grinding wheel either at front of wheel or below wheel. Includes a V-block having V-grooves in two different faces thereof. A rotary table has a bushing for clamping in one of V-grooves and a radius dresser adjustably positioned on rotary table. When so positioned the tool's diamond point is arranged for cutting the peripheral surface of a grinding wheel for dressing the radius or angle of wheel. (Owner) George N. Weaver, 870 Seward, Detroit 2, Mich. Group 35—41. Reg. No. 5,472.

Pat. 2,411,288. Froth Flotation with Simultaneous Filtration and Collection of Froth. Patented Nov. 19, 1946. A method and apparatus for separating concentrates from ores. The concentrates are recovered directly from the undiluted froth from the upper surface of the flotation cell and discharged into a bin. The pulp treated with flotation reagents in the usual manner is supplied to the flotation cell through pipe at side of tank. The froth is continuously produced at top of cell by motor driven agitators. The tailings are withdrawn through pipe on other side of tank. (Owner) Albert R. Morse. Address correspondence to Bosworth and Sessions, 1337 Guardian Bldg., Cleveland 14, Ohio. Group 35—33. Reg. No. 5,473.

Pat. 2,412,834. Hamper or Bag Support. Patented Dec. 17, 1946. This invention relates to a frame for supporting a canvas clothes bag or the like. The rectangular frame with supporting arms is placed in top of bag and stretches bag so that mouth is held open. Easily removed when bag is full. (Owner) V. Kemp Roberts, 112 South Benton, Helena, Mont. Groups 33—73; 39—81. Reg. No. 5,474.

Pat. 2,332,948. Safety Device for Pedestrians. Patented Oct. 26, 1943. A safety device for use by pedestrians in poorly lighted or unlighted locations. Comprises a necklace of any knitted or woven fabric tape to which luminous and reflecting buttons are attached at both front and rear. Light in weight and inexpensive to manufacture. May be carried in purse or pocket when not in use. (Owner) Elsa Stubbe, R. F. D. #3, Hammonton, N. J. Groups 34—82; 40. Reg. No. 5,475.

Pat. 2,411,490. Toy Blower. Patented Nov. 19, 1946. A toy which represents threshing grain, filling a silo, etc. Comprises a cylindrical blower casing with a motor-driven fan. Has an inlet for grass, paper, and the like and a discharge pipe through which the material is blown out to simulate the discharge from a silo, etc. One side wall is held in place by two spring arms and is easily removed by outward pressure thereon. A barrier around opening protects child's fingers. If a stick or the like is forced against side wall it will be forced off thus minimizing danger of injury to toy. (Owner) Ward Williams, Box 242, Brandon, Wis. Group 39—41. Reg. No. 5,476.

Pat. 2,414,758. Crutch Tip and Cushioning Means Therefor. Patented Jan. 21, 1947. A sleeve to be placed on the lower end of a crutch is telescopically mounted for sliding movement inside an elongated cylinder which has its bottom end closed. The sleeve projects beyond the end of the crutch with its lower end internally threaded to receive a plug which is welded to the top of a coiled spring, the lower end of the spring being welded to the bottom of the cylinder. The cylinder with the spring and plug attached is telescoped over the sleeve, the plug threaded into the sleeve by rotating the cylinder. The usual rubber tip is placed on the lower end of the cylinder. (Owner) John W. Moss, 14 River Road, Hampton, Va. Group 39—16. Reg. No. 5,477.

Pat. 2,392,544. Toilet Seat. Patented Jan. 8, 1946. Infant's auxiliary toilet seat may be made of wood, plastic or other material. Body portion is flat and fits snugly against under side of regular seat. Two metal clips at rear and one larger adjustable spring clip at front overlap inner edges of regular seat. A foldable removable guard rail surrounds infant's seat. (Owner) William Nyberg, 2124 Piedmont Ave., Duluth, Minn. Groups 25—99; 39—81. Reg. No. 5,478.

Des. 145,801. Design for a Building. Patented Oct. 22, 1946. (Owner) Harold P. Hummel, 114 North Maple St., Mount Carmel, Pa. Groups 24—31; 34—95. Reg. No. 5,479.

Pat. 2,407,471. Rotary Tool Adapter. Patented Sept. 10, 1946. Adapter for use with milling machines for holding rotary drilling, reaming, or other tools, includes a hydraulic ejector so that the tool may be removed from the adapter without removing adapter from machine by simply striking a plunger with a hammer blow. The adapter comprises a truncated conical-shaped body having a tapered bore and a drift hole extending inwardly from the larger end into which a tool having the usual tang is inserted. The body is formed with an oil chamber opening through its smaller end and aligned with the drift hole. A threaded plug closes the outer end of the chamber and effects driving connection with the machine. An ejector pin is adapted to contact the tang of the tool. (Co-owner) W. Brockmeier, R. F. D. #1, Box 60, Brazil, Ind. Group 35—43. Reg. No. 5,480.

Pat. 2,408,201. Clothes Hanger. Patented Sept. 24, 1946. A detachable snap-on attachment for conventional garment hangers. Keeps coat properly positioned on hanger with lapels rolled and prevents crushing and wrinkling. A loop fastens around bottom of hanger hook and braces fit over shoulder portion of hanger. An arm depending from each brace has struts secured thereto which fit under lapels of coat. May be made of metal or plastic. Inexpensive to manufacture. Inventor has cost figures. (Owner) Charles M. Derderian, 1600 Floyd Ave., Richmond, Va. Groups 33—49; 39—81; 40. Reg. No. 5,481.

Pat. 2,202,712. Artificial Tooth. Patented May 28, 1940. Group 39—17. Reg. No. 5,482.

Pat. 2,202,713. Artificial Tooth. Patented May 28, 1940. Group 39—17. Reg. No. 5,483.

Pat. 2,230,164. Method of Making Artificial Teeth. Patented Jan. 28, 1941. Group 39—17. Reg. No. 5,484.

Pat. 2,265,391. Artificial Tooth. Patented Dec. 9, 1941. Group 39—17. Reg. No. 5,485.

Re. 22,331. Artificial Tooth. Reissued June 8, 1943. Original Patent No. 2,300,305; patented Oct. 27, 1942. Group 39—17. Reg. No. 5,486.

The five patents listed above relate to methods of factory production of artificial teeth which are almost indistinguishable from natural teeth when viewed against the darkness of the oral cavity. These teeth appear to have a dark bluish shadowy fringe closely resembling natural teeth which varies with different light conditions as in natural teeth. The transparent enamel is so blended with the opaque body material that the finished tooth has a margin which freely admits the passage of light, the body and gum portions being opaque. May be manufactured in mass production but still possess the lack of uniformity of natural teeth. (Owner) Simon Myerson, Ideal Tooth Incorporated, 90 Hamilton St., Cambridge, Mass.

Patents Dedicated to the Public

The following patents owned by the Symington-Gould Corporation, 20 Symington Place, Rochester, N. Y., have been dedicated to the public of the United States by instrument recorded in the United States Patent Office February 24, 1947, which reads in part as follows:

> "* * * grants to the public of the United States of America and each and every member thereof, including persons, firms, or corporations, the right to make, to use, and to vend to others to be used, the said inventions described and claimed in and by the Letters Patent of Group A and the * * * enumerated claims of Letters Patent of Group B * * *."

Group A

The following five patents relate to spring nest assemblies for supporting the bolster of a railway truck frame. Generally, the assemblies utilize an elliptical spring associated with a plurality of helical or coil springs, all disposed between upper and lower spring plates or caps. These plates interlock with and properly position the springs with respect to one another and with the vehicle truck frame, and also retain the bands of the elliptical springs in normal position. Various types of spring plates or caps are shown.

Pat. 2,084,542. Railway Truck. Patented June 22, 1937.

Pat. 2,084,543. Railway Truck. Patented June 22, 1937.

Pat. 2,100,181. Railway Truck. Patented Nov. 23, 1937.

Pat. 2,067,471. Railway Truck. Patented Jan. 12, 1937.

Pat. 2,137,151. Railway Vehicle Spring. Patented Nov. 15, 1938.

Group B

The specified claims of the following six patents have been dedicated. These claims cover spring nest assemblies involving the use of elliptic springs and a plurality of helical or coil springs for supporting the bolster of a railway vehicle truck frame. Some of the claims cover specially designed plates or caps used in the assemblies.

Pat. 2,047,192. Railway Truck. Patented July 14, 1936. Claims 22, 23, and 24.

Pat. 2,094,557. Railway Truck. Patented Sept. 28, 1937. Claims 7 to 12 inclusive and claim 19.

Pat. 2,102,102. Railway Truck. Patented Dec. 14, 1937. Claims 1 to 21 inclusive.

Pat. 2,108,653. Railway Truck. Patented Feb. 15, 1938. Claims 10 and 11.

Pat. 2,146,200. Railway Truck. Patented Feb. 7, 1939. Claims 6, 14, and 15.

Pat. 2,205,369. Railway Truck. Patented June 18, 1940. Claims 5, 6, and 7.

The following three patents owned by the Metallising Engineering Company, Inc., 38–14 Thirtieth Street, Long Island City, N. Y., have been dedicated to the public of the United States by instrument recorded in the United States Patent Office February 26, 1947, which reads in part as follows:

> "* * * hereby dedicates to the public said patents and requests that this dedication be placed for publication on the 'Register of Patents Available for License or Sale' pursuant to Commissioner's Order No. 3,936 dated May 17, 1945."

Re. 22,397. Application of Spray Metal to Metal Surfaces. Reissued Nov. 30, 1943. Original No. 2,320,327, dated May 25, 1943.

Re. 22,398. Spray Metal Coated, Metal Surfaced Article. Reissued Nov. 30, 1943. Original No. 2,320,329, dated May 25, 1943.

Pat. 2,320,328. Application of Spray Metal to Metal Surfaced Substantially Cylindrical Objects. Patented May 25, 1943.

Patent 2,320,328 and Re. Patent 22,397 provide a method of pre-conditioning metal surfaces preparatory to the application of spray metal to obtain a high degree of bond, such as is necessary in the formation or re-building of bearings, shafts, or other working surfaces of machine parts. The surface is conditioned by depositing and bonding fusible electrode material thereon. The surface is not entirely coated, but a large number of small amounts of electrode material is applied thereto (with spaces between some of them) in any desirable pattern to obtain a surface characterized by an irregular roughness. Nickel, silver, bronze, or any other suitable material may comprise the electrode material. The surface thus conditioned is sprayed with metal in any desired manner. In Patent 2,320,328 cylindrical objects are rotated as the electrode material is applied. Reissue Patent 22,398 covers a spray metal coated product which includes the pre-conditioning treatment.

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS

RENDERED DURING MARCH, 1947

The United States Time Corporation *v.* Medicated Products Company (Statler Mfg. Co., Assignee, Substituted), Cancellation No. 4839.

In a decision rendered March 5, 1947 (169 Ms. Dec. 29), 72 USPQ 377), *First Assistant Commissioner Frazer* denied a petition from the ruling of the Examiner of Interferences dismissing the counterclaim on motion, because it failed to allege either directly or by necessary implication that the respective products possess the same descriptive properties, included in the answer of Statler Mfg. Co. in the cancellation proceeding instituted upon the petition of The United States Time Corporation, of Waterbury, Conn., to cancel a trade-mark registration issued to Medicated Products Company (Statler Mfg. Co., Assignee, Substituted), of Chicago, Ill., under the provisions of the act of March 19, 1920.

After conceding that it is true that the petition to cancel alleges that the goods of the parties are goods of the same descriptive properties, and that such allegation is denied in the answer, it was held that a counterclaim must be pleaded as fully as an original cause of action, and all the facts relied upon must be alleged; in other words, the pleading must be sufficient in itself independently to state a cause of action so that the counterclaim here in question is thus fatally defective.

It was further held that if the goods of the parties are of different descriptive properties, neither party is injured, and neither has a valid cause of action; but if a claim for relief be asserted, the pleading must contain a short and plain statement of the claim showing that the pleader is entitled to relief; and that requirement is expressly made applicable to counterclaims; see Rule 8(a), Rules of Civil Procedure; under Rule 8(e), however, separate claims or defenses may be pleaded regardless of consistency.

Doughboy Industries, Inc., *v.* Colonial Molasses Co., Inc., Cancellation No. 4794.

In a decision rendered March 5, 1947 (169 Ms. Dec. 290, 72 USPQ 378), *First Assistant Commissioner Frazer* denied a petition seeking reversal of the action of the Examiner of Interferences who had denied the motion of the party, Doughboy Industries, Inc., of New Richmond, Wis., presented under rule 157 to use herein the record including the testimony and exhibits introduced by its predecessor in interest in an interference proceeding to which the party Colonial Molasses Co., Inc., of Brooklyn, N. Y., was not a party.

It was held that rule 157 applies only when the parties are the same in both proceedings.

In response to petitioner's suggestion that the use of such depositions is in accordance with the provisions of Rule 26 of the Federal Rules of Civil Procedure, it was held that there is nothing in that rule to support petitioner's argument.

The B. F. Goodrich Company *v.* The Tremco Manufacturing Company, Opposition No. 23,819.

In a decision rendered March 6, 1947 (169 Ms. Dec. 292, 72 USPQ 378), *First Assistant Commissioner Frazer* denied a petition of The B. F. Goodrich Company, of Akron, Ohio, that the Commissioner's decision dated January 30, 1947 (595 O. G. 479, 72 USPQ 177) be reconsidered and that the time for appeal to the United States Court of Customs and Patent Appeals be extended until fifteen days after action on this petition.

It was held that opposer's time for appeal is fixed by rule 149 of the Rules of Practice.

After noting that the decision was predicated upon the finding that opposer's trade-mark "Koroseal," to which the Examiner of Interferences held applicant's mark "Corosofoil" to be confusingly similar, is not appropriated to merchandise of the same descriptive properties, and conceding that in opposer's advertising, and possibly on some of its labels, such merchandise, sold under other trade-marks, is referred to as a "Koroseal" product or a solution of "Koroseal," it was held that that does not constitute trade-mark use of the word "Koroseal," and its use other than as a trade-mark is not alleged in the notice of opposition.

McKesson & Robbins, Incorporated, *v.* Village Winery, Opposition No. 23,970.

In a decision rendered March 7, 1947 (169 Ms. Dec. 293, 72 USPQ 379), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences sustaining the opposition of McKesson & Robbins, Incorporated, of New York, N. Y., to the application of Village Winery, of Escalon, Calif., for registration of a trade-mark claimed to have been used since September 18, 1944, for a dry liqueur, applicant's mark comprising the words "Southern Bouquet," printed in two lines above the picture of a bouquet of flowers, below the picture being the disclaimed expression "A Favorite of the South," and a small monogram of the letters "V" and "W," the descriptive word "Bouquet" being also disclaimed. Opposer relied upon a mark which was registered for whisky on July 24, 1934, the mark being the notation "Old 'Southern Home,'" above a landscape depicting a house, a driveway, trees and shrubs.

It was held that there can be no doubt that the goods of the parties have the same descriptive properties and that the record discloses, and it is a matter of common knowledge that they are directly competitive.

In response to applicant's argument that the marks are readily distinguishable from each other, especially when applied to specifically different goods, because the only feature common to both marks is the word "Southern" which may be termed a highly suggestive or geographically descriptive word, it was held that applicant's mark is necessarily dominated by the word "Southern," for that is the only undisclaimed word it contains; and in the case of a trade-mark which consists of words accompanied by other pictorial indicia the portion of the mark which would be likely to indicate origin would be words used so that despite specific differences between the two, it seems that some measure of confusion would inevitably result.

In response to the contention that opposer has failed to prove ownership of its mark, it was held that the registration was issued to a third party, which thereafter changed its name, and under the new name made a formal assignment to opposer which facts are sufficiently established by certified copies of Patent Office records, introduced under rule 154(e) of the Rules of Practice.

In response to the contention that a certain label attached to the notice of opposition negatives opposer's alleged use of the mark, because it bears the notation "Bottled Expressly for McKesson Spirits Co., Inc.," which concern is alleged to be opposer's wholly owned subsidiary, it was held that the allegation is not proved, but since opposer owns the registration, its failure to prove use was wholly irrelevant to the issue here involved and should be given no consideration whatsoever in determining the issues in this case.

The Richter & Phillips Company v. I. Alberts' Sons, Inc., Cancellation No. 4543.

In a decision rendered March 12, 1947 (169 Ms. Dec. 295, 72 USPQ 450), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences dismissing the petition of The Richter & Phillips Company, of Cincinnati, Ohio, to cancel trade-mark registration No. 409,166, issued September 19, 1944, under the provisions of the act of February 20, 1905, to I. Alberts' Sons, Inc., of Boston, Mass.. the registered mark being the notation "Forget Me-Not," appropriated to finger rings. With the missing hyphen added, petitioner claims ownership of the same mark for the same goods.

It was held that the only issue to be determined is whether respondent was entitled to the use of the mark at the date of his application for registration thereof; if not, section 13 of the act requires that the Commissioner shall cancel the registration.

After noting that respondent relies upon an assignment from an alleged predecessor, Glaser Bros.. of all its right, title and interest in and to said trade-mark "Forget-Me-Not" and registration thereof No. 169,339 aforesaid, including all its rights and privileges appertaining thereto, together with the entire good will of the business in connection with which the said trade-marks are used, its assignment having been executed March 24, 1944, and the registration purported to be assigned having been issued June 12, 1923, and expired June 12, 1943, in response to petitioner's argument that respondent took nothing by the assignment, the only result of which was abandonment by the assignor, it was held that it is true that Glaser Bros. remained in business after the assignment was made, and continued to sell rings, but such good will as remained in relation to "Forget-Me-Not" rings had definitely passed to respondent, for the mark was no longer used by Glaser Bros. and the assignment carried with it a business right with which a good will was connected; although respondent acquired no rights by reason of the expired registration per se, nevertheless since Glaser Bros. owned the trade-mark when the assignment was executed, such ownership passed to respondent despite the fact that the registration had expired.

The Scholl Mfg. Co., Inc., v. Irving Simon, Opposition No. 23,548.

In a decision rendered March 19, 1947 (169 Ms. Dec. 297, 72 USPQ 518), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences dismissing the opposition of The Scholl Mfg. Co., Inc., of New York, N. Y., to the application of Irving Simon, of Brooklyn, N. Y., for registration of a trade-mark which is essentially the word "Zindex," appropriated to a foot preparation for athlete's foot. Opposer relied upon a mark which is the word "Solvex," previously registered for goods of the same descriptive properties.

It was held that when the marks are considered in their entireties, as they must be, they are so generally dissimilar that confusion in trade would not be likely to occur; the two marks neither look alike, sound alike, nor have any similarity in meaning.

After noting that in taking testimony-in-chief opposer introduced two additional registrations, and in its rebuttal testimony still a third, of marks that are somewhat more similar to applicant's mark and thereafter moved to amend the notice of opposition to conform the pleadings to the proof under Rule 15(b) of the Federal Rules of Civil Procedure, which motion to amend was denied by the Examiner of Interferences, in response to opposer's argument that the issues were tried by the consent of the parties, it was held that the issues were tried before the Examiner of Interferences at final hearing at which time applicant expressly objected to the proposed amendments and other evidence relating thereto so that Rule 15(b) does not apply, but in any event the requirement of section 6 of the act that a notice of opposition, stating the grounds therefor shall be filed within thirty days after the

publication of the mark sought to be registered precludes the allowance of an amendment setting up new grounds of opposition if filed more than thirty days after publication, regardless of the deeds or agreement of the parties.

In response to petitioner's argument that evidence in support of grounds not specifically pleaded is admissible under its general allegation as to likelihood of confusion, deception and consequent injury to opposer, it was held that the authorities, however, are all to the contrary.

In response to opposer's contention that the opposed application should be refused registration ex parte on opposer's prior registrations, it was held that although opposer is not entitled to be heard in that regard, the matter would be considered, but to warrant rejection now on ex parte grounds, the case against applicant should be free from doubt and opposer's registrations do not make such a case.

Ex parte Horace W. Hall (Sport Products, Inc., Assignee, Substituted), Serial No. 481,701.

In a decision rendered March 21, 1947 (169 Ms. Dec. 299, 73 USPQ 9), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks refusing to register to Horace W. Hall (Sport Products, Inc., Assignee, Substituted) of Newton, Mass., a mark for tennis rackets and badminton rackets, the alleged trade-mark being applied or affixed to the goods by constructing that portion of the racket between the curved bow and the handle, which portion is commonly called the throat, of different natural colors of wood, the mark appearing in the throat of the racket which consists of a narrow stripe formed by a strip of light colored wood of a brownish shade between two triangular areas formed by two pieces of a light colored wood of a whitish shade.

It was held that it seems apparent that the two-tone effect thus accomplished lacks trade-mark significance; it is merely decorative and would so impress the average purchaser.

It was held that there is another reason which is conclusive why registration was properly refused inasmuch as on November 10, 1931, a patent was issued to applicant, relating to laminated rackets which patent both describes and claims the throat structure now sought to be registered as a trade-mark and it is, of course, well established that utilitarian devices are nonregistrable, for their registration would afford monopolies that are not permitted by the Trade-Mark Act.

It was held that it is not of controlling importance that two registrations have previously been issued to applicant of marks somewhat similar to the one here in question for while it is true that such registrations would be persuasive evidence in applicant's favor were there any reasonable doubt as to the registrability of its mark upon this later application, nevertheless since there is no room for doubt, the rule is here inapplicable.

American Pharmaceutical Company, Inc., v. Dr. Miles Medical Company (by Change of Name, Miles Laboratories, Inc.), Cancellation No. 3701.

In a decision rendered March 25, 1947 (169 Ms. Dec. 301, 73 USPQ 10), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences dismissing, on motion for summary judgment under Rule 56 of the Rules of Civil Procedure, the petition of American Pharmaceutical Company, Inc., of New York, N. Y., to cancel trade-mark registration No. 283,831, issued June 9, 1931, under the provisions of the act of February 20, 1905, to Dr. Miles Medical Company (by change of name, Miles Laboratories, Inc.), of Elkhart, Ind. The mark of the registration sought to be canceled is the notation "Alka-Seltzer," the word "Seltzer" being disclaimed apart from the mark as shown in the drawing and the goods to which it is appropriated being described as anti-acid effervescent preparations.

After noting that in a suit brought by respondent against petitioner in the Supreme Court of the State of New York, petitioner has been perpetually enjoined from using in manufacture, advertisement or sale of effervescent, analgesic, alkaline tablets, or any goods of substantially the same general properties, the designation "Alkaline Seltzer," either alone or in conjunction with other words or letters, or any other designation which by colorable imitation or otherwise, is likely to be mistaken for or confused with plaintiff's trade-mark "Alka-Seltzer," it was held that it thus becomes immaterial to petitioner's rights whether respondent's mark remains on the register or not, for even were the registration canceled, and regardless of the grounds of cancellation, petitioner could not lawfully use a confusingly similar mark so that it follows that the New York decree precludes any possibility of injury to petitioner by reason of the registration sought to be canceled, and respondent is entitled to a judgment as a matter of law within the meaning of Rule 56(c).

After noting that in the petition to cancel, petitioner pleaded its use of both "Aphco Alkaline Seltzer" and "Aphco Alkaline Effervescent," in response to petitioner's argument that since the latter expression was not directly involved in the New York suit, there still remains a genuine issue of fact in regard thereto and the Examiner has rendered only a partial summary judgment, it was held that the only statutory ground for cancellation that is pleaded in the petition is that "Alka-Seltzer" is merely descriptive of respondent's goods and that issue was expressly adjudicated by the New York court, which ruled that the mark is a valid technical trade-mark as applied to effervescent analgesic alkaline tablets as made by the plaintiff, and that plaintiff is the exclusive owner of said trade-mark so that although the court was without jurisdiction to cancel respondent's registration nevertheless the court had authority to pass upon the validity of the registered mark, and having invited the adjudication, petitioner is bound thereby and may not relitigate the question thus decided.

EX PARTE THE APPOLINARIS COMPANY LIMITED, Application for renewal of registration No. 53,335.

In a decision rendered March 28, 1947 (169 Ms. Dec. 303, 73 USPQ 64), *First Assistant Commissioner Frazer* denied a petition by The Appolinaris Company Limited, of Neuenahr, Germany, from the action of the Examiner of Trade-Marks requiring a showing that the trade-mark is protected in its home country in view of section 12 of the Trade-Mark Act of February 20, 1905, in an application for renewal of a trade-mark registration that was originally issued on May 29, 1906, and previously renewed on May 29, 1926, the mark having been registered in Great Britain on December 31, 1885.

In response to applicant's contention that the restriction of section 12 of the Trade-Mark Act of February 20, 1905, was superseded by article 6-D of the London revision of the International Convention for the Protection of Industrial Property, it was held that the term of applicant's registration was fixed by section 12 of the act to expire on the day on which the registered mark should cease to be protected in Great Britain, and obviously an expired registration may not be renewed so that in seeking renewal it was thus encumbent upon applicant to make the showing required by the Examiner in order to establish that its certificate was still in force, and hence subject to renewal under the internal law of the country of importation.

TRADE-MARKS

OFFICIAL GAZETTE, APRIL 29, 1947

[VOL. 597. No. 5]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 2

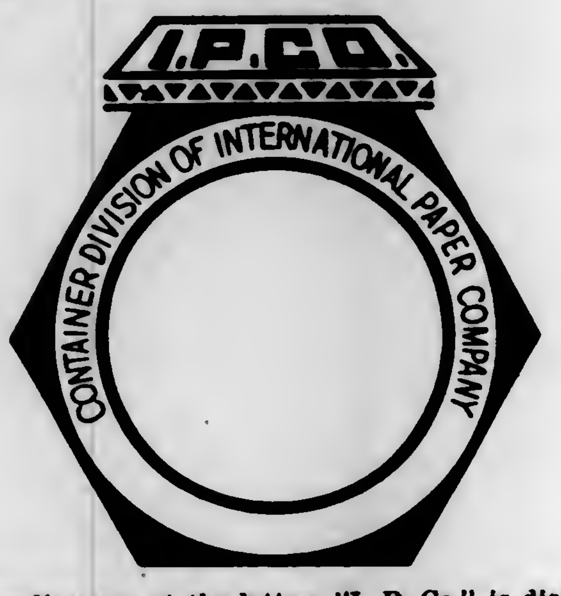
RECEPTACLES

Ser. No. 485,603. L. RENCH, Oakland, Calif., assignor to Frostorage, Oakland, Calif., a corporation of California. Filed July 9, 1945.

Frostorage

FOR PAPER BAGS.
Claims use since Feb. 14, 1945.

Ser. No. 491,573. INTERNATIONAL PAPER COMPANY, New York, N. Y. Filed Nov. 14, 1945.


I.P.CO.
CONTAINER DIVISION OF INTERNATIONAL PAPER COMPANY

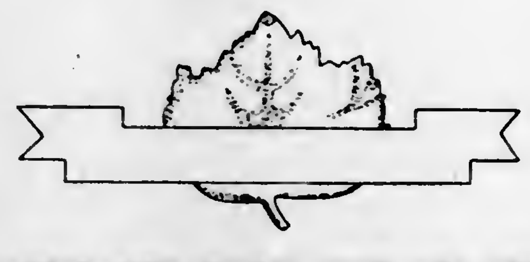
All wording except the letters "I. P. Co." is disclaimed apart from the mark.
FOR BOXES MADE OF PAPER BOARD.
Claims use since Apr. 15, 1945.

Ser. No. 498,296. MAVCO, INC., New York, N. Y. Filed Mar. 15, 1946.

Mavco

FOR COMPACTS MADE OF PLASTIC MATERIALS AND/OR BASE METALS AND SOLD IN TRADE EMPTY.
Claims use since June 1940.

Ser. No. 499,007. POLORON PRODUCTS, INC., New Rochelle, N. Y. Filed Mar. 26, 1946.



FOR INSULATED PICNIC JUGS AND INSULATED PICNIC BOXES.
Claims use since May 1935 on insulated picnic jugs; and since April 1939 on insulated picnic boxes.

Ser. No. 499,810. UNION BAG & PAPER CORPORATION, New York, N. Y. Filed Apr. 6, 1946.

PIKUP

FOR PAPER BAGS.
Claims use since Mar. 27, 1946.

Ser. No. 514,065. THOMAS RUSSELL, doing business as Tuc-Ker-Way Bag Co., Chicago, Ill. Filed Dec. 11, 1946.

TUC-KER-WAY

FOR GARMENT BAGS.
Claims use since Nov. 25, 1946.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 513,023. RICHARD A. BRINKHAUS, doing business as H. A. Brinkhaus & Sons, Louisville, Ky. Filed Nov. 22, 1946.

"TRIP-PANION"

FOR TRAVELING BAGS, SUITCASES, BRIEF CASES, AND TRUNKS.
Claims use since June 19, 1946.

Ser. No. 513,087. Wm. Filene's Sons Company, Boston, Mass. Filed Nov. 22, 1946.

YANKEE TRIPPER

FOR SUITCASES, TRUNKS, TRAVELLING BAGS, AND HANDBAGS.
Claims use since Nov. 8, 1946.

Ser. No. 513,499. Louis H. Clark, New York, N. Y. Filed Nov. 30, 1946.

WATE-O-WIND

FOR SUITCASES.
Claims use since January 1945.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 480,245. International Chemical Company, Chicago, Ill. Filed Feb. 26, 1945.

VACUUM CRYSTALS

The word "Crystals" is disclaimed except when used as a part of the mark.
FOR DRY DETERGENT PREPARATION FOR APPLICATION TO WASHING WATER.
Claims use since on or about July 1, 1932.

Ser. No. 488,110. Magic Foam Sales Corporation, Cincinnati, Ohio. Filed Sept. 7, 1945.

Magic Foam

FOR CHEMICAL PREPARATION FOR CLEANING UPHOLSTERY, CARPETS, RUGS, DRAPERIES, TAPESTRIES, AND OTHER FABRICS, HAVING INCIDENTAL DEODORIZING PROPERTIES.
Claims use since on or about Jan. 1, 1932.

Ser. No. 494,914. Ralph Mernit, Inc., New York, N. Y. Filed Jan. 17, 1946.

MEROLAX

FOR COMPOUND FOR DETARNISHING SILVER.
Claims use since on or about Jan. 1, 1938.

Ser. No. 505,675. Affiliated Products, Inc., New York, N. Y. Filed July 16, 1946.

FOR SOAP.
Claims use since July 5, 1944.

Ser. No. 505,864. R. R. Street & Co., Inc., Chicago, Ill. Filed July 18, 1946.

J·P·S

FOR DETERGENT FOR USE IN DRY CLEANING OPERATIONS.
Claims use since Jan. 2, 1929.

Ser. No. 505,865. R. R. Street & Co., Inc., Chicago, Ill. Filed July 18, 1946.

STATICOL

FOR DETERGENT FOR USE IN DRY CLEANING OPERATIONS.
Claims use since July 1, 1946.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 478,184. The Norwich Pharmacal Company, Norwich, N. Y. Filed Jan. 3, 1945.

Amolin

FOR TOILET POWDERS AND TOILET CREAMS, BEING DEODORANTS, PREPARATIONS FOR THE RELIEF OF SUNBURN, INSECT BITES, ATHLETE'S FOOT, AND SKIN IRRITATIONS, ANTISEPTICS, DISINFECTANTS, AND FOR USE AFTER SHAVING.
Claims use since Jan. 1, 1893.

Ser. No. 494,455. Francis E. Martin, West Chester, Pa. Filed Jan. 8, 1946.

MASTICS

FOR BOUGIE AND THE LIKE CONTAINING A COMPOUND FOR TREATMENT OF MAMMARY GLANDS.
Claims use since Nov. 9, 1945.

Ser. No. 495,131. Consolidated Cosmetics, Chicago, Ill. Filed Jan. 21, 1946.

No. T

FOR PERFUME, COLOGNE, FACE POWDER, AND HAND LOTION.
Claims use since Jan. 15, 1946.

Ser. No. 499,118. S. de Benveniste, Paris, France. Filed Mar. 28, 1946.

ETEIGNONS TOUT

FOR EAU DE COLOGNE, PERFUMES, FACE POWDERS, LIPSTICKS, CREAM ROUGES, CREAM COLOR FOUNDATIONS AND BEAUTY CREAMS FOR THE CARE OF THE SKIN AND OF THE FACE AND TOILET LOTIONS.
Claims use since July 18, 1945.

Ser. No. 499,121. S. de Benveniste, Paris, France. Filed Mar. 28, 1946.

GRIBOUILLAGE

FOR EAU DE COLOGNE, PERFUMES, FACE POWDERS AND LIPSTICKS.
Claims use since Sept. 4, 1942.

Ser. No. 499,122. S. de Benveniste, Paris, France. Filed Mar. 28, 1946.

INTERIM

FOR EAU DE COLOGNE, PERFUMES, FACE POWDERS, AND LIPSTICKS.
Claims use since Dec. 8, 1941.

Ser. No. 499,250. Eli Lilly and Company, Indianapolis, Ind. Filed Mar. 29, 1946.

LEXTRON FERROUS

No claim is made to the word "Ferrous" apart from the mark.
FOR MEDICINAL PREPARATIONS OF SPECIAL LIVER-STOMACH INTERACTION PRODUCT, IRON AMMONIUM CITRATE, GREEN, AND B VITAMIN CONCENTRATE USEFUL IN THE TREATMENT OF ANEMIA.
Claims use since Apr. 10, 1939.

Ser. No. 500,279. CALIFORNIA SPRAY-CHEMICAL CORPORATION, Wilmington, Del., and Richmond, Calif. Filed Apr. 16, 1946.

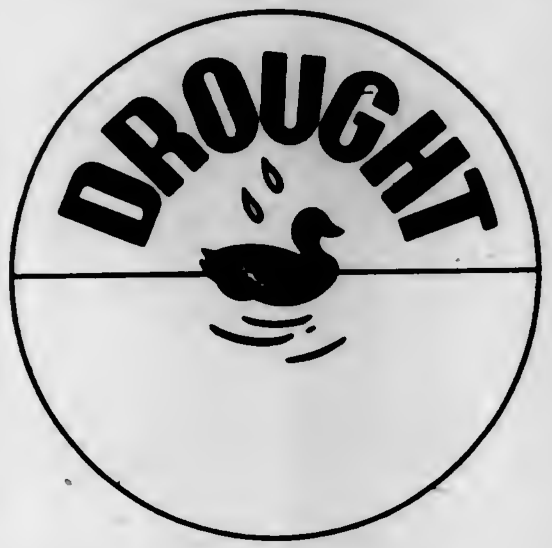
ORTHO-GUARD

Applicant disclaims the word "Guard" apart from the mark.

FOR PARASITICIDES—NAMELY, INSECTICIDES, FUNGICIDES, GERMICIDES, AND HERBICIDES.

Claims use since Mar. 22, 1946.

Ser. No. 500,792. JOHN T. BERDAN, doing business as Drought Products, La Mirada, Calif. Filed Apr. 24, 1946.



FOR WATER-PROOFING CHEMICAL.

Claims use since Dec. 15, 1945.

Ser. No. 501,043. HAROLD C. BLANKENBILLER, doing business as American Distilling & Manufacturing Co., East Hampton, Conn. Filed Apr. 27, 1946.

Gold Bond

FOR WITCH HAZEL.

Claims use since Nov. 30, 1945.

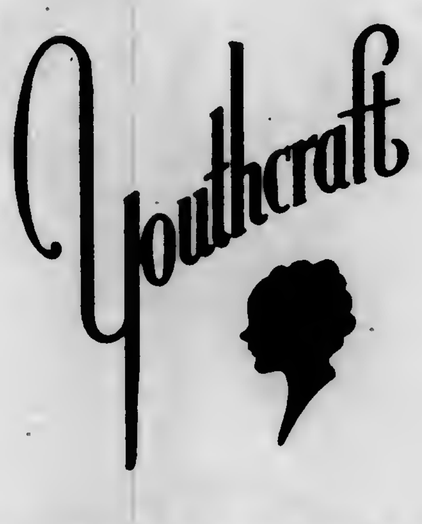
Ser. No. 501,055. DEZTRA, DISTRIBUTOR, Chicago, Ill. Filed Apr. 27, 1946.

Destra

FOR BODY DEODORANT CREAM.

Claims use since June 1, 1945.

Ser. No. 501,679. JOHN W. MURPHY, doing business as Murphy Laboratories, Upper Darby, Pa., assignor to Murphy Laboratories Inc., Upper Darby, Pa. Filed May 8, 1946.



The representation of the girl's head is fanciful.

FOR SHAMPOO.

Claims use since April 1944.

Ser. No. 501,781. STAR CHEMICAL COMPANY, San Antonio, Tex. Filed May 9, 1946.

STARCO

FOR HAIR SHAMPOO, DISINFECTANT AND DEODORANT FOR GENERAL PURPOSES, AND CHEMICAL DRAIN-OPENING MIXTURES, OF THE TYPE THAT IS ADAPTED TO COMBINE WITH MATERIAL CLOGGING A DRAIN, AND TO BE THEN WASHED THROUGH THE DRAIN WITH WATER.

Claims use since 1931.

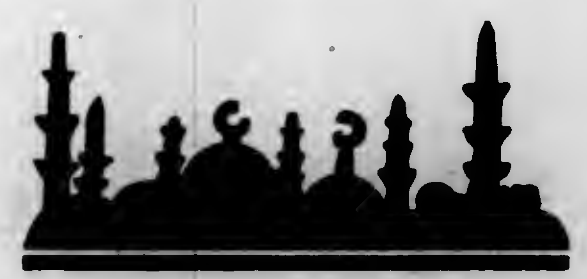
Ser. No. 502,167. J MARCUS STEWART, doing business as Stewart Pharmacal Co., Seffner, Fla. Filed May 15, 1946.

"BOJANGLES"

FOR LAXATIVE-PURGATIVE.

Claims use since September 1937.

Ser. No. 502,328. HARRY PRINCE, doing business as Royal Chemical Products Co., Troy, N. Y. Filed May 17, 1946.



FOR MOTHPROOFING COMPOSITION IN LIQUID FORM.

Claims use since July 1, 1938.

Ser. No. 502,559. VINCENT CHRISTINA & COMPANY, INC., New York, N. Y. Filed May 22, 1946.

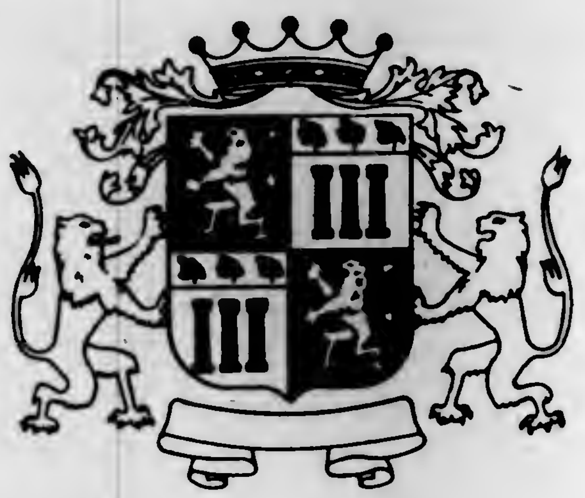
IODO-SULFIN

No claim is made for the exclusive use of the word "Iodo," apart from its association with "Sulfin" in the trade-mark.

FOR MEDICINAL PREPARATION FOR INJECTION INTRAMUSCULARLY OR INTRAVENOUSLY BY PHYSICIANS IN THE TREATMENT OF ARTHRITIS, ARTERIOSCHLEROSIS, SYPHILIS, AND ALLIED DISORDERS.

Claims use since Jan. 13, 1942.

Ser. No. 503,728. WILLIAM S. HIBBER, doing business as Henri Monet, Atlanta, Ga. Filed June 12, 1946.



FOR PERFUMES.

Claims use since December 1928.

Ser. No. 504,334. CORN PRODUCTS REFINING COMPANY, New York, N. Y. Filed June 21, 1946.

LAUREL

FOR STARCH FOR MANUFACTURING PURPOSES.

Claims use since at least as early as 1906.

Ser. No. 504,555. INGRAM LABORATORIES, INC., San Francisco, Calif. Filed June 25, 1946.

'Ingravidules'

FOR CAPSULES AND TABLETS OF PHARMACEUTICAL DRUGS AND PREPARATIONS FOR ORAL ADMINISTRATION—VIZ., LIVER, IRON AND VITAMINS; MULTIPLE VITAMINS; CALCIUM COMBINED WITH VITAMIN D AND/OR IRON; HIGH POTENCY VITAMIN D COMBINED WITH OTHER VITAMINS; VITAMIN B COMPLEX.

Claims use since Jan. 21, 1946.

Ser. No. 504,624. ELI LILLY AND COMPANY, Indianapolis, Ind. Filed June 26, 1946.

CRYSTODIGIN

FOR MEDICINAL PREPARATION CONTAINING CRYSTALLINE DIGITOXIN USED AS A CARDIAC STIMULUS.

Claims use since Nov. 15, 1945.

Ser. No. 505,014. EDMOND ROSENS, Paris, France. Filed July 2, 1946.

VOUS SEULE

FOR PERFUMES, TOILET WATERS, ROUGE, LIPSTICK, AND FACE CREAMS.

Claims use since May 31, 1939.

Ser. No. 505,240. ROYAL MANUFACTURING CO. OF DUQUESNE, Brooklyn, N. Y., now by change of name to Royal Pharmacal Corporation. Filed July 8, 1946.

SAXON
KNIGHT

FOR HAIR OIL, SKIN LOTION, LILAC LOTION A TOILET PREPARATION, COCOANUT OIL SHAMPOO, AFTER SHAVING LOTION, AND BRILLIANTINE.

Claims use since June 1, 1946.

Ser. No. 505,241. ROYAL MANUFACTURING CO. OF DUQUESNE, Brooklyn, N. Y., now by change of name to Royal Pharmacal Corporation. Filed July 8, 1946.

SAXON
SHIELD

FOR HAIR OIL, LILAC LOTION A TOILET PREPARATION, COCOANUT OIL SHAMPOO, SKIN LOTION, BRILLIANTINE, AND AFTER SHAVING LOTION.

Claims use since June 1, 1946.

Ser. No. 505,302. The Hubinger Company, Keokuk, Iowa. Filed July 9 1946.

ELECTRIC

The drawing is lined for shading only.
FOR POWDERED LAUNDRY STARCH.
Claims use since Sept. 4, 1886.

Ser. No. 505,396. Helene Curtis Industries, a Division of National Industries, Inc., Chicago, Ill., said National Industries, Inc., now by change of name Helene Curtis Industries, Inc. Filed July 11, 1946.

Techni-Curl

Applicant disclaims the term "Curl" apart from the mark.

FOR PERMANENT HAIR WAVING SUPPLIES FOR VARIOUS TYPES OF WAVING, SOLD EITHER IN THE FORM OF COMPLETE KITS OR AS INDIVIDUAL ITEMS—NAMELY, CHEMICAL HEATING PADS AND WAVING SOLUTION.
Claims use since on or about June 12, 1946.

Ser. No. 506,772. Gene Salée, Hollywood, Calif. Filed Aug. 2, 1946.

GENENNE

FOR LIQUID AND CREAM MAKEUP.
Claims use since Apr. 6, 1939.

Ser. No. 506,791. Woolfolk Chemical Works, Ltd., Fort Valley, Ga. Filed Aug. 2, 1946.

TRICLANE

FOR INSECTICIDE.
Claims use since September 1945.

Ser. No. 507,056. Heyden Chemical Corporation, New York, N. Y. Filed Aug. 8, 1946.

TMP

FOR TRIMETHYLOLPROPANE, A POLYHYDRIC ALCOHOL USEFUL FOR THE PREPARATION OF ALKYD AND OTHER SYNTHETIC RESINS, DRYING OILS AND COATING COMPOSITIONS.
Claims use since Sept. 10, 1944.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 500,343. Academy Award Products, Inc., New York, N. Y. Filed Apr. 17, 1946.

ACADEMY AWARD

FOR SMOKERS' PIPES, AND CIGAR AND CIGARETTE HOLDERS.
Claims use since Feb. 6, 1946.

Ser. No. 506,345. The Reiss-Premier Corporation, West New York, N. J. Filed July 26, 1946.

SYNCHRO STEM

Applicant disclaims the word "Stem," apart from the mark.

FOR SMOKERS' PIPES, CIGAR AND CIGARETTE HOLDERS.
Claims use since Oct. 29, 1931.

CLASS 10

FERTILIZERS

Ser. No. 505,684. California Spray-Chemical Corporation, Wilmington, Del., and Richmond, Calif. Filed July 16, 1946.

STIMGRO

FOR FERTILIZERS.
Claims use since June 7, 1946.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 513,946. National Engineering Products, Inc., Washington, D. C. Filed Dec. 9, 1946.

National
SAFETY-WALK

No claim is made to the term "Safety-Walk" apart from the mark.

FOR NON-SLIP COATING MATERIAL COMPRISING A PLASTIC BINDER AND A FILLER OF ABRASIVE AGGREGATES; WHEN APPLIED TO FLOORS OR SIMILAR SURFACES BY TROWELING OR BRUSHING, PROVIDES, UPON DRYING, THROUGH EVAPORATION, A HIGH-FRICTION, WEAR-RESISTANT COATING, WHICH IS ALSO WEATHER-PROOF AND IMPERVIOUS TO ALL COMMON CHEMICALS.
Claims use since Nov. 26, 1946.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 488,192. Chicago Flexible Shaft Company, Chicago, Ill., now by change of name to Sunbeam Corporation. Filed Sept. 10, 1945.

Sunbeam

FOR LAWN SPRINKLERS.
Claims use since Aug. 30, 1945.

Ser. No. 488,198. Chicago Flexible Shaft Company, Chicago, Ill., now by change of name to Sunbeam Corporation. Filed Sept. 10, 1945.

Sunbeam

FOR RECEPTACLES FOR HOUSEHOLD USE—NAMELY BASE METALLIC BOWLS, AND METALLIC CREAM AND SUGAR SETS.
Claims use since 1930.

CLASS 15

OILS AND GREASES

Ser. No. 494,319. Freit Laboratories, Inc., Jacksonville, Fla. Filed Jan. 5, 1946.

THE WOOD
FREIT
LUBRICANT-PRESERVATIVE

No claim is made to the right to the exclusive use of the words "The Wood Lubricant-Preservative" except in the setting and relation in which they appear in the drawing.

FOR WOOD PRESERVATIVE AND LUBRICANT—NAMELY, A COMBINATION LIQUID LUBRICANT AND WOOD PRESERVATIVE FOR USE ON PARTS OF FURNITURE SUCH AS DRAWERS, SLIDING SHELVES, AND THE LIKE, TO FACILITATE THEIR OPERATION.
Claims use since Nov. 17, 1945.

Ser. No. 502,888. Crusader Candle Co., Brooklyn, N. Y. Filed May 28, 1946.

CRUSADER

The trade-mark consists of the word "Crusader."

FOR CANDLES, PARTICULARLY FOR RELIGIOUS USE.
Claims use since May 6, 1946.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 499,091. United Chromium, Incorporated, New York, N. Y. Filed Mar. 27, 1946.

UNICHROME

FOR BAKING LACQUERS AND AIR-DRYING LACQUERS HAVING UNUSUAL RESISTANCE TO THE ATTACK OF CHEMICALS, THINNERS FOR THE LACQUERS, AND REMOVERS FOR THE LACQUER COATINGS.
Claims use since Jan. 17, 1939, on baking lacquers; and since Apr. 7, 1941, on air-drying lacquers.

Ser. No. 506,182. Monumental Bowling and Billiard Supply Company, Baltimore, Md. Filed July 24, 1946.

STRIKEASY

FOR LACQUER FOR USE ON BOWLING ALLEYS.
Claims use since June 29, 1946.

Ser. No. 506,198. Pittsburgh Plate Glass Company, Pittsburgh, Pa. Filed July 24, 1946.

DECKHIDE

FOR LIQUID AND PASTE PAINTS, PAINT PRIMERS, PAINT ENAMELS AND LACQUERS, AND VARNISHES.
Claims use since June 27, 1946.

Ser. No. 506,199. Pittsburgh Plate Glass Company, Pittsburgh, Pa. Filed July 24, 1946.

GALVAHIDE

FOR LIQUID AND PASTE PAINTS, PAINT PRIMERS, PAINT ENAMELS AND LACQUERS, AND VARNISHES.
Claims use since June 29, 1946.

Ser. No. 506,200. Pittsburgh Plate Glass Company, Pittsburgh, Pa. Filed July 24, 1946.

MILLHIDE

FOR LIQUID AND PASTE PAINTS, PAINT PRIMERS, PAINT ENAMELS AND LACQUERS, AND VARNISHES.
Claims use since Mar. 19, 1942.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 501,018. John Sinclair Limited, Newcastle-on-Tyne, England. Filed Apr. 26, 1946.

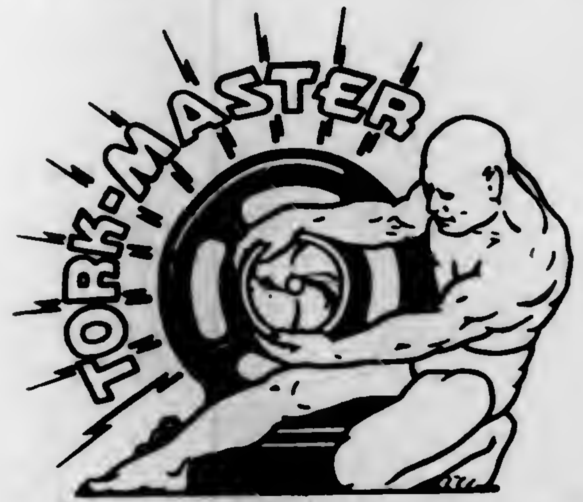
PARSON'S PLEASURE

FOR SMOKING TOBACCO AND CIGARETTES.
Claims use since May 31, 1905.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 489,093. Vaughan Motor Company, Portland, Oreg. Filed Sept. 27, 1945.



The word "Tork" and the representation of the electric motor are disclaimed apart from the mark.

FOR ELECTRICAL APPARATUS AND SWITCH EMPLOYED IN COMBINATION WITH AN ELECTRIC MOTOR FOR OPENING AND CLOSING A GATE VALVE, THE APPARATUS AND SWITCH ACTING AUTOMATICALLY TO SHUT OFF THE MOTOR WHEN RESISTANCE TO MOVEMENT OF THE GATE VALVE IN EITHER DIRECTION INCREASES THE TORQUE STRAIN ON THE MECHANISM BEYOND A SAFE OR DESIRED AMOUNT, ADAPTED TO PREVENT THE DEVELOPMENT OF EXCESSIVE TORQUE.
Claims use since June 1, 1940.

Ser. No. 501,654. Electrical Industries, Inc., Newark, N. J. Filed May 8, 1946.

Electra-Serve

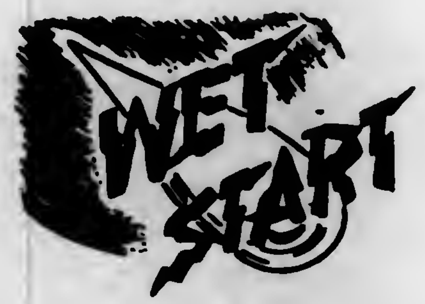
FOR ELECTRICALLY HEATED FOOD WARMERS AND COOKERS; ELECTRICALLY HEATED BOTTLE WARMERS; ELECTRICALLY HEATED VAPOR STERILIZERS; AND ELECTRICALLY HEATED VAPORIZERS—NAMELY, WATER OR MEDICINAL VAPORIZERS USED FOR ROOM OR OTHER ENCLOSURE HUMIDIFICATION OR MEDICATION.
Claims use since Feb. 27, 1946.

Ser. No. 505,484. Camco Products Inc., New York, N. Y. Filed July 12, 1946.

Camco

FOR PORTABLE ELECTRIC TABLE RANGES.
Claims use since July 1, 1945.

Ser. No. 508,882. Bal-Dart Incorporated, Detroit, Mich. Filed Sept. 11, 1946.



The word "Wet" apart from the mark is disclaimed.

FOR OLEOUS INSULATION IN LIQUID FORM TO BE APPLIED ON ELECTRIC WIRES AND BATTERIES TO INSULATE AGAINST MOISTURE.
Claims use since Nov. 10, 1945.

Ser. No. 508,877. H. W. Tuttle & Company, Adrian, Mich. Filed Sept. 11, 1946.

Porta-Broil

The word "Broil" is disclaimed apart from the mark shown.

FOR ELECTRIC BROILERS AND FRYERS.
Claims use since July 25, 1946.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 494,717. Twinsy Toy Company, Battle Creek, Mich. Filed Jan. 12, 1946.

THE MAN IN THE MOON

FOR DOLLS AND ANIMAL TOYS MADE OF FABRIC.
Claims use since on or about Sept. 17, 1940.

Ser. No. 496,265. Alfred Pelzmann, doing business as Da-Da Toys Company, Chicago, Ill. Filed Feb. 8, 1946.

DADA

FOR BALANCING ANIMAL TOYS.
Claims use since Jan. 4, 1946.

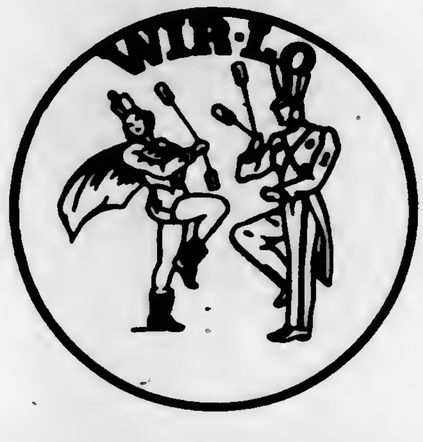
Ser. No. 498,708. Metro Toy Company, New York, N. Y. Filed Mar. 21, 1946.

ZOO FUN

The word "Zoo" is disclaimed apart from the mark.

FOR TOYS CONSTITUTED OF PLASTIC SECTIONS JOINED TOGETHER TO FORM REPRESENTATIONS OF ANIMALS AND PARTS THEREFOR CONSTITUTED OF SUCH PLASTIC SECTIONS AND MEANS FOR JOINING THEM TOGETHER.
Claims use since Mar. 1, 1946.

Ser. No. 498,788. Albert E. Manofsky, Detroit, Mich. Filed Mar. 22, 1946.



The representation of the goods is disclaimed apart from the mark. The representations of the drum major and the drum majorette are fanciful.

FOR WHIRLING TOY INCLUDING A PAIR OF ELEMENTS ON THE FREE ENDS OF A CORD ADAPTED FOR ROTATION IN OPPOSITE DIRECTIONS.
Claims use since on or about Jan. 1, 1944.

Ser. No. 498,934. Sorort Manufacturing Co., Brooklyn, N. Y. Filed Mar. 25, 1946.

SORORT

FOR TOY BANJOS, TOY VIOLINS, AND TOY XYLOPHONES.
Claims use since on or about Aug. 1, 1944.

Ser. No. 501,671. Morris B. Litberg, doing business as Aero-Kite Co., Chicago, Ill. Filed May 8, 1946.

Strato-Kite

The word "Kite" is disclaimed apart from the mark.
FOR TOY KITES.
Claims use since Apr. 1, 1946.

Ser. No. 505,965. Lazy Ike Bait Co., Preston, Minn. Filed July 20, 1946.

LAZY IKE

FOR FISH LURES.
Claims use since July 10, 1946.

Ser. No. 514,048. Langley Corporation, San Diego, Calif. Filed Dec. 11, 1946.

STREAMLITE

FOR FISHING REELS.
Claims use since July 26, 1946.

Ser. No. 514,614. Joseph B. McKee, doing business as Multi Mfg. Co., Los Angeles, Calif. Filed Dec. 20, 1946.

Nurse Maid

FOR BABIES TOY RATTLES.
Claims use since Oct. 21, 1946.

Ser. No. 515,283. Winchester Toy Company, Philadelphia, Pa. Filed Jan. 4, 1947.

NIPPY the PUP

No claim is made to the word "Pup" apart from the mark.

FOR COMBINATION TOYS CONSISTING OF A MAGNETIC TOY DOG AND A MAGNETIC TOY BONE.
Claims use since Oct. 24, 1944.

Ser. No. 518,787. A. G. Spalding & Bros. Inc., Chicopee, Mass. Filed Mar. 10, 1947. Under 10-year proviso.

A. G. Spalding & Bros.

FOR BASEBALLS.
Claims use since about 1890.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 480,781. Mill & Mine Supply Co., Seattle, Wash., assignor to Mill and Mine Supply Co. Incorporated, Seattle, Wash. Filed Mar. 10, 1945.

TITAN

FOR POWER SAWS.
Claims use since October 1941.

Ser. No. 481,345. Thompson Equipment Co., Madera, Calif. Filed Mar. 26, 1945.

TECO

FOR CATTLE CHUTE OR OPERATING TABLE AND CATTLE DEHORNING CHUTE, HAY LOADERS, DEHORNING GATES, TRACTORS, AND PLOWS.
Claims use since September 1940.

Ser. No. 488,425. Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Filed Sept. 13, 1945. Under the act of February 20, 1905, as amended June 10, 1938.

Hearthstone

FOR GARDEN HOES, GARDEN RAKES, GARDEN SPRAYERS, HAND CULTIVATORS, SPADING FORKS, DRAIN AND POST HOLE SPADES, HAY FORKS, SHOVELS, SCOOPS, TURF EDGERS, HAND TROWELS, HAND FORKS, HAND CLAW WEEDERS, GARDEN KNIVES, HAND WEED DIGGERS, LAWN ROLLERS, GRASS, HEDGE, LOPPING AND PRUNING SHEARS, GRASS HOOKS, WEED CUTTERS, FERTILIZER SPREADERS, HAND AND POWER LAWN MOWERS, GRASS CATCHERS FOR LAWN MOWERS, SLICING KNIVES, BUTCHER KNIVES AND CLEAVERS, PARING KNIVES, COOKS' KNIVES, CARVING SETS INCLUDING KNIVES AND FORKS MADE OF BASE METAL, AND SEWING MACHINES.
Claims use since Feb. 13, 1945.

Ser. No. 493,172. Henry Disston & Sons, Incorporated, Tacony, Pa. Filed Dec. 13, 1945. Under section 5b of the act of 1905 as amended in 1920.

HENRY DISSTON & SONS
INC.
KEYSTONE STEEL & SAW, TOOL & FILE WORKS
TRADE MARK
PHILADELPHIA—U. S. A.

No claim is made to the following: "& Sons Inc.," "Saw, Tool, Steel & File Works," "Trade Mark" and "Philadelphia—U. S. A." apart from the mark as shown.

FOR SAWS, BOTH HAND AND POWER OPERATED, MACHINE KNIVES, PAPER KNIVES, MOULDING KNIVES, PLANER KNIVES, DITCH BANK CUTTERS, AND CIRCULAR KNIVES.

Claims use since 1840 on "Disston"; since 1855 on "Keystone"; since 1860 on emblem keystone, and scales; and since Aug. 22, 1929, as to the combined mark.

Ser. No. 493,259. Henry Disston & Sons, Incorporated, Philadelphia, Pa. Filed Dec. 14, 1945. Under section 5b of the act of 1905 as amended in 1920.

HENRY DISSTON & SONS
INC.
KEYSTONE SAW WORKS
PHILADELPHIA. U. S. A.
D—7

No claim is made to the following: "& Sons Inc.," "Saw Works," "Philadelphia, U. S. A.," and "7" apart from the mark as shown.

FOR SAWS, BOTH HAND AND POWER OPERATED, SAW HANDLES, SAW TEETH, SAW HOLDERS, SWAGES, SAW SETS, SAW CLAMPS, FILING GUIDES, FILING MACHINES, SAW FRAMES, SAW RODS, SAW TOOLS, TROWELS, CANE KNIVES, CORN KNIVES, HEDGE KNIVES, MACHETES, MACHINE KNIVES, CIRCULAR KNIVES, PRUNING HOOKS, FRICTION DISCS, SCRAPERS, DOCTOR BLADES, FOUNTAIN BLADES, GIN ROLLER BLADES, TURNING CHISELS, TURNING GOUGES, AND SCREW DRIVERS.

Claims use since 1840 on "Disston"; since 1855 on "Keystone"; since 1860 on emblem keystone and scales; since 1874 on "D"; and since Feb. 14, 1928, as to the combined mark.

Ser. No. 493,435. Henry Disston & Sons, Incorporated, Philadelphia, Pa. Filed Dec. 17, 1945. Under section 5b of the act of 1905 as amended in 1920.

ESTABLISHED
1840
HENRY DISSTON & SONS
D-8
PHILADELPHIA
U. S. A.

"For Beauty, Finish and Utility, this Saw cannot be Excelled."
Henry Disston

No claim is made to the following: "& Sons, Inc.," "8" and "Philadelphia, U. S. A." apart from the mark as shown.

FOR SAWS, BOTH HAND AND POWER OPERATED.

Claims use since 1840 on "Disston": since 1860 on emblem Keystone and Scales; since 1874 on "for beauty, finish, and utility, this saw cannot be excelled, Henry Disston"; since 1874 on "D–8"; and since Feb. 14, 1928, as to the combined mark.

Ser. No. 494,164. Northwest Machine Works, Oreg. Ltd., Portland, Oreg. Filed Dec. 31, 1945.

Triad

FOR PICK-UP ELEVATOR, THE RECEIVING LOWER END OF WHICH IS ARRANGED TO PICK UP BALES OR SACKS OF FARM PRODUCE SCATTERED HAPHAZARDLY OVER A FIELD AND TO LOAD IT ONTO A TRUCK, WHICH ALSO MOVES THE ELEVATOR OVER THE FIELD.
Claims use since June 1, 1945.

Ser. No. 495,983. Patented Appliances Incorporated, Saybrook, Conn. Filed Feb. 4, 1946.

BURGERMASTER

The word "Burger" is disclaimed apart from the mark.

FOR FOOD PATTY FORMING MACHINE.
Claims use since Apr. 28, 1944.

Ser. No. 496,884. The Bullard Company, Bridgeport, Conn. Filed Feb. 19, 1946.

HOLOCATOR

FOR MACHINE TOOL OF THE TYPE WHICH INCLUDES MECHANISM FOR PROVIDING RELATIVE MOVEMENT BETWEEN A TOOL HOLDER AND A WORK SUPPORT TO LOCATE BOTH RELATIVELY TO EACH OTHER—NAMELY DRILL PRESSES AND TURRET LATHES.
Claims use since Feb. 14, 1946.

Ser. No. 502,580. The Hobart Manufacturing Company, Troy, Ohio. Filed May 22, 1946. Under section 5b of the act of 1905 as amended in 1920.

Hobart

The drawing is lined to indicate shading only.

FOR BAND SAWS FOR SAWING FOOD PRODUCTS INCLUDING MEAT, FOWL, FISH AND BONE, AND SAW BANDS, PARTS AND SUPPLIES FOR SUCH MACHINES.
Claims use since Feb. 12, 1946.

Ser. No. 503,656. H. Maimin Company, Incorporated, New York, N. Y. Filed June 11, 1946.

CYCLON

The representation of a knife forming part of the "O" of the mark is disclaimed apart from the mark.
FOR CLOTH-CUTTING MACHINES.
Claims use since May 17, 1946.

Ser. No. 505,162. Nordberg Manufacturing Company, Milwaukee, Wis. Filed July 6, 1946.

CRIBEX

FOR MACHINES FOR CLEANING TRACK BALLAST, SAID MACHINE BEING MOTOR DRIVEN AND INCLUDING DIGGING CHAINS WHICH PENETRATE BETWEEN THE TIES AND REMOVE THE BALLAST.
Claims use since Mar. 8, 1946.

Ser. No. 506,053. National Metal Products Company, Kansas City, Mo. Filed July 22, 1946.

Spitfire

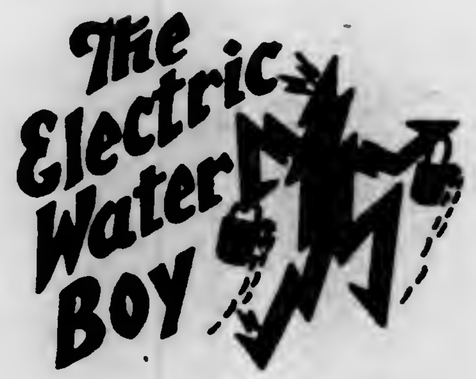
FOR GASOLINE DRIVEN POWER MOWING MACHINE.
Claims use since May 15, 1946.

Ser. No. 506,260. Henry G. Peters, Los Angeles, Calif. Filed July 25, 1946.

DRAIN BUDDY

Applicant disclaims the exclusive use of the word "Drain," apart from the mark.
FOR DRAIN PIPE CLEANER WHICH HAS A MANUAL HOLDING MEANS WITH A VACUUM CREATING UNIT AT ONE END THEREOF.
Claims use since Mar. 20, 1946.

Ser. No. 506,848. Weil Pump Co., Chicago, Ill. Filed Aug. 3, 1946.



The words "The Electric Water" are disclaimed apart from the mark.
FOR ELECTRIC WATER PUMPS.
Claims use since June 1930.

Ser. No. 506,890. The Oil City Brass Works, Beaumont, Tex. Filed Aug. 5, 1946.

FAT BOY

FOR TRAWLER BLOCKS DESIGNED FOR USE IN THE FISHING INDUSTRY.
Claims use since Apr. 28, 1943.

Ser. No. 507,010. Frank N. Mariani, Washington Heights, New York, N. Y. Filed Aug. 7, 1946.

CHAMPION

FOR FRUIT JUICE SQUEEZERS OF THE HAND OPERATED TYPE.
Claims use since July 29, 1946.

Ser. No. 508,547. Richmond Metal and Plastics Corporation, Philadelphia, Pa. Filed Sept. 5, 1946.

TURBOFLECTOR

FOR EXHAUST GAS DEFLECTORS FOR AUTOMOTIVE VEHICLES.
Claims use since July 26, 1946.

Ser. No. 509,017. The Marlin Firearms Company, New Haven, Conn. Filed Sept. 13, 1946.

"Calibrator"

FOR RAZORS.
Claims use since July 30, 1946.

Ser. No. 509,105. Sheffield Manufacturing Corp., Newark, N. J. Filed Sept. 14, 1946.

Rodeo

FOR RAZOR BLADES.
Claims use since Aug. 19, 1946.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 499,500. Louis Lefkowitz & Bro., Inc., New Brunswick, N. J. Filed Apr. 2, 1946.

DIAMOND

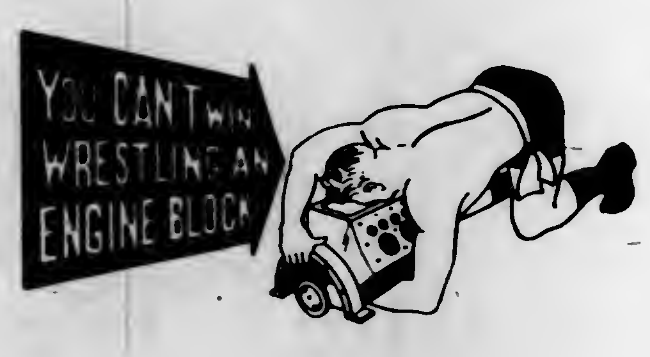
FOR CAMERA CASES.
Claims use since Dec. 31, 1930.

Ser. No. 507,643. Langley Corporation, San Diego, Calif. Filed Aug. 19, 1946.

FISHERMAN'S DE-LIAR

No claim is made to the exclusive use of the word "Fishermen's" apart from the mark shown.
FOR INSTRUMENT FOR MEASURING THE SIZE AND INDICATING THE WEIGHT OF FISH.
Claims use since July 17, 1946.

Ser. No. 508,141. Clayborne Manufacturing Company, Chicago, Ill. Filed Aug. 28, 1946.

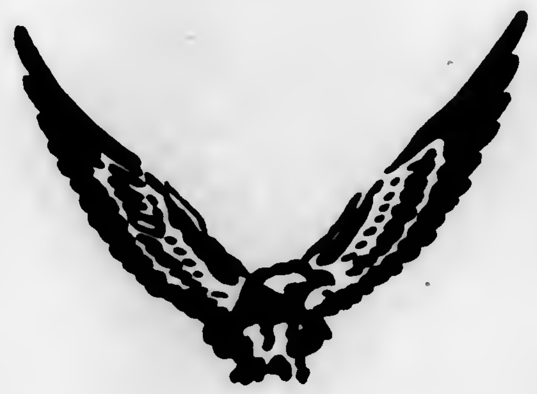


FOR DYNAMOMETERS.
Claims use since 1941.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 488,557. Waltham Watch Company, Waltham, Mass. Filed Sept. 15, 1945. Under 10-year proviso as to "Waltham."



WALTHAM

FOR WATCHES.
Claims use since June 26, 1945; and since Dec. 1, 1859, as to "Waltham."

Ser. No. 490,076. Octo Watches, Inc., New York, N. Y. Filed Oct. 17, 1945.

OCTO

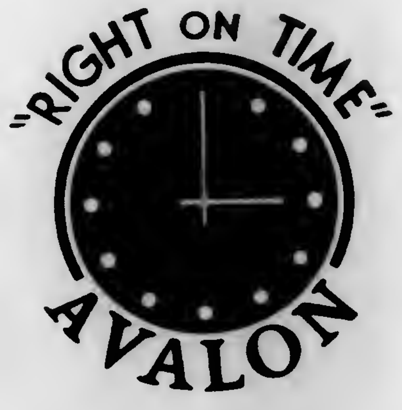
FOR WATCHES, CLOCKS, AND PARTS THEREOF.
Claims use since Oct. 4, 1945.

Ser. No. 490,077. Octo Watches, Inc., New York, N. Y. Filed Oct. 17, 1945.

OCTO
foremost

FOR WATCHES, CLOCKS, AND PARTS THEREOF.
Claims use since Oct. 4, 1945.

Ser. No. 504,102. N. Engel & Company, New York, N. Y. Filed June 18, 1946.



No claim is made to the exclusive use of the words "Right on Time" or the representation of the goods apart from the mark.

FOR WATCHES, WATCH MOVEMENTS AND PARTS OF THE SAME.

Claims use since Nov. 1, 1945.

Ser. No. 509,841. The Gruen Watch Company, Time Hill, Cincinnati, Ohio. Filed Sept. 27, 1946. Under 10-year proviso.

PRECISION

FOR WATCHES, WATCH CASES, AND WATCH MOVEMENTS.

Claims use since 1893.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 495,533. Joseph Berland, New York, N. Y. Filed Jan. 28, 1946.

TURNOVER

FOR FINGER RINGS.

Claims use since Nov. 1, 1944.

Ser. No. 504,185. Lawrence Mfg., Inc., Providence, R. I. Filed June 19, 1946.

Lauré

FOR JEWELRY FOR PERSONAL ADORNMENT NOT INCLUDING WATCHES, AND PRECIOUS AND SEMI-PRECIOUS GEMS.

Claims use since May 8, 1946.

Ser. No. 506,746. Fine Arts Sterling Silver Company, Philadelphia, Pa. Filed Aug. 2, 1946.

Southern Colonial

FOR SILVER FLATWARE—NAMELY, TABLE-KNIVES, BUTTER-KNIVES, YOUTH-KNIVES, TABLE-FORKS, SALAD-FORKS, COLD MEAT-FORKS, COCKTAIL-FORKS, YOUTH-FORKS, BABY-FORKS, SOUP-SPOONS, TEASPOONS, BERRY-SPOONS, TABLE-SPOONS, ICE DRINK-SPOONS, DESSERT-SPOONS, COFFEE-SPOONS, YOUTH-SPOONS, BABY-SPOONS, BUTTER-SPREADERS, SUGAR SHELLS, GRAVY LADLES AND TOMATO SERVERS.

Claims use since Oct. 4, 1945.

Ser. No. 509,327. Bates & Klinke, Inc., Attleboro, Mass. Filed Sept. 19, 1946.

Little Lady

FOR JEWELRY FOR PERSONAL ADORNMENT, NOT INCLUDING WATCHES.

Claims use since May 10, 1946.

Ser. No. 509,440. National Steel Fabric Company, Pittsburgh, Pa. Filed Sept. 20, 1946.

Lureloy

FOR BRACELETS.

Claims use since June 19, 1946.

Ser. No. 509,541. Speidel Corporation, Providence, R. I. Filed Sept. 21, 1946.

MISS
MIGNON

FOR CHILDREN'S JEWELRY—NAMELY, BRACELETS, NECKLACES, AND LOCKETS.

Claims use since Aug. 29, 1946.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 507,032. Trojan Brush Products, Inc., New York, N. Y. Filed Aug. 7, 1946.

TWIRLER

FOR HAIR BRUSHES.

Claims use since June 27, 1946.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 507,678. Mort Greene, Hollywood, Calif. Filed Aug. 20, 1946.

"NICE-CUBES"

No claim is made to the word "Cubes" apart from the mark as shown.

FOR IMITATION PLASTIC ICE CUBE FILLED WITH A LIQUID, THE UNIT TO BE FROZEN WHILE PLACED IN A REFRIGERATOR, AND TO BE USED AS A COOLANT OF LIQUIDS SUCH AS TEA, COFFEE, SOFT DRINKS, AND THE LIKE, BY NON-DILUTING HEAT EXCHANGE.

Claims use since January 1946.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 497,600. G. R. M. C. Company, doing business as Grand Rapids Metal Cabinet Company, Grand Rapids, Mich. Filed Mar. 4, 1946.

KAY-DEE

FOR KNOCK DOWN STEEL CABINETS.

Claims use since Dec. 1, 1945.

Ser. No. 499,924. Thayer Company, Gardner, Mass. Filed Apr. 9, 1946.

Tha-Lite

The word "Lite" is disclaimed apart from the mark.

FOR INFANTS' HIGH CHAIRS AND HIGH CHAIR TRAYS.

Claims use since Mar. 1, 1946.

Ser. No. 501,026. Charles Eugene Stephenson, New York, N. Y. Filed Apr. 26, 1946.

Neat Pete

FOR COSTUMER OR CLOTHES RACK MADE OF WOOD, METAL, PLASTIC AND SIMILAR MATERIALS FOR HANGING CLOTHES AND GARMENTS.

Claims use since Apr. 5, 1946.

Ser. No. 508,639. American Seating Company, Grand Rapids, Mich. Filed Sept. 7, 1946.

Universal

FOR CLASSROOM FURNITURE—NAMELY, SCHOOL CHAIRS, DESKS, AND TABLES.

Claims use since May 31, 1940.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 489,784. Atomic Lighters Company, New York, N. Y. Filed Oct. 11, 1945.

ATOMIC

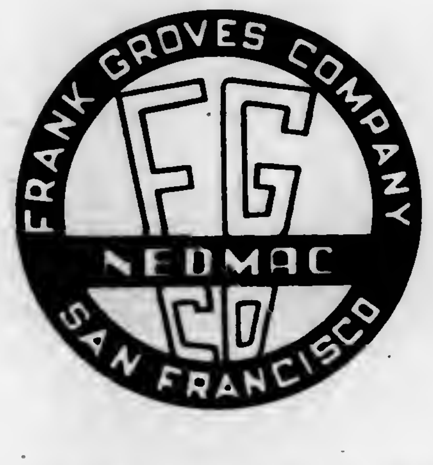
FOR PYROPHORIC LIGHTERS ESPECIALLY INTENDED FOR SMOKERS.

Claims use since Sept. 1, 1945.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 485,411. Frank Groves, doing business as Frank Groves Company, San Francisco, Calif. Filed July 3, 1945.



Applicant disclaims for purposes of Federal registration the words "Frank Groves Company San Francisco" apart from the trade-mark shown in the drawing.

FOR ASBESTOS SHEET PACKING; RUBBER SHEET PACKING; METALLIC PACKING; SEMI-METALLIC PACKING; ASBESTOS, RUBBER, AND RUBBER AND DUCK SPIRAL PACKINGS; FLAX AND HYDRAULIC PACKINGS; STEAM HOSE, AIR HOSE AND WATER HOSE; RUBBER BELTING, LEATHER BELTING AND BALATA BELTING FOR POWER TRANSMISSION, ELEVATING AND CONVEYING PURPOSES; HIGH TEMPERATURE VALVE DISC PACKINGS; AND RING PACKINGS.

Claims use since January 1933.

Ser. No. 507,948. United States Rubber Company, New York, N. Y. Filed Aug. 23, 1946.

DIPLOMAT

FOR PNEUMATIC TIRES AND INNER TUBES FOR PNEUMATIC TIRES.
Claims use since June 28, 1946.

CLASS 36
MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 503,538. United Masters, Inc., New York, N. Y. Filed June 8, 1946.

unIQUe

FOR MECHANICALLY GROOVED PHONOGRAPH RECORDS.
Claims use since Apr. 27, 1946.

CLASS 37
PAPER AND STATIONERY

Ser. No. 499,647. Milprint, Inc., Milwaukee, Wis. Filed Apr. 4, 1946.

MILTEX

FOR PLASTIC COATED PRINTED AND UNPRINTED COVER PAPER FOR USE AS COVER FOR BEAUTY CASES, CATALOG CASES, DRESSING CASES, JEWEL BOXES, TRUNKS, BOOK BINDING, AND THE LIKE.
Claims use since Feb. 25, 1946.

Ser. No. 503,491. The Bates Manufacturing Company, Orange, N. J. Filed June 8, 1946.

PRESSALIST

FOR INDEX DEVICES OF THE TYPE COMPRISING A STACK OF SELECTIVELY SEPARABLE INDEXED SHEETS—NAMELY, INDEX DEVICES FOR TELEPHONE NUMBERS, NAMES, AND ADDRESSES.
Claims use since May 2, 1946.

Ser. No. 503,504. District of Columbia Paper Mills, Inc., Washington, D. C. Filed June 8, 1946.

CONGRESSIONAL

FOR BLOTTING PAPER, BOX COVER PAPER, COVER PAPERS, AND PRINTING PAPERS.
Claims use since November 1931.

CLASS 38
PRINTS AND PUBLICATIONS

Ser. No. 498,026. The Parents' Institute, Inc., New York, N. Y., assignor to Sweet Sixteen, Inc., New York, N. Y., a corporation of New York. Filed Mar. 11, 1946.

Sweet Sixteen

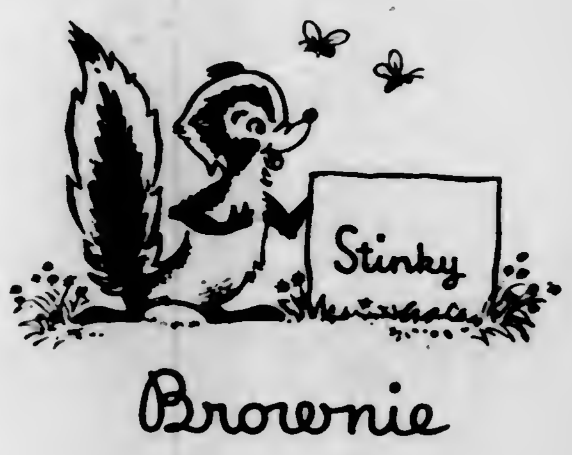
FOR MAGAZINE FOR GIRLS PUBLISHED EVERY OTHER MONTH.
Claims use since Jan. 21, 1946.

Ser. No. 498,297. McGraw-Hill Publishing Company, Inc., New York, N. Y. Filed Mar. 15, 1946.

Sales Signals

No claim is made to the word "Sales" apart from the mark.
FOR NEWS SERVICE PUBLICATION IN SHEET FORM PUBLISHED WEEKLY.
Claims use since Jan. 22, 1946.

Ser. No. 499,041. Brownie's Blockprints, Inc., New York, N. Y. Filed Mar. 27, 1946.



FOR GREETING CARDS.
Claims use since Feb. 1, 1944.

Ser. No. 500,684. Meredith Publishing Company, Des Moines, Iowa. Filed Apr. 22, 1946.

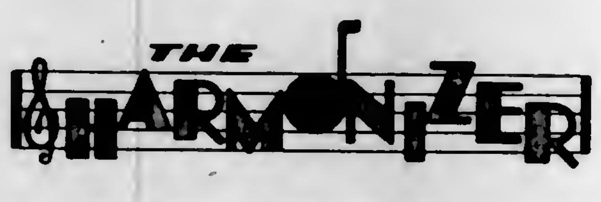
FOR MAGAZINE SECTION, ARCHITECTURAL PLANS, AND PAMPHLETS CONTAINING LISTS OF MATERIALS AND SPECIFICATIONS FOR HOUSES.
Claims use since Mar. 19, 1946.

Ser. No. 501,441. Consolidated Cosmetics, Chicago, Ill. Filed May 4, 1946.

TABU

FOR CALENDARS, PUBLICATIONS ISSUED FROM TIME TO TIME, BULLETINS, CHRISTMAS AND GREETING CARDS.
Claims use on calendars since Nov. 16, 1943; on publications issued from time to time since Apr. 30, 1946; on bulletins since Mar. 12, 1941; and on Christmas and greeting cards since Dec. 3, 1945.

Ser. No. 504,868. The Society for the Preservation and Encouragement of Barber Shop Quartet Singing in America, Inc., Chicago, Ill., and Detroit, Mich. Filed June 29, 1946.



The drawing is lined for the color red.
FOR MAGAZINE PUBLISHED PERIODICALLY.
Claims use since March 1943.

Ser. No. 505,728. Bleu Blanc Rouge Publications, Inc., New York, N. Y. Filed July 17, 1946.

MONDE UNI

FOR MAGAZINE PUBLISHED MONTHLY AND AT OTHER INTERVALS.
Claims use since Apr. 16, 1946.

Ser. No. 506,003. Business News Publishing Company, Detroit, Mich. Filed July 22, 1946.

The portrait shown as a part of the mark is merely fanciful.
FOR PRINTED BOOKS.
Claims use since Apr. 2, 1946.

Ser. No. 506,083. Archie Comic Publications, Inc., New York, N. Y., and St. Louis, Mo. Filed July 23, 1946.

PEP COMICS

The word "Comics" is disclaimed apart from the mark.
FOR MAGAZINE ISSUED QUARTERLY.
Claims use since Nov. 16, 1939.

Ser. No. 506,207. Sears, Roebuck and Co., Chicago, Ill. Filed July 24, 1946.

The PEOPLES CHOICE

FOR PERIODIC PUBLICATION OR CIRCULAR.
Claims use since July 27, 1943.

Ser. No. 506,248. The McNaught Syndicate, Inc., New York, N. Y. Filed July 25, 1946.

JUNE BRIDE

FOR COMIC STRIP APPEARING IN DAILY NEWSPAPERS.
Claims use since May 27, 1946.

Ser. No. 506,376. Robert H. Gobrecht, Mountainville, N. Y. Filed July 27, 1946.

SHUTTERBUG

FOR PHOTOGRAPHS.
Claims use since 1940.

CLASS 39

CLOTHING

Ser. No. 479,722. Patons & Baldwins Limited, Halifax, Yorkshire, England. Filed Feb. 12, 1945.

PATONISED

FOR KNITTED WOOL OUTER AND UNDER GARMENTS—NAMELY, FOR MEN: CARDIGANS, JERSEYS, WAISTCOATS, COATS, PULL-OVERS, SHIRTS, SWEATERS, BALACLAVA HELMETS, DRESSING GOWNS, PYJAMAS, COMBINATIONS (UNION SUITS), VESTS, PANTS, KNICKERS, JACKETS, FABRIC GLOVES, SCARVES, MITTENS, NECKTIES AND HOSIERY; FOR LADIES: BLOUSES, JUMPERS, CARDIGANS, JERSEYS, SPORT COATS, PULL-OVERS, SWEATERS, DRESSING GOWNS, DRESSING JACKETS, COATS, SKIRTS, SUITS, BODICES, BATHING COSTUMES, NIGHTDRESSES, PYJAMAS, KNICKERS, PETTICOATS, COMBINATIONS (UNION SUITS), VESTS, SPENCERS, HATS, CAPS, HOODS, MUFFLERS, SCARVES, FABRIC GLOVES, MITTENS, HOSIERY (INCLUDING ANKLE SOX), AND SLIPPERS COMPOSED OF LEATHER AND FABRIC; FOR CHILDREN: COATS, SUITS, FROCKS, JERSEYS, JUMPERS, ROMPERS, SKIRTS, JACKETS, SHAWLS, LEGGINGS, COMBINATIONS (UNION SUITS), KNICKERS, PETTICOATS, VESTS, PILCHES, BODY-BELTS, HOSIERY, HATS, BONNETS, BOOTEES, FABRIC GLOVES, BATHING COSTUMES, SCARVES, AND HOODS.

Claims use since June 13, 1944.

Ser. No. 507,210. Munsingwear, Inc., Minneapolis, Minn. Filed Aug. 10, 1946.

Sugar-Stripe

Applicant disclaims the right to the exclusive use of the word "Stripe" except in the combination shown.

FOR WOMEN'S NIGHTGOWNS.

Claims use since July 29, 1946.

Ser. No. 507,211. Munsingwear, Inc., Minneapolis, Minn. Filed Aug. 10, 1946.

Sugar-Check

Applicant disclaims the right to the exclusive use of the word "Check" except in the combination shown.

FOR WOMEN'S NIGHTGOWNS.

Claims use since July 29, 1946.

Ser. No. 508,100. Gustav Cohn, New York, N. Y. Filed Aug. 27, 1946.

GALA GAMINS

FOR MEN'S, WOMEN'S AND CHILDREN'S SLIPPERS.

Claims use since Dec. 3, 1945.

Ser. No. 509,041. Louis M. Sever, Los Angeles, Calif. Filed Sept. 13, 1946.

Dualottes

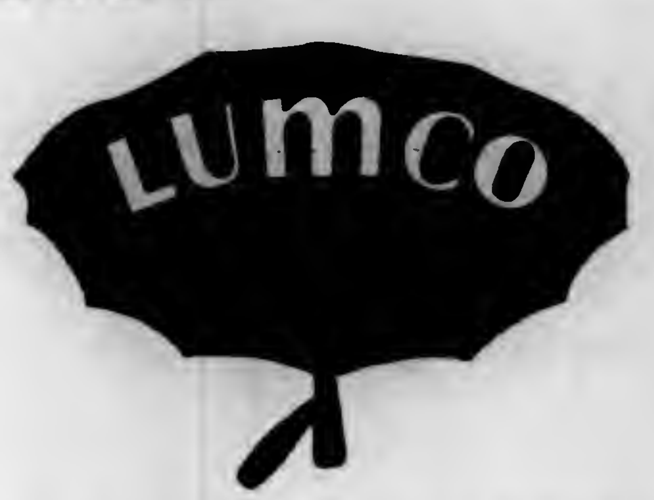
FOR CULOTTES.

Claims use since Aug. 19, 1946.

CLASS 41

CANES, PARASOLS, AND UMBRELLAS

Ser. No. 492,447. Lynn Umbrella Mfg. Co., Boston, Mass. Filed Nov. 30, 1945.



The representation of the umbrella is disclaimed apart from the mark.

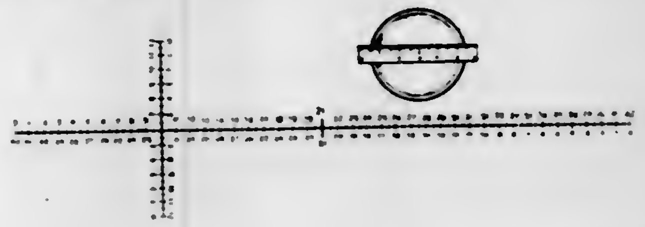
FOR UMBRELLAS.

Claims use since Sept. 15, 1945.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 487,323. Golden Rule Company, Dallas, Tex. Filed Aug. 20, 1945.



FOR CLOTH AND TEXTILE PIECE GOODS OF COTTON DRILL, COTTON MOLE SKIN AND RAYON.

Claims use since Aug. 1, 1945.

Ser. No. 493,544. General Linen Company, New York, N. Y. Filed Dec. 19, 1945.

GL

FOR TABLE CLOTHS, SHEETS, AND PILLOW CASES.

Claims use since March 1942.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 514,874. Abbott Laboratories, North Chicago, Ill. Filed Dec. 27, 1946.

ABBOFILE

No claim is made to the word "File" apart from the mark.

FOR IMPLEMENTS USED BY PHYSICIANS AND SURGEONS FOR FILING GLASS AMPOULES.

Claims use since Dec. 13, 1946.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 506,642. Y. H. Chalifoux, doing business as Hiya Beverages, Chicago, Ill. Filed Aug. 1, 1946.

Hiya

FOR NONALCOHOLIC, NONCEREAL, MALTLESS, CARBONATED AND NONCARBONATED BEVERAGES SOLD AS SOFT DRINKS AND SYRUPS, AND EXTRACTS FOR MAKING THE SAME.

Claims use since June 24, 1946.

Ser. No. 507,369. Canton Springs Ginger Ale Co., Canton, Conn. Filed Aug. 14, 1946.

CANTONOLA

FOR NON-ALCOHOLIC MALTLESS BEVERAGE SOLD AS A SOFT DRINK.

Claims use since Jan. 1, 1940.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 488,927. The Charles A. Peterson Company, Cleveland, Ohio. Filed Sept. 24, 1945.

Capco

FULL FLAVORED

The words "Full Flavored" are disclaimed apart from the mark.

FOR SHELLED EDIBLE NUTS; RAW OR SALTED.

Claims use since on or about Apr. 29, 1937.

Ser. No. 504,673. Irvindale Farms, Inc., Atlanta, Ga. Filed June 27, 1946.

MINNIE QUARTS

The word "Quarts" is disclaimed apart from the mark.

FOR FLUID MILK AND FLUID CREAM.

Claims use since Apr. 17, 1946.

Ser. No. 505,185. The D. L. Clark Company, Pittsburgh, Pa. Filed July 8, 1946.

ZIG ZAG

FOR CONFECTION CONSISTING OF POPCORN, PEANUTS, MOLASSES, AND SUGAR.

Claims use since Sept. 15, 1913.

Ser. No. 505,382. B & W Fruit Company, Inc., Groveland, Fla. Filed July 11, 1946.

FEE-FI-FO-FUM

FOR CANNED CITRUS JUICES.

Claims use since May 28, 1946.

Ser. No. 505,426. Joe Lowe Corporation, New York, N. Y. Filed July 11, 1946.

BOMBSICLE

FOR FROZEN CONFECTIONS AND LIQUID SYRUPS OR CONCENTRATES FOR MAKING THE SAME.

Claims use since Apr. 29, 1946, on frozen confections; and since May 9, 1946, on concentrates.

Ser. No. 505,428. Joe Lowe Corporation, New York, N. Y. Filed July 11, 1946.

SNAPSICLE

FOR FROZEN CONFECTIONS AND LIQUID SYRUPS OR CONCENTRATES FOR MAKING THE SAME.

Claims use since Apr. 29, 1946, on frozen confections; and since May 9, 1946, on concentrates.

Ser. No. 505,524. Schreiber Milling & Grain Co., St. Joseph, Mo. Filed July 12, 1946.

LASSY

FOR DOG FOOD COMPOSED OF WHEAT FLAKES, YELLOW CORN MEAL, FEEDING OAT MEAL, MEAT SCRAPS, SALT, CALCIUM CARBONATE, RIBOFLAVIN SUPPLEMENT AND VITAMIN A AND D FEEDING OIL.

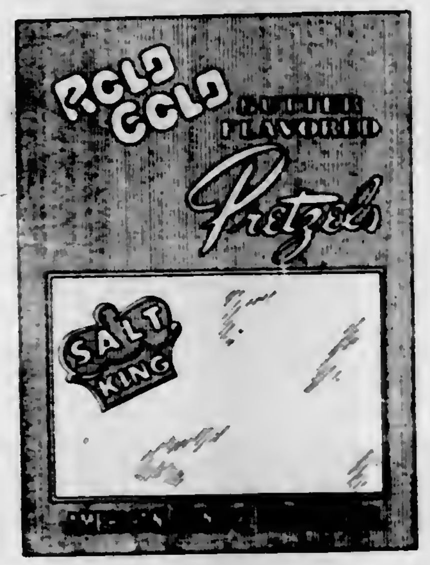
Claims use since Nov. 27, 1944.

Ser. No. 506,852. American Cone & Pretzel Company, Philadelphia, Pa. Filed Aug. 5, 1946.

SALT KING

No claim is made to the exclusive use of the word "Salt" per se apart from the mark.
FOR PRETZELS.
Claims use since May 13, 1946.

Ser. No. 506,853. American Cone & Pretzel Company, Philadelphia, Pa. Filed Aug. 5, 1946.



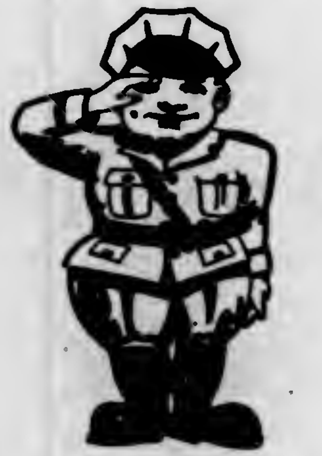
Applicant is the owner of Regs. 251,055, and 315,581. The drawing is lined to indicate the color red. No right of protection under the statute is claimed for the words "Butter Flavored Pretzels," "Salt" and "American Cone & Pretzel Co." per se apart from the mark shown.
FOR PRETZELS.
Claims use since June 1, 1917 on "Rold Gold"; and since May 13, 1946, as to the mark as a whole.

Ser. No. 507,762. Top Frost Foods, Inc., Philadelphia, Pa. Filed Aug. 21, 1946.

TOP FROST

Applicant disclaims the word "Frost" alone and apart from the mark.
FOR FRESH FROZEN APRICOTS, BLACKBERRIES, BOYSENBERRIES, BROCCOLI, BRUSSELS SPROUTS, CAULIFLOWER, CORN, GREEN BEANS, LIMA BEANS, LOGANBERRIES, MIXED VEGETABLES, PEAS, PEAS AND CARROTS, PEACHES, AND SPINACH.
Claims use since on or about May 3, 1946.

Ser. No. 508,508. Automatic Canteen Company of America, Chicago, Ill. Filed Sept. 5, 1946.



Applicant is owner of Trade-Mark Nos. 365,525 and 375,228. The trade-mark comprises an imaginary portrait of a service man.
FOR SANDWICHES.
Claims use since Feb. 18, 1946.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 499,195. Joseph E. Baker, Newark, Ohio. Filed Mar. 29, 1946.

Jeba

FOR TABLE PLACE MATS, BATH TUB MATS, KITCHEN SINK MATS, AND KITCHEN STOVE MATS, COMPOSED WHOLLY OR IN PART OF PLASTIC LAMINATES.
Claims use since Jan. 2, 1946.

Ser. No. 499,196. Basca Manufacturing Co., Inc., Indianapolis, Ind. Filed Mar. 29, 1946.

ECON-O-SEAL

Applicant disclaims the word "Seal" apart from the mark.
FOR MILK BOTTLE CAPS MADE OF ALUMINUM, OR ALUMINUM FOIL, OR THE LIKE.
Claims use since Jan. 27, 1946.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF FEBRUARY 20, 1905

APRIL 29, 1947

429,239. BOOTS, SHOES, AND SLIPPERS MADE OF LEATHER, FABRIC, OR RUBBER, OR COMBINATIONS THEREOF. Jowers, Holland & Co. Limited, Leicester, England.
Filed August 4, 1943. Serial No. 462,506. PUBLISHED FEBRUARY 11, 1947. Class 39.

429,240. VENDING MACHINES FOR ELECTRICALLY COOKING AND DISPENSING FOOD PRODUCTS. Automatic Canteen Company of America, Chicago, Ill.
Filed January 14, 1944. Serial No. 466,565. PUBLISHED FEBRUARY 11, 1947. Class 21.

429,241. PERMANENT HAIR WAVE LOTIONS. Samuel Bonat & Bro., New York, N. Y.
Filed May 19, 1944. Serial No. 470,403. PUBLISHED JUNE 12, 1945. Class 6.

429,242. BACTERIOSTATIC PREPARATIONS FOR THE TREATMENT OF CONGESTION IN THE MEMBRANES OF NOSE AND THROAT. Ormont Drug & Chemical Co., Inc., Long Island City, N. Y.
Filed June 14, 1944. Serial No. 471,231. PUBLISHED SEPTEMBER 26, 1944. Class 6.

429,243. INSULATING PAINTS, VARNISHES, LACQUERS, AND COATINGS FOR ELECTRICAL INSULATION. The Insl-X Company, Inc., Brooklyn, N. Y.
Filed July 8, 1944. Serial No. 472,005. PUBLISHED FEBRUARY 11, 1947. Class 21.

429,244. CHEMICALS—NAMELY, RUST PREVENTATIVE AND CORROSION PROTECTIVE MATERIALS FOR FERROUS METALS. June and Co., Detroit, Mich.
Filed August 25, 1944. Serial No. 473,604. PUBLISHED FEBRUARY 11, 1947. Class 6.

429,245. EAU DE COLOGNE. Gilvo Chemical Manufacturing Coy. (Gelbard), Melbourne, Victoria, Australia.
Filed September 19, 1944. Serial No. 474,377. PUBLISHED FEBRUARY 11, 1947. Class 6.

429,246. FLEXIBLE LAMINATED METAL FOIL AND PLASTIC FILM PRODUCT FOR WRAPPING AND PROTECTIVE COVERING PURPOSES. Plastic Film Corporation, New York, N. Y.
Filed December 2, 1944. Serial No. 477,162. PUBLISHED FEBRUARY 11, 1947. Class 50.

429,247. SOUND EQUIPMENT—NAMELY, AMPLIFIERS, INTERCOMMUNICATION SYSTEMS, SPEAKERS, AND MICROPHONES. David Bogen Company, Inc., New York, N. Y.
Filed January 1, 1945. Serial No. 478,107. PUBLISHED FEBRUARY 4, 1947. Class 21.

429,248. PORTABLE ELECTRIC TABLE COOKERS AND HEATING ELEMENTS THEREFOR. Moffats Limited, Weston, Ontario, Canada.
Filed February 2, 1945. Serial No. 479,354. PUBLISHED FEBRUARY 11, 1947. Class 21.

429,249. LIPSTICK, ROUGE, AND FACE POWDER. Kathleen Mary Quinlan, Inc., New York, N. Y.
Filed March 1, 1945. Serial No. 480,384. PUBLISHED JANUARY 21, 1947. Class 6.

429,250. MARINE AND POCKET CHRONOMETERS, POCKET WATCHES, AND WRIST WATCHES INCLUDING ALARM AND CALENDAR WATCHES. Ulysse Nardin, Société Anonyme, Chronometrie de Marine et de Poche, Le Locle, Switzerland.
Filed March 7, 1945. Serial No. 480,634. PUBLISHED FEBRUARY 4, 1947. Class 27.

429,251. PERFUMES, COLOGNES, DUSTING POWDER, AND SACHET POWDER. De Heriot, Inc., Los Angeles, Calif.
Filed April 9, 1945. Serial No. 481,884. PUBLISHED JANUARY 14, 1947. Class 6.

429,252. PIECE GOODS OF SYNTHETIC AND NATURAL FIBRES AND MIXTURES THEREOF, COMPRISING RAYON, COTTON, WOOL, OR SILK. Verney Fabrics Corporation, New York, N. Y.
Filed May 15, 1945. Serial No. 483,401. PUBLISHED FEBRUARY 11, 1947. Class 42.

429,253. SPRAY DRIED POWDERED MANGROVE EXTRACT FOR USE IN TANNING. Industrias Del Mangle, S. A., Bogota and Buenaventura, Colombia.
Filed May 29, 1945. Serial No. 483,903. PUBLISHED FEBRUARY 11, 1947. Class 6.

429,254. SHEET GLASS PRODUCTS IN THE FORM OF PLATE GLASS AND/OR WINDOW GLASS, UNLAMINATED, OR LAMINATED IN UNITS CONSISTING OF TWO OR MORE GLASS SHEETS WITH INTERVENING PLASTIC INTERLAYERS. Pittsburgh Plate Glass Company, Pittsburgh, Pa.
Filed June 5, 1945. Serial No. 484,179. PUBLISHED JANUARY 7, 1947. Class 33.

429,255. ELECTRIC VACUUM TUBES AND PARTS THEREOF; ELECTRONIC DEVICES—NAMELY, APPARATUS AND EQUIPMENT FOR GENERATING, ETC. Bernard Rice's Sons, Inc., New York, N. Y.
Filed June 20, 1945. Serial No. 484,802. PUBLISHED FEBRUARY 4, 1947. Class 21.

429,256. FINGER RINGS, EARRINGS, BRACELETS, LOCKETS, NECKLACES, ORNAMENTAL PINS, BROOCHES, NOVELTY AND COSTUME JEWELRY. H. Weinreich Company Inc., also known as H. Weinreich Co. Inc., Philadelphia, Pa.
Filed July 3, 1945. Serial No. 485,428. PUBLISHED FEBRUARY 11, 1947. Class 28.

429,257. AMMONIA, BLEACHING WATER, AND GLOSS STARCH. Rival Foods, Inc., Cambridge, Mass.
Filed July 10, 1945. Serial No. 485,651. PUBLISHED NOVEMBER 6, 1945. Class 6.

429,258. FINGER RINGS, EARRINGS, BRACELETS, LOCKETS, NECKLACES, ORNAMENTAL PINS, BROOCHES, NOVELTY AND COSTUME JEWELRY. H. Weinreich Company Inc., also known as H. Weinreich Co. Inc., Philadelphia, Pa.
Filed July 13, 1945. Serial No. 485,803. PUBLISHED FEBRUARY 11, 1947. Class 28.

429,259. UNFILLED COMPACTS OF PLASTIC MATERIAL. Babette A. Foster, doing business as Plastic Articles Company, New York, N. Y., assignor to Countess Mara, Inc., New York, N. Y., a corporation of New York.
Filed July 20, 1945. Serial No. 486,034. PUBLISHED OCTOBER 2, 1945. Class 2.

429,260. BRASSIÈRES. Allhi Products, Stratford, Conn.
Filed August 4, 1945. Serial No. 486,708. PUBLISHED DECEMBER 31, 1946. Class 39.

429,261. PERMANENT WAVE AND COLD WAVE CURLING AND HAIR SETTING PREPARATION AND SOLUTION, AND NEUTRALIZING PREPARATION ADAPTED FOR USE IN PRODUCING COLD WAVES FOR PERSONAL USE. Fraser Hair Fashions, St. Paul, Minn.
Filed August 6, 1945. Serial No. 486,760. PUBLISHED FEBRUARY 11, 1947. Class 6.

429,262. HAIR CREAM. Rhimy Products, Laurelton, Long Island, N. Y.
Filed August 18, 1945. Serial No. 487,278. PUBLISHED JANUARY 14, 1947. Class 6.

429,263. CHEMICALLY TREATED PADS FOR MACHINELESS PERMANENT WAVING. Balsam Permanent Wave Co., New York, N. Y.
Filed August 30, 1945. Serial No. 487,759. PUBLISHED MARCH 26, 1946. Class 6.

429,264. ELECTRICAL APPLIANCES—NAMELY, BREAD AND ROLL TOASTERS, WAFFLE IRONS, SANDWICH TOASTERS, VACUUM CLEANERS, ETC. Plymouth Wholesale Dry Goods Corporation, New York, N. Y.
Filed September 13, 1945. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 488,423. PUBLISHED FEBRUARY 4, 1947. Class 21.

429,265. COLOGNE, AFTER SHAVE POWDER, AND AFTER SHAVE LOTION. "42" Products, Ltd., doing business as Windsor House, Ltd., Los Angeles, Calif.
Filed September 21, 1945. Serial No. 488,808. PUBLISHED JULY 16, 1946. Class 6.

429,266. RESINOUS CHEMICAL COMPOSITION IN LIQUID AND SOLID FORM FOR IMPREGNATING, STRENGTHENING AND BINDING AGGREGATES, ETC. Libbey-Owens-Ford Glass Company, Toledo, Ohio.
Filed October 3, 1945. Serial No. 489,332. PUBLISHED FEBRUARY 11, 1947. Class 6.

429,267. INFLAMMABLE LIQUID FUEL FOR CIGAR AND CIGARETTE LIGHTERS, HAVING INCIDENTAL CLEANING PROPERTIES. Harry Gelke, Cincinnati, Ohio.
Filed October 6, 1945. Serial No. 489,508. PUBLISHED JANUARY 28, 1947. Class 6.

429,268. STERILE SURGICAL SPONGES MADE FROM SPECIALLY TREATED GELATIN. The Upjohn Company, Kalamazoo, Mich.
Filed October 8, 1945. Serial No. 489,625. PUBLISHED FEBRUARY 11, 1947. Class 6.

429,269. FABRICS OF SILK AND RAYON COMBINED. S. T. Palay Textile Corporation, New York, N. Y.
Filed October 10, 1945. Serial No. 489,754. PUBLISHED OCTOBER 22, 1946. Class 42.

429,270. CLOTHING PROTECTORS—NAMELY, APRONS, SLEEVES, LEGGINGS, AND BIBS OF PLASTIC COATED MATERIAL, ALL FOR WEAR BY INDUSTRIAL WORKERS. Associated Bag & Apron Co., Chicago, Ill.
Filed October 26, 1945. Serial No. 490,519. PUBLISHED FEBRUARY 11, 1947. Class 39.

429,271. TOILET PREPARATIONS—NAMELY, TALC OR TALCUM POWDER. Gordon Lane, Boston, Mass.
Filed October 26, 1945. Serial No. 490,539. PUBLISHED JANUARY 14, 1947. Class 6.

429,272. INSECTICIDES. Chandler R. Parsons, doing business as Parsons Chemical Works, Grand Ledge, Mich.
Filed October 29, 1945. Serial No. 490,692. PUBLISHED FEBRUARY 4, 1947. Class 6.

429,273. TONIC FOR STIMULATING THE GROWTH OF HAIR. Nichola Panoff, East Chicago, Ind.
Filed October 30, 1945. Serial No. 490,764. PUBLISHED JANUARY 14, 1947. Class 6.

429,274. CANDLES. Mack Miller Candle Company, Syracuse, N. Y.
Filed November 2, 1945. Serial No. 490,953. PUBLISHED FEBRUARY 11, 1947. Class 15.

429,275. WINDOW CURTAINS, DRAPES, SPREADS, CURTAIN, AND DRAPERY PIECE GOODS MADE FROM COTTON, RAYON, SILK, LINEN, AND MIXTURES THEREOF. House Beautiful Curtains Inc., New York, N. Y.
Filed November 3, 1945. Serial No. 491,011. PUBLISHED JANUARY 14, 1947. Class 42.

429,276. PREPARATIONS FOR USE AS AN EXPECTORANT AND FOR THE TREATMENT OF BRONCHITIS. Herman Berger, doing business as Standard Pharmaceutical Company, New York, N. Y.
Filed November 9, 1945. Serial No. 491,309. PUBLISHED JANUARY 14, 1947. Class 6.

429,277. CHEMICAL COMPOSITIONS FOR USE AS A PRIMER, SEALER AND FINISHING COAT FOR WOOD PRODUCTS. A. D. Chapman and Company, Inc., Chicago, Ill.
Filed November 14, 1945. Serial No. 491,545. PUBLISHED FEBRUARY 11, 1947. Class 6.

429,278. CHEMICALS FOR RENDERING WOOD WATER REPELLENT. A. D. Chapman and Company, Inc., Chicago, Ill.
Filed November 14, 1945. Serial No. 491,546. PUBLISHED JANUARY 21, 1947. Class 6.

429,279. SPANGLES AND SEQUINS. American Spangle Corp., New York, N. Y.
Filed November 15, 1945. Serial No. 491,609. PUBLISHED FEBRUARY 11, 1947. Class 40.

429,280. RADIO RECEIVING SETS, LOUD SPEAKERS, SOUND AMPLIFIERS, AND RADIO RECEIVING SETS USED IN COMBINATION WITH PHONOGRAPH RECORD ELECTRIC PICKUP ATTACHMENTS. The Hallicrafters Co., Chicago, Ill.
Filed November 21, 1945. Serial No. 491,973. PUBLISHED FEBRUARY 4, 1947. Class 21.

429,281. PAPER SHEETS TO BE USED AS FACIAL TISSUES AND FOR REMOVING LIP ROUGE. Champagne Paper Corporation, Pisgah Forest, N. C.
Filed November 24, 1945. Serial No. 492,129. PUBLISHED JUNE 11, 1946. Class 37.

429,282. POROUS CEMENTITIOUS ARTICLES, CAST OR MOLDED IN HOLLOW FORMS—NAMELY, PIPES, TUBES, AND LINERS, ETC. Frank J. Gelinas, Woonsocket, R. I.
Filed November 27, 1945. Serial No. 492,263. PUBLISHED FEBRUARY 11, 1947. Class 12.

429,283. PERFUMES, COLOGNES, TOILET WATERS, SKIN DRESSINGS, LIPSTICKS, ROUGES, FACE CREAMS, COSMETIC AND BATH OILS, AND FACE AND BODY DUSTING POWDERS. Parfums Schiaparelli, Inc., New York, N. Y.
Filed November 27, 1945. Serial No. 492,274. PUBLISHED JANUARY 21, 1947. Class 6.

429,284. SHEETS, FILMS, FOILS, RODS, TUBES, POWDERS, CHIPS, SLABS, BLANKS AND THE LIKE, ALL CAPABLE OF BEING MOLDED UNDER HEAT AND/OR PRESSURE OR OTHERWISE FABRICATED AND MADE IN WHOLE OR IN PART OF A CELLULOSIC PLASTIC. Celanese Corporation of America, New York, N. Y.
Filed November 30, 1945. Serial No. 492,427. PUBLISHED JULY 2, 1946. Class 1.

429,285. UMBRELLAS AND PARASOLS. Mortimer Altshuler, New York, N. Y.
Filed December 5, 1945. Serial No. 492,674. PUBLISHED FEBRUARY 11, 1947. Class 41.

429,286. PORTABLE FLUORESCENT BATTERY OPERATED LIGHTS. Paramount Industries, Inc., New York, N. Y.
Filed December 10, 1945. Serial No. 493,022. PUBLISHED FEBRUARY 11, 1947. Class 21.

429,287. PAPER TISSUES FOR USE IN SUBSTITUTION FOR FABRIC HANDKERCHIEFS, TOWELS, AND THE LIKE. Mitchell Kennerley, New York, N. Y.
Filed December 11, 1945. Serial No. 493,065. PUBLISHED FEBRUARY 11, 1947. Class 37.

429,288. PERFUME, FACE POWDER, BRILLIANTINE, LIPSTICK, ROUGE, LOTION FOR THE HANDS AND FACE, AND COLOGNE. Consolidated Cosmetics, Chicago, Ill.
Filed December 15, 1945. Serial No. 493,328. PUBLISHED MAY 14, 1946. Class 6.

429,289. BILLFOLDS, POCKETBOOKS, WALLETS, AND KEYCASES. A. & L. Seamon, Brooklyn, N. Y.
Filed December 17, 1945. Serial No. 493,460. PUBPUBLISHED FEBRUARY 11, 1947. Class 3.

429,290. MEN'S AND BOYS' TOPCOATS AND OVERCOATS ALL MADE OF MATERIAL OF WHICH ALPACA WOOL IS THE PREDOMINANT FIBRE. Jacob Siegel Company, Philadelphia, Pa.
Filed December 17, 1945. Serial No. 493,462. PUBLISHED FEBRUARY 11, 1947. Class 39.

429,291. TOILET WATER AND PERFUME. Marie Richelieu Parfum Odesant, Inc., New York, N. Y.
Filed December 18, 1945. Serial No. 493,515. PUBLISHED FEBRUARY 11, 1947. Class 6.

429,292. TABLETS CONTAINING CERTAIN DRUGS—NAMELY, THEOBROMINE AND PHENOBARBITAL, FOR TREATMENT UNDER DIRECTION OF A PHYSICIAN, IN CASES OF HEART AILMENT. Haack Bros. Manufacturing Pharmacists, Inc., Portland, Oreg.
Filed December 24, 1945. Serial No. 493,869. PUBLISHED JANUARY 14, 1947. Class 6.

429,293. PREPARATION FOR THE TREATMENT OF ATHLETE'S FOOT. D. T. Haynes Distributing Company, Burdine, Ky.
Filed January 2, 1946. Serial No. 404,185. PUBLISHED FEBRUARY 11, 1947. Class 6.

429,294. TOY GUITARS. E. & M. Refinishers, Corona, N. Y.
Filed January 5, 1946. Serial No. 494,315. PUBLISHED FEBRUARY 18, 1947. Class 22.

429,295. FILTERING TIPS FOR CIGARETTES, AND FOR BLANKS SOLD AS SUCH TO BE FORMED INTO TIPS BY THE USER. William J. Heiland, doing business under the name of Flavaroma Tip Company, New York, N. Y.
Filed January 9, 1946. Serial No. 494,503. PUBLISHED FEBRUARY 11, 1947. Class 8.

429,296. LADIES' SHOES OF LEATHER AND FABRIC. M. Wolf's Sons, Inc., Brooklyn, N. Y.
Filed January 11, 1946. Serial No. 494,643. PUBLISHED FEBRUARY 11, 1947. Class 39.

429,297. MOLDED UMBRELLA HANDLES. Molded Plastic Products, New York, N. Y.
Filed January 12, 1946. Serial No. 494,696. PUBLISHED FEBRUARY 11, 1947. Class 41.

429,298. MEDICINAL PREPARATION FOR USE IN THE TREATMENT OF CONSTIPATION. William R. Warner & Co., Inc., New York, N. Y.
Filed January 12, 1946. Serial No. 494,730. PUBLISHED JUNE 25, 1946. Class 6.

429,299. HEAT-EVAPORATIVE CHEMICAL SMOKE OR ODOR PRODUCING OR EMITTING SUBSTANCES AND CONTAINERS THEREFOR, ETC. Herbert W. Faus, New York, N. Y.
Filed January 14, 1946. Serial No. 494,742. PUBLISHED FEBRUARY 11, 1947. Class 6.

429,300. CIGARETTE DISPENSERS MADE OF MATERIALS OTHER THAN PRECIOUS OR SEMI-PRECIOUS METAL. Farley Sineath, New York, N. Y.
Filed January 18, 1946. Serial No. 494,981. PUBLISHED FEBRUARY 11, 1947. Class 8.

429,301. CHEMICAL PREPARATIONS—NAMELY, CHEMICALS CATALYTICALLY INFLUENCING THE RATE OF REACTIONS ADJACENT METAL SURFACES, FOR EXAMPLE, IN METAL MACHINING OPERATIONS. Invention Development Corporation, Chicago, Ill.
Filed January 23, 1946. Serial No. 495,239. PUBLISHED FEBRUARY 4, 1947. Class 6.

429,302. CHILDREN'S GARMENTS—NAMELY, OVERALLS, OUTER SHORTS, WASH SUITS, SLACKS, BLOUSES, PAJAMAS, AND JACKETS. Abraham Rosenbaum, doing business as National Manufacturing Company, Boston, Mass.
Filed January 23, 1946. Serial No. 495,258. PUBLISHED FEBRUARY 11, 1947. Class 39.

429,303. FARMYARD LIGHT CONTROL SYSTEM COMPRISED OF SWITCHES AND A RELAY. Floyd W. Thomson, doing business as Pyramid Electrical Manufacturing Co., Minneapolis, Minn.
Filed January 25, 1946. Serial No. 495,421. PUBLISHED FEBRUARY 4, 1947. Class 21.

429,304. PRESSING, SHAPING, AND DRYING FORMS AND RELATED APPLIANCES OF THE TYPE USED IN CLEANING, DYEING, AND PRESSING ESTABLISHMENTS. United States Hoffman Machinery Corporation, New York, N. Y.
Filed February 6, 1946. Serial No. 496,114. PUBLISHED FEBRUARY 4, 1947. Class 24.

429,305. ELECTRIC LAMPS. Raytheon Manufacturing Company, Newton, Mass.
Filed February 8, 1946. Serial No. 496,271. PUBLISHED FEBRUARY 4. 1947. Class 21.

429,306. ELECTRIC PHONOGRAPHS. Lincoln Electronics Corporation, New York, N. Y.
Filed February 16, 1946. Serial No. 496,719. PUBLISHED FEBRUARY 11, 1947. Class 21.

429,307. WOMEN'S DRESSES. Goldwasser Maternity Dresses Inc., New York, N. Y.
Filed February 20, 1946. Serial No. 496,957. PUBLISHED DECEMBER 31, 1946. Class 39.

429,308. CHEMICAL PREPARATIONS FOR DEODORIZING THE AIR, HUMAN AND ANIMAL BODIES; CHEMICAL PREPARATIONS FOR IMPROVING THE AIR, ETC. Commanditaire Vennootschap Chemische Fabriek Rids, Ijmuiden, Netherlands.
Filed February 28, 1946. Serial No. 497,370. PUBLISHED JANUARY 21, 1947. Class 6.

429,309. NAPHTHAS FOR USE AS INSECTICIDE BASE OILS AND AS SOLVENTS FOR CHEMICALS, MEDICINES AND PHARMACEUTICAL PREPARATIONS WHICH ARE SOLUBLE IN LIQUID HYDROCARBONS. Phillips Petroleum Company, Bartlesville, Okla.
Filed February 28, 1946. Serial No. 497,409. PUBLISHED FEBRUARY 11, 1947. Class 6.

429,310. MICROPHONES FOR BROADCASTING. Telex, Inc., Minneapolis, Minn.
Filed March 1, 1946. Serial No. 497,507. PUBLISHED FEBRUARY 11, 1947. Class 21.

429,311. BUILDING BRICK, FIRE BRICK, BLOCKS, SLABS, TILES, BUILDING STONES AND GRANULES OF CEMENTITIOUS MATERIAL, ETC. Internationella Siporex Aktiebolaget, Stockholm, Sweden.
Filed March 5, 1946. Serial No. 497,667. PUBLISHED FEBRUARY 11, 1947. Class 12.

429,312. MOLDED PLASTIC COMBS NOT MADE OF PRECIOUS METAL OR METALS AND NOT EMBOSSED WITH PRECIOUS STONES. Earl S. Tupper, doing business as Tupper Plastics, Farnumsville, Mass.
Filed March 11, 1946. Serial No. 498,039. PUBLISHED FEBRUARY 18, 1947. Class 40.

429,313. GARMENT HANGER. Leon H. Zeuthen, doing business as Zeuthen Mfg. Co., Minneapolis, Minn.
Filed March 11, 1946. Serial No. 498,048. PUBLISHED FEBRUARY 11, 1947. Class 50.

429,314. PERFUME, COLOGNE, TOILET WATER, COLOGNE DEODORANT, FACE CREAM, FACE POWDER, TALCUM POWDER, ETC. Alfred D. McKelvy, New York, N. Y.
Filed March 18, 1946. Serial No. 498,431. PUBLISHED FEBRUARY 11, 1947. Class 6.

429,315. MEDICINES HAVING GERMICIDAL, ANTIBACTERIAL, AND ANTISEPTIC PROPERTIES, USED BOTH INTERNALLY AND EXTERNALLY. Westbury Chemical Company, Inc., New York, N. Y.
Filed March 21, 1946. Serial No. 498,740. PUBLISHED FEBRUARY 4, 1947. Class 6.

429,316. QUICK DRYING SOLVENT FOR REMOVING WAX AND GREASE PRIOR TO PAINTING. Frank W. Paul, doing business as P & H Products, Memphis, Tenn.
Filed March 29, 1946. Serial No. 499,271. PUBLISHED JANUARY 21, 1947. Class 6.

429,317. PERFUME. Stephen E. Riley, doing business as Stephen Riley Company, Los Angeles, Calif.
Filed March 29, 1946. Serial No. 499,282. PUBLISHED FEBRUARY 11, 1947. Class 6.

429,318. LAXATIVE. The Senusol Company, Taunton, Mass.
Filed April 1, 1946. Serial No. 499,347. PUBLISHED FEBRUARY 4, 1947. Class 6.

429,319. SH COMPOUNDS OF SULFUR, AND COLLOIDAL SULFUR, AS A THERAPEUTIC FOR BURNS, SKIN INFECTIONS, ETC. Caliste V. Wilson, doing business as Cottie Wilson Laboratories, North Hollywood, Calif.
Filed April 1, 1946. Serial No. 499,453. PUBLISHED JANUARY 14, 1947. Class 6.

429,320. SKIN ASTRINGENT, MAKE-UP FOUNDATION, NAIL POLISH, EYE MASCARA, ROUGE, AND LIPSTICK. Harry Brode, Flushing, N. Y.
Filed April 2, 1946. Serial No. 499,481. PUBLISHED JANUARY 14, 1947. Class 6.

429,321. CHOLINE DIHYDROGEN CITRATE SOLUTION. Lederle Laboratories, Inc., New York, N. Y., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine.
Filed April 5, 1946. Serial No. 499,716. PUBLISHED FEBRUARY 4, 1947. Class 6.

429,322. METHANOL ANTIFREEZE. U. S. Industrial Chemicals, Inc., New York, N. Y.
Filed April 5, 1946. Serial No. 499,744. PUBLISHED FEBRUARY 4, 1947. Class 6.

429,323. MEDICINAL PREPARATIONS FOR TREATMENT OF ALL FORMS OF THE RHEUMATOID STATE INCLUDING RHEUMATISM, ETC. Dolcin Corporation, New York, N. Y.
Filed April 9, 1946. Serial No. 499,890. PUBLISHED JANUARY 14, 1947. Class 6.

429,324. ANTISEPTIC, FUNGICIDAL, AND ANALGESIC PREPARATION FOR EXTERNAL USE. Sharpe & Dohme, Incorporated, Philadelphia, Pa.
Filed April 12, 1946. Serial No. 500,136. PUBLISHED FEBRUARY 11, 1947. Class 6.

429,325. ACTIVE CHEMICAL INGREDIENT FOR USE IN THE MANUFACTURE OF INSECTICIDES. Hercules Powder Company, Wilmington, Del.
Filed April 16, 1946. Serial No. 500,303. PUBLISHED FEBRUARY 11, 1947. Class 6.

429,326. CLOTHES WASHING, DRYING, AND IRONING MACHINES AND PARTS THEREOF. Academy Award Products, Inc., New York, N. Y.
Filed April 17, 1946. Serial No. 500,351. PUBLISHED FEBRUARY 11, 1947. Class 24.

429,327. DOOR, SAFE, AUTOMOBILE, SASH, AND BAGGAGE LOCKS AND PADLOCKS. Academy Award Products, Inc., New York, N. Y.
Filed April 18, 1946. Serial No. 500,441. PUBLISHED FEBRUARY 11, 1947. Class 25.

429,328. WATCHES AND CLOCKS. Academy Award Products, Inc., New York, N. Y.
Filed April 18, 1946. Serial No. 500,442. PUBLISHED FEBRUARY 11, 1947. Class 27.

429,329. HAIR, WHISK, NAIL, HAND, AND HOUSEHOLD BRUSHES AND HOUSEHOLD DUSTERS. Academy Award Products, Inc., New York, N. Y.
Filed April 18, 1946. Serial No. 500,444. PUBLISHED FEBRUARY 11, 1947. Class 29.

429,330. CANES, UMBRELLAS, PARASOLS, STAFFS FOR SAME, AND FRAMES. Academy Award Products, Inc., New York, N. Y.
Filed April 18, 1946. Serial No. 500,451. PUBLISHED FEBRUARY 11, 1947. Class 41.

429,331. GLOVES MADE OF LEATHER, FABRIC, OR RUBBER, OR COMBINATIONS THEREOF. Century Glove Company, Newark, N. J.
Filed April 18, 1946. Serial No. 500,459. PUBLISHED FEBRUARY 11, 1947. Class 39.

429,332. MEDICINAL PREPARATION USED FOR HYPOCHROMIC ANEMIA. Endo Products Inc., New York, N. Y.
Filed April 18, 1946. Serial No. 500,466. PUBLISHED FEBRUARY 11, 1947. Class 6.

429,333. BACTERICIDE. Edw. Livingston & Sons, Kansas City, Mo.
Filed April 18, 1946. Serial No. 500,478. PUBLISHED FEBRUARY 11, 1947. Class 6.

429,334. WATER REPELLENT FINISH AND FABRIC SIZE FOR USE IN DRY CLEANING WITH PETROLEUM NAPHTHA SOLVENTS. Eaton-Clark Company, Detroit, Mich.
Filed April 19, 1946. Serial No. 500,530. PUBLISHED FEBRUARY 11, 1947. Class 6.

429,335. STORAGE BATTERIES OF THE TYPE USED IN MOTOR VEHICLES. Sun Oil Company, Philadelphia, Pa.
Filed April 19, 1946. Serial No. 500,584. PUBLISHED FEBRUARY 11, 1947. Class 21.

429,336. WEED KILLER. United States Rubber Company, New York, N. Y.
Filed April 20, 1946. Serial No. 500,637. PUBLISHED FEBRUARY 4, 1947. Class 6.

429,337. MEN'S AND BOYS' WORK PANTS, WORK SHIRTS, OVERALLS, LINED COATS, SPORTSWEAR—NAMELY, SLACKS, KNICKERS, ETC. Carwood Manufacturing Company, Winder, Ga.
Filed April 25, 1946. Serial No. 500,856. PUBLISHED DECEMBER 31, 1946. Class 39.

429,338. FABRICS IN THE PIECE, MADE OF COTTON, RAYON, WOOL, OR SILK, OR COMBINATIONS THEREOF. Lorraine Manufacturing Company, Pawtucket, R. I., and New York, N. Y.
Filed April 25, 1946. Serial No. 500,888. PUBLISHED FEBRUARY 11, 1947. Class 42.

429,339. PERFUMERY PRODUCTS AND TOILET PREPARATIONS — TO-WIT, PERFUME EXTRACTS, TOILET WATERS, ETC. Virginia Nicholson-Rogers, Memphis, Tenn.
Filed April 25, 1946. Serial No. 500,898. PUBLISHED FEBRUARY 11, 1947. Class 6.

429,340. PERFUMERY PRODUCTS AND TOILET PREPARATIONS — TO-WIT, PERFUME EXTRACTS, TOILET WATERS, ETC. Virginia Nicholson-Rogers, Memphis, Tenn.
Filed April 25, 1946. Serial No. 500,899. PUBLISHED FEBRUARY 11, 1947. Class 6.

429,341. LIQUID COMPOSITIONS TO BE ADDED TO GASOLINE AND LUBRICATING OILS TO EFFECT THE REMOVAL OF CARBON, ETC. Phil L. Siteman, doing business as The Cylube Co., St. Louis, Mo.
Filed April 25, 1946. Serial No. 500,907. PUBLISHED FEBRUARY 11, 1947. Class 6.

429,342. HIGH MOLECULAR WEIGHT AMINE ACETATE PRODUCTS DERIVED FROM CARBOXYLIC ACIDS. Armour and Company, Chicago, Ill.
Filed April 26, 1946. Serial No. 500,924. PUBLISHED FEBRUARY 11, 1947. Class 6.

429,343. HIGH MOLECULAR WEIGHT AMINE PRODUCTS DERIVED FROM CARBOXYLIC ACIDS, SAID PRODUCTS BEING USEFUL AS CHEMICALS BUT NOT AS MEDICINES. Armour and Company, Chicago, Ill.
Filed April 26, 1946. Serial No. 500,925. PUBLISHED FEBRUARY 11, 1947. Class 6.

429,344. HIGH MOLECULAR WEIGHT AMIDE PRODUCTS DERIVED FROM CARBOXYLIC ACIDS. Armour and Company, Chicago, Ill.
Filed April 26, 1946. Serial No. 500,926. PUBLISHED FEBRUARY 11, 1947. Class 6.

429,345. ORE FLOTATION REAGENTS. Armour and Company, Chicago, Ill.
Filed April 26, 1946. Serial No. 500,927. PUBLISHED FEBRUARY 11, 1947. Class 6.

429,346. HIGH MOLECULAR WEIGHT KETONE PRODUCTS DERIVED FROM CARBOXYLIC ACIDS. Armour and Company, Chicago, Ill.
Filed April 26, 1946. Serial No. 500,928. PUBLISHED FEBRUARY 11, 1947. Class 6.

429,347. HIGH MOLECULAR WEIGHT NITRILE PRODUCTS DERIVED FROM CARBOXYLIC ACIDS. Armour and Company, Chicago, Ill.
Filed April 26, 1946. Serial No. 500,930. PUBLISHED FEBRUARY 11, 1947. Class 6.

429,348. QUATERNARY AMMONIUM COMPOUNDS DERIVED FROM HIGH MOLECULAR WEIGHT CARBOXYLIC ACIDS. Armour and Company, Chicago, Ill.
Filed April 26, 1946. Serial No. 500,931. PUBLISHED FEBRUARY 11, 1947. Class 6.

429,349. MEDICINAL VITAMIN PREPARATIONS. Universal Vitamin Corporation, New York, N. Y.
Filed April 26, 1946. Serial No. 501,031. PUBLISHED FEBRUARY 4, 1947. Class 6.

429,350. MILLINERY BRAIDS. The American Glossite Company, Inc., New York, N. Y.
Filed April 30, 1946. Serial No. 501,151. PUBLISHED FEBRUARY 18, 1947. Class 40.

429,351. PREPARATION APPLIED EXTERNALLY AND USED FOR THE FOLLOWING PURPOSES, COLD IN THE HEAD, HEADACHE, LARYNGITIS, ASTHMA, ETC. Louis C. Brown, doing business as Kot-Cha Company, Sasakwa, Okla.
Filed April 30, 1946. Serial No. 501,162. PUBLISHED FEBRUARY 4, 1947. Class 6.

429,352. CLOCKS, WATCHES, AND PARTS THEREOF. The New Haven Clock Company, New Haven, Conn., assignor to New Haven Clock and Watch Company, New Haven, Conn., a corporation of Connecticut.
Filed May 1, 1946. Serial No. 501,264. PUBLISHED FEBRUARY 4, 1947. Class 27.

429,353. PERFUME, TOILET WATER, BATH POWDER, AND COLOGNE. Parfums Corday, Inc., New York, N. Y.
Filed May 2, 1946. Serial No. 501,335. PUBLISHED JANUARY 14, 1947. Class 6.

429,354. ANTISEPTIC AQUEOUS SOLUTIONS OR SUSPENSIONS FOR THE TREATMENT OF RESPIRATORY DISEASES, WOUNDS, ULCERS, AND THE LIKE. William Basil Thompson, doing business as International Chemicals, Arlington, Va.
Filed May 2, 1946. Serial No. 501,348. PUBLISHED JANUARY 14, 1947. Class 6.

429,355. OPACIFIERS FOR VITREOUS ENAMELS. Porcelain Sales Company, Belleville, Ill.
Filed May 3, 1946. Serial No. 501,405. PUBLISHED FEBRUARY 4, 1947. Class 6.

429,356. LIPSTICKS. Lehn & Fink Products Corporation, Bloomfield, N. J.
Filed May 4, 1946. Serial No. 501,461. PUBLISHED JANUARY 14, 1947. Class 6.

429,357. CREAMED CAKE MAKEUP. Parfait, Incorporated, Chicago, Ill.
Filed May 4, 1946. Serial No. 501,471. PUBLISHED JANUARY 28, 1947. Class 6.

429,358. VITAMIN AND MINERAL PREPARATION FOR METABOLIC DEFICIENCY THERAPY. Sharp & Dohme, Incorporated, Philadelphia, Pa.
Filed May 4, 1946. Serial No. 501,478. PUBLISHED JANUARY 14, 1947. Class 6.

429,359. CIGARS, SMOKING TOBACCO, CIGARETTES, CHEWING TOBACCO, AND SNUFF. Schroer Brothers, Louisville, Ky.
Filed May 6, 1946. Serial No. 501,539. PUBLISHED FEBRUARY 11, 1947. Class 17.

429,360. INSULATING MATERIAL APPLIED BY EXTRUSION OR BY THE STRIP METHOD AS INSULATION FOR ELECTRICAL CONDUCTORS. The Okonite Company, Passaic, N. J.
Filed May 7, 1946. Serial No. 501,586. PUBLISHED FEBRUARY 4, 1947. Class 21.

429,361. INSULATING MATERIAL APPLIED BY EXTRUSION OR BY THE STRIP METHOD AS INSULATION FOR ELECTRICAL CONDUCTORS. The Okonite Company, Passaic, N. J.
Filed May 7, 1946. Serial No. 501,587. PUBLISHED FEBRUARY 4, 1947. Class 21.

429,362. CHEMICAL PREPARATION FOR REPELLING ANIMALS AND INSECTS. E. L. Eckerley, Hamilton, Ind.
Filed May 8, 1946. Serial No. 501,650. PUBLISHED FEBRUARY 4, 1947. Class 6.

429,363. MEN'S HATS. Adam Hat Stores Inc., New York, N. Y.
Filed May 9, 1946. Serial No. 501,704. PUBLISHED FEBRUARY 11, 1947. Class 39.

429,364. FACE POWDER, ROUGE, AND LIPSTICK. Golden Arrow Toiletries. New York, N. Y.
Filed May 9, 1946. Serial No. 501,732. PUBLISHED FEBRUARY 4, 1947. Class 6.

429,365. DOLLS. Roger de Vries, Buenos Aires, Argentina.
Filed May 10, 1946. Serial No. 501,832. PUBLISHED DECEMBER 3, 1946. Class 22.

429,366. CHEMICAL COMPOUNDS FOR ALL CLEANSING AND WASHING PURPOSES, PARTICULARLY FOR USE IN GARAGES, ETC. Oakite Products, Inc., New York, N. Y.
Filed May 10, 1946. Serial No. 501,866. PUBLISHED FEBRUARY 11, 1947. Class 6.

429,367. BLOOD CLOTTING PREPARATION FOR USE IN DENTISTRY. Sharp & Dohme, Incorporated, Philadelphia, Pa.
Filed May 10, 1946. Serial No. 501,875. PUBLISHED JANUARY 21, 1947. Class 6.

429,368. PREPARATION OF THE TREATMENT OF THE HAIR AND SCALP. Robert H. Van Sant, Alexandria, Va.
Filed May 10, 1946. Serial No. 501,886. PUBLISHED FEBRUARY 11, 1947. Class 6.

429,369. LAXATIVES. Professional Nutrition Products, Inc., New York, N. Y.
Filed May 11, 1946. Serial No. 501,926. PUBLISHED FEBRUARY 11, 1947. Class 6.

429,370. NATURAL VITAMIN B COMPLEX PRODUCTS—NAMELY, YEAST, LIVER, CEREALS, CONCENTRATES AND EXTRACTS THEREOF. Professional Nutrition Products, Inc., New York, N. Y.
Filed May 11, 1946. Serial No. 501,927. PUBLISHED FEBRUARY 11, 1947. Class 6.

429,371. VITAMIN PREPARATION. Sharp & Dohme, Incorporated, Philadelphia, Pa.
Filed May 11, 1946. Serial No. 501,931. PUBLISHED FEBRUARY 11, 1947. Class 6.

429,372. PRECISION OPTICAL INSTRUMENTS USED FOR RE-LOCATING PROVEN FISHING GROUNDS. National Sales, Inc., Minneapolis, Minn.
Filed May 13, 1946. Serial No. 502,001. PUBLISHED FEBRUARY 11, 1947. Class 26.

429,373. ELECTRIC WELDING MACHINES. Resistance Welder Corporation, Bay City, Mich.
Filed May 13, 1946. Serial No. 502,010. PUBLISHED FEBRUARY 4, 1947. Class 21.

429,374. ELECTRIC CLOCKS. Sheffield Instrument Corporation, Glendale, Calif.
Filed May 13, 1946. Serial No. 502,017. PUBLISHED FEBRUARY 4, 1947. Class 27.

429,375. COVERINGS IN THE NATURE OF A COMBINATION OF TREATED FABRIC AND PAPER ADAPTED TO BE USED UPON WALLS AND OTHER SURFACES. United Wallpaper, Inc., Chicago, Ill.
Filed May 13, 1946. Serial No. 502,041. PUBLISHED FEBRUARY 4, 1947. Class 20.

429,376. ELECTRIC BROILING APPARATUS FOR FOOD PRODUCTS IN THE NATURE OF AN ELECTRIC BROILER FOR USE IN HOMES AND RESTAURANTS. Robert R. Silverman, Monticello, N. Y.
Filed May 14, 1946. Serial No. 502,081. PUBLISHED FEBRUARY 4, 1947. Class 21.

429,377. ELECTRIC LOUDSPEAKERS AND PARTS THEREFOR. University Loudspeakers, Inc., New York, N. Y.
Filed May 14, 1946. Serial No. 502,091. PUBLISHED FEBRUARY 4, 1947. Class 21.

429,378. WOOLEN AND WORSTED PIECE GOODS. Anglo Fabrics Company, Inc., New York, N. Y.
Filed May 15, 1946. Serial No. 502,102. PUBLISHED FEBRUARY 11, 1947. Class 42.

429,379. WOOLEN AND WORSTED PIECE GOODS. Anglo Fabrics Company, Inc., New York, N. Y.
Filed May 15, 1946. Serial No. 502,103. PUBLISHED FEBRUARY 11, 1947. Class 42.

429,380. WOOLEN OR WORSTED PIECE GOODS. Anglo Fabrics Company, Inc., New York, N. Y.
Filed May 15, 1946. Serial No. 502,105. PUBLISHED FEBRUARY 11, 1947. Class 42.

429,381. WOOL YARN. John Dritz & Sons, New York, N. Y.
Filed May 15, 1946. Serial No. 502,127. PUBLISHED FEBRUARY 11, 1947. Class 43.

429,382. ELECTRIC BROILERS. Newark Appliance Corporation, Inc., Newark, N. J.
Filed May 16, 1946. Serial No. 502,231. PUBLISHED FEBRUARY 11, 1947. Class 21.

429,383. FACE POWDER, DUSTING POWDER, TOILET WATER, PERFUME, SUNTAN OIL, SKIN AND HAIR LOTIONS, ETC. Coty, Inc., New York, N. Y.
Filed May 17, 1946. Serial No. 502,277. PUBLISHED JANUARY 21, 1947. Class 6.

429,384. SHOES, MADE OF LEATHER, RUBBER FABRIC, AND/OR A COMBINATION OF THESE MATERIALS. The Gilbert Shoe Co., Thiensville, Wis.
Filed May 17, 1946. Ser. No. 502,286. PUBLISHED FEBRUARY 11, 1947. Class 39.

429,385. STRAIN RELIEF BUSHINGS FOR ELECTRICAL CONDUCTORS AND CABLES, ELECTRICAL HEATER PLUG CONTACTS, ETC. Heyman Manufacturing Company, Kenilworth, N. J.
Filed May 17, 1946. Serial No. 502,295. PUBLISHED FEBRUARY 4, 1947. Class 21.

429,386. CAMERA SUPPORTING DEVICES, PICTURE HOLDERS, PICTURE VIEWERS, AND COLOR PICTURES. Radex Stereo Company, Los Angeles, Calif.
Filed May 17, 1946. Serial No. 502,331. PUBLISHED FEBRUARY 11, 1947. Class 26.

429,387. ELECTRICAL PROTECTIVE COATINGS USED ON ELECTROPLATING RACKS AND TANKS. Michigan Chrome & Chemical Company, Detroit, Mich.
Filed May 17, 1946. Serial No. 502,313. PUBLISHED FEBRUARY 4, 1947. Class 21.

429,388. CHEMICAL PREPARATION FOR USE AS A DISINFECTANT, DEODORANT, AND ANTISEPTIC CLEANER. J. W. Spencer, doing business as Consolidated Drug Company, successor to Consolidated Drug Corporation, New Orleans, La.
Filed May 17, 1946. Serial No. 502,341. PUBLISHED JANUARY 21, 1947. Class 6.

429,389. NITROGEN. The Linde Air Products Company, New York, N. Y.
Filed May 20, 1946. Serial No. 502,442. PUBLISHED FEBRUARY 4, 1947. Class 6.

429,390. TOY ADDING MACHINES. Lee Ratner, Chicago, Ill.
Filed May 20, 1946. Serial No. 502,456. PUBLISHED FEBRUARY 18, 1947. Class 22.

429,391. FINGER RINGS, EARRINGS, JEWELRY CLIPS, BROOCHES, AND THE FOLLOWING GOODS, ETC. Coro, Inc., New York, N. Y.
Filed May 21, 1946. Serial No. 502,494. PUBLISHED DECEMBER 31, 1946. Class 28.

429,392. ELECTRIC ROOM HEATERS WITH OR WITHOUT ENFORCED AIR CIRCULATION MEANS, PORTABLE ELECTRIC FAN AND HEATER COMBINATIONS, ETC. Mimar Products, Inc., Brooklyn, N. Y.
Filed May 21, 1946. Serial No. 502,525. PUBLISHED FEBRUARY 4, 1947. Class 21.

429,393. ELECTRIC ROOM HEATERS WITH OR WITHOUT ENFORCED AIR CIRCULATION MEANS, PORTABLE ELECTRIC FAN AND HEATER COMBINATIONS, ETC. Mimar Products, Inc., Brooklyn, N. Y.
Filed May 21, 1946. Serial No. 502,526. PUBLISHED FEBRUARY 4, 1947. Class 21.

429,394. HAIR TONIC. Harry Pizzo, Havre de Grace, Md.
Filed May 21, 1946. Serial No. 502,531. PUBLISHED JANUARY 21, 1947. Class 6.

429,395. HANDBAGS, PURSES, WALLETS, TRUNKS, BRIEF CASES, SUIT CASES, SATCHELS, FITTED TRAVELING CASES, AND POCKETBOOKS. Shetland Sales Company, Inc., New York, N. Y.
Filed May 21, 1946. Serial No. 502,537. PUBLISHED FEBRUARY 11, 1947. Class 3.

429,396. SLIPS, HOUSECOATS, BLOUSES, PYJAMAS, NIGHTGOWNS, BEDJACKETS, PANTIES, PETTICOATS, DRESSES, PLAYSUITS, SLEEP-COATS, ROBES, FOR WOMEN, AND CHILDREN; AND INFANTS' DRESSES AND SUITS. Eastern Isles Importing Co. Inc., New York, N. Y.
Filed May 22, 1946. Serial No. 502,565. PUBLISHED DECEMBER 31, 1946. Class 39.

429,397. LUMBER AND WOOD CONSTRUCTION MATERIALS—NAMELY, PLYWOOD, AND LAMINATED MATERIAL USING WOOD OR VENEER AS ONE OR MORE PLIES. United States Plywood Corporation, New York, N. Y.
Filed May 22, 1946. Serial No. 502,599. PUBLISHED FEBRUARY 11, 1947. Class 12.

429,398. CROCHET HOOKS AND KNITTING NEEDLES FOR HAND USE. C. J. Bates & Son, Chester, Conn.
Filed May 23, 1946. Serial No. 502,618. PUBLISHED FEBRUARY 18, 1947. Class 40.

429,399. RUBBING ALCOHOL COMPOUNDS. The McCambridge & McCambridge Co., Baltimore, Md.
Filed May 23, 1946. Serial No. 502,651. PUBLISHED JANUARY 21, 1947. Class 6.

429,400. LAUNDRY MACHINES—NAMELY, DOMESTIC ELECTRIC WASHING MACHINES, AND DOMESTIC ELECTRIC DRYING MACHINES. Nineteen Hundred Corporation, St. Joseph, Mich.
Filed May 23, 1946. Serial No. 502,659. PUBLISHED FEBRUARY 11, 1947. Class 24.

429,401. AUTOMATICALLY CONTROLLED COAL BURNING HEAT GENERATOR FOR USE IN CURING TOBACCO. L. G. Briggs, Raleigh, N. C.
Filed May 24, 1946. Serial No. 502,684. PUBLISHED FEBRUARY 11, 1947. Class 34.

429,402. PAIN RELIEVING SOLUTION. Louis C. Markowitz, doing business as L. C. Marko Co., San Diego, Calif.
Filed May 27, 1946. Serial No. 502,829. PUBLISHED JANUARY 28, 1947. Class 6.

429,403. STERLING SILVER AND SILVERPLATED FLATWARE, HOLLOWWARE, AND CUTLERY. The Alvin Corporation, Providence, R. I.
Filed May 31, 1946. Serial No. 503,036. PUBLISHED FEBRUARY 11, 1947. Class 28.

429,404. STERLING SILVER AND SILVERPLATED FLATWARE, HOLLOWWARE, AND CUTLERY. The Alvin Corporation, Providence, R. I.
Filed May 31, 1946. Serial No. 503,037. PUBLISHED FEBRUARY 11, 1947. Class 28.

429,405. STERLING SILVER AND SILVERPLATED FLATWARE, HOLLOWWARE, AND CUTLERY. The Alvin Corporation, Providence, R. I.
Filed May 31, 1946. Serial No. 503,040. PUBLISHED FEBRUARY 11, 1947. Class 28.

429,406. PARASITICIDES. General Chemical Company, New York, N. Y.
Filed May 31, 1946. Serial No. 503,075. PUBLISHED FEBRUARY 11, 1947. Class 6.

429,407. STERLING SILVER AND SILVERPLATED FLATWARE, HOLLOWWARE, AND CUTLERY. Gorham Manufacturing Company, Providence, R. I.
Filed May 31, 1946. Serial No. 503,078. PUBLISHED FEBRUARY 11, 1947. Class 28.

429,408. STERLING SILVER AND SILVERPLATED FLATWARE, HOLLOWWARE, AND CUTLERY. Gorham Manufacturing Company, Providence, R. I.
Filed May 31, 1946. Serial No. 503,079. PUBLISHED FEBRUARY 11, 1947. Class 28.

429,409. STERLING SILVER AND SILVERPLATED FLATWARE, HOLLOWWARE, AND CUTLERY. Gorham Manufacturing Company, Providence, R. I.
Filed May 31, 1946. Serial No. 503,084. PUBLISHED FEBRUARY 11, 1947. Class 28.

429,410. STERLING SILVER AND SILVERPLATED FLATWARE, HOLLOWWARE, AND CUTLERY. Gorham Manufacturing Company, Providence, R. I.
Filed May 31, 1946. Serial No. 503,087. PUBLISHED FEBRUARY 11, 1947. Class 28.

429,411. STERLING SILVER AND SILVERPLATED FLATWARE, HOLLOWWARE, AND CUTLERY. Gorham Manufacturing Company, Providence, R. I.
Filed May 31, 1946. Serial No. 503,088. PUBLISHED FEBRUARY 11, 1947. Class 28.

429,412. PERFUME AND TOILET WATER. McKesson & Robbins, Incorporated, New York, N. Y.
Filed May 31, 1946. Serial No. 503,110. PUBLISHED FEBRUARY 11, 1947. Class 6.

429,413. ACIDS FOR INDUSTRIAL USE. The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa.
Filed May 31, 1946. Serial No. 503,118. PUBLISHED FEBRUARY 11, 1947. Class 6.

429,414. INSECTICIDES. The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa.
Filed May 31, 1946. Serial No. 503,119. PUBLISHED FEBRUARY 11, 1947. Class 6.

429,415. MOISTURE-PROOF, TREATED PAPER PROVIDED WITH AN IMPERVIOUS COATING OR FILM, OR CONSISTING OF SINGLE IMPREGNATED SHEETS, ETC. Protective Coatings Corporation, Belleville, N. J.
Filed May 31, 1946. Serial No. 503,129. PUBLISHED FEBRUARY 18, 1947. Class 37.

429,416. APPARATUS FOR TESTING PHOTOGRAPHIC EXPOSURE OF A LIGHT-SENSITIVE PAPER COMPRISING HOLDERS, ETC. Ciné Pro Corporation, New York, N. Y.
Filed June 1, 1946. Serial No. 503,158. PUBLISHED FEBRUARY 11, 1947. Class 26.

429,417. CIGARETTES. Lappu Lau, doing business as Lowes Tobacco Co., San Francisco, Calif.
Filed June 3, 1946. Serial No. 503,208. PUBLISHED FEBRUARY 18, 1947. Class 17.

429,418. WATCHES AND PARTS OF WATCHES. Ditisheim & Cie. Fabriques Vulcain et Volta, La Chaux-de-Fonds, Switzerland.
Filed June 4, 1946. Serial No. 503,246. PUBLISHED FEBRUARY 11, 1947. Class 27.

429,419. LIQUID SKIN CLEANSER, LIQUID MAKE-UP FOUNDATION, NIGHT EMOLLIENT, PERSONAL DEODORANT LOTION, FACE POWDER, ROUGE, AND LIPSTICK. William F. Zimmerman, New York, N. Y.
Filed June 5, 1946. Serial No. 503,337. PUBLISHED FEBRUARY 4, 1947. Class 6.

429,420. PERFUMES. Parfums Barroche, Inc., New York, N. Y.
Filed June 6, 1946. Serial No. 503,384. PUBLISHED FEBRUARY 4, 1947. Class 6.

429,421. LIPSTICK, ROUGE, FACE POWDER, FACE CREAM, AND HAIR OIL. Delettrez, Inc., Long Island City, N. Y.
Filed June 7, 1946. Serial No. 503,432. PUBLISHED JANUARY 21, 1947. Class 6.

429,422. EMBLEM JEWELRY—NAMELY, FINGER RINGS AND PINS MADE OF PRECIOUS OR SEMI-PRECIOUS METAL. Herff-Jones Company, Indianapolis, Ind.
Filed June 7, 1946. Serial No. 503,443. PUBLISHED FEBRUARY 11, 1947. Class 28.

429,423. TOILET WATER. Bergère, Inc., New York, N. Y.
Filed June 8, 1946. Serial No. 503,494. PUBLISHED FEBRUARY 4, 1947. Class 6.

429,424. PREPARATION FOR THE TREATMENT OF RHEUMATIC FEVER, RHEUMATOID ARTHRITIS, NEURALGIA, ETC. Fellows Medical Manufacfacturing Company, Inc., New York, N. Y.
Filed June 8, 1946. Serial No. 503,509. PUBLISHED FEBRUARY 11, 1947. Class 6.

429,425. JEWELRY FOR PERSONAL WEAR, NOT INCLUDING WATCHES. Arle Jewel, Inc., Atlanta, Ga.

Filed June 10, 1946. Serial No. 503,545. PUBLISHED FEBRUARY 11, 1947. Class 28.

429,426. ANTACID-ADSORBENT PREPARATION. Drew Pharmacal Co., Inc., New York, N. Y.

Filed June 10, 1946. Serial No. 503,560. PUBLISHED FEBRUARY 11, 1947. Class 6.

429,427. FUEL OIL BURNERS. Automatic Burner Corporation, Chicago, Ill.

Filed June 12, 1946. Serial No. 503,695. PUBLISHED FEBRUARY 11, 1947. Class 34.

429,428. PARASOLS AND UMBRELLAS. Consolidated Cosmetics, Chicago, Ill.

Filed June 13, 1946. Serial No. 503,802. PUBLISHED FEBRUARY 18, 1947. Class 41.

429,429. COTTON THREAD, SILK THREAD, AND KNITTING WOOL. Consolidated Cosmetics, Chicago, Ill.

Filed June 13, 1946. Serial No. 503,803. PUBLISHED FEBRUARY 18, 1947. Class 43.

429,430. LIPSTICKS. Lehn & Fink Products Corporation, Bloomfield, N. J.

Filed June 14, 1946. Serial No. 503,916. PUBLISHED JANUARY 21, 1947. Class 6.

429,431. NON-PRECIOUS COSTUME JEWELRY, MADE OF PRECIOUS OR SEMI-PRECIOUS METAL AND SIMULATED PEARLS. Alma Rand, doing business as La Traviata Jewelry Co., New York, N. Y.

Filed June 14, 1946. Serial No. 503,940. PUBLISHED FEBRUARY 11, 1947. Class 28.

429,432. LIPSTICK AND ROUGE. Affiliated Products, Inc., New York, N. Y.

Filed June 15, 1946. Serial No. 503,963. PUBLISHED FEBRUARY 11, 1947. Class 6.

429,433. FINGER RINGS AND RING MOUNTINGS. Waxman Incorporated, Cincinnati, Ohio.

Filed June 18, 1946. Serial No. 504,139. PUBLISHED FEBRUARY 11, 1947. Class 28.

429,434. GAGING INSTRUMENTS AND PARTS THEREOF—NAMELY, COMPARATOR AND INDICATING GAGES FOR DIMENSIONAL MEASUREMENTS. The Sheffield Corporation, Dayton, Ohio.

Filed June 20, 1946. Serial No. 504,299. PUBLISHED FEBRUARY 11, 1947. Class 26.

429,435. YARNS AND THREAD. James Gibbons, Dublin, Eire.

Filed June 21, 1946. Serial No. 504,355. PUBLISHED FEBRUARY 18, 1947. Class 43.

429,436. ORNAMENTAL PINS, BROOCHES, EARRINGS, FINGER RINGS, COSTUME JEWELRY, AND NECKLACES. Associated Products, Inc., Chicago, Ill.

Filed June 22, 1946. Serial No. 504,418. PUBLISHED FEBRUARY 11, 1947. Class 28.

429,437. CIGARETTE AND PIPE LIGHTERS OF THE CATALYTIC TYPE HAVING AN ANODIZED ALUMINUM CASING AND CAP WITH A FLASH PLATING OF GOLD. Lektrolite Corporation, New York, N. Y.

Filed June 22, 1946. Serial No. 504,442. PUBLISHED FEBRUARY 4, 1947. Class 28.

429,438. STORAGE BATTERIES. Atlas Supply Company, Newark, N. J.

Filed June 24, 1946. Serial No. 504,465. PUBLISHED FEBRUARY 11, 1947. Class 21.

429,439. PHOTOGRAPHIC SENSITIZED PAPER AND CONTACT PRINTER, AND PRINTING FRAMES. Devolite Corporation, New York, N. Y.

Filed June 26, 1946. Serial No. 504,607. PUBLISHED FEBRUARY 18, 1947. Class 26.

429,440. MONOFILAMENTS MADE FROM VINYL RESINS AND MONOFILAMENTS MADE FROM POLYMERIC VINYLIDENE CHLORIDE AND COPOLYMERS THEREOF DESIGNED FOR A VARIETY OF NON-ASSOCIATED USES. The Visking Corporation, Chicago, Ill.

Filed June 26, 1946. Serial No. 504,649. PUBLISHED FEBRUARY 18, 1947. Class 1.

429,441. VITAMIN SEDATIVE. King Drug Co., also doing business as Roy T. King, Ph. C., Montgomery, Ala.

Filed June 27, 1946. Serial No. 504,675. PUBLISHED FEBRUARY 11, 1947. Class 6.

429,442. WALLPAPER, WRITING PAPER, NOTE PAPER, CORRESPONDENCE CARDS, WRITING PADS AND ENVELOPES. Plymouth Wholesale Dry Goods Corporation, New York, N. Y.

Filed June 27, 1946. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 504,698. PUBLISHED FEBRUARY 18, 1947. Class 37.

429,443. WATCHES AND CLOCKS, BOTH CASED AND UNCASED, AND PARTS THEREFOR. The United States Time Corporation, Waterbury, Conn.

Filed June 28, 1946. Serial No. 504,804. PUBLISHED FEBRUARY 4, 1947. Class 27.

429,444. PORTABLE IRONING BOARDS. Mil-Roy Manufacturing Company, Maywood, Calif.

Filed June 29, 1946. Serial No. 504,856. PUBLISHED FEBRUARY 11, 1947. Class 24.

429,445. MARINE SPEEDOMETERS. Olympic Instrument Laboratories, Seattle, Wash.

Filed July 1, 1946. Serial No. 504,925. PUBLISHED FEBRUARY 18, 1947. Class 26.

429,446. POLO SHIRTS AND HOSIERY. Infants Socks, Inc., Reading, Pa.

Filed July 5, 1946. Serial No. 505,106. PUBLISHED DECEMBER 31, 1946. Class 39.

429,447. COMBINATION BELT AND PANTY AS A PROTECTIVE COVERING FOR DOGS. Fred Engel, doing business as U. S. Specialties Co., New York, N. Y.

Filed July 18, 1946. Serial No. 505,814. PUBLISHED FEBRUARY 18, 1947. Class 3.

429,448. PLASTIC MATERIAL, SOLD IN STICK FORM, FOR REPAIRING WOOD AND METAL SURFACES. Laurence J. Mitter, doing business as Cavalier Custom Products Company, Cincinnati, Ohio.

Filed July 18, 1946. Serial No. 505,849. PUBLISHED FEBRUARY 11, 1947. Class 12.

429,449. WOOLEN AND WORSTED HAND KNITTING YARNS. Ayr Scotch Wools, Incorporated, Green's Farms, Conn.

Filed July 19, 1946. Serial No. 505,886. PUBLISHED FEBRUARY 11, 1947. Class 43.

429,450. UMBRELLAS AND COVERS FOR UMBRELLAS. Polan, Katz & Company, Inc., Baltimore, Md.

Filed July 23, 1946. Serial No. 506,125. PUBLISHED FEBRUARY 11, 1947. Class 41.

429,451. THREAD AND YARN. North American Rayon Corporation, New York, N. Y.

Filed July 24, 1946. Serial No. 506,190. PUBLISHED FEBRUARY 11, 1947. Class 43.

429,452. REINFORCED CONCRETE LIGHTING STANDARDS, TELEGRAPH AND TELEPHONE POLES, AND PILING. Pacific Union Marbelite Company, Los Angeles, Calif.

Filed August 10, 1946. Serial No. 507,214. PUBLISHED FEBRUARY 11, 1947. Class 12.

429,453. DOOR AND WINDOW AWNINGS COMPOSED OF METAL. The Lumin-Aire Manufacturing Co., San Antonio, Tex.

Filed August 29, 1946. Serial No. 508,229. PUBLISHED FEBRUARY 11, 1947. Class 12.

429,454. METAL FRAMED WINDOWS. Jacob Wendling, doing business as Vento Steel Products Co., Buffalo, N. Y.

Filed August 30, 1946. Serial No. 508,347. PUBLISHED FEBRUARY 11, 1947. Class 12.

429,455. MIRROR-LIKE TILES WHICH ARE SECURED TO A BACKING SHEET AND WHICH ARE ADAPTED TO BE PERMANENTLY ATTACHED TO A WALL OR SURFACE FOR DECORATIVE PURPOSES. Miroflex Products Company, Inc., New York, N. Y.

Filed September 6, 1946. Serial No. 508,604. PUBLISHED FEBRUARY 11, 1947. Class 12.

429,456. HIGH TEMPERATURE REFRACTORY BONDING MORTAR. A. P. Green Fire Brick Company, Mexico, Mo.

Filed September 9, 1946. Serial No. 508,722. PUBLISHED FEBRUARY 11, 1947. Class 12.

429,457. PASTE, GLUE, ADHESIVE TAPE FOR GENERAL USE, FILM CEMENT, MOUNTING CEMENT, AND PHOTO PASTE POWDER. Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y.

Filed September 20, 1946. Serial No. 509,405. PUBLISHED FEBRUARY 11, 1947. Class 5.

429,458. AUTOMATIC VACUUM FILTERS, AUTOMATIC SAND FILTERS, NONATOMIZING WASH FILTERS, VACUUM DISCHARGE FILTERS, ETC. Filtration Engineers, Incorporated, New York, N. Y.

Filed September 24, 1946. Serial No. 509,648. PUBLISHED FEBRUARY 11, 1947. Class 31.

429,459. GLUE, STARCH, DEXTRINE AND SYNTHETIC RESIN, BASED ADHESIVES. James Fulton Whitby, Richmond, Va.

Filed September 25, 1946. Serial No. 509,748. PUBLISHED FEBRUARY 11, 1947. Class 5.

429,460. GLUE, STARCH, DEXTRINE AND SYNTHETIC RESIN BASED ADHESIVES. James Fulton Whitby, Richmond, Va.

Filed September 25, 1946. Serial No. 509,749. PUBLISHED FEBRUARY 11, 1947. Class 5.

429,461. RUBBER CEMENT FOR USE IN THE SHOE REPAIR INDUSTRY. Atlas Latex Co., Clifton, N. J.

Filed September 27, 1946. Serial No. 509,814. PUBLISHED FEBRUARY 11, 1947. Class 5.

429,462. LAMP SHADES. Commercial Products Corporation, Chicago, Ill.

Filed September 27, 1946. Serial No. 509,827. PUBLISHED FEBRUARY 11, 1947. Class 34.

429,463. REFRACTORY MATERIALS SUITABLE FOR FURNACE LINING AND REPAIRING. Basic Refractories, Inc., Cleveland, Ohio.

Filed September 28, 1946. Serial No. 509,910. PUBLISHED FEBRUARY 11, 1947. Class 12.

429,464. INSECTICIDE. Shell Oil Company, Incorporated, San Francisco, Calif.

Filed November 4, 1946. Serial No. 512,026. PUBLISHED FEBRUARY 11, 1947. Class 6.

429,465. PERFUMES. Multi-Facet Diamond Corporation, New York, N. Y.

Filed November 5, 1946. Serial No. 512,081. PUBLISHED JANUARY 21, 1947. Class 6.

429,466. PREPARATION CAUSING CELLULAR STIMULATION, PARTICULARLY A HORMONE PREPARATION. Sharp & Dohme, Incorporated, Philadelphia, Pa.

Filed November 7, 1946. Serial No. 512,207. PUBLISHED JANUARY 14, 1947. Class 6.

429,467. PREPARATION CAUSING CELLULAR STIMULATION, PARTICULARLY A HORMONE PREPARATION. Sharp & Dohme, Incorporated, Philadelphia, Pa.

Filed November 7, 1946. Serial No. 512,208. PUBLISHED JANUARY 14, 1947. Class 6.

429,468. SUN TAN CREAM AND LOTION. Schering Corporation, Bloomfield, N. J.

Filed November 9, 1946. Serial No. 512,347. PUBLISHED JANUARY 21, 1947. Class 6.

429,469. PREPARATIONS FOR THE TREATMENT OF PNEUMONIA-ENTERITIS IN SWINE. Fort Dodge Laboratories, Inc., Fort Dodge, Iowa.

Filed November 12, 1946. Serial No. 512,407. PUBLISHED JANUARY 21, 1947. Class 6.

429,470. DYESTUFFS AND PIGMENT COLORS FOR USE IN COLORING TEXTILES, LEATHERS, AND PAPERS. Nova Chemical Corporation, New York, N. Y.

Filed November 13, 1946. Serial No. 512,528. PUBLISHED FEBRUARY 11, 1947. Class 6.

429,471. GASKET AND RIM CEMENT. Dunlop Tire and Rubber Corporation, Buffalo, N. Y.

Filed December 3, 1946. Serial No. 513,614. PUBLISHED FEBRUARY 11, 1947. Class 5.

429,472. PROPHYLACTIC RUBBER ARTICLES FOR THE PREVENTION OF CONTAGIOUS DISEASES. Youngs Rubber Corporation, New York, N. Y.

Filed December 4, 1946. Serial No. 513,706. PUBLISHED FEBRUARY 18, 1947. Class 44.

429,473. PROPHYLACTIC RUBBER ARTICLES FOR THE PREVENTION OF CONTAGIOUS DISEASES. Youngs Rubber Corporation, New York, N. Y.

Filed December 4, 1946. Serial No. 513,707. PUBLISHED FEBRUARY 18, 1947. Class 44.

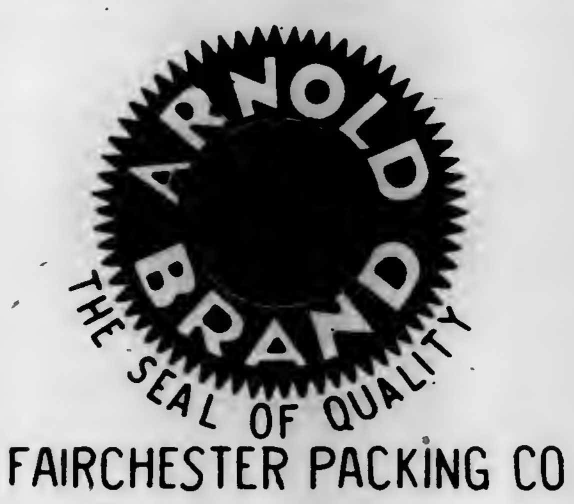
429,474. DIAPHRAGM INTRODUCERS. Ortho Pharmaceutical Corporation, Linden, N. J.

Filed December 14, 1946. Serial No. 514,287. PUBLISHED FEBRUARY 18, 1947. Class 44.

ACT OF MARCH 19, 1920, SEC. 1 (b)

These registrations are not subject to opposition

429,475. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) Fairchester Packing Co., Mamaroneck, N. Y. Filed Nov. 9, 1944. Serial No. 476,279.



FOR FRESH TOMATOES.
Claims use since Jan. 15, 1938.

429,476. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) Amelia Hill, New York, N. Y. Filed Jan. 25, 1945. Serial No. 478,993.

Amelia Jane's

FOR SCALP POMADE.
Claims use since July 24, 1944.

429,477. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) Harold R. Swenson, doing business as Permo Liquid Weld Co., Denver, Colo. Filed Mar. 27, 1945. Serial No. 481,386.

FOR COOLING SYSTEM CLEANER, RUST INHIBITOR, AND WATER PUMP LUBRICANT (PRIMARILY A RUST INHIBITOR FOR WATER COOLING SYSTEMS).
Claims use since on or about June 1, 1931.

429,478. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) The Federal Machine and Welder Company, Warren, Ohio. Filed Apr. 14, 1945. Serial No. 482,156.

UNI-PULSE

FOR ELECTRIC WELDING MACHINES.
Claims use since 1940.

429,479. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) Leconie Stiles, doing business as Ruth Ashbrook Bakeries, Seattle, Wash. Filed June 13, 1945. Serial No. 484,506.

Ruth Ashbrook

FOR COFFEE CAKES.
Claims use since Jan. 1, 1919.

429,480. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) Don F. Holiman, doing business as "Leet-Feet" Co., San Antonio, Tex. Filed Sept. 20, 1945. Serial No. 488,759.

FOR PREPARATION FOR USE IN THE TREATMENT OF (ATHLETE'S) FOOT.
Claims use since Apr. 1, 1945.

429,481. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) M. W. Claire, doing business as Marston Company, Jamestown, Ohio. Filed Nov. 7, 1945. Serial No. 491,200.

FOR LAXATIVE TABLETS.
Claims use since Feb. 14, 1935.

429,482. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) Startex Mills, Tucapau, S. C. Filed Nov. 14, 1945. Serial No. 491,595.

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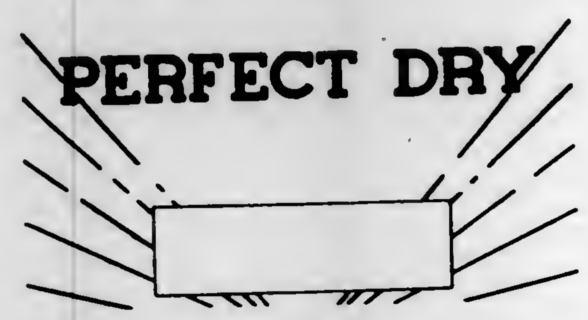
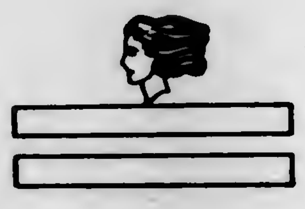
FOR CRASH GOODS IN THE PIECE, TOWELS, AND TOWELING.
Claims use since July 27, 1939.

429,483. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) Startex Mills, Tucapau, S. C. Filed Nov. 14, 1945. Serial No. 491,596.



FOR CRASH GOODS IN THE PIECE, TOWELS, AND TOWELING.
Claims use since Nov. 6, 1940.

429,484. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) Ariston, Inc., Washington, D. C., and Pittsburgh, Pa. Filed Dec. 14, 1945. Serial No. 493,242.



FOR SHAMPOO.
Claims use since Dec. 20, 1939.

429,485. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) Parfums Charbert, Inc., New York, N. Y. Filed Jan. 10, 1946. Serial No. 494,569.

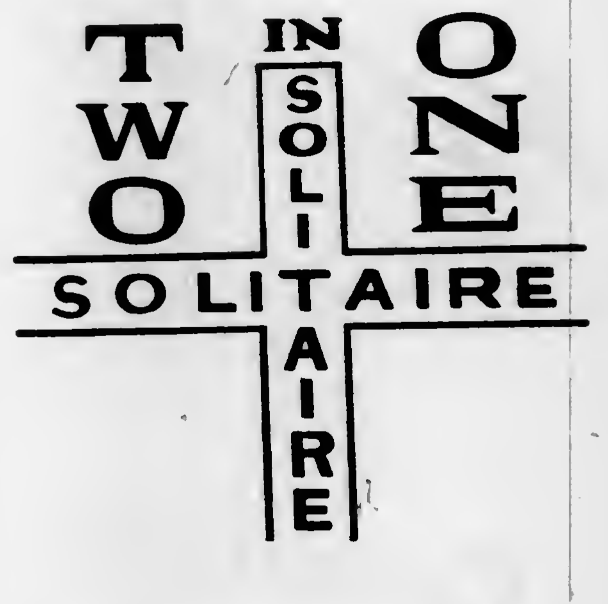
DEEP PURPLE

FOR PERFUMES, TOILET WATERS, EAU DE COLOGNES, TALCUM POWDER, SACHET POWDERS, FACE POWDER, BATH POWDER, FACE CREAMS AND CLEANSING CREAMS.
Claims use since Dec. 26, 1945.

429,486. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) E. F. Drew & Co., Inc., New York, N. Y. Filed Jan. 17, 1946. Serial No. 494,893.

FOR VEGETABLE OILS CONTAINING VITAMIN D, FOR USE IN MILK AND FEED STUFFS FOR FOUR-FOOTED ANIMALS.
Claims use since Dec. 17, 1945.

429,487. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) Isaiah C. Scudder, North Bergen, N. J. Filed Jan. 17, 1946. Serial No. 494,928.



FOR GAMES COMPRISING BOARDS WITH APERTURES THEREIN AND DISCS TO FIT INTO SAID APERTURES.
Claims use since January 1940.

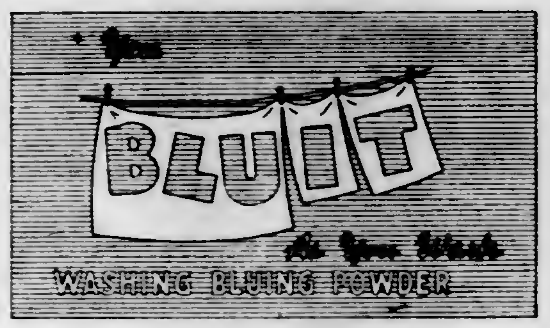
429,488. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) Donna Lo Laboratories, Inc., St. Louis, Mo. Filed Jan. 31, 1946. Serial No. 495,729.

Wildwood

FOR BUBBLE BATH, I. E., A POWDER ADDED TO BATH WATER TO PRODUCE BUBBLES, COLOGNE, DUSTING POWDER, PERFUME, TALCUM POWDER AND TOILET WATER.

Claims use since Aug. 11, 1941, on perfume and since September 1944 on all other of said goods.

429,489. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) John Howard Company, Canton, Ohio. Filed Jan. 31, 1946. Serial No. 495,741.



The drawing is lined for blue color.

FOR WASHING BLUING POWDER.

Claims use since December 1939.

429,490. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) R. H. Laird Manufacturing Company, Inc., New York, N. Y. Filed Feb. 2, 1946. Serial No. 495,888.

Pat-Tint

FOR FACE POWDER BASE.

Claims use since Jan. 25, 1946.

429,491. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) Air Cruisers, Inc., Clifton, N. J. Filed Feb. 9, 1946. Serial No. 496,294.

SWIMVST

FOR SHORT, SLEEVELESS, BUOYANT JACKETS EMBODYING INFLATABLE MEMBERS.

Claims use since Jan. 21, 1946.

429,492. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) H. Kohnstamm & Co. Inc., New York, N. Y. Filed Feb. 9, 1946. Serial No. 496,318.

Geltine

FOR FLAVORING EXTRACTS FOR GELATINE DESSERTS AND CONFECTIONERY.

Claims use since January 1941.

429,493. (CLASS 39. CLOTHING.) I. C. Isaacs & Co., Inc., Baltimore, Md. Filed Feb. 15, 1946. Serial No. 496,627.

DUNGEES

FOR DUNGAREES AND SLACKS, FOR MEN, WOMEN, AND CHILDREN.

Claims use since Feb. 1, 1946.

429,494. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) Benjamin Silfen, Chicago, Ill. Filed Feb. 15, 1946. Serial No. 496,669.

BRUSHLESS SHINEPACK

FOR KITS ADAPTED FOR USE IN SHINING SHOES AND COMPRISING BOX-LIKE SHOE SUPPORTS WITH POLISH AND OTHER SHOE SHINING EQUIPMENT THEREIN.

Claims use since Jan. 2, 1946.

429,495. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) Societe Anonyme Adolphe Saurer, Arbon, Switzerland, and Union City, N. J. Filed Feb. 16, 1946. Serial No. 496,736.

SAURER

FOR EMBROIDERING MACHINES, KNITTING MACHINES, LACE MACHINES, WEAVING MACHINES, AND PARTS THEREOF.

Claims use since Dec. 19, 1935.

429,496. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) Midwest Aircraft Products, Inc., Dayton, Ohio. Filed Feb. 28, 1946. Serial No. 497,397.

Duo-Loc

FOR FISHING ROD HANDLES.

Claims use since Feb. 14, 1946.

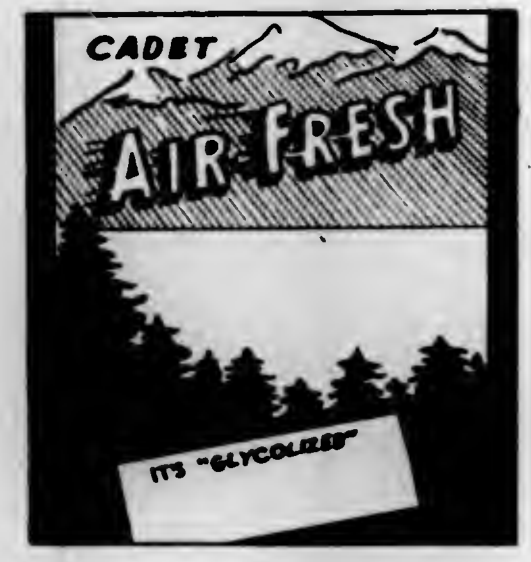
429,497. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) George G. Kaufman, New York, N. Y. Filed Mar. 9, 1946. Serial No. 497,937.

GE KAY

FOR WRENCHES.

Claims use since Jan. 19, 1946.

429,498. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. John Miller, doing business as Cadet Laboratories, Worcester, Mass. Filed Mar. 12, 1946. Serial No. 498,070.



The drawing is lined for the color green.

FOR DEODORANT FOR DEODORIZING ROOMS AND THE AIR THEREIN.

Claims use since July 1941.

429,499. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) Sperti, Inc., Cincinnati, Ohio. Filed Feb. 27, 1946. Serial No. 498,335.

Tanz

FOR SUN TAN CREAM.

Claims use since Feb. 7, 1946.

429,500. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) Fred R. Wallich, doing business as Wallich Laboratories, Los Angeles, Calif. Filed Mar. 19, 1946. Serial No. 498,554.

EYE KLEEN

FOR EYE WASH.

Claims use since about January 1940.

429,501. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) Fred R. Wallich, doing business as Wallich Laboratories, Los Angeles, Calif. Filed Mar. 19, 1946. Serial No. 498,556.

SURGIKOL

FOR LIQUID STERILIZER.

Claims use since May 1944.

429,502. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) Leona B. Harvell, doing business as Tessa Lee Cosmetics, Birmingham, Ala. Filed Mar. 20, 1946. Serial No. 498,628.

Tessa Lee

FOR CLEANSING CREAMS.

Claims use since Nov. 1, 1945.

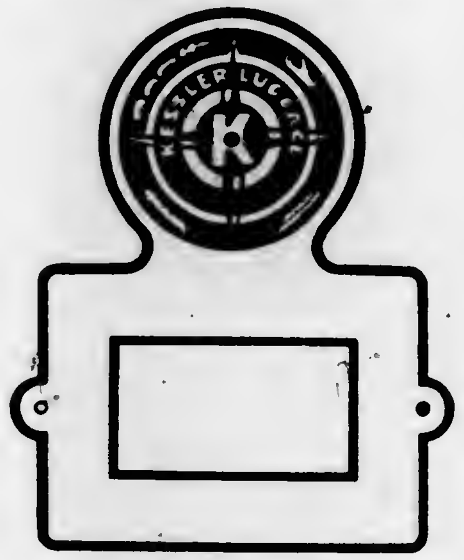
429,503. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) Kellogg Switchboard and Supply Company, Chicago, Ill. Filed Mar. 22, 1946. Serial No. 498,774.

KELLOGG KOILED KORD

FOR EXTENSIBLE ELECTRICAL CORDS.

Claims use since Mar. 8, 1946.

429,504. (CLASS 8. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) Kessler Luggage Mfg. Corporation, New York, N. Y. Filed Mar. 23, 1946. Serial No. 498,849.



FOR LUGGAGE—NAMELY, TRUNKS, HAND BAGS, TRAVELLING CASES AND POCKET BOOKS.

Claims use since Mar. 1, 1946.

429,505. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) Norton Company, Worcester, Mass. Filed Mar. 28, 1946. Serial No. 499,146.

CAM-O-UNIT

FOR ABRADING, GRINDING AND LAPPING MACHINES—NAMELY, CAM AND CRANKSHAFT GRINDING AND LAPPING MACHINES.
Claims use since Feb. 20, 1946.

429,506. (CLASS 37. PAPER AND STATIONERY.) Charles Krown, doing business as Ash Products Company, Chicago, Ill. Filed Mar. 30, 1946. Serial No. 499,333.

KrownKraft

FOR ALBUMS, SCRAP BOOKS, GUEST BOOKS, DIARIES, MANUSCRIPT BOOKS, ADDRESS BOOKS, AUTOGRAPH BOOKS, BLANK TELEPHONE RECORD BOOKS, BLANK BOOKS, DESK SETS, LETTER OPENERS, ROCKER BLOTTERS, LETTER RACKS, DESK CALENDARS, DESK ORGANIZERS, MEMO PADS, PEN AND PENCIL SETS, WEDDING BOOKS, BRIDES' BOOKS, BABY BOOKS, AND BIRTHDAY BOOKS.
Claims use since Feb. 1, 1943.

429,507. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) The Perma Products Company, Cleveland, Ohio. Filed Mar. 30, 1946. Serial No. 499,347.

ROT-BAN

FOR FUNGICIDAL PREPARATION FOR WOOD AND FABRICS, THE PREPARATION BEING IN THE NATURE OF A CHEMICAL, AS DISTINGUISHED FROM A PAINT.
Claims use since Feb. 4, 1946.

429,508. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) Louis Lefkowitz & Bro., Inc., New Brunswick, N. J. Filed Apr. 2, 1946. Serial No. 499,499.

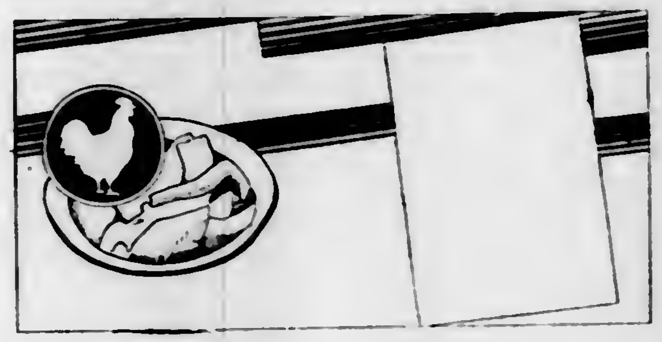
"THE Pak-all BAG"

FOR CAMERA CASES.
Claims use since Dec. 31, 1941.

429,509. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) Reed Pharmaceutical Company, Incorporated, doing business as Reed Pharmacal Co., Randolph, Mass. Filed Apr. 5, 1946. Serial No. 499,731.

FOR LIQUID COLD CREAM.
Claims use since Jan. 28, 1946.

429,510. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) Washington Creamery Company, Seattle, Wash. Filed Apr. 13, 1946. Serial No. 500,193.



FOR CANNED BONED CHICKEN AND BROTH.
Claims use since June 1945.

429,511. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) Rocco's Macaroni Manufacturing Co. Inc., San Diego, Calif. Filed Apr. 23, 1946. Serial No. 500,773.

FOR MACARONI, SPAGHETTI, NOODLES, AND OTHER ALIMENTARY PASTE PRODUCTS.
Claims use since Aug. 29, 1945.

429,512. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) Buffalo Turbine Agricultural Equipment Co., Inc., Gowanda, N. Y. Filed May 13, 1946. Serial No. 501,953.

The drawing is lined for the colors red and silver.
FOR AGRICULTURAL EQUIPMENT SPRAYER-DUSTERS.
Claims use since Jan. 23, 1946.

429,513. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) Thompson Horticultural Chemicals Corp., Los Angeles, Calif. Filed May 17, 1946. Serial No. 502,349.

NO-DROP

FOR MULTI-HORMONE PREPARATION FOR SPRAYING FRUIT TREES TO PREVENT PREMATURE FRUIT DROP.
Claims use since Nov. 1, 1945.

429,514. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) Anita C. Banks, New York, N. Y. Filed May 28, 1946. Serial No. 502,875.

Select

FOR SCALP CREAM AND PRESSING OIL FOR HAIR.
Claims use since Feb. 1, 1946.

429,515. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) Parkinson Lecourt Company, Inc., New York, N. Y. Filed June 5, 1946. Serial No. 503,320.

GREENWOOD

FOR BATH OIL AND TOILET WATER.
Claims use since Mar. 23, 1943.

429,516. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) Charles B. Whitworth, doing business as Whitworth Laboratories, Nashville, Tenn. Filed June 6, 1946. Serial No. 503,407.

DR. WHITWORTH'S

FOR COUGH SYRUP.
Claims use since 1940.

429,517. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) Avon Products, Inc., New York, N. Y. Filed June 12, 1946. Serial No. 503,697.

DOUBLE-COAT

FOR NAIL POLISH PRESERVER.
Claims use since Feb. 20, 1946.

429,518. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) Oliver C. Collins, doing business as Topton Rug. Mfg. Co., Topton, Pa. Filed June 12, 1946. Serial No. 503,705.

SUDBURY PLAID

FOR HAND LOOMED COTTON RUGS.
Claims use since July, 1931.

429,519. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) Oliver C. Collins, doing business as Topton Rug. Mfg. Co., Topton, Pa. Filed June 12, 1946. Serial No. 503,706.

cape cod

**braided by
topton**

FOR BRAIDED RUGS.
Claims use since February 1933.

429,520. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) Crosley Motors, Inc., Cincinnati, Ohio. Filed July 9, 1946. Serial No. 505,286.

CROSLEY

FOR INTERNAL COMBUSTION ENGINES.
Claims use since May 31, 1945.

429,521. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) Protection Products Co., Chicago, Ill. Filed Aug. 14, 1946. Serial No. 507,423.

PROTECTION

FOR TOY PISTOL HOLSTERS, GOLF BAGS, AND BOWLING BALL BAGS.
Claims use since June 1, 1919.

429,522. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) Landis Machine Company, Waynesboro, Pa. Filed Sept. 9, 1946. Serial No. 508,736.

LANDIS

FOR COLLAPSIBLE TAPS, CHASER GRINDING MACHINES, THREAD GRINDING MACHINES, ROLLER PIPE CUTTING MACHINES, AND THREAD ROLLING MACHINES.

Claims use since November 1931 on collapsible taps, since June 1933 on chaser grinding machines, since January 1943 on thread grinding machines, since March 1945 on roller pipe cutting machines, and since July 1945 on thread rolling machines.

429,523. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) Frank di Ohio, doing business as Pina Ton-Ol Waving Process Co., Newark, N. J. Filed Oct. 29, 1946. Serial No. 511,698.

Tone-Oil

FOR LIQUIFIED CREAM FOR PERMANENT WAVING.
Claims use since Sept. 1, 1944.

429,524. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) Barrett Products Co., Philadelphia, Pa. Filed Nov. 8, 1946. Serial No. 512,229.

BARRETT'S ROACHSAULT

FOR INSECTICIDE.
Claims use since Sept. 3, 1895.

429,525. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) Morris White Fashions, Inc., New York, N. Y. Filed Nov. 19, 1946. Serial No. 512,884.

SEAL-TITE

FOR LADIES' AND MISSES' HANDBAGS.
Claims use since Aug. 1, 1945.

TRADE-MARK REGISTRATIONS RENEWED

56,397. **"MINNESOTA MINING" ETC. AND DESIGN.** CORUNDUM, GARNET, AND EMERY PAPER AND CLOTH. Registered Sept. 18, 1906. Minnesota Mining & Manufacturing Co., Duluth, Minn. Re-renewed Sept. 18, 1946, to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware. Class 4.

56,887. **"B M & CO." AND DESIGN.** HYDRATES, CARBONATES, AND CHLORIDS OF AMMONIUM, SODIUM, POTASSIUM, AND LITHIUM. Registered Oct. 23, 1906. Brunner, Mond & Co., Limited, Winnington, Norwich, England. Re-renewed Oct. 23, 1946, to I. C. I. (Alkali), Limited, Buckinghamshire, England, a corporation organized and existing under the laws of the United Kingdom of Great Britain and Northern Ireland. Class 6.

57,014. **JAMES WHATMAN TURKEY MILL. KENT.** WRITING AND DRAWING PAPERS. Registered Oct. 30, 1906. Richard James Balston, Springfield Mill, Maidstone, England. Re-renewed Oct. 30, 1946, to W. & R. Balston, Limited, Maidstone, England, a corporation organized and existing under the laws of the United Kingdom of Great Britain and Northern Ireland. Class 37.

57,015. **J WHATMAN. TURKEY MILL.** WRITING AND DRAWING PAPERS. Registered Oct. 30, 1906. Richard James Balston, Springfield Mill, Maidstone, England. Re-renewed Oct. 30, 1946, to W. & R. Balston, Limited, Maidstone, England, a corporation organized and existing under the laws of the United Kingdom of Great Britain and Northern Ireland. Class 37.

57,497. **STEK-O.** PASTE IN POWDER FORM. Registered Nov. 13, 1906. Clark Paper & Manufacturing Co. Re-renewed Nov. 13, 1946, to Clark Stek-O Corporation, Rochester, N. Y., a corporation of New York. Class 5.

57,591. **"LONDON" AND DESIGN.** LEATHER-POLISHING PASTE, WATERPROOF POLISH FOR BOOTS AND SHOES, BOX-CALF POLISH FOR BOX-CALF, KID, AND VICI-KID SHOES, AND DRESSING FOR RUSSET AND BROWN LEATHER SHOES. Registered Nov. 13, 1906. S. Graziano & Co. Re-renewed Nov. 13, 1946, to Yankee Polish Co., New York, N. Y., a corporation of New York. Class 4.

57,982. **ANDOVER.** THREAD AND YARN. Registered Dec. 4, 1906. Smith & Dove Mfg. Co., Andover, Mass. Re-renewed Dec. 4, 1946, to Ludlow Manufacturing & Sales Co., Boston, Mass., a corporation of Massachusetts. Class 43.

58,181. **"IT PAYS TO USE GOOD TOOL STEEL" ETC.** TOOL STEEL. Registered Dec. 11, 1906. Columbia Tool Steel Co., Chicago Heights, Ill. Re-renewed Dec. 11, 1946, to Columbia Tool Steel Company, Chicago, Chicago Heights, Ill.; Detroit, Mich., Cincinnati and Cleveland, Ohio, and Milwaukee, Wis., a corporation of Illinois. Class 14.

58,213. **SECURITY.** HEATING AND COOKING STOVES AND RANGES. Registered Dec. 11, 1906. Blakesley-Tuttle Stove Co. Re-renewed Dec. 11, 1946, to Security Manufacturing Co., Kansas City, Mo., a corporation of Missouri. Class 34.

58,432. **"CROSS FOX" AND DRAWING.** TOILET-PINS AND GLASS-HEADED PINS. Registered Dec. 18, 1906. Abel Morrall Limited, Redditch, England, an organized company of England. Re-renewed Dec. 18, 1946. Class 40.

58,855. **OZARKA.** CERTAIN NAMED SOFT DRINKS. Registered Dec. 25, 1906. Eureka Springs Water Company. Re-renewed Dec. 25, 1946, to Richard Thompson, doing business as Eureka Springs Water Company, Eureka Springs, Ark. Class 45.

58,928. **"SMITH & DOVE MFG. CO." ETC. AND DESIGN.** FLAX THREADS AND YARNS. Registered Dec. 25, 1906. Smith & Dove Mfg. Co., Andover, Mass. Re-renewed Dec. 25, 1946, to Ludlow Manufacturing & Sales Co., Boston, Mass., a corporation of Massachusetts. Class 43.

59,704. **"THE BELL" AND REPRESENTATION OF BELL.** BOYS' BLOUSES AND WAISTS. Registered Jan. 15, 1907. Lubell Bros. Re-renewed Jan. 15, 1947, to Lubell Bros., Inc., New York, N. Y., a corporation of New York. Class 39.

59,818. **"ANCHOR" AND DESIGN.** Toy building-BLOCKS, MOSAIC GAMES, METAL PARTS FOR CONSTRUCTING TOY BRIDGES AND HOUSES AND PARTS THEREOF, AND PUZZLES. Registered Jan. 15, 1907. Friedrich Adolf Richter, Rudolstadt, Germany, and New York, N. Y. Re-renewed Jan. 15, 1947, to The A. C. Gilbert Company, New Haven, Conn., a corporation of Maryland. Class 22.

61,453. **"DUXBAK" ETC. AND REPRESENTATION OF DUCK.** LEATHER BELTING. Registered Mar. 19, 1907. Chas. A. Schieren & Co. Re-renewed Mar. 19, 1947, to Chas. A. Schieren Company, New York, N. Y., a corporation of New York. Class 35.

61,763. **"WASHBURN'S GOLD MEDAL" ETC. AND DRAWING.** WHEAT FLOUR. Registered Apr. 2, 1907. Washburn-Crosby Company. Re-renewed Apr. 2, 1947, to General Mills Inc., Minneapolis, Minn., a corporation of Delaware. Class 46.

190,351. **"B&CO" AND DRAWING.** COCOA. Registered Oct. 14, 1924. Hollandsche Cacao-en Chocoladefabrieken v/h Bensdorp & Co., Amsterdam, Netherlands. Renewed Oct. 14, 1944, to Bensdorp n/v, Bussum, Holland, a corporation of the Netherlands. Class 46.

209,022. **SCATTER.** LIBRARY AND LIVING-ROOM TABLES. Registered Feb. 16, 1926. The Brandt Cabinet Works. Renewed Feb. 16, 1946, to The Brandt Cabinet Works, Inc., Hagerstown, Md., a corporation of Maryland. Class 32.

212,097. **CALORA.** COAL, CARBONIZED FUEL, AND COKE. Registered Apr. 27, 1926. The J. P. Burton Coal Company. Renewed Apr. 27, 1946, to The Guaranty Gas Coal Company, Cleveland, Ohio, a corporation of Ohio. Class 1.

213,074. **"K" AND DESIGN.** LEATHER, UNWROUGHT SKINS, FURS, WOOL, AND TALLOW. Registered May 18, 1926. J. Kennon & Sons Proprietary Limited, Richmond, near Melbourne, Victoria, Australia, an incorporated Company of the State of Victoria, Australia. Renewed May 18, 1946. Class 1.

213,502. **BESTMAID.** SHOES FOR MEN, WOMEN, AND CHILDREN, OF LEATHER, RUBBER, OR FABRIC, AND COMBINATIONS OF THESE MATERIALS. Registered June 1, 1926. New York Merchandise Co., Inc., New York, N. Y., a corporation of New York. Renewed June 1, 1946. Class 39.

215,132. **"CHEMPUR" AND DRAWING.** PIG AND INGOT TIN. Registered July 13, 1926. Capper Pass & Son Limited, Bristol, England, a British company. Renewed July 13, 1946. Class 14.

215,623. **"GUARDIAN MEMORIALS" ETC.** MEMORIALS. Registered July 20, 1926. Jones Brothers Co., Boston, Mass., a corporation of Maine. Renewed July 20, 1946. Class 50.

217,516. **"IDEAL."** HANDKERCHIEFS. Registered Aug. 31, 1926. Douglas & Green Inc., New York, N. Y. Renewed Aug. 31, 1946, to Douglas & Green, Ltd., Belfast, Ireland, a corporation of the United Kingdom of Great Britain and Northern Ireland. Class 39.

217,926. **OVER THE BRIDGE TO FAIRYLAND.** TOY ANIMALS, DOLLS, PUZZLES, MECHANICAL TOYS, MECHANICAL TRAINS, WOODEN TOYS, RUBBER TOYS, CELLULOID TOYS, BISQUE TOYS, METALLIC TOYS, TOY BASKET WARE, WHEELED TOYS, SAND TOYS, TOY DISHES, TOY STOVES, TOY FURNITURE, SCOOTERS, SKATES, AND TOY LUGGAGE. Registered Sept. 14, 1926. Hale Bros., Inc. Renewed Sept. 14, 1946, to Nancy Ann Storybook Dolls, Inc., San Francisco, Calif., a corporation of California. Class 22.

218,143. **AMERICAN HOME.** SHEETS, PILLOWCASES, BEDSPREADS, AND WOVEN AND KNITTED FABRICS IN THE PIECE OF COTTON, SILK, OR WOOL AND COMBINATIONS THEREOF. Registered Sept. 21, 1926. Ely & Walker Dry Goods Company, St. Louis, Mo., a corporation of Missouri. Renewed Sept. 21, 1946. Class 42.

218,540. **DIGITEX.** FAT-FREE DIGITALIS PUT UP IN SOLUTION AND SOLID FORMS. Registered Sept. 28, 1926. The Drug Products Co. Inc., Long Island City, N. Y. Renewed Sept. 28, 1946, to The Drug Products Co., Inc., New York, N. Y., a corporation of New York. Class 6.

218,541. **ERGEX.** PURIFIED CONCENTRATED ERGOT SOLUTION FOR ORAL OR HYPODERMIC USE. Registered Sept. 28, 1926. The Drug Products Co. Inc., Long Island City, N. Y. Renewed Sept. 28, 1946, to The Drug Products Co., Inc., New York, N. Y., a corporation of New York. Class 6.

218,646. **ALUMINEX.** COOKING UTENSILS AND KITCHENWARE—NAMELY, KETTLES, POTS, PANS, GRIDDLES, AND ROASTERS. Registered Sept. 28, 1926. The Buckeye Aluminum Company, Wooster, Ohio, a corporation of Delaware. Renewed Sept. 28, 1946. Class 13.

218,709. **BOILERINE.** COMPOUND FOR PREVENTING AND DISUNITING INCRUSTATION FORMED FROM WATER HEATED IN BOILERS, RADIATORS, AND THE LIKE. Registered Oct. 5, 1926. Boilerine, Limited, London, England, a corporation organized and existing under the laws of the United Kingdom of Great Britain and Northern Ireland. Renewed Oct. 5, 1946. Class 6.

218,801. **BENEX.** SHAVING CREAM WHICH PRODUCES A LATHER. Registered Oct. 5, 1926. Bristol-Myers Company. Renewed Oct. 5, 1946, to Bristol-Myers Company, New York, N. Y., a corporation of Delaware. Class 4.

218,919. **THE TIMES-UNION.** DAILY NEWSPAPER. Registered Oct. 5, 1926. Albany Evening Union Company. Renewed Oct. 5, 1946, to The Hearst Corporation, Albany, N. Y., a corporation of Delaware. Class 38.

218,950. **SAFLEX.** TOOL PARTS. Registered Oct. 5, 1926. The S. S. White Dental Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania. Renewed Oct. 5, 1946. Class 23.

219,124. **"GARCY" AND DESIGN.** CERTAIN NAMED ARTICLES OF HARDWARE FOR DOORS, DRAWERS, SHELVING, ETC. Registered Oct. 12, 1926. Garden City Plating & Manufacturing Co., Chicago, Ill., a corporation of Illinois. Renewed Oct. 12, 1946. Class 13.

219,332. **FOOTEASE.** HOSIERY. Registered Oct. 19, 1926. Sears, Roebuck and Co., Chicago, Ill., a corporation of New York. Renewed Oct. 19, 1946. Class 39.

219,353. **"N" & DESIGN.** GAS COMPRESSORS, VACUUM PUMPS, PUMP STRAINERS, SEWAGE EJECTORS, BILGE PUMPS, SUMP PUMPS, AIR COMPRESSORS, VACUUM HEATING PUMPS, BOILER FEED PUMPS, CHECK VALVES USED AS PART OF THE PUMP UNIT, TURBINES, AND TURBINE ENGINES. Registered Oct. 19, 1926. Nash Engineering Company, South Norwalk, Conn., a corporation of Connecticut. Renewed Oct. 19, 1946. Class 23.

219,354. **HYTOR.** TURBINES, TURBINE ENGINES, PUMPS, STRAINERS, SEWAGE EJECTORS, BILGE PUMPS, SUMP PUMPS, VACUUM PUMPS, AIR COMPRESSORS, GAS COMPRESSORS, BOILER FEED PUMPS, VACUUM HEATING PUMPS, AND CHECK VALVES USED AS PART OF THE PUMP UNIT. Registered Oct. 19, 1926. Nash Engineering Company, South Norwalk, Conn., a corporation of Connecticut. Renewed Oct. 19, 1946. Class 23.

219,606. **OZEX.** INSULATED AND PROTECTED ELECTRICAL CONDUCTING WIRES AND CABLE. Registered Oct. 19, 1926. Simplex Wire & Cable Company, Boston, Mass. Renewed Oct. 19, 1946, to Simplex Wire & Cable Company, Cambridge, Mass., a corporation of Massachusetts. Class 21.

219,684. **MARGY.** WOMEN'S AND MISSES' COATS, SUITS, AND DRESSES. Registered Oct. 19, 1926. The Hecht Co., and also doing business as The Hub, Washington, D. C., and Baltimore, Md. Renewed Oct. 19, 1946, to The Hecht Co., Washington, D. C., a corporation of Maryland. Class 39.

219,784. **FLY NO MORE.** CHEMICAL ANTISEPTIC, INSECTICIDE, GERMICIDE, DISINFECTANT, AND DEODORANT FOR SHEEP, CATTLE, HORSES, AND POULTRY AND FOR HOUSEHOLD PURPOSES. Registered Oct. 26, 1926. David Lauderback, doing business as Monroe Exterminating Company, not Inc. Renewed Oct. 26, 1946, to Monroe Laboratories, Inc., Chicago, Ill., a corporation of Illinois. Class 6.

219,805. **HENRIETTA JUNIORS.** CIGARS. Registered Oct. 26, 1926. Otto Eisenlohr & Bros. Incorporated, Philadelphia, Pa. Renewed Oct. 26, 1946, to Webster Tobacco Company, Inc., New York, N. Y., a corporation of Pennsylvania. Class 17.

220,306. **"UNISTA" AND DRAWING.** WHEAT FLOUR. Registered Nov. 9, 1926. Washburn Crosby Company. Renewed Nov. 9, 1946, to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware. Class 46.

220,372. **"VELCREST" ETC. AND DESIGN.** PERFUMES, TOILET WATER, SCALP REMEDIES, SHAMPOO PREPARATIONS, HAIR TONIC AND DRESSING, ANTISEPTIC POWDER, DEODORANTS, CREAMS FOR THE TREATMENT OF THE SKIN, COMPLEXION POWDER, DENTIFRICES, TALCUM POWDER, BATH AND BODY POWDER. Registered Nov. 9, 1926. The Velcrest Company, Mansfield, Ohio, a corporation of Ohio. Renewed Nov. 9, 1946. Class 6.

220,449. **WIZARD.** COTTON PIECE GOODS BOTH BLEACHED AND UNBLEACHED, SHEETS AND PILLOWCASES. Registered Nov. 9, 1926. J. C. Penney Company, Wilmington, Del., and New York, N. Y. Renewed Nov. 9, 1946, to J. C. Penney Company, New York, N. Y., a corporation of Delaware. Class 42.

220,659. **SILVERTONE TRU-PHONIC.** PHONOGRAPHS. Registered Nov. 16, 1926. Sears, Roebuck and Co., Chicago, Ill., a corporation of New York. Renewed Nov. 16, 1946. Class 36.

221,594. **KEEBLER.** COOKIES, CAKES, CRACKERS, AND A FANCY GRADE OF BISCUIT-LIKE ARTICLES COATED WITH CHOCOLATE, FONDANT, AND MARSHMALLOW. Registered Dec. 7, 1926. Keebler Weyl Baking Co., Philadelphia, Pa. Renewed Dec. 7, 1946, to United Biscuit Company of America, Chicago, Ill., a corporation of Delaware. Class 46.

221,750. **REPRESENTATION OF A WINGED ARROW IN A CIRCLE.** CAST-IRON AND CAST-STEEL BY-PASS, ANGLE, AND SLIDE VALVES, BRONZE, CAST-IRON, AND CAST-STEEL COCKS, CAST-STEEL BENTS. Registered Dec. 7, 1926. Limited Company Formerly The Škoda-Works, Plzeň, Prague-Smichov, Czechoslovakia. Renewed Dec. 7, 1946, to Akciova Spolecnost Drive Skodovy Zavody V Plzni, also named Limited Company, formerly The Skodaworks, Plzen, Praha, Czechoslovakia, a corporation of Czechoslovakia. Class 13.

221,905. **"COOK-KING" AND DRAWING.** SALT. Registered Dec. 14, 1926. Alex Kerr Bro. & Co. Inc. Renewed Dec. 14, 1946, to Kerr Salt Company, Philadelphia, Pa., a corporation of Delaware. Class 46.

221,915. **"BLUE STREAK"** ETC. GRINDERS OR PULVERIZERS. Registered Dec. 14, 1926. Prater Pulverizer Company, Chicago, Ill., a corporation of Illinois. Renewed Dec. 14, 1946. Class 23.

222,042. **"ROCK-A-BYE" AND DESIGN.** BABIES' KNIT AND WOVEN UNDERWEAR. Registered Dec. 21, 1926. Carson Pirie Scott & Company, Chicago, Ill., a corporation of Illinois. Renewed Dec. 21, 1946. Class 39.

222,533. **"THE MOSLER SAFE CO." ETC. AND DESIGN.** SAFES AND SAFETY CABINETS. Registered Jan. 4, 1927. The Mosler Safe Company, Hamilton, Ohio, a corporation of New York. Renewed Jan. 4, 1947. Class 25.

222,581. **OUR GANG.** SHOES MADE OF LEATHER, RUBBER, OR FABRIC OR COMBINATIONS THEREOF. Registered Jan. 4, 1927. Harry Eby Shoe Co., Inc. Renewed Jan. 4, 1947, to Eby Shoe Corporation, Ephrata, Pa., a corporation of Pennsylvania. Class 39.

222,998. **ASTRO.** TISSUE PAPER GENERALLY, BUT MORE PARTICULARLY THOSE ADAPTED TO BE MADE INTO CARBON PAPER, STEREOTYPING TISSUES AND COPYING TISSUES. Registered Jan. 11, 1927. Brittains, Limited, Cheddleton, near Leek, England, a corporation duly organized and existing under the laws of Great Britain. Renewed Jan. 11, 1947. Class 37.

223,133. **"CLEAN-O-SHINE"** ETC. **AND DESIGN.** PREPARATION FOR CLEANING WOOD, CEMENT, TILE, TERRAZZO, AND COMPOSITION FLOOR, LINOLEUMS, FURNITURE, WOODWORK, MARBLEWORK, ETC. Registered Jan. 18, 1927. Continental Chemical Corporation of Illinois, Watseka, Ill. Renewed Jan. 18, 1947, to Continental Car-Na-Var Corporation, Brazil, Ind., a corporation of Indiana. Class 4.

223,146. **"W" WITHIN DIAMOND DESIGN.** DRESSED POULTRY AND EGGS. Registered Jan. 18, 1927. The Wadley Company, Indianapolis, Ind., a corporation of Indiana. Renewed Jan. 18, 1947. Class 46.

223,895. **SILHOUETTE.** FACE POWDER. Registered Feb. 15, 1927. The Armand Company, Des Moines, Iowa, a corporation of Iowa. Renewed Feb. 15, 1947. Class 6.

223,997. **KLEANBORE.** AMMUNITION. Registered Feb. 15, 1927. Remington Arms Company, Inc., Bridgeport, Conn., Ilion and New York, N. Y. Renewed Feb. 15, 1947, to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware. Class 9.

224,006. **STURTEVANT.** ELECTRIC MOTORS, DYNAMOS, AND GENERATING SETS AND PARTS THEREOF AND ELECTRIC FANS AND BLOWERS. Registered Feb. 15, 1927. B. F. Sturtevant Company, Hyde Park and Boston, Mass. Renewed Feb. 15, 1947, to B. F. Sturtevant Company, Hyde Park, Mass., a corporation of Massachusetts. Class 21.

224,293. **STURTEVANT.** AIR HEATERS, AIR WASHERS, FUEL ECONOMIZERS FOR HEATING FEED WATER OR OTHER LIQUID BY WASTE GASES IN A FLUE OR STACK, FORGES, HEATERS AND HEATING AND VAPORIZING APPARATUS, HOT-BLAST APPARATUS, DRY KILNS, BLOWERS FOR GRATES OR STEAM BOILERS, PULVERIZED-FUEL-BURNING EQUIPMENT, VENTILATORS AND STOKERS FOR FURNACES. Registered Feb. 22, 1927. B. F. Sturtevant Company, Hyde Park and Boston, Mass. Renewed Feb. 22, 1947, to B. F. Sturtevant Company, Hyde Park, Mass., a corporation of Massachusetts. Class 34.

224,334. **"MUTER" AND DESIGN.** RADIO SUPPLY PARTS AS FOLLOWS: LIGHTNING ARRESTERS, ANTENNA LEAD-IN INSULATOR, ADJUSTABLE GROUND CLAMPS, COMPLETE AERIAL KITS, PHONE PLUGS, AND CERTAIN OTHER NAMED RADIO SUPPLY PARTS. Registered Feb. 22, 1927. Leslie F. Muter Co. Renewed Feb. 22, 1947, to Leslie F. Muter, Chicago, Ill. Class 21.

224,446. **"RED BALL" ETC. AND DESIGN.** COLD-WATER PASTE. Registered Mar. 1, 1927. Knefler-Bates Manufacturing Company. Renewed Mar. 1, 1947, to Knefler-Bates Company, Indianapolis, Ind., a corporation of Indiana. Class 5.

224,505. **SEXTET.** REAR CHASSIS UNIT FOR TRUCKS. Registered Mar. 1, 1927. The Warford Corporation, New York, N. Y., a corporation of New York. Renewed Mar. 1, 1947. Class 19.

224,518. **LION.** SPICES. Registered Mar. 1, 1927. The Woolson Spice Company, Toledo, Ohio, a corporation of Ohio. Renewed Mar. 1, 1947. Class 46.

224,525. **"DUTCHIE" AND DESIGN.** MILK-CHOCOLATE WAFERS. Registered Mar. 1, 1927. Ideal Cocoa & Chocolate Company. Renewed Mar. 1, 1947, to Wilbur-Suchard Chocolate Company, Inc., Lititz, Pa., a corporation of Pennsylvania. Class 46.

224,545. **STONEKIRK.** WOOLEN AND WOOL AND MIXED WOVEN PIECE GOODS. Registered Mar. 1, 1927. Rittenburg Bros., doing business as Stonekirk Worsted Co. Renewed Mar. 1, 1947, to Rittenberg Bros., doing business as Stonekirk Worsted Co., New York, N. Y., a firm. Class 42.

224,625. **"ANTISEPTIC" ETC. AND DRAWING.** TOILET TISSUE. Registered Mar. 1, 1927. United Paper Corporation, Menasha, Wis., a corporation of Wisconsin. Renewed Mar. 1, 1947. Class 37.

224,748. **"FASHION FROCKS" ETC. AND DRAWING.** WOMEN'S AND CHILDREN'S DRESSES. Registered Mar. 1, 1927. Fashion Frocks, Inc., Cincinnati, Ohio, a corporation of Ohio. Renewed Mar. 1, 1947. Class 39.

224,750. **CHINALINE.** ENAMEL IN THE NATURE OF PAINT. Registered Mar. 1, 1927. United States Gutta Percha Paint Company, Providence, R. I., a corporation of Rhode Island. Renewed Mar. 1, 1947. Class 16.

224,807. **BABY.** DRIED RAISINS. Registered Mar. 8, 1927. Sun-Maid Raisin Growers of California, Fresno, Calif., a cooperative association of California. Renewed Mar. 8, 1947. Class 46.

224,889. **MIUDO.** COFFEE. Registered Mar. 8, 1927. American Coffee Corporation, Jersey City, N. J. Renewed Mar. 8, 1947, to American Coffee Corporation, Hamburg, N. J., a corporation of New Jersey. Class 46.

224,908. **"APEX" AND REPRESENTATION OF A FISH.** PLATED MUSIC WIRE FOR TROLLING PURPOSES, LINEN LEADER LINE, RUBBER TROLLING TUBING, TROLLING SPRINGS, FISHING FLIES, SNELLED FISH HOOKS, SALMON-EGG BAIT, TROLLING SWIVELS, AND SPLIT RINGS FOR FISHING LINES. Registered Mar. 8, 1927. Pacific Marine Supply Co., Seattle, Wash., a corporation of Washington. Renewed Mar. 8, 1947. Class 22.

225,064. **"THE SOUTHWEST MAGAZINE"** ETC. MONTHLY MAGAZINE. Registered Mar. 8, 1927. The Southwest Magazine Company, Fort Worth, Tex., a corporation of Texas. Renewed Mar. 8, 1947. Class 38.

225,171. **MOGUL.** LOOSE-LEAF STRUCTURES, AS RING BOOKS, POST BINDERS, AND LEDGERS. Registered Mar. 15, 1927. National Blank Book Co. Renewed Mar. 15, 1947, to National Blank Book Company, Holyoke, Mass., a corporation of Massachusetts. Class 37.

225,245. **DAVIDSON.** CENTRIFUGAL PUMPS. Registered Mar. 15, 1927. M. T. Davidson Company, Brooklyn, N. Y., a corporation of New York. Renewed Mar. 15, 1947. Class 23.

225,246. **BATES.** INK AND INKING PADS. Registered Mar. 15, 1927. The Bates Manufacturing Company, Orange, N. J. Renewed Mar. 15, 1947, to The Bates Manufacturing Company, West Orange, N. J., a corporation of New Jersey. Class 11.

225,315. **GREEN POD.** CANNED PEAS. Registered Mar. 15, 1927. Waterloo Canning Association, Waterloo, Wis., a corporation of Wisconsin. Renewed Mar. 15, 1947. Class 46.

225,383. **MOGUL.** LIQUID COMPOUND FOR SCALE PREVENTING AND REMOVING FROM BOILERS. Registered Mar. 15, 1927. The North American Fibre Products Company, Cleveland, Ohio, a corporation of Ohio. Renewed Mar. 15, 1947. Class 6.

225,392. **LION.** BAKING POWDER. Registered Mar. 15, 1927. The Woolson Spice Company, Toledo, Ohio, a corporation of Ohio. Renewed Mar. 15, 1947. Class 46.

REISSUES

APRIL 29, 1947

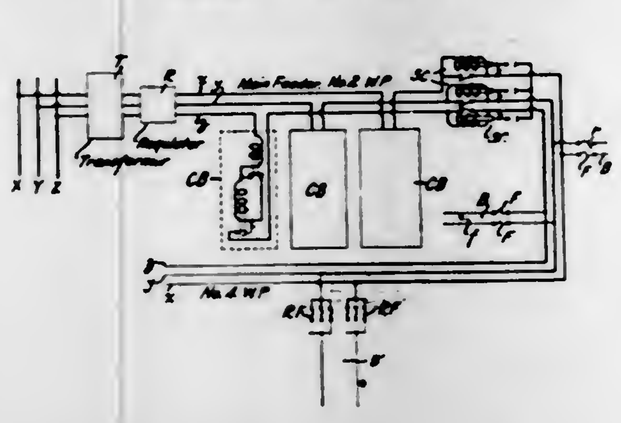
22,872

APPARATUS FOR PROTECTING POWER LINES

George A. Matthews, Detroit, Mich., assignor to The Detroit Edison Company, Detroit, Mich., a corporation of New York

Original No. 2,352,556, dated June 27, 1944, Serial No. 333,875, May 7, 1940. Application for reissue August 20, 1945, Serial No. 611,617

15 Claims. (Cl. 175—294)



1. In an electrical distribution system, the combination with a current source, conductors extending from said current source to form a distribution circuit, reclosing circuit-interrupting means responsive to a fault on said circuit to effect the first opening thereof after a time delay during which arcing conduction resulting from a fault will damage the conductors, said circuit-interrupting means including control mechanism for opening and reclosing the circuit a plurality of times to a final lockout in the event of a permanent fault, of means to protect said conductors against damage from transient faults; said protecting means comprising a normally open switch across said conductors, spring means biasing said switch to open position, means responsive to a fault current to close said switch prior to the first opening of said distribution circuit by said circuit-interrupting means, thereby to establish a metallic short-circuit across said conductors and remove the voltage from the fault point, said spring means opening said switch to remove said metallic short-circuit upon opening of said distribution circuit by said circuit-interrupting means, said control mechanism including means to delay the first reclosure of said circuit-interrupting means until said switch is opened to remove said metallic short-circuit, and timing means to lock said switch against reclosure during the time period required for operation of said reclosing circuit-interrupting means to a final open position in the event of a permanent fault.

22,873

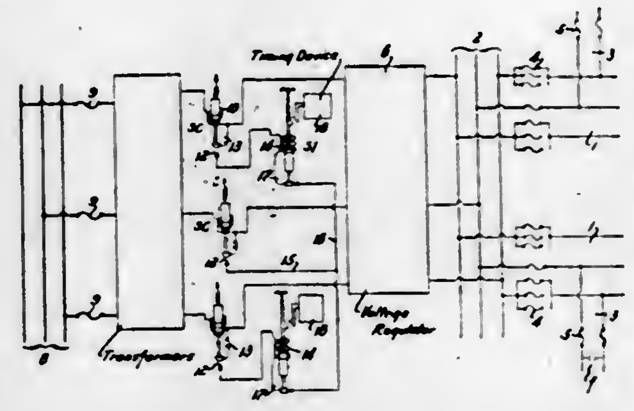
ELECTRICAL DISTRIBUTION SYSTEM

Geórge A. Matthews, Detroit, Mich., assignor to The Detroit Edison Company, Detroit, Mich., a corporation of New York

Original No. 2,288,953. dated July 7, 1942, Serial No. 351,015, August 3, 1940. Application for reissue August 20, 1945, Serial No. 611,618

10 Claims. (Cl. 175—294)

1. The method of protecting an electrical distribution system including a plurality of parallel feeder circuits against faults which comprises connecting across the system a shorting circuit having therein a switch normally retained in open position by a spring, developing from the fault current a force to close said switch substantially instantaneously to reduce the voltage at the fault point to zero within not more than two cycles after fault inception, opening the shorting circuit after an interval equal to that required for deionization of the original fault path, thereafter removing voltage from and restoring voltage to only the faulty feeder circuit of said system a plurality of times to an eventual isolation of the faulty circuit in the case of a permanent fault, and preventing a reclosure of the shorting circuit during the period required for isolation of the system.



10. In a distribution system, the combination with a three-phase source of current, a load circuit, three line conductors connecting said current source to said load circuit, and protective devices responsive to a permanent fault on said load circuit for opening the same, of means to prevent operation of the protective devices on said load circuit in response to transient faults; said means comprising three normally open switches having operating windings in series in the respective line conductors, a pair of normally closed circuit interrupters, circuit elements connecting said circuit interrupters in a shorting circuit extending between two of said conductors, said shorting circuit including in series the circuit interrupters and the contacts of the normally open switches whose operating windings are in series with the said two conductors, and circuit elements connecting one contact of the third normally open switch to the third conductor and the other contact to said shorting circuit at a point between said circuit interrupters.

22,874

BRAKE HEAD RETAINING MECHANISM FOR BRAKE BEAMS

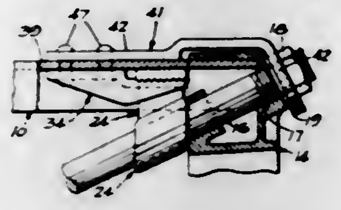
Carl R. Moline, Homewood, Ill., assignor to Allied Railway Equipment Company, a corporation of Illinois

Original No. 2,391,329, dated December 18, 1945, Serial No. 533,695, May 2, 1944. Application for reissue June 5, 1946, Serial No. 674,418

10 Claims. (Cl. 188—226)

10. In a truss type brake beam, a compression member and a tension member, the end portions of said members convering towards the ends of the beam and each end portion of the compres-

sion member having a flat seat facing the tension member, a brake head receiving the end

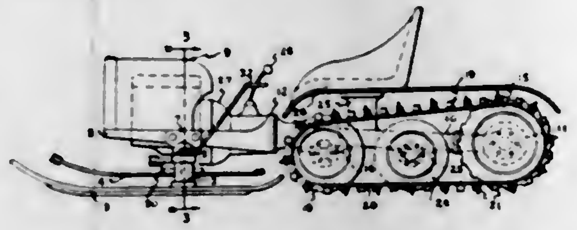


portions of said members and seated against the end and the back of the compression member, tensioning means on the end of the tension member seated against the outer side of the head, the head having a sleeve inclined to the length of the compression member and spaced inwardly from said side and receiving the tension member, a device adjacent the inner side of each head for holding said members against relative lateral movement and thereby retaining the head on the beam irrespective of the presence of the tensioning means, each of said devices comprising a one-piece body portion substantially encircling the tension member and a flat portion engaged with the adjacent seat on the compression member, and means securing said flat portion to said seat.

PATENTS

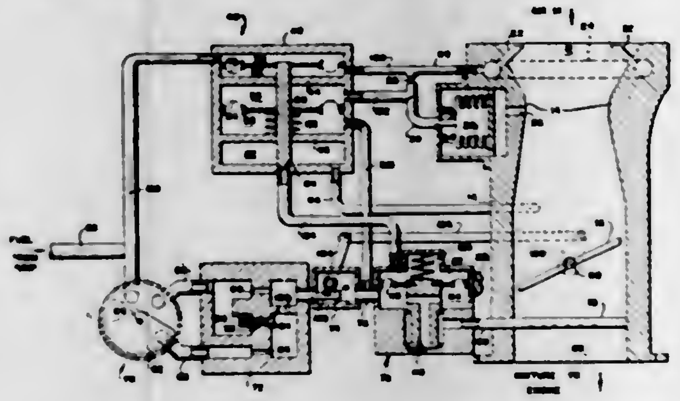
GRANTED APRIL 29, 1947

2,419,522
SNOW VEHICLE
Russel D. Acton, Danville, Ill.
Application November 25, 1944, Serial No. 565,171
10 Claims. (Cl. 180—5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



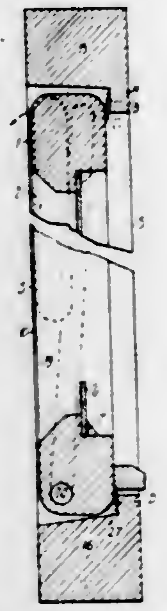
1. In a vehicle adapted to traverse soft snow, a forward motor-supporting assembly, a narrow elongated frame member extending rearwardly from said assembly and disposed substantially centrally of the gage of the vehicle, a propeller shaft journaled in said member, a transverse shaft rotatably supported by said member and geared to said propeller shaft, wheels carried by both ends of said transverse shaft, another pair of wheels supported from said frame member in alinement with the first named wheels, and a wide flexible endless track trained over the wheels at each side of said frame member being supported at its central portion by said wheels, said tracks being narrowly spaced and extending into close proximity to said narrow frame member whereby the narrow column of snow left between said tracks is insufficient in width to have any substantial supporting effect on the frame of the vehicle.

2,419,523
CARBURETOR
Paul F. Adair, Dayton, Ohio
Application October 14, 1944, Serial No. 558,706
5 Claims. (Cl. 261—69)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A fuel and air proportioning device for an internal combustion engine, comprising in combination, a first conduit for conveying air for combustion purposes to said engine, means associated with said first conduit for producing two unequal air pressures whose difference is a measure of the rate of flow of air thru said conduit, means for supplying fuel under superatmospheric pressure, a second conduit for conveying fuel from said fuel supply means to said engine, a metering restriction in said second conduit effective to control the flow of fuel therethru as a function of the fuel pressure differential thereacross, a main valve for variably restricting said second conduit to control the flow of fuel therethru, an expansible chamber having a movable wall subject on its exterior surface to the fuel pressure in said second conduit, said wall being operatively connected to said main valve for positioning the same, a restricted inlet passage connecting the interior of said chamber to said second conduit, a restricted outlet passage connecting the interior of said chamber to a point maintained at a continuously lower pressure, a pilot valve for controlling one of said restricted passages, a stem for said valve, a rigid wall for said one passage, said rigid wall being apertured to permit passage of said stem therethru, and means responsive to said difference of air pressures acting on said stem outside said wall to position said valve, the unbalanced area of said pilot valve acted on by the pressure in said one passage being negligibly small as compared to the area of said air pressure difference responsive means, so that said valve is positioned in response to said air pressure difference and substantially independently of the pressure in said one passage.

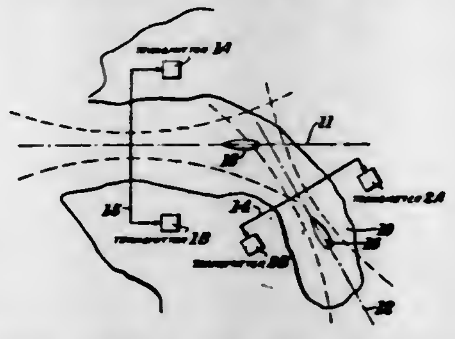
2,419,524
WINDOW SASH
Edmond Albano, New York, N. Y.
Application September 7, 1944, Serial No. 553,021
6 Claims. (Cl. 20—42)



6. A window frame having a completely reversible swinging sash, swinging arms extending between the vertical sides of said frame and said sash, said arms being pivotally connected at their frame ends to the upper ends of the inside vertical sides of the sash and at their sash ends to the centers of the corresponding opposite outside vertical sides of the sash, guide means positioned at the lower ends of the vertical sides of the sash and track means extending along the inside vertical sides of the frame to receive said guide means, said track means extending to, along side of and slightly beyond, the pivotal connections of the arms to the frames.

2,419,525
RADIO BEACON

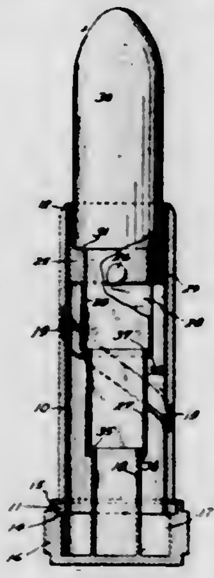
Andrew Alford, New York, N. Y., assignor to Federal Telephone and Radio Corporation, a corporation of Delaware
Application October 8, 1942, Serial No. 461,275
15 Claims. (Cl. 250—11)



1. A beacon system for defining a course line comprising means for transmitting energy in the form of spaced pairs of spaced pulses from a point on one side of said line, means for transmitting other pulses spaced at the same intervals as the spacing of said pairs of pulses, from a point on the other side of said line, means for receiving energy from both said transmitting means, and visual indicator means in the output of said receiver means for indicating the position of said other pulses with respect to said pairs of spaced pulses to provide an indication of the position of said receiver with respect to said course line.

2,419,526
SLEEVELESS EXPELLANT HOLDER FOR LIPSTICK OR THE LIKE

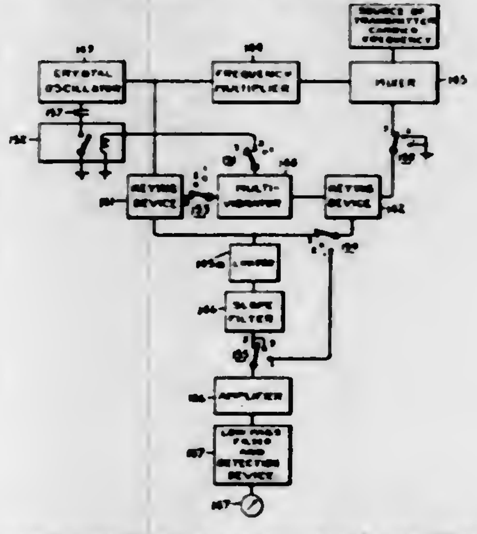
John W. Anderson, Newtown, Conn.
Application December 2, 1942, Serial No. 467,573
16 Claims. (Cl. 206—56)



1. In a handle-like applicative container for holding projecting and retracting a body of dispensible substance housed by said container, an elongated open-ended casing shell having a smooth interior cylindrical surface bordering a space within said container, a plunger adapted to carry said body of substance having a smooth cylindrical periphery slidable axially within and filling said space, a ferrule of larger diameter than the maximum girth of said shell exposed for manipulation at one end of said shell and having a central well, interengaging instrumentalities carried partly by said plunger and partly by said shell including a screw thread and a follower therefor, and extensible coupling means within said casing shell connected to be turned by said ferrule in part occupying said well and extending to the nearest end of said plunger and constructed and arranged to maintain said plunger constantly in fixed rotative relation to said ferrule throughout the former's movement lengthwise of said shell.

2,419,527
RADIO FREQUENCY TRANSMITTER MONITORING SYSTEM AND METHOD

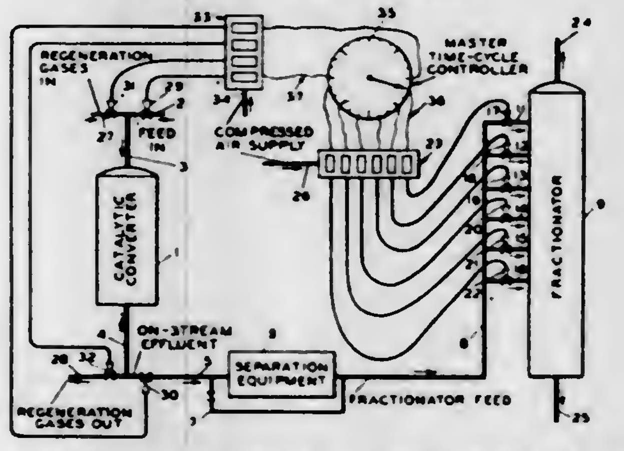
Everhard H. B. Bartelink, West Milton, N. Y., assignor to General Electric Company, a corporation of New York
Application February 27, 1943, Serial No. 477,399
21 Claims. (Cl. 250—17)



1. In combination, a source of oscillations having a frequency subject to variation, a source of oscillations of standard frequency, means including frequency responsive means having a single output circuit for recurrently and alternately measuring the frequencies of said oscillations, and means utilizing the output of said frequency responsive means to determine the magnitude and direction of any deviation of the frequency of said variable source from the frequency of said standard source.

2,419,528
CATALYTIC CONVERSION APPARATUS

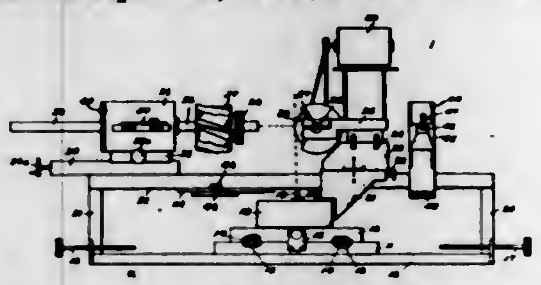
John Biegel, Kansas City, Mo., assignor to Phillips Petroleum Company, a corporation of Delaware
Application May 13, 1944, Serial No. 535,503
2 Claims. (Cl. 23—260)



1. Apparatus for carrying out catalytic conversion and recovering a desired component of the conversion effluent comprising in combination a catalytic converter having an inlet and outlet for the admission of raw material and the outflow of conversion products, a fractionating column, conduit means connecting the outlet of the converter and said column and arranged to discharge into said column through a plurality of feed inlets at different selective levels therein, valves in said feed inlets, valves in said inlet and outlet of said converter, automatic operating means for said valves, common timing means for said operating means arranged to selectively hold open that one of said first-named valves which will maintain overhead and bottom product streams of constant composition from said fractionator.

2,419,529
CONTOUR CUTTER GRINDER

Oscar M. Braaten, Rock Island, Ill.
Application July 1, 1942, Serial No. 449,311
9 Claims. (Cl. 51—100)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



6. In a cutter grinding machine of the class described, having a work supporting spindle laterally movable for feeding purposes to determine the amount of stock removal, the combination of a grinding wheel, a pair of superimposed rectilinearly guided supports for the grinding wheel, one of said supports being guided for movement normal to the axis of said spindle and the other guided for longitudinal movement parallel to the axis of the spindle, means for controlling generation of a helical grinding path about the axis of said spindle including a fixed cam, and a follower therefor mounted on said supports, a helicoidal control cam in the form of a wide vane having a right helicoidal face operatively connected to said spindle for controlling rotation thereof during longitudinal movement of the grinding wheel, a follower for determining rotation of said helicoidal cam, means operatively connecting said followers for joint movement, said helicoidal control cam being so positioned relative to the spindle as to be nonresponsive to the movement of its follower normal to the spindle axis whereby the work spindle and cam may be moved laterally for determining or varying the movement of stock removal without causing rotation thereof.

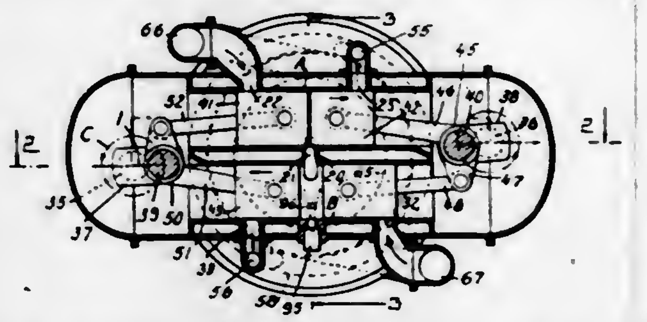
2,419,530
PRODUCTION OF HYDANTOIN

Edgar C. Britton, John E. Livak, and Maxton F. Murray, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application October 23, 1944, Serial No. 560,035
5 Claims. (Cl. 260—309.5)

1. In a method for the production of hydantoin, the steps of heating hydantoic acid together with an at least 3 normal aqueous mineral acid solution, in amount such as to contain not more than 4 chemical equivalents of the mineral acid per molecular equivalent of the hydantoic acid, to a reaction temperature between 80° and 130° C., thereafter cooling the mixture to crystallize hydantoin therefrom, separating the crystalline hydantoin from the acidic mother liquor, adding hydantoic acid to the mother liquor, heating the resulting mixture to a reaction temperature between 80° and 130° C., cooling to crystallize hydantoin, and separating the crystalline hydantoin.

2,419,531
MULTIPLE OPPOSED PISTON ENGINE

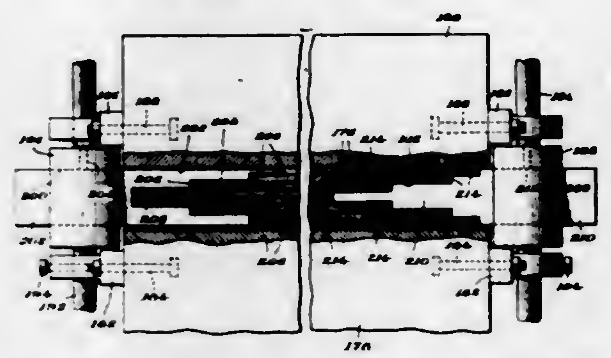
Wilhelm B. Bronander, Montclair, N. J.
Application January 23, 1945, Serial No. 574,191
21 Claims. (Cl. 123—51)



7. The method of operating the type of power unit consisting of a pair of substantially parallel centrally communicating cylinder units, each cylinder having intake and exhaust ports and having differentially operating, opposed, port controlling pistons, and a gas turbine connected to the exhaust ports of said cylinders, which comprises compressing and transferring the air charge from one cylinder to the communicating cylinder through a narrow centrally located slot, thereby adding to the charge in said communicating cylinder, during said air transfer injecting the fuel into the communicating cylinder against and into the turbulent path of the expanding air, igniting the combustible mixture, expanding the gases in both cylinders, and differentially opening and closing the ports, thereby exhaust scavenging and supercharging the cylinders for a succeeding cycle, said exhaust ports being opened to pass the expanding gases to the turbine materially ahead of the intake opening.

2,419,532
SHAPING MOLD

James H. Brown, Seattle, Wash.
Application August 6, 1943, Serial No. 497,633
3 Claims. (Cl. 144—281)

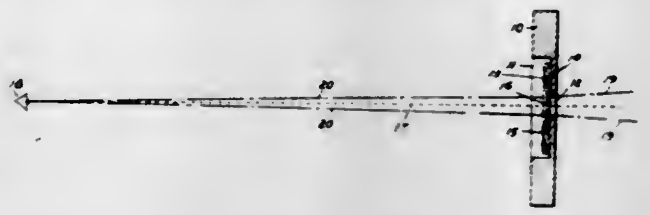


1. A shaping mold for gluing sheets of material together in laterally offset relation, comprising an aligned shoe and die, each having coacting pressure faces, vertically aligned brackets on opposite sides of said shoe and die, transversely aligned nutted clamp rods carried in certain of said brackets, transversely aligned guide rods carried in certain other of said brackets, guide bodies mounted on said guide rods and each having a transversely disposed opening, sheet guides receivable in said openings, and a set of stepped shoulders carried at the inner side of each of said sheet guides, the set of shoulders at one side of the mold being stepped in a reversed direction from that of the opposite set, said sets of shoulders projecting inwardly between said shoe and die and engaging the adjacent edges of the sheets to hold the same in a correspondingly stepped relation, whereby the oppositely stepped edges of juxtaposed sheets can be fitted

together in overlapping relation, said shoe and die being relatively shiftable for pressure engagement with said sheets by a tightening up on the nuts of said clamp rods.

2,419,533
BORE SIGHTING DEVICE INCLUDING AN APERTURED DIVERGENT LENS

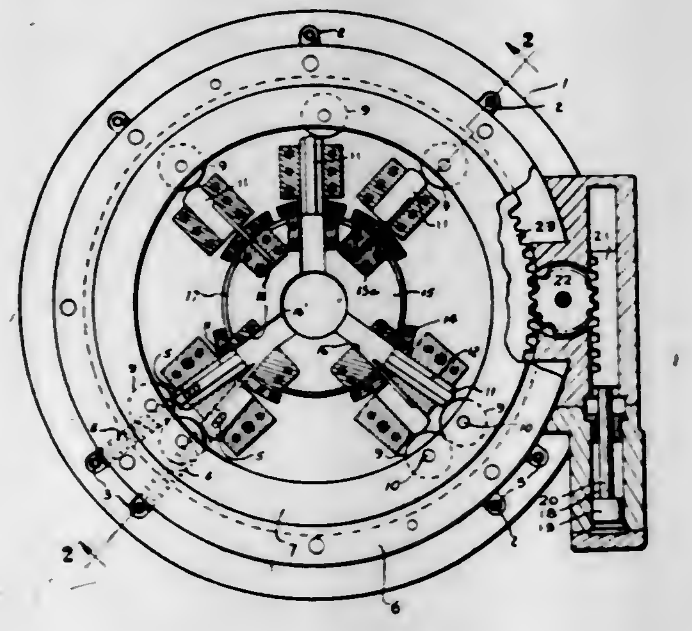
Leo H. Brown, Glenville, Conn.
Application December 17, 1943, Serial No. 514,614
3 Claims. (Cl. 88—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In combination with the barrel of a gun, a diverging lens mounted at the rear end thereof and adapted to form a reduced image of the muzzle, said lens having an aperture along its axis, said aperture being centered on the axis of said barrel.

2,419,534
DEMOUNTABLE DEVICE FOR PUNCHING TUBES

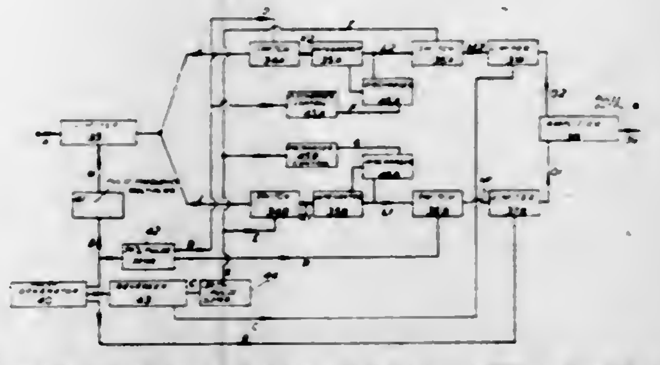
Howard A. Burleson, Indianapolis, Ind., assignor to Mouldings, Inc., Indianapolis, Ind., a corporation of Indiana
Application May 30, 1945, Serial No. 596,791
5 Claims. (Cl. 164—108)



1. In combination in a punching machine; a base plate; a mandrel on said base plate; a die detachably carried on said mandrel; punch guiding means detachably carried on said plate; a punch reciprocable in said punch guide toward and away from said die; yielding means continuously urging said punch away from said die; and means to actuate said punch toward said die for operating on a workpiece supported therebetween, said last named means comprising a circular member, anti-friction means mounted in said member adjacent to one end of said punch, and a retaining means for guiding said circular member.

2,419,535
TIME-MODULATED PULSE COMMUNICATION SYSTEM

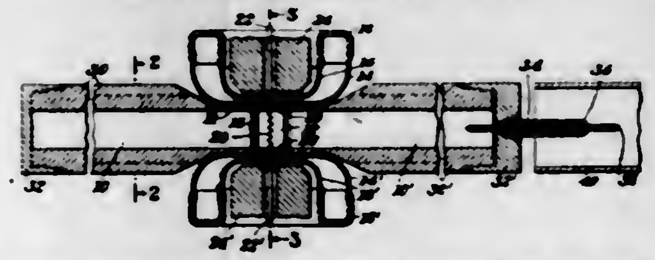
Prafulla Kumar Chatterjea and Charles Thomas Scully, London W. C. 2, England, assignors to Standard Telephones and Cables Limited, London, England, a British company
Application November 23, 1942, Serial No. 466,652
In Great Britain November 24, 1941
6 Claims. (Cl. 250—17)



1. The method of electrical signalling by duration modulated pulses which comprises generating two trains of electrical pulses of equal pulse repetition frequency, relatively displacing said pulse trains in time to such extent that the trailing edges of the pulses of one train coincide with the leading edges of the pulses of the other train, and time modulating the occurrences of the leading edges of said one train and of the trailing edges of said other train in accordance with the amplitude of a signal wave at respectively different instants of time.

2,419,536
MAGNETRON VACUUM TUBE

Paul Georges Chevigny, New York, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware
Application March 26, 1943, Serial No. 481,314
17 Claims. (Cl. 250—27.5)

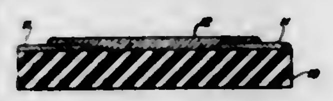


1. An electron discharge device including, an anode comprising a hollow metal pipe having a transverse opening therethrough intermediate its ends, means sealing one end of said pipe, a cathode extending through the transverse opening in said pipe and positioned substantially centrally within the hollow pipe, means attached to the opposite sides of said pipe about said transverse opening sealing said opening and supporting said cathode, magnets positioned on opposite sides of said hollow pipe and extending outwardly from said transverse opening, and sealing means attached to the other end of said hollow pipe.

2,419,537
RESISTOR

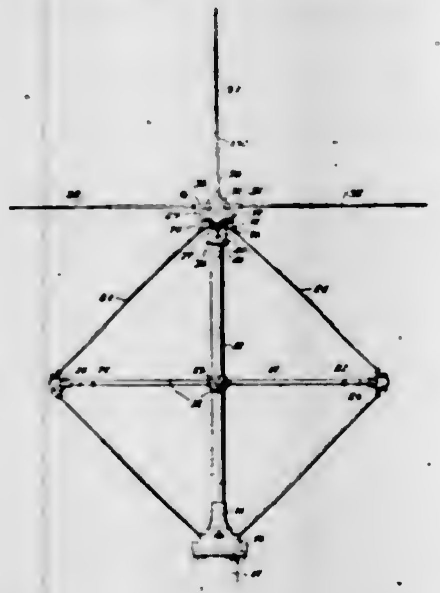
Carl J. Christensen, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 9, 1944, Serial No. 553,393
2 Claims. (Cl. 201—76)

1. A resistor comprising a body of insulation, metallic films adhering to spaced portions of said body, and an electrically resistive coating covering a portion of each of said films and extending over that portion of the body intermediate said films, said coating consisting of finely divided, metal oxide semiconductive, resistance material having a high variation of resistance with temperature dispersed in a silica medium consisting of dried silica sol, the factor of resistance dependence upon temperature of said coating being substantially the same as that of the pure semiconductive material.



2,419,538
ANTENNA SYSTEM

Trevor H. Clark, New York, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware
Application March 5, 1943, Serial No. 478,081
16 Claims. (Cl. 250—33)

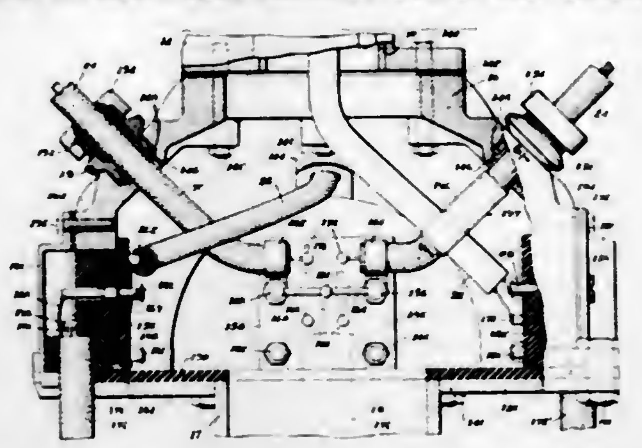


15. An antenna system comprising in combination a loop antenna comprising a pair of loops having a common axis and positioned substantially at right angles to one another, means for shielding said loop antenna, a vertical sense antenna extending upwardly above said loop antenna along the axis thereof, a counterpoise comprising conductive means substantially symmetrically disposed with respect to said sense antenna and means for mounting said counterpoise coaxially with and above said loops and below said sense antenna.

2,419,539
LOOP ANTENNA CONSTRUCTION

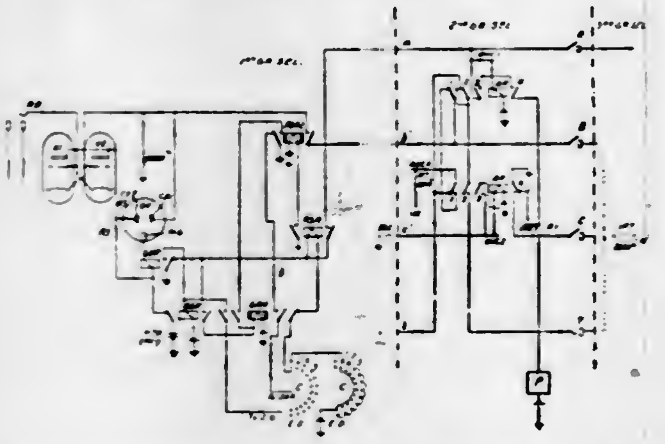
Trevor H. Clark, New York, and Philip J. Vander Woude, Riverdale, N. Y., assignors to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware
Application March 5, 1943, Serial No. 478,082
12 Claims. (Cl. 250—33)

9. A wave collector, including in combination, a hollow base member in the form of a generally hemispherical metal shell having at least three openings in its side, a terminal block mounted in one of said openings, a vertical supporting rod mounted on said hollow base member, a loop antenna attached to said supporting rod and having its lower end passing into said base member through the other openings therein, water-tight means firmly holding the loops in said two openings, a water-tight cover attached to said base member about the terminal block in the other opening, and means for electrically connecting the lower ends of the loop to said terminal block.



2,419,540
TELECOMMUNICATION SWITCHING SYSTEM

Gerald Deakin, New York, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application August 28, 1943, Serial No. 500,411
22 Claims. (Cl. 179—18)



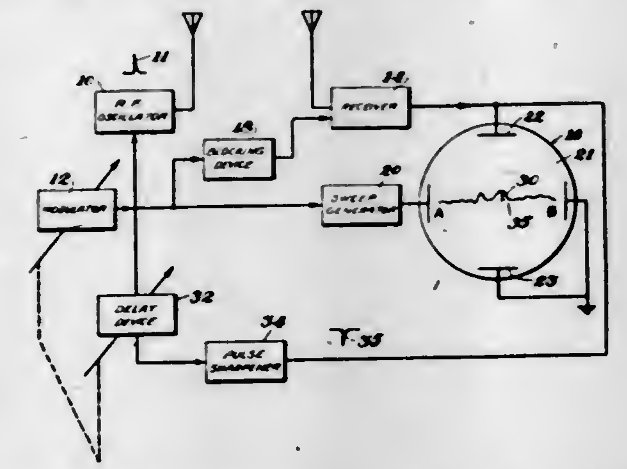
1. In combination, a switch having a first and a plurality of second sets of cooperating contacts, a source of potentials, means for applying a potential to a contact in each second set, testing means responsive to the potential so applied, a circuit for connecting the testing means to one contact of the first set and therethrough to the contact of the second set cooperating therewith and electronic means for instantaneously altering the potential applied to the contact of said second set to prevent the seizure thereof.

2,419,541
DISTANCE INDICATING DETECTION SYSTEM

Louis A. de Rosa, Staten Island, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware
Application February 20, 1943, Serial No. 476,599
8 Claims. (Cl. 250—1.66)

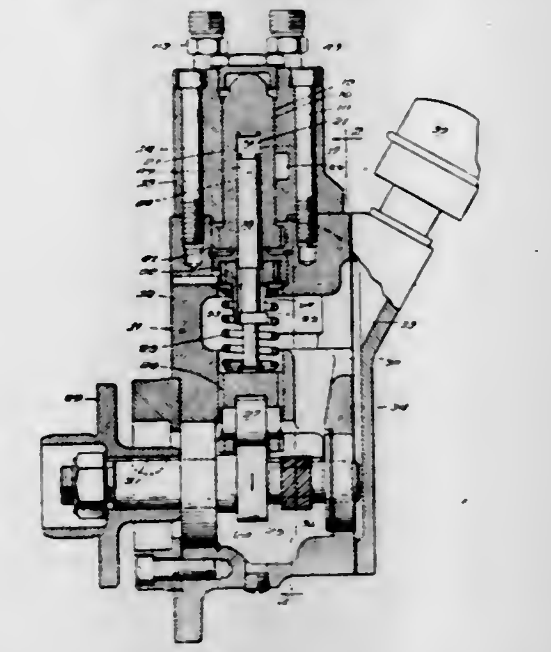
7. A combination radio detection and signaling system comprising means for transmitting recurring impulses, means to detect and indicate echo pulses caused by the presence of obstacles, means to select an echo pulse corresponding to a particular obstacle, means to measure the elapsed time between transmission of an impulse and reception of the corresponding echo pulse from said particular obstacle, and means to there-

after signal the distance of said particular obstacle by causing the transmitting means to operate at an impulse producing rate proportional to said elapsed time.



2,419,542
RECIPROCATING ROTARY DISTRIBUTING PUMP

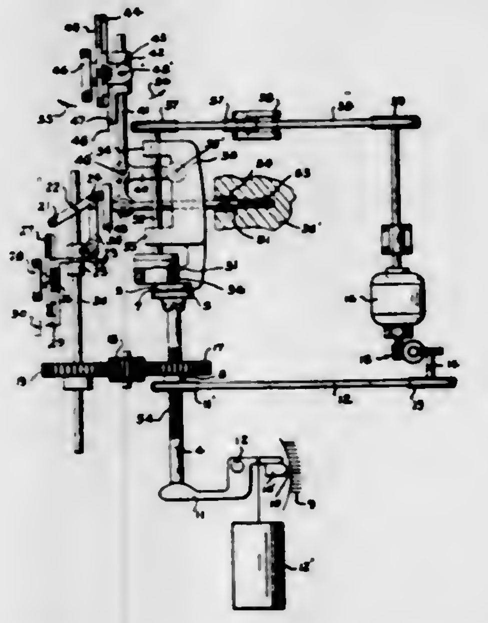
Alexander Dreisin, Chicago, and Raymond E. Peterson, Riverside, Ill., assignors to International Harvester Company, a corporation of New Jersey
Application May 31, 1945, Serial No. 596,860
8 Claims. (Cl. 103—2)



1. In a fuel pump; a casing containing a cylinder-receiving bore, fuel inlet means at a section of said bore and a plurality of fuel outlet passages communicating with said bore in circumferentially spaced relation thereabout and spaced axially of the bore from the fuel inlet means; a cylinder in said bore, said cylinder having a set of inlet ports disposed for communication between said fuel inlet means and a fuel charging zone within the cylinder, said inlet ports being spaced circumferentially of the cylinder, the cylinder also having an outlet port for the fuel charging zone and spaced axially of such cylinder from the inlet ports in position for successive registration with the outlet passages during rotation of the cylinder; a plunger reciprocable in the cylinder, while the latter rotates relatively thereto, to charge said fuel charging zone through the inlet ports during retractive reciprocal strokes and to discharge the fuel charge from said zone through the outlet port during the intervening advancement strokes; means for reciprocating the plunger in timed relation with rotation of the cylinder to effect such advancement strokes of the plunger during respective registration of the outlet port with the outlet passages; and fuel by-pass means on said plunger to establish communication between the charging zone of the cylinder and successive of the inlet ports during successive advancement strokes of the plunger following predetermined movement thereof in such advancement strokes.

2,419,543
MEANS AND METHODS OF ABRADING

Charles A. Ellis and Lawrence A. Severy, Southbridge, Mass., assignors to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application September 4, 1944, Serial No. 552,604
15 Claims. (Cl. 51—55)

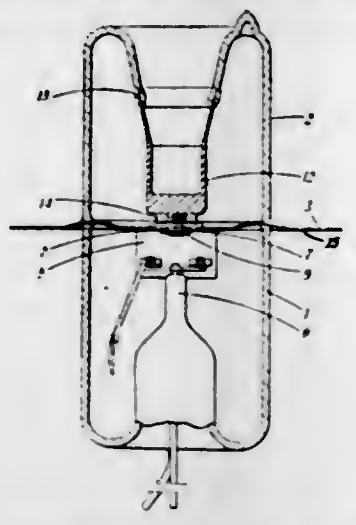


1. A device of the character described comprising a cupped type abrading tool and a holder for supporting a lens blank thereon for association with said tool, means for supporting said tool for rotation and for tilting movement about a fixed axis relative to the blank, means for establishing the range of tilt of said tool and for moving said tool from one maximum angular position to another, means for varying said range of tilt, means for rotating said holder to rotate said blank and means for causing said blank and tool to move toward each other during said abrading, the means for causing rotation of the holder and the means for causing angular movement of the tool being so interconnected that the maximum angle of movement of the tool in one direction will take place in one meridian of the blank and the maximum angle of movement of the tool in the other direction will take place in another meridian of the blank to thereby form a toric lens surface.

2,419,544
ELECTRON DISCHARGE TUBE

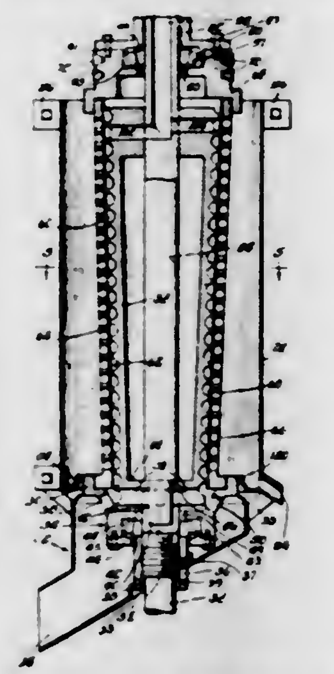
John Foster, London W. C. 2, England, assignor to Standard Telephones and Cables Limited, London, England, a British company
Application June 2, 1942, Serial No. 445,509
In Great Britain June 13, 1941
4 Claims. (Cl. 250—27.5)

1. An electron discharge tube comprising a cathode, a grid, an anode, two envelope portions separated by a metallic disc which extends outside said envelope portions, said cathode and grid comprising a unit, means mounted in one envelope portion supporting said unit, means mounted in the other envelope portion supporting said anode, said metallic disc being provided with an aperture adjacent said grid, and a plurality of contact springs mounted on said grid supporting means and contacting the metallic disc and forming an electrical connection between the metallic disc and the grid.



2,419,545
METHOD OF AND APPARATUS FOR EXTRACTING JUICE

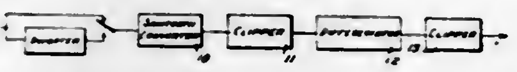
Herbert Edward Gray and Arvid Manuel Erickson, San Jose, Calif., assignors to Barron-Gray Packing Company, San Jose, Calif., a corporation of California
Application June 19, 1940, Serial No. 341,346
10 Claims. (Cl. 99—105)



1. A rotatable cylinder adapted to be employed in a centrifugal juice extractor comprising said cylinder and an encircling, rotatable, straining screen spaced slightly from said cylinder, said cylinder comprising a circumferentially continuous, annular portion provided on its outer surface with a continuous spiral groove of relatively small cross-sectional area extending substantially from the top to the bottom thereof and communicating at one end with a source of juicy pulp, the said groove being of such pitch that adjacent portions thereof are separated by a distance equal to a small fraction of the width of the groove, and said cylinder being of such length that it is encircled by said groove in excess of ten times.

2,419,546
DELAY CIRCUIT

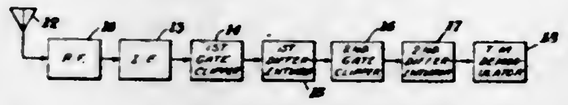
Donald D. Grieg, New York, N. Y., assignor to Federal Telephone and Radio Corporation, a corporation of Delaware
Application March 20, 1942, Serial No. 435,498
11 Claims. (Cl. 178—44)



10. The method of generating a series of recurrent impulses delayed a predetermined amount with respect to a like series of impulses which comprises conditioning a first generator to initiate by each of said like impulses a saw-tooth voltage wave, generating a second voltage wave which varies abruptly between lower and higher substantially constant predetermined voltage values, the lower voltage value of said wave being determined by a predetermined value of said saw-tooth wave, the higher voltage value of said wave being determined by limiting action, and differentiating said second voltage wave thereby producing said series of recurrent delayed impulses.

2,419,547
WAVE TRANSLATOR

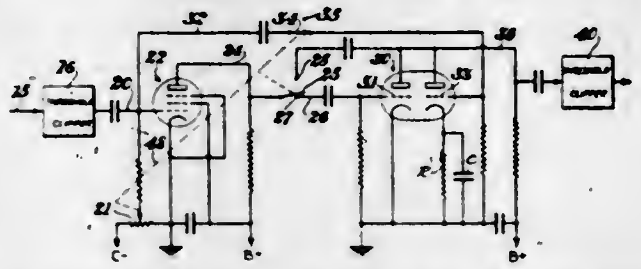
Donald D. Grieg, Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware
Application April 30, 1943, Serial No. 485,104
14 Claims. (Cl. 250—27)



1. A method of translating an amplitude modulated carrier wave into an equivalent train of time modulated impulses comprising translating the undulations of the amplitude modulated carrier wave into a trapezoidal wave the slope of the side edges of which correspond in substantially linear proportion to the amplitude of the corresponding undulations, translating the trapezoidal wave into rectangular pulses which vary in width according to the slope of the corresponding side edges of the trapezoidal wave, and translating said rectangular pulses each into at least one narrow width impulse corresponding in displacement to an edge of a rectangular pulse.

2,419,548
DISCRIMINATOR CIRCUIT

Donald D. Grieg, Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware
Application May 15, 1943, Serial No. 487,071
11 Claims. (Cl. 178—44)



1. A method of eliminating from a pulse modulated wave those pulses of greater and lesser amplitude than a given amplitude comprising threshold clipping the wave at an amplitude greater than the smaller amplitude pulses but less than said given amplitude, threshold clip-

ping and inverting in phase that portion of the wave clipped above said given amplitude, and mixing the inverted pulse energy with the pulse energy obtained by the first-mentioned clipping operation, whereby the output pulses corresponding to the greater amplitude pulses are substantially eliminated giving a pulse output corresponding to those pulses of said given amplitude.

2,419,549

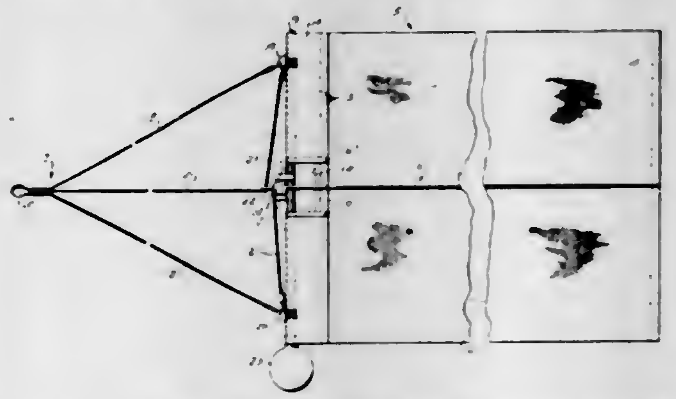
RADIO REFLECTING AND LOW DRAG TOW TARGET

John W. Griesinger, Dayton, Ohio, and Hymen Goldstein, Fairlawn, N. J.

Application August 24, 1944, Serial No. 551,046

2 Claims. (Cl. 273—105.3)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. A radio reflecting tow target comprising two flag-type bodies including a pair of front bars pivotally connected at the central points to enable folding the bodies together, wire mesh material secured at its leading edge on each bar and extending flag-type therefrom, said mesh material being joined along the longitudinal middle line to provide intersecting bodies and the meshes being spaced relatively closely for efficiently reflecting radar waves, towing means including a long pair and a short pair of cables joined into a loop at the front and each pair having the rear ends connected to the end parts of one of the bars, with the cables of the longer pair also extending slidably through means on the end parts of the other bar, stop means on the bars to limit their unfolding movement when normal to each other, thus providing a bridle arrangement to draw the bodies normal to each other during launching, and a weight on an end of one of said bars to position its body in a vertical plane during the towing operation.

2,419,550

APPARATUS FOR REMOTELY REPEATING ANGULAR INDICATIONS

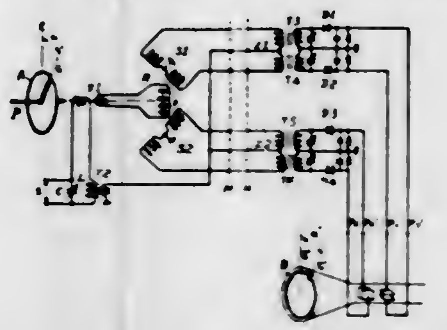
René Hardy, Lyon, France, assignor to International Standard Electric Corporation, New York, N. Y.

Application May 24, 1943, Serial No. 488,790

In France January 17, 1941

3 Claims. (Cl. 177—337)

1. System for the repetition of angular indication by the representation of a radial line on the screen of a cathode ray tube, including at the transmitter a main primary inductor, means for feeding alternating current thereto, means for positioning said inductor in accordance with the angle to be transmitted, two secondary inductors in quadrature and variably coupled to said primary inductor in accordance with the position assumed thereby, transmission lines from each secondary inductor to the receiver, a receiving transformer fed from each secondary inductor, rectifying means connected to each receiving transformer, a cathode ray tube having two deflecting systems for two dimensional determination of the cathode screen spot, means for feeding each deflecting system from a respective receiving transformer, and means for radially modulating the beam of said tube, said last means including at the transmitter means for producing two alternating currents of the same frequency and phase, means for modulating one current in amplitude and feeding it to said main primary inductor, means for feeding said other current between ground and the center point of both secondary inductors and both receiving transformers, whereby after rectification, voltages modulated in quadrature appear at said deflecting systems and thereby cause radial modulation of said screen spot so as to simulate a radial line, and whereby the relative values of said voltages in quadrature determine the polar coordinate θ of said radial line in correspondence with the said position assumed by said main inductor.



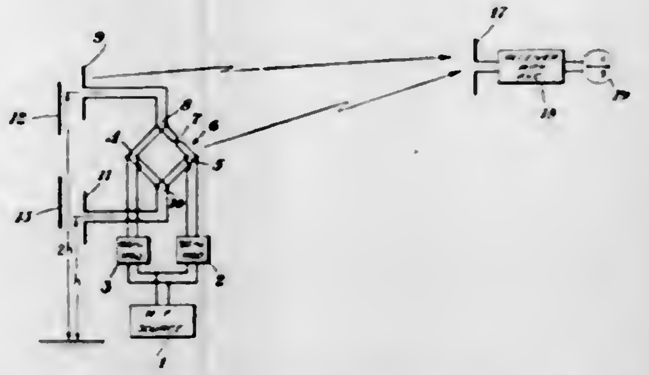
2,419,551

GLIDE PATH SYSTEM

Leon Himmel, New York, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware

Application May 1, 1944, Serial No. 533,472

6 Claims. (Cl. 250—11)



1. In a radio glide path beacon of the equi-signal type for guiding a craft to a landing point on a landing runway in which a glide path is defined by the intersection of a first and a second radiation pattern carrying differently characterized signal energy, and in which the glide path radiators are displaced with respect to a landing runway, a system for producing a reduction of sharpness of course indications in a receiver indicator, comprising means for providing carrier and signal side band energy defining said first radiation pattern, means for providing signal side band energy only, defining said second radiation pattern, and means for establishing the horizontal distribution of said patterns with respect to one another to provide an increased energy level in said first pattern with respect to said second pattern in the vicinity of said landing runway adjacent to the landing point.

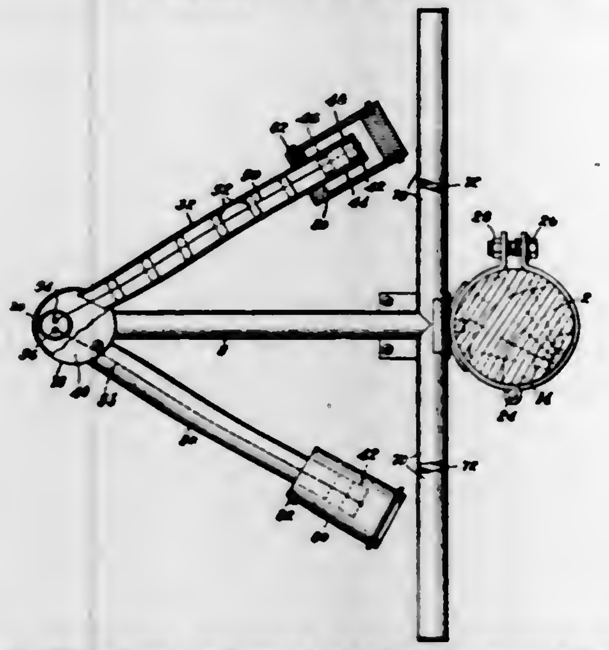
2,419,552

RADIO ANTENNA

Leon Himmel and Morton Fuchs, New York, N. Y., assignors to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware

Application June 12, 1943, Serial No. 490,570

8 Claims. (Cl. 250—11)



1. A directive antenna system comprising two antenna arms inclined at an angle to each other to form a V, the length of each of said arms being substantially one-quarter wavelength, a linear reflecting element positioned adjacent the open end of said V and substantially one-quarter wavelength from the apex of said V, the length of said reflecting element being substantially one-half wavelength, all of said lengths being in terms of the operating wavelength of said antenna system, and means for energizing said antenna arms, said energizing means comprising capacitance elements, one capacitance element being mounted adjacent the open end of each of said antenna arms, and a transmission line extending through each of said arms and connected to said capacitance element.

2,419,553

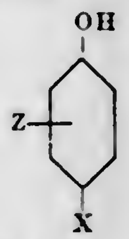
NUCLEAR SUBSTITUTED 2-HYDROXY-BENZOPHENONES AND METHOD OF MAKING SAME

Thomas Houtman, Jr., Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application March 2, 1945, Serial No. 580,714

16 Claims. (Cl. 260—591)

1. The method which comprises admixing approximately equimolecular amounts of aluminum chloride, an aroyl halide and a phenol having the general formula:



wherein X represents a member of the group consisting of halogen atoms and alkyl groups containing not more than 2 carbon atoms and Z represents a member of the group consisting of hydrogen, halogens, and alkyl radicals containing not more than 2 carbon atoms, while stirring and heating the mixture at temperatures between 90° and 140° C., and thereafter raising the temperature of the mixture to between 160° and 190° C.

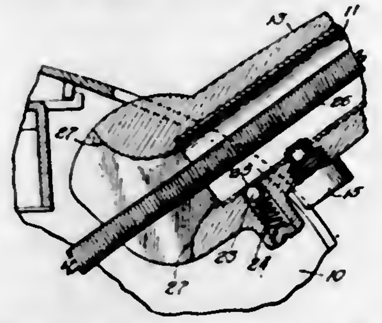
2,419,554

HANDLE FOR SUCTION CLEANERS

Frank S. Howard, Chicago, Ill., assignor to Birtman Electric Company, a corporation of Illinois

Application January 15, 1945, Serial No. 572,834

7 Claims. (Cl. 306—12)



1. A handle structure for a suction cleaner or the like capable of being easily adjusted to one of a number of given positions in a substantially vertical plane comprising a handle extending into the cleaner, a pivot within the cleaner about which the handle may be turned, a generally arcuate fixed plate mounted in the cleaner and beyond the bottom end of the handle with the center of its radius of curvature substantially coinciding with the center of pivot of the handle, a plurality of notches in the arcuate plate, a movable extension piece on the bottom of said handle structure extending outwardly normally to engage one of said notches and hold the handle in a given position, and means for disengaging the movable extension piece from its engaged notch by turning the handle about its central axis.

2,419,555

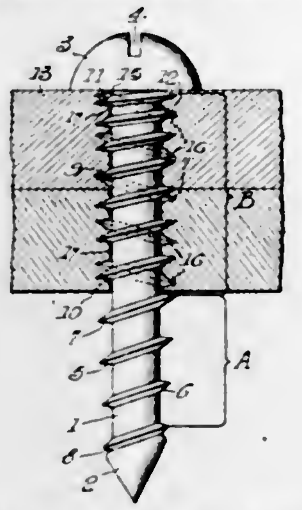
SELF-THREADING AND LOCKING SCREW

Charles D. Fator, San Antonio, Tex.

Application April 19, 1940, Serial No. 330,524

3 Claims. (Cl. 85—46)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



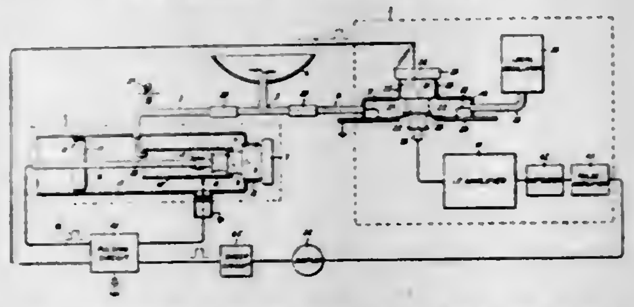
1. A device of the character described, wherein a pair of plates are held together by a self-threading screw comprising a body having a single continuous thread thereon and adapted to enter the plates at one end, and wherein a guiding portion is provided on the entering end of said body and a head provided on the other end of said body, said thread comprising alined and joined threaded sections, one of said threaded sections having a constant pitch and decreasing in diameter from another threaded section toward said guiding portion, said first-mentioned threaded section being adapted to form a threaded path having helices of constant pitch in said plates and wherein said second-mentioned threaded section has a constant diameter and decreases in pitch toward said head and is adapt-

its; and means operated by the supply of fluid to said retracting means for adjusting both of said spaced means a predetermined distance in said advancing direction.

2,419,564
RADIO TRANSMITTER-RECEIVER SWITCHING SYSTEM

James E. Keister, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

Application June 10, 1943, Serial No. 490,249
6 Claims. (Cl. 250—13)

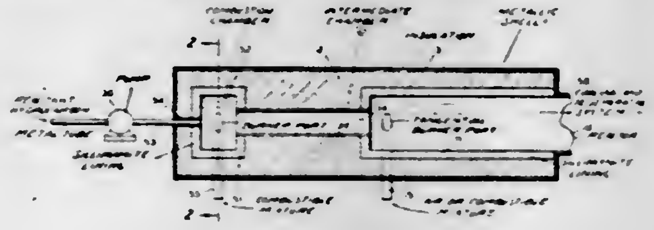


1. In combination, a receiver having an input circuit with an electron discharge device having a control grid, the effective grid bias of said device being adjustable between values permitting and preventing the flow of signals through the receiver, a transmission line having one end coupled to the receiver input circuit and the other end connected to a transmitter and to an antenna, said transmission line having a length such that when said grid bias is adjusted respectively to permit and to prevent the flow of signals through the receiver a low and a high impedance respectively appears at said other end of the transmission line, and keying means for causing the transmission of signals and the adjustment of said grid bias to a value preventing the flow of signals through the receiver whereby a high impedance is offered to the flow of the transmitted signals to the receiver.

2,419,565
CARBON BLACK PROCESS AND APPARATUS

Joseph C. Krejci, Kaw, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application December 14, 1942, Serial No. 469,016
14 Claims. (Cl. 23—209.8)

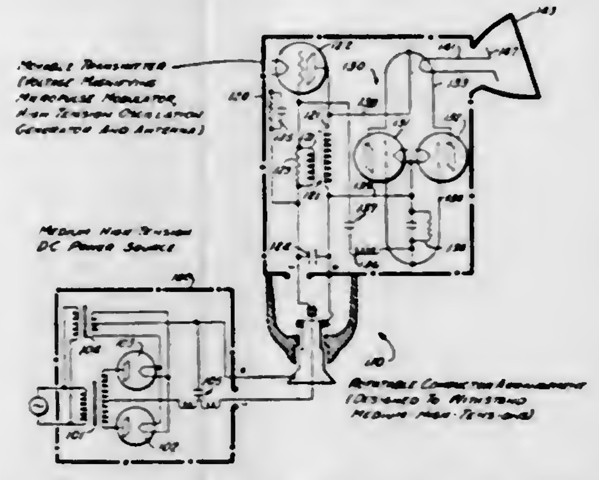


1. The process of producing carbon black comprising continuously introducing reactant hydrocarbon in the gaseous state into a cylindrical combustion chamber having an inlet end wall and an open outlet end, introducing into the combustion chamber a combustible mixture and burning the same to partially preheat the reactant hydrocarbon by direct heat exchange with the flame and combustion products, passing the partially heated reactant hydrocarbons, flame and combustion products into an intermediate chamber where the reactant hydrocarbon is further heated by direct heat exchange with the combustion products and flame from the combustion chamber, passing the preheated reactant hydrocarbon, flame and combustion products into a reactor chamber which is an unobstructed elongated chamber having an inlet end wall of generally circular transverse cross section and an open outlet end, introducing oxygen-containing gas into the reactor near the inlet end wall through a burner port, said burner port being positioned to direct the flow of said oxygen-containing gas in a direction tangent to the inner surface of the side wall and with the predominating component of motion perpendicular to the longitudinal axis of said cylindrical chamber, burning the mixture of reactant hydrocarbon and oxygen-containing gas to maintain the temperature of the reactor chamber at the carbon black forming temperature, the oxygen-containing gas being introduced through said burner port at a sufficiently high velocity and in sufficient quantity to maintain by centrifugal force the flame and combustion products adjacent the whole inner surface of the reactor side wall thus forming a separating layer of said flame and combustion products between the side wall of the reactor and the reactant hydrocarbon, cooling the effluents of the reactor chamber to below the carbon black forming temperature and separating the carbon black from the products of combustion.

2,419,566
PULSED OSCILLATOR

Emile Labin, New York, N. Y., assignor to Federal Telephone & Radio Corporation, a corporation of Delaware

Application March 7, 1942, Serial No. 433,762
9 Claims. (Cl. 250—36)



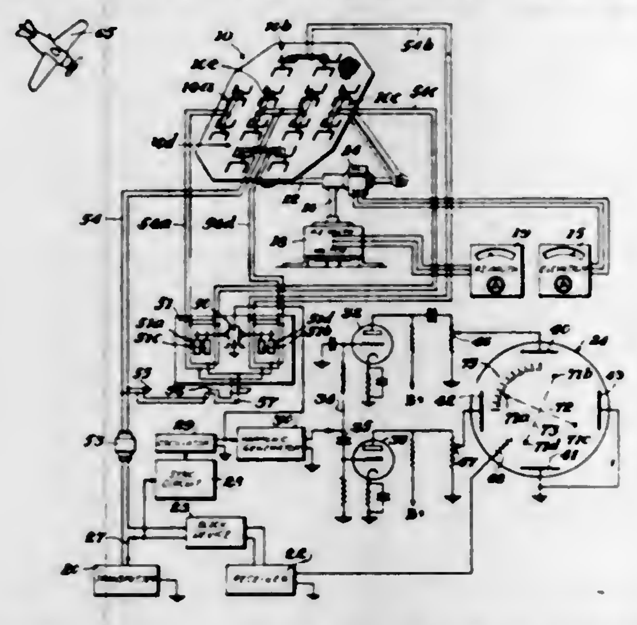
2. A wave train generating system comprising a first unit including a direct current source of predetermined voltage; a second unit including means for converting direct current energy of said predetermined voltage into brief pulses of substantially higher voltage than said predetermined voltage, and oscillator means for converting said energy of said substantially higher voltage into high frequency wave energy; and conducting means connecting said direct current source to said converting means, the maximum voltage safely applicable to said conducting means being substantially lower than the maximum voltage safely applicable to said oscillator means.

2,419,567
RADIO DETECTION SYSTEM

Emile Labin, New York, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware

Application February 27, 1943. Serial No. 477,352
16 Claims. (Cl. 250—1.62)

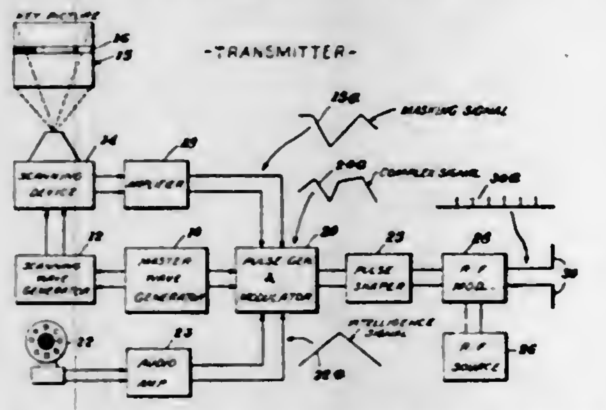
16. A radio detection system having directional antennae for scanning successively a radiation pattern over predetermined radiation areas, an impulse transmitter, a receiver, means for synchronizing said transmitter and receiver with said scanning antennae so as to transmit an impulse over the antennae while the radiation pattern covers each of said radiation areas with a predetermined time interval thereafter for reception of reflection pulses caused by obstacles in response to said impulse, an indicator, means to apply the reflection pulses to said indicator to produce thereon a separate indication for reflection pulses received during the scanning of the different areas, and means to change the scanning position of the antennae until the indications are of the same quality for a particular obstacle.



2,419,568
TRANSMISSION SYSTEM

Emile Labin, New York, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware

Application July 16, 1943, Serial No. 494,924
12 Claims. (Cl. 250—6)

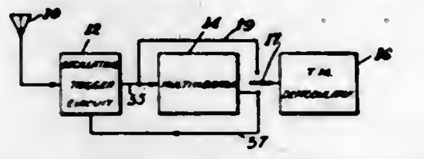


1. A system for secret signalling comprising, at the sending station, means to produce a transmission medium having a given timing characteristic, means to generate a masking signal from a given key, means utilizing said given time characteristic of said medium to control the generation of said masking signal, and means to modulate said medium according to the instantaneous value of said masking signal and an intelligence signal to be transmitted, whereby said masking signal operates to mask said intelligence signal; and at the receiving station, of means to generate an unmasking signal from a key corresponding in likeness to said given key, means responsive to the timing characteristic of said transmission medium to control the generation of said unmasking signal, and means to apply said unmasking signal to said transmission medium to remove therefrom the masking signal component thereof.

2,419,569
RADIO RECEIVER

Emile Labin, New York, and Donald D. Grieg, Forest Hills, N. Y., assignors to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware

Application May 24, 1943, Serial No. 488,181
14 Claims. (Cl. 250—20)

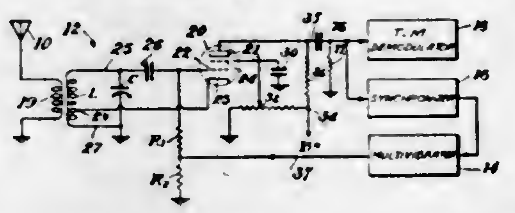


1. A radio receiver for time modulated pulse reception, comprising an oscillating trigger circuit having normal interval operation at a lower frequency than the unmodulated pulse repetition frequency of a given time modulated pulse source, means controlled by the oscillations occurring in the oscillating circuit for each operating interval to produce a voltage impulse, means to apply energy received from said pulse source to said circuit to synchronously control the operation thereof, whereby the impulses produced correspond in occurrence to the pulse occurrence of said source, and means for demodulating the impulses.

2,419,570
RECEIVER CIRCUIT

Emile Labin, New York, and Donald D. Grieg, Forest Hills, N. Y., assignors to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware

Application May 24, 1943, Serial No. 488,183
19 Claims. (Cl. 250—20)



1. In a radio receiver for time modulated pulse reception, an oscillating trigger circuit operating at a lower frequency than the unmodulated pulse repetition rate of a given time modulated pulse source for production of an impulse for each operating interval thereof, pulse generating means operating to produce voltage pulses at substantially the unmodulated pulse repetition rate of said pulse source, said circuit having voltage means for controlling the operating rate of said circuit, and means for applying said voltage pulses to said voltage means to increase the susceptibility of said circuit to actuation by input pulses for pulse reception intervals at least as large as the maximum degree of modulation of the pulses from said source.

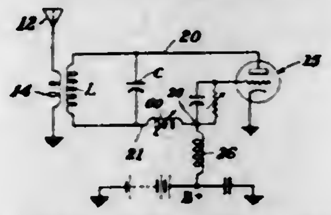
2,419,571
SELECTIVE PULSING DEVICE

Emile Labin, New York, and Donald D. Grieg, Forest Hills, N. Y., assignors to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware

Application July 1, 1943, Serial No. 492,996
4 Claims. (Cl. 250—15)

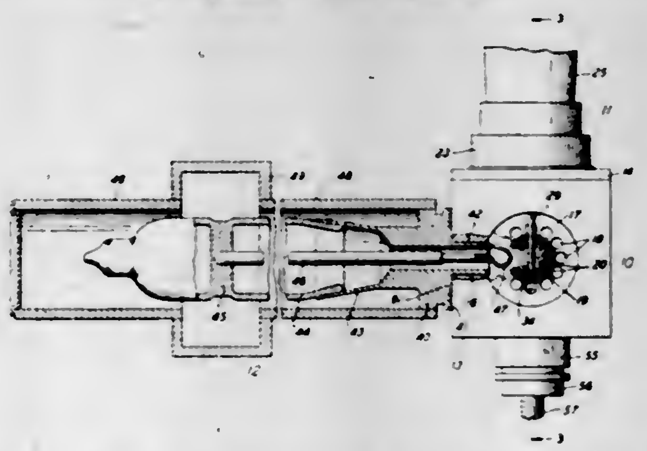
1. A selective pulsing device for relaying at greatly amplified intensity the pulses of a pulse modulated carrier wave comprising an oscillating trigger circuit adjustable for normal interval operation at a slightly lower pulsing rate than the lowest pulse timing of said carrier wave,

said trigger circuit having a vacuum tube with a control grid, a control circuit for said oscillating circuit, means to apply energy of the carrier wave to the control circuit to trigger said oscillating circuit for an operating interval in response to each pulse of said carrier wave, said control circuit including the grid of said tube together with a resistance-capacitance combination adjustable to control the timing of said normal interval operation, whereby the duration of the output pulse oscillations is adjustable, and said energy applying means being adapted to receive and radiate energy from said oscillating circuit during the operating interval thereof.



2,419,572
ELECTRON DISCHARGE DEVICE

Joseph P. Laico, Springfield, N. J., and Victor L. Ronci, New York, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 5, 1944, Serial No. 529,598
6 Claims. (Cl. 315—5)

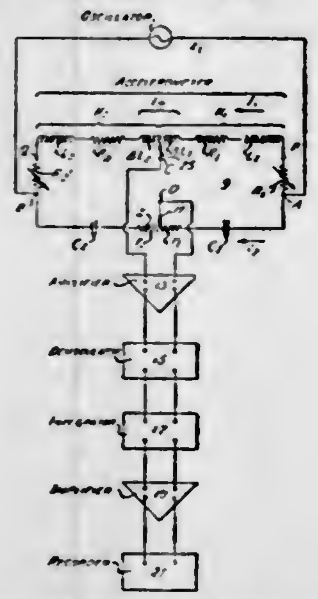


1. An electron discharge device comprising a block having a pair of external seating surfaces and enclosing an anode member, said block having a pair of apertures extending from one of said seating surfaces to adjacent the ends of said anode member and a third aperture extending from the other of said surfaces to adjacent one end of said anode member, a first assembly comprising a coupler member seated upon said one surface and mounting a pair of leading-in conductors extending through said pair of apertures, a cathode adjacent said anode member and supported by said conductors, and a second assembly comprising a coupler member seated upon said other surface and mounting an output conductor extending through said third aperture into proximity to said anode member.

2,419,573
ELECTRICAL MEASUREMENT OF CHANGES OF IMPEDANCE

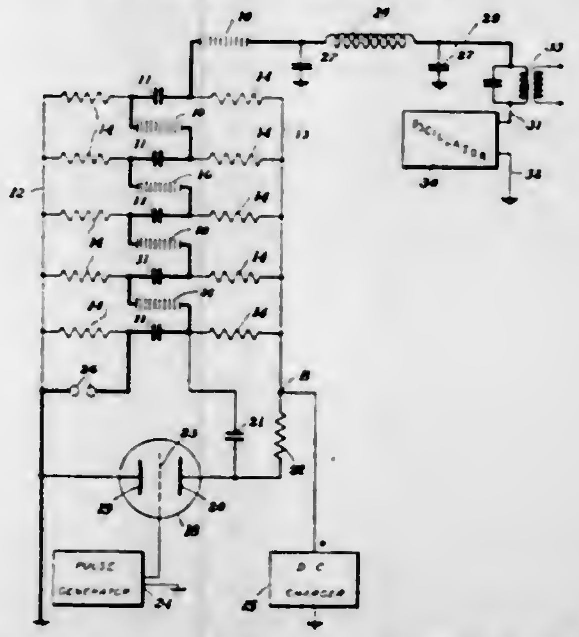
Reed C. Lawlor, Alhambra, Calif., assignor to Consolidated Engineering Corporation, Pasadena, Calif., a corporation of California
Application February 26, 1943, Serial No. 477,323
1 Claim. (Cl. 177—351)

In electrical apparatus adapted to measure changes in impedance and including a bridge, two coils disposed respectively in the two arms of one branch of the bridge, means for changing the impedance of at least one of the coils, means for impressing a carrier wave across the input of the bridge, whereby the carrier wave is modulated by a change of impedance in said coils, and means connected to the output of the bridge for measuring the carrier wave, the combination which comprises a balancing potentiometer having a resistance disposed in both arms of the second branch of the bridge, and impedances comprising resistances disposed respectively in the two arms of the first branch and capacitances disposed respectively in the arms of the second branch, said impedances being adjustable to such values as to produce a voltage in the balancing potentiometer that is in phase with a change in voltage across either coil.



2,419,574
IMPULSE GENERATING SYSTEM

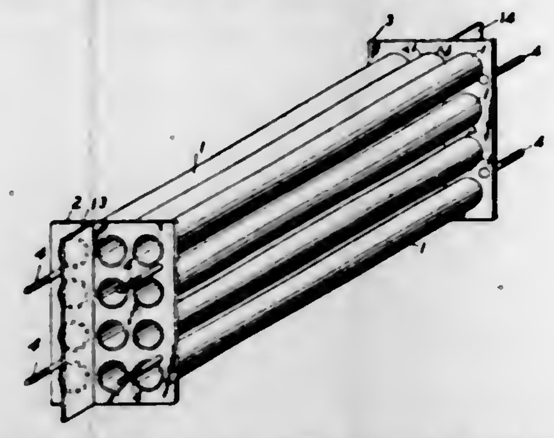
Gerard J. Lehmann, New York, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application October 30, 1943, Serial No. 508,288
4 Claims. (Cl. 171—97)



2. A system for generating regularly repetitive high voltage electrical pulses comprising a plurality of condensers and discharge devices connected alternately in series, means for charging the condensers to a voltage below the breakdown voltage of said discharge devices including a source of charging energy connected to said condensers in parallel, a source of low voltage electrical triggering pulses, a vacuum tube comprising a cathode, a control grid and an anode, means for connecting said source of low voltage electrical pulses to said grid, and means for connecting said cathode and anode to the respective terminals of one of said condensers.

2,419,575
HEATER

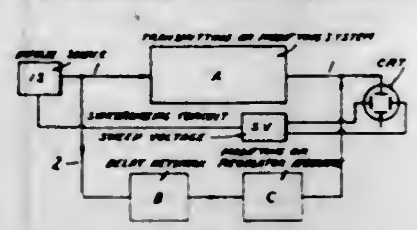
Byram Leonard, Eldorado, Ohio
Application March 5, 1945, Serial No. 581,010
3 Claims. (Cl. 257—240)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A water heater for vehicles adapted to utilize the exhaust gases from an internal combustion engine, comprising an elongated shell, tube sheets in said shell spaced from the ends thereof and forming with the walls of the shell a chamber at each end of the shell and an elongated liquid-tight compartment between said sheets, a plurality of rows of equally spaced vertically and horizontally aligned tubes carried by said tube sheets and extending through said compartment with their ends opening into said chambers, a vertical baffle in each of said chambers between the tube sheets and the walls of the shell vertically separating the rows of tubes, said baffles on the respective tube sheets being so positioned relative to the open ends of the tubes whereby the flow of gases passing through said tubes is reversed, an inlet opening in the shell substantially aligned with the upper tube in the first vertical row of tubes at one end of the shell, and an outlet opening in the opposite end of the shell and substantially aligned with the lowermost tube in the last vertical row of tubes.

2,419,576
APPARATUS FOR MEASURING SHORT TIME INTERVALS

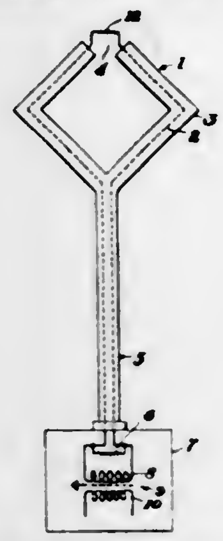
Maurice Moise Levy, London W. C. 2, England, assignor to Standard Telephones and Cables Limited, London, England, a British company
Application September 11, 1942, Serial No. 458,057
In Great Britain January 24, 1941
5 Claims. (Cl. 161—15)



1. Timing apparatus comprising a cathode ray oscillograph having means for effecting periodic sweep deflecting of the ray, two transmission paths having propagation times whose difference is known, one of said paths comprising an adjustable delay network having known delay characteristics, means acting in synchronism with said sweep deflecting means for impressing impulses on both said paths simultaneously and means for connecting output from both said paths to the deflecting elements of the cathode ray oscillograph to produce a composite trace in a direction different from that of the sweep deflection, whereby the distance along the sweep direction between those components of the composite trace due to one transmission path and the corresponding ones due to the other path represents said known difference of propagation time independently of the rate of sweep deflection.

2,419,577
ANTENNA SYSTEM

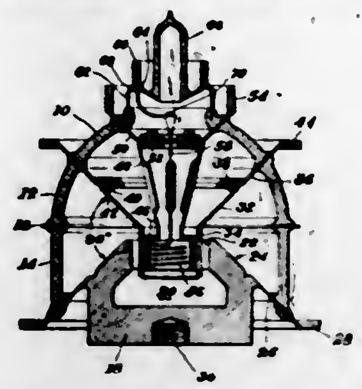
Lester L. Libby, East Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application March 12, 1945, Serial No. 582,206
4 Claims. (Cl. 250—33)



1. In an antenna system including a shielded loop antenna said shield having a gap therein, a transmission line coupled at one end to said loop antenna and terminating means coupled to the other end of said transmission line; means for attenuating the effects of resonances in said system comprising resistive means mounted within said loop antenna in series therewith and having a value in the order of one-half to two times the surge impedance of the line formed by the loop and its shield.

2,419,578
ELECTRON DISCHARGE DEVICE

Charles V. Litton, Redwood City, Calif., assignor to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware
Application July 9, 1943, Serial No. 494,043
14 Claims. (Cl. 250—27.5)



1. An electron discharge device comprising a hollow insulating envelope open at both ends, an anode structure closing one end of said envelope, said anode structure comprising a metallic mass having a cylindrical central bore in one end the outer surface of said mass about said bore slop-

ing downwardly in all directions forming a generally frusto-conical face, and integral extensions on said conical face projecting through and forming a sealing connection with the edge of the one end of said insulating envelope, a grid positioned within said cylindrical bore, a generally inverted frusto-conical metallic grid support attached at its smaller end to said grid and extending upwardly and outwardly through the walls of said envelope, a cathode positioned within said grid, and cathode support means closing the other end of said envelope.

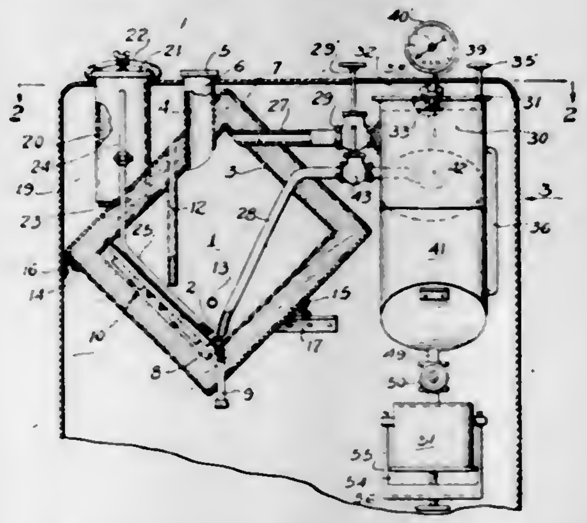
2,419,579

APPARATUS FOR RE-REFINING LUBRICATING OIL

Myran J. Livingston, Pelham, N. Y.

Application August 4, 1944, Serial No. 548,114

5 Claims. (Cl. 196—16)



1. An apparatus for treating oil, which comprises a treating chamber, a sealable oil inlet to said chamber, an air and steam inlet to the bottom of said chamber, a vapor outlet from said chamber, a condenser connected to said vapor outlet, a valve in said connection between said treating chamber and said condenser, an oil transfer tube passing through an upper portion of the wall of said treating chamber and extending into and terminating at the lower point of said treating chamber, an oil receiving chamber, a pipe connecting said receiving chamber and said transfer line, a valve in said pipe connection between said oil transfer tube and said oil receiving chamber, a separate air pressure line connected to said reeciver, a vapor outlet from said oil receiving chamber, a connection between said vapor outlet and said condenser, a valve in said last-mentioned connection, a vacuum generating means connected to said condenser, a liquid discharge line connected to said receiving chamber, and a filter connected to said discharge line.

2,419,580

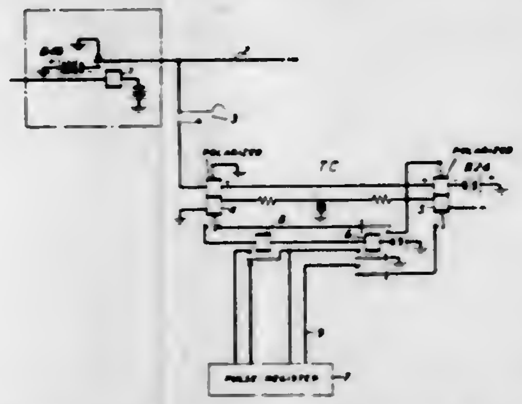
TESTING SYSTEM FOR IMPULSE GENERATORS

Hugh D. MacPherson, West New Brighton, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application February 24, 1945, Serial No. 579,647

5 Claims. (Cl. 179—175.2)

4. In a system for testing the output of a pulse source, a work circuit, an impulse source adapted to alternately connect direct current potential and ground to said work circuit for a predetermined time interval and at a uniform rate of recurrence, an auxiliary source of potential of the same polarity as, but of different voltage from, the potential supplied by said pulsing source, a test circuit comprising a pair of polarized relays biased in a non-operate direction and having their operate windings serially included in a circuit between the output of said impulse source and said auxiliary source of potential, said operate windings being so connected in the circuit that one relay is operated when the pulsing source transmits direct current potential and the other relay is operated only in response to transmission of ground impulses, and a pulse register controlled over a circuit including released contacts of the first relay and operated contacts of the second.



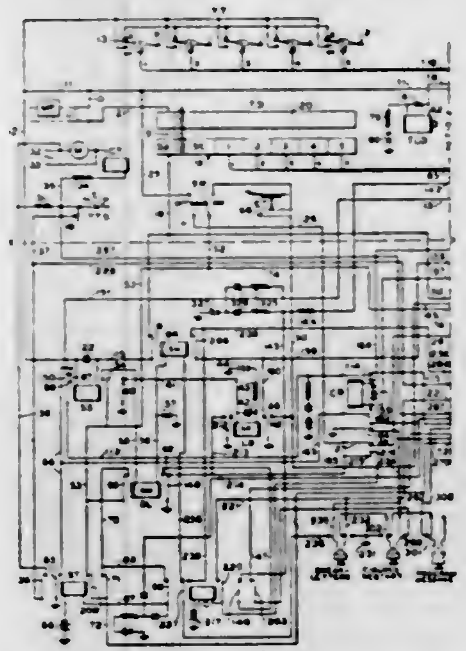
2,419,581

PRINTING TELEGRAPH STATION IDENTIFICATION TRANSMITTER SYSTEM

Joseph C. Marshall, Baldwin, Harold F. May, Valley Stream, and Charles S. Whitney, Jr., Brooklyn, N. Y., assignors to The Teleregister Corporation, New York, N. Y., a corporation of Delaware

Application December 18, 1943, Serial No. 514,756

13 Claims. (Cl. 178—3)



1. In a telegraph communication system, a transmitter for automatically transmitting printer signals comprising a message stored in a control form, and other apparatus operatively associated with said transmitter for automatically and invariably transmitting additional predetermined printer signals pertaining to the message immediately prior to the transmission of the message, said other apparatus including means operative after an interruption in the transmission of said message for automatically and invariably transmitting said additional printer signals and printer line feed signals prior to resumption of transmission of the message by said automatic transmitter, for setting the remainder of the message, when printed, apart from the preceding printed portion thereof.

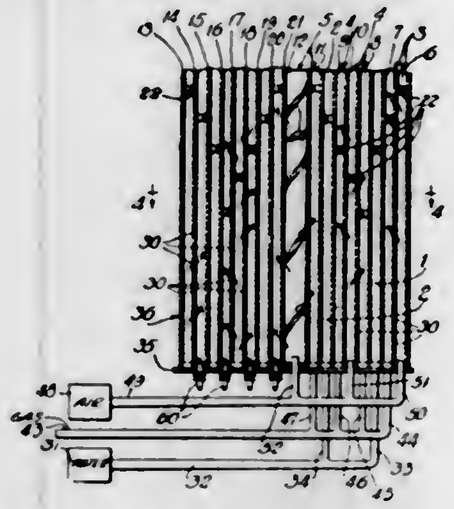
2,419,582

STEAM GENERATOR

Kenneth A. McCurdy, Hempstead, N. Y.

Application June 27, 1945, Serial No. 601,865

4 Claims. (Cl. 122—250)



1. In a steam generator, the combination of a plurality of concentric tubes disposed within one another and spaced from one another to form a plurality of concentric chambers including a plurality of water-carrying chambers, a gas chamber along both the inner and outer wall of each water-carrying chamber, and an air-carrying chamber alongside of each gas chamber, the conduits between adjacent gas and air chambers having openings therein to afford communication between the two in order to effect combustion.

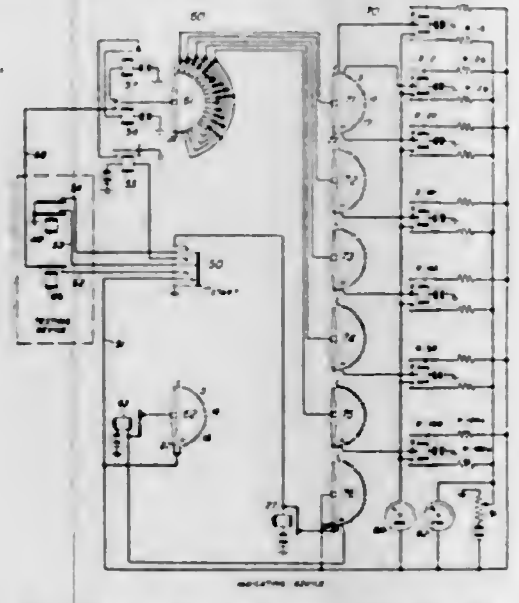
2,419,583

TESTING AND INDICATING SYSTEM

Marcellus B. McDavitt, Hartsdale, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application January 20, 1945, Serial No. 573,800

10 Claims. (Cl. 235—92)



4. In a system for testing units one after the other, means for continuously indicating the number or percentage of units in a certain condition in a preceding predetermined number of units tested, said means comprising a plurality of condition indicating relays, means for successively and cyclically connecting said relays, one at a time during the testing of units, for operation if the unit being tested is in said certain condition, means for locking each operated relay while each of the other relays is connected for operation, and means comprising a milliammeter controlled by said relays to continuously indicate the number of said relays which are operated.

2,419,584

MINERAL OIL COMPOSITION

Thomas T. Noland, Richmond, Ky., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

No Drawing. Application January 18, 1945, Serial No. 573,466

12 Claims. (Cl. 252—46.6)

1. A mineral oil composition comprising a viscous mineral oil fraction containing a minor proportion, from about 0.1 per cent to about 3.0 per cent, sufficient to inhibit the deteriorating effects of oxidation upon the oil, of a stable, oil-soluble, phosphorus- and sulfur-containing reaction product obtained by reaction of phosphorus penta-sulfide and a hydrocarbon stock at a temperature between about 125° C. and about 200° C. for a relatively short reaction time, said hydrocarbon stock being characterized by an olefin content of from about 3 per cent to about 7 per cent and an aromatic content of from about 40 per cent to about 60 per cent, said phosphorus penta-sulfide representing from about 1 per cent to about 8 per cent by weight of the said hydrocarbon stock, and the said reaction product normally tending to form a haze in the oil; and a minor proportion, from about 0.001 per cent to about 0.3 per cent, sufficient to suppress the formation of said haze, of an oil-miscible metal salt of a sulfonic acid.

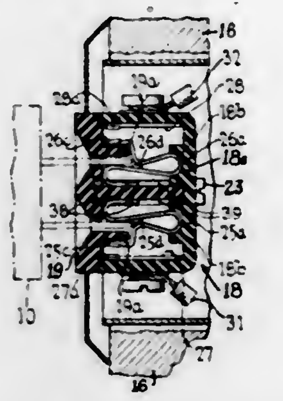
2,419,585

SHOCKPROOF CONNECTOR DEVICE

Joseph F. O'Brien, Jersey City, and Earl S. Boynton, East Orange, N. J., assignors to John B. Pierce Foundation, New York, N. Y., a corporation of New York

Application June 3, 1944, Serial No. 538,642

18 Claims. (Cl. 200—51.09)



1. For use with a conventional electrical plug or like connection member having flat-faced terminals, the edges of which are rectilinear, connecting means comprising a hollow casing provided with openings for the reception of the flat-faced rectilinearly-edged terminals of the plug, live electrical elements adapted to be connected to electrical conductors, and circuit-closing elements having flat faces arranged to be engaged with the flat faces of the terminals of the plug and upon movement of the plug terminals to be brought into electrical engagement with said live electrical elements.

2,419,586

MINERAL OIL COMPOSITION

Ferdinand P. Otto, Woodbury, and Ronald E. Meyer, Gloucester, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

No Drawing. Application June 12, 1943, Serial No. 490,683

19 Claims. (Cl. 252—48.2)

1. An improved mineral oil composition comprising a viscous mineral oil fraction having in admixture therewith a minor proportion, sufficient to stabilize said oil fraction, of a non-corrosive, sulfurized aliphatic ketone obtained by sulfurizing an unsaturated aliphatic ketone with elementary sulfur at an elevated temperature, said ketone having at least one olefin group separated from the keto group by at least one carbon atom.

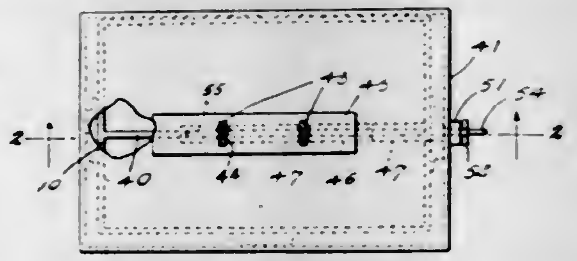
2,419,587

TOOL CONTAINER FORMED OF INTERLOCKING SECTIONS

Leon H. Parks, Talladega Springs, Ala.

Application April 9, 1942, Serial No. 438,335

2 Claims. (Cl. 220—56)



1. A tool kit having a casing section serving as a container, said section being open at the top and having a wall therein, a bell-shaped closure section for the casing section, said closure section and wall having interfitting barrels and a fastening rod threaded through said barrels.

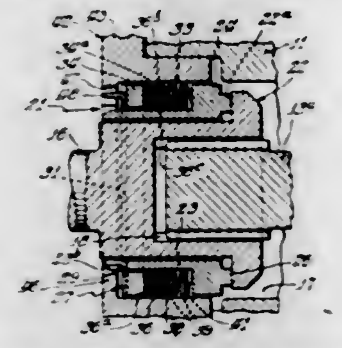
2,419,588

SEAL FOR ROTARY SHAFTS

George E. Pasco, Euclid, Ohio, assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois

Application February 26, 1945, Serial No. 579,779

2 Claims. (Cl. 286—7)



1. In a rotary shaft seal arrangement including a housing having an outwardly opening recess therein, a rotary shaft element extending into said recess in radially spaced relation thereto, a radially extending flange on said rotary shaft element located within said recess; an elongated tubular fluid seal supporting member embracing said rotary shaft element at least a major portion of which tubular member is disposed within said recess, said tubular member having a radially outwardly extending flange on the inner portion thereof, the inner terminal of said elongated tubular member engaging said rotary shaft element radial flange in sealed bearing relation; an aligning member having a first pair of diametrically opposed rocker portions, means carried by said housing supportably engaged by said rocker portions, a second pair of diametrically opposed rocker portions on said aligning member removed arcuately 90° from said first rocker portions, said second pair of rocker portions being engaged by the outer terminal of said elongated tubular member; and flexible fluid seal defining means carried by said elongated tubular member between the radial flange thereon and said aligning washer.

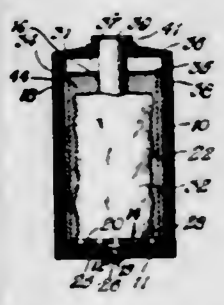
2,419,589

LEAKPROOF DRY CELL

Wanda L. Paul, New York, N. Y.

Application May 6, 1944, Serial No. 534,451

3 Claims. (Cl. 136—133)



3. A dry cell comprising a cylindrical casing having an open upper end; a carbon rod disposed coaxially in the casing and projecting upwardly therefrom; an annular cover cap of strong impervious plastic, tight on the upper portion of the casing; and a terminal cap on the outer end of the carbon rod and passing through the cover cap and provided with an outstanding flange tightly engaging the inner face of the inner peripheral marginal portion of the cover cap; and a flanged ring tightly engaged around the outer end portion of the terminal cap with the flange tightly engaging the outer face of the cover cap, peripheral portions of the terminal cap being swaged over the outer face of the ring whereby the terminal cap and ring serve as a rivet sealing the aperture of the annular cover and as a terminal contact.

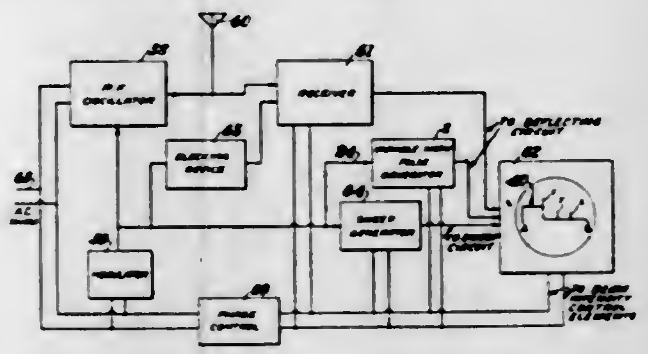
2,419,590

PULSE ECHO SYSTEM

Albert Preisman, Flushing, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware

Application February 27, 1943, Serial No. 477,394

6 Claims. (Cl. 250—1.66)



1. A method of producing a reference marker for the cathode ray oscillograph of a radio detection system wherein an impulse is transmitted and echoes thereof are detected by their deflection of the cathode ray comprising initiating the

building-up of a pulse potential in response to energy of said impulse, said pulse potential having its leading edge substantially in coincidence with the leading edge of said impulse, reducing the pulse potential at an interval after initiation thereof so as to produce a potential drop, synchronizing the cathode ray sweep with said impulse, deflecting the cathode ray by said pulse potential to thereby define a marker thereon in accordance with said potential drop and controlling the length of said interval to effect coincidence of said marker with a particular echo deflection of said cathode ray.

2,419,591

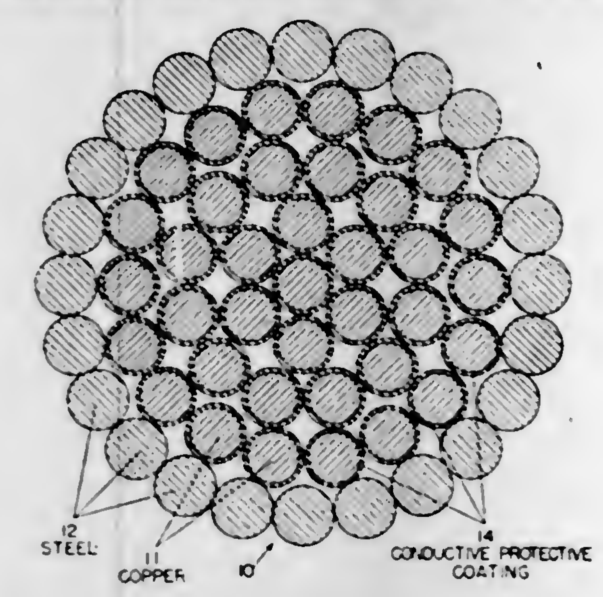
MAGNETIC MINESWEEPING ELECTRODE CABLE

Charles J. Quigley, United States Navy

Application November 5, 1943, Serial No. 509,084

6 Claims. (Cl. 174—128)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A magnetic minesweeping underwater electrode comprising a plurality of layers of wires, the center of the electrode consisting of wires of cuprous materials covered with a conductive corrosion protective coating and the periphery of the electrode consisting of wires of ferrous materials.

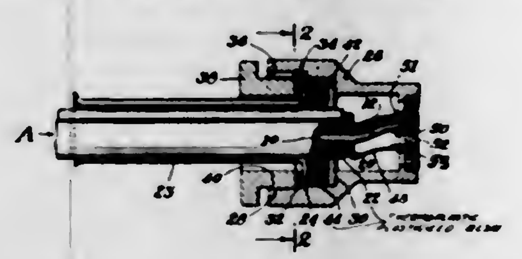
2,419,592

SEALING METHOD AND MEANS FOR CONDUCTOR JOINTS

Avery G. Richardson, Boonton, N. J., assignor to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware

Application March 12, 1943, Serial No. 478,859

4 Claims. (Cl. 174—84)



1. A joint seal comprising, in combination, a washer element of vinyl resin incorporating a suitable plasticizer, said washer element being interposed between two surfaces of the joint, a water-proof film composed of said plasticizer, said film adhering to said washer and also adhering to both said surfaces, and means for establishing said film.

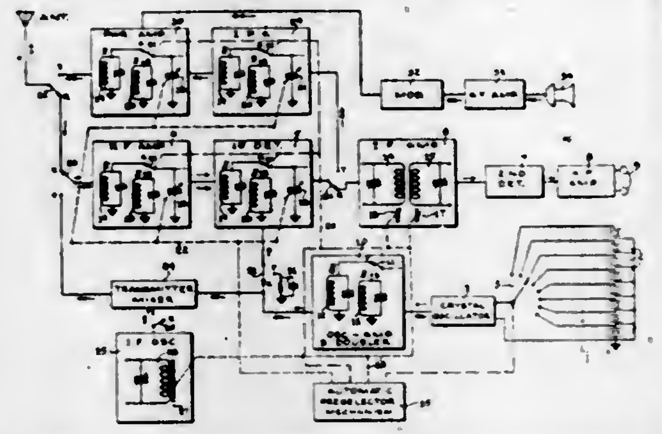
2,419,593

TWO-WAY RADIO COMMUNICATION SYSTEM

Harris A. Robinson, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware

Application June 29, 1944, Serial No. 542,746

9 Claims. (Cl. 250—6)



1. The method of two-way communication between a pair of stations, at least one of which comprises a transmitter provided with a variable oscillator and a superheterodyne receiver provided with an intermediate frequency amplifier that is tunable over a limited frequency range, which consists in generating a fixed stable high-frequency, mixing said generated fixed frequency with said selected frequency from a variable oscillator adjustable to the same frequency as the intermediate frequency amplifier of the receiver to derive a resultant frequency which constitutes the carrier frequency for the transmitter, receiving such carrier frequency from the other communicating station, and mixing the received carrier frequency with the fixed frequency to provide a beat frequency to which the receiver intermediate frequency amplifier is tuned.

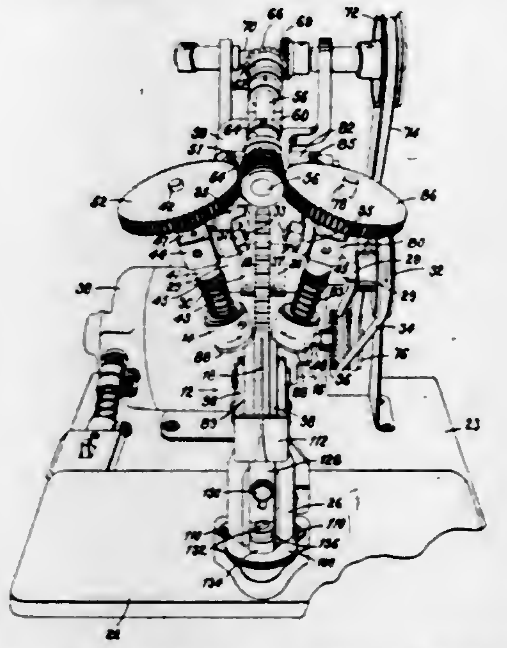
2,419,594

SEAM PRESSING MACHINE

Milton H. Roske, Malden, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application July 13, 1944, Serial No. 544,728

4 Claims. (Cl. 69—7)

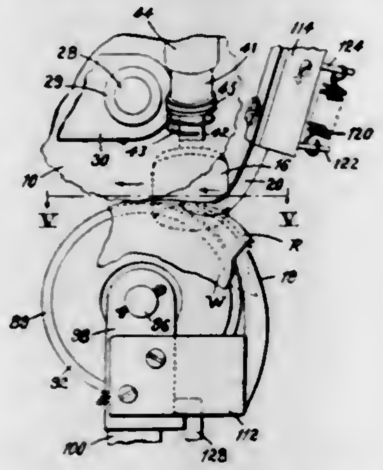


1. In a seam pressing machine, a support for a work piece having a seam ridge, a pair of members having work-engaging surfaces adapted to contact a work piece on said support on opposite sides of the seam ridge, means for mounting said

members for movement in which the work-engaging portions of said members wipe the work piece in directions away from the seam ridge to tension the work piece across the seam ridge, and means for driving said members to effect such wiping action.

2,419,595
METHOD OF PRESSING SEAMS FORMED IN SHOE PARTS

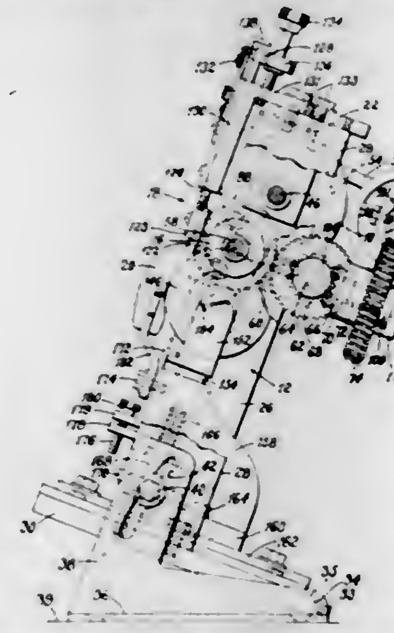
Milton H. Roske, Malden, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Original application July 13, 1944, Serial No. 544,728. Divided and this application September 22, 1945, Serial No. 618,004
3 Claims. (Cl. 12—146)



1. The method of pressing a seam formed by the joining of two pieces of sheet material in face-to-face relation adjacent to the edges of said pieces, which consists in feeding the material longitudinally of the seam, tensioning the material transversely of the seam, and pressing the seam while the material is being fed under tension.

2,419,596
SEAM PRESSING MACHINE

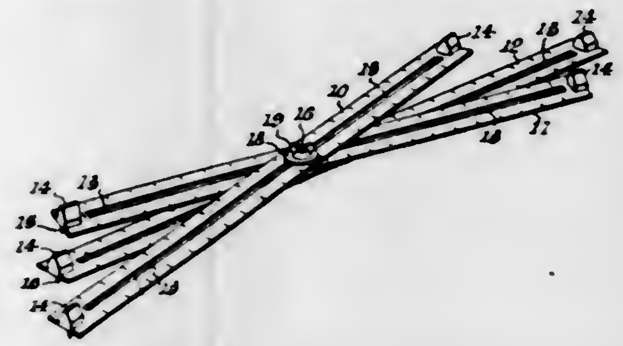
Edward Quinn, Saugus, and Fred E. Muzzey, Haverhill, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application July 20, 1944, Serial No. 545,798
9 Claims. (Cl. 69—7)



1. In a seam pressing machine, a work support, a seam rubbing tool, a pair of coaxial driven feed rolls on opposite sides of said work support and of said tool, said feed rolls having frustoconical work engaging surfaces which flank the seam rubbing tool, and resilient means for pressing said feed rolls toward each other to cause them to grip the work against the sides of the work support.

2,419,597
PLOTTING INSTRUMENT

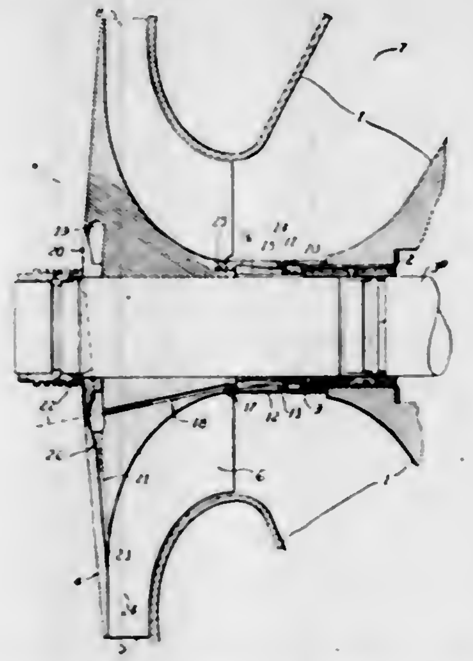
Francis M. Rushmore, United States Army
Application March 29, 1944, Serial No. 528,546
4 Claims. (Cl. 33—65)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. A plotting instrument comprising a trio of arms, an indicaing device supporting said arms in superimposed relation, said device being shiftable lengthwise of the arms, front and rear sights mounted adjacent the extremities of said arms for aligning the latter with respect to distant objects, the alignment of said arms relative to said distant objects disposing said device in a position indicative of a predetermined point, prong means located in advance of said front and rear sights and depending from the extremities of said arms for securing them in adjusted position, and means carried by said device for clamping said arms and device in fixed relation.

2,419,598
FUEL INJECTION IMPELLER FOR SUPERCHARGERS

Oscar W. Schey and William K. Ritter, Cleveland, Ohio
Application June 6, 1945, Serial No. 597,933
2 Claims. (Cl. 261—90)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In combination with a rotary impeller for centrifugal superchargers, an air intake shroud for the impeller, a plurality of radial vanes on the impeller to compress the air in the said shroud, an annular nozzle ring carried by the impeller, an annular fuel mixing chamber carried by the impeller, an annular fuel distribution chamber carried by the impeller, and a plurality of fuel passages leading from the said fuel mixing chamber to the said distribution chamber.

2,419,599
ALKYLATION OF AROMATIC HYDROCARBONS

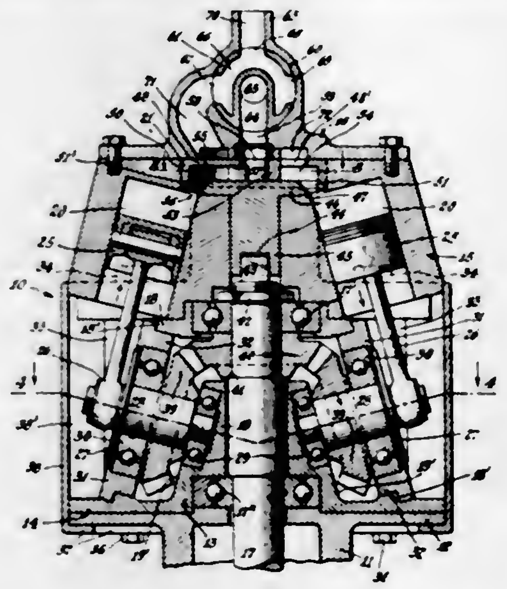
Walter A. Schulze, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application October 5, 1942, Serial No. 460,845
9 Claims. (Cl. 260—671)

9. An improved process for the production of a monoalkyl derivative of an alkylatable aromatic hydrocarbon, which comprises passing a hydrocarbon mixture comprising an olefin hydrocarbon of not more than 6 carbon atoms per molecule and a molar excess of an alkylatable aromatic hydrocarbon through a bed of a solid granular catalyst under conditions of temperature and pressure such as to promote union of said olefin and said aromatic hydrocarbon to form a corresponding monoalkyl derivative thereof as the principal reaction, said granular catalyst comprising silica and from 0.1 to 2 per cent by weight of an oxide of a metal selected from groups III B and IV A of the periodic system and prepared by introducing an aqueous solution of an alkali silicate into an excess of a mineral acid and allowing the resulting mixture to set to form a silicic acid gel, washing said gel with water and only partially drying same to form a hydrous acidic silica gel, contacting the resulting silica gel with an aqueous solution of a hydrolyzable salt of a metal selected from groups III B and IV A of the periodic system to activate same by adsorption of a hydrous oxide of said metal thereon, and subsequently washing and drying the resultant activated material to form said granular catalyst, each said drying being conducted at a temperature not greater than the subsequent reaction temperature, and recovering from effluents of said catalyst bed a fraction comprising a monoalkyl derivative of said aromatic hydrocarbon so produced.

2,419,600
EXPANSIBLE CHAMBER MOTOR OR COMPRESSOR WITH LONGITUDINAL SHAFT AND ANGULARLY INCLINED PISTONS GEARED THERETO

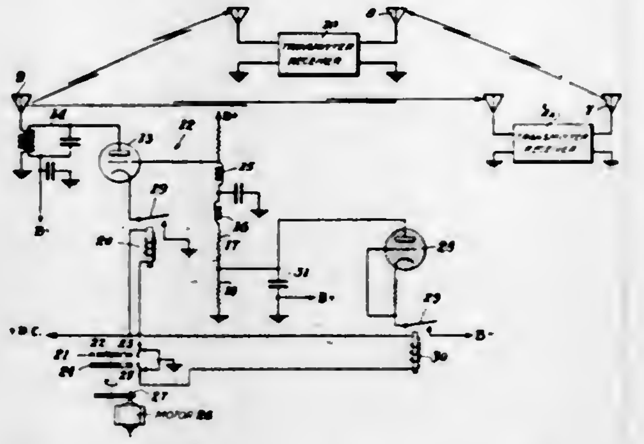
Lester Sejarto, Richmond Hill, N. Y.
Application December 30, 1944, Serial No. 570,525
11 Claims. (Cl. 121—117)

10. In a pressure fluid actuated motor or compressor, the combination comprising a drive shaft, a plurality of cylinders substantially longitudinally positioned around said drive shaft, pistons reciprocable in said cylinders, means for conducting high and low pressure fluids to and from said cylinders comprising a rotary valve mounted for integral movement with and actuation by said shaft, said cylinders being angularly disposed relative to said shaft and converging toward said rotary valve, said valve being positioned contiguous the cylinders and having ports and passages coordinated with the inlet and outlet ports of said cylinders substantially without intervening conduits, and transmission means positioned between said drive shaft and the longitudinal axes of said cylinders in operative association with said shaft and said pistons, said pistons being adapted for actuating said shaft through said transmission means when the combination functions as a motor and for being actuated by said shaft when functioning as a compressor.



2,419,601
TRANSMISSION SYSTEM

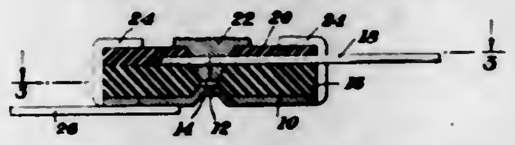
Martin Silver, New York, N. Y., assignor to Federal Telephone and Radio Corporation, East Newark, N. J., a corporation of Delaware
Application April 27, 1943, Serial No. 484,700
3 Claims. (Cl. 250—2)



1. In a transmission system comprising a plurality of communication sets including transmitters and receivers tunable to different operating frequency bands for communication among said sets, the combination of means for sequentially tuning all said sets to successively different ones of said frequency bands comprising a central transmitter for transmitting a successive series of impulses at predetermined intervals, means at each set for receiving said transmitted impulses, and means responsive to said successively received impulses for tuning said sets in sequence to different of said operating frequency bands, said last named means comprising a plurality of gaseous discharge tubes corresponding in number to the number of said operating frequency bands, said sets being tuned to a first of said frequency bands in the normal condition of said relays and said relays being connected for successive operation to tune said set to different of said bands, means responsive to successively received of said impulses for successively operating said relays, and means responsive to operation of each relay for conditioning the succeeding relay for operation, operation of the last of said relays serving to return said plurality of relays to their normal unoperated condition.

2,419,602
RECTIFIER AND METHOD OF MAKING THE SAME

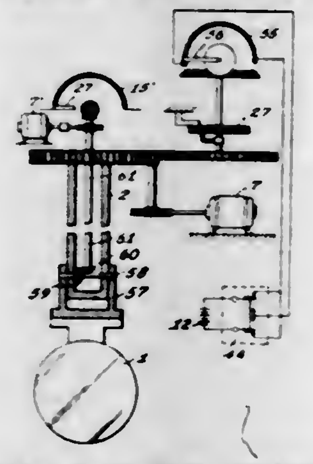
Murray F. Skinker, Montclair, and Leslie B. Haigh, West Orange, N. J., assignors to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware
Application August 14, 1943, Serial No. 498,654
9 Claims. (Cl. 175—366)



1. A rectifier comprising, in combination, a metallic base plate, a layer of selenium on said base plate, a layer of insulating material on said selenium layer, and having a small opening therethrough exposing a portion of the selenium layer, counter-electrode alloy extending through said opening to contact said selenium, a lead wire fused to said counter-electrode alloy, and a second continuous insulating layer extending about said base plate, selenium layer, first insulating layer and lead wire.

2,419,603
APPARATUS FOR SUBMARINE SIGNALING

Edward W. Smith, Melrose, Mass., assignor to Submarine Signal Company, Boston, Mass., a corporation of Delaware
Application August 15, 1935, Serial No. 36,353
9 Claims. (Cl. 181—0.5)

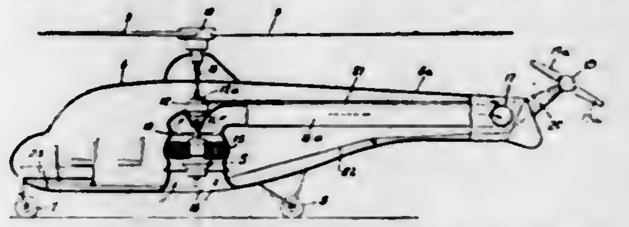


1. A submarine signaling system including a vessel, a directional signaling device mounted thereon in a position normally for signaling along an axis in a horizontal plane when the ship is on an even keel, means for rotating said device and thereby rotating said axis in the signaling plane, additional means for rotating said device and thereby rotating said signaling plane, means responsive to rolling of the vessel adapted to actuate said second rotating means for restoring said device to approximately its normal position and means responsive to actuation of said first rotating means adapted to control the extent of response of said rolling responsive means in accordance with the amount by which said first rotating means has been actuated.

2,419,604
ROTATIVE WINGED AIRCRAFT HAVING A PLURALITY OF YAW-MOMENT PRODUCING MEANS

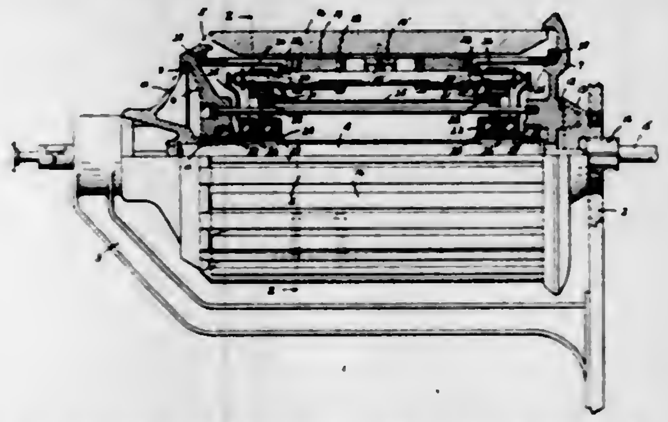
Paul H. Stanley, Huntingdon Valley, Pa., assignor to Autogiro Company of America, Philadelphia, Pa., a corporation of Delaware
Application March 20, 1944, Serial No. 527,173
6 Claims. (Cl. 244—17)

1. In an aircraft having a body, a sustaining rotor, and an engine mounted on the body and connected to drive the rotor with a substantial unbalanced torque reaction on the body, a plurality of yaw-moment producing means actuable in a sense to oppose the said torque reaction, at least one of which is constructed and arranged to be driven by the said engine and which becomes substantially ineffective when the said engine is inoperative, and another of which is constructed and arranged to be driven by the sustaining rotor when the engine is inoperative.



2,419,605
THREAD-ADVANCING REEL

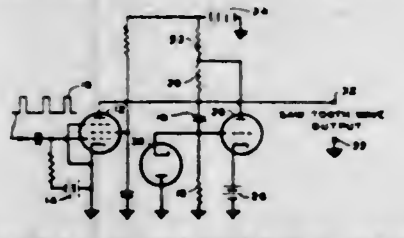
Richard W. Stanley, Drexel Hill, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application May 19, 1945, Serial No. 594,730
13 Claims. (Cl. 28—71.6)



1. A thread-advancing reel comprising a rotatably mounted supporting means, bearing means carried on the supporting means and comprising rollers rotatable on axes directed transversely to the axis of rotation of the supporting means and a plurality of bars reciprocably carried by the rollers.

2,419,606
LINEAR SAW-TOOTH GENERATOR

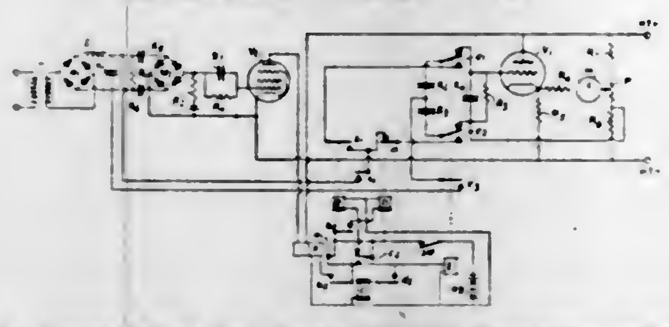
Edwin K. Stodola, Neptune, N. J., assignor to the United States of America as represented by the Secretary of War
Application May 13, 1944, Serial No. 535,532
11 Claims. (Cl. 250—36)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a method of maintaining constant a controlled current flowing through a first fluctuating impedance, said first impedance being connected to a source of potential through a second impedance and shunted by a third controllable impedance connected to a reference voltage, said third impedance normally carrying a control current, the steps which include: generating a control voltage proportional to the flow of current through said first impedance, controlling the conductivity and the control current flowing through said third impedance by comparing said reference voltage with said control voltage, and so combining in said second impedance said control current and said controlled current as to maintain said controlled current constant irrespective of fluctuations in said first impedance.

2,419,607
MEASURING ELECTRICAL SIGNAL AMPLITUDE CHANGES

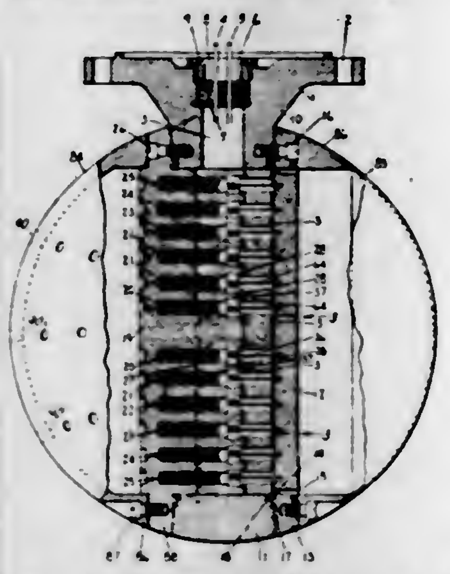
Victor John Terry and Thomas Frederick Stanley Hargreaves, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application June 7, 1943, Serial No. 489,904
In Great Britain April 14, 1942
22 Claims. (Cl. 177—352)



1. Apparatus for determining impulse voltage changes occurring in recurring cycles of impulses, comprising two capacitances, means for charging the first capacitance in proportion to an impulse voltage in a cycle of impulses before the change, means for charging the second capacitance in proportion to an impulse voltage in said cycle of impulses after the change, means for determining a substantially constant voltage representing the difference between the charges on said capacitances, and relay means for automatically actuating said capacitance-charging and determining means during successive cycles.

2,419,608
ELECTRICAL OSCILLATOR

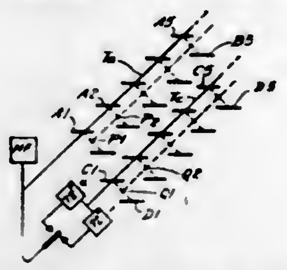
Edwin E. Turner, Jr., West Roxbury, Mass., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass., a corporation of Delaware
Application May 29, 1935, Serial No. 24,078
12 Claims. (Cl. 177—386)



1. Means for projecting a beam of supersonic compressional waves comprising a plate of homogeneous material having a substantial thickness and surface dimensions of many times the supersonic wave length to be propagated in the medium, a plurality of concentric rings mounted on one side of said plate at right angles thereto, and means for vibrating the rings simultaneously in the same phase said plate and rings forming a supersonic wave-transferring means having a node in the rings near the plate.

2,419,609
MEANS FOR OVERCOMING THE EFFECTS OF EARTH REFLECTIONS IN DIRECTIONAL ANTENNA SYSTEMS

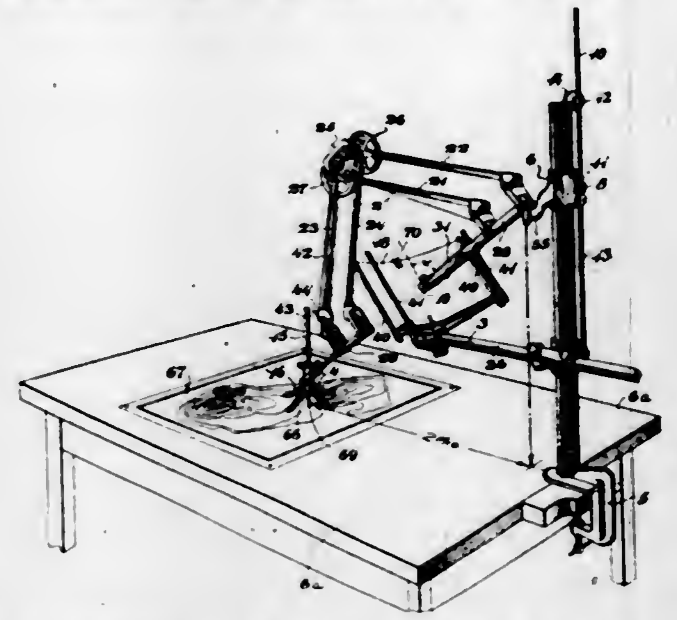
Edward Hill Ullrich, London W. C. 2, England, assignor to Standard Telephones and Cables Limited, London, England, a British company
Application September 9, 1942, Serial No. 457,801
In Great Britain September 25, 1940
6 Claims. (Cl. 250—11)



1. An arrangement for defining a radio course in a vertical plane and at a predetermined angle of elevation comprising an antenna system for producing two overlapping radiation diagrams the intersection of which forms said radio course, said antenna system comprising a plurality of elementary antenna units each of which has a direction of zero radiation, the effects of earth reflection being overcome by orientation of said elementary units so that a vertical line bisects the angle between the defined course direction and the direction of zero radiation of said elementary units.

2,419,610
PERSPECTIVE DRAFTING DEVICE

Adrian Waldorf, Washington, D. C.
Application June 28, 1944, Serial No. 542,591
6 Claims. (Cl. 33—18)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

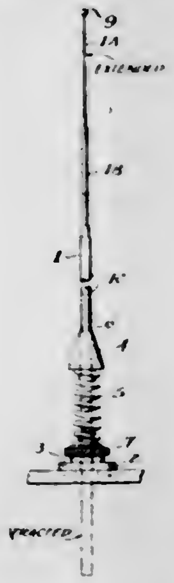


6. A perspective sketcher including an altitude column for mounting on a table, a bracket slidably adjustable on said column, a universal swivel on said bracket, a link on said swivel pivoted at its ends to a pair of equal parallel bars, a second link of the same length as said first one pivoted at its ends to a pair of similar parallel bars, a

third link of the same length as the others pivoted to the other ends of both pairs of parallel bars, equal gear sectors mounted for turning on said common pivots and meshed with each other, one of said gears being rigid with one of said one pair of parallel bars, the other gear being rigid with the opposite one of said other pair of parallel bars whereby the first and second links are maintained in alignment while the distance between them may be varied within the limits of the operation of the parallelogram structure formed by the above combination, a stylus attached to said second link for tracing lines of elevation on a contour map on said table, means for adjusting the level of said stylus with respect to its attachment and a pencil holder attached to said first link for guiding a pencil and making reproductions of said lines.

2,419,611
SHOCK MOUNT FOR COLLAPSIBLE ANTENNAE

Allen A. Walsh, West Englewood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 30, 1943, Serial No. 485,122
5 Claims. (Cl. 250—33)

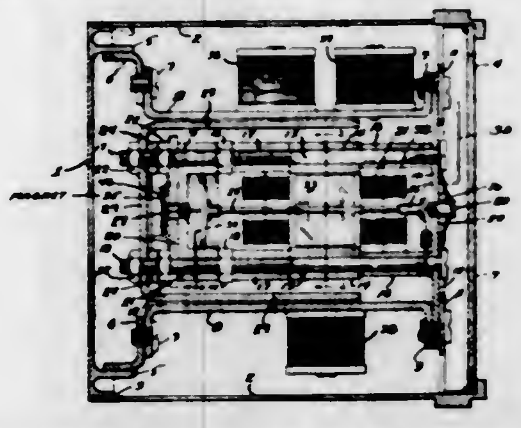


2. A collapsible antenna member having in combination a metallic tube, a swaged tube secured to an end of said metallic tube, a sleeve member surrounding said swaged tube and a portion of said metallic tube, an inductive coil spring member secured to said sleeve member, a coil support, an antenna base mounting plate coupled to said coil support, said inductive coil spring member being electrically connected in series between said coil support and said swaged tube to make electrical connection to said metallic tube by having said coil serve as a series loading inductance for said antenna.

2,419,612
MAGNETIC VANE TYPE RATIOMETER

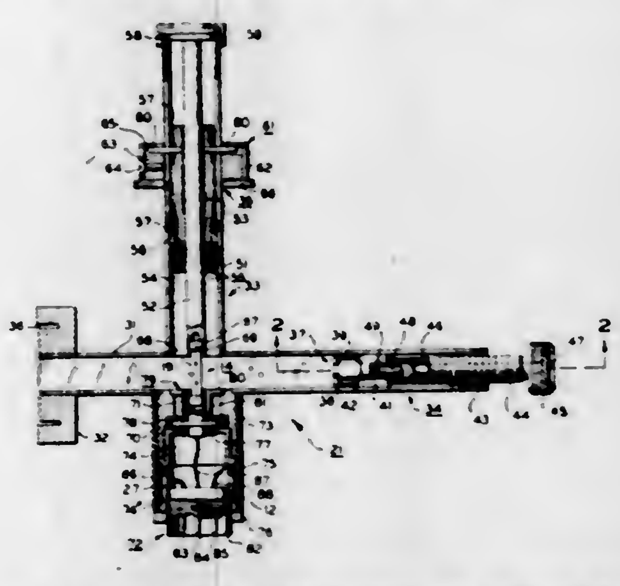
Howard D. Warshaw, Drexel Hill, Pa.
Application May 16, 1945, Serial No. 594,130
6 Claims. (Cl. 171—95)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In an indicating ratiometer of the type described, a coil form of non-metallic material having a circular bore therethrough secured, coils fixedly mounted on said coil form and arranged in predetermined angular relation with respect to one another, a shaft extending through the bore of the coil form and journalled for rotation coaxially of the bore in said coil form, a vane member of magnetic material having high permeability fixed on said shaft within the bore of said coil form, said vane being operable to align itself with the directionally resultant field of the fixed magnetic fields produced by electric currents passing through said coils and thereby rotate said shaft, a pointer member actuable by said shaft, a face plate having an indicating scale thereon disposed with respect to the pointer so that the latter is positioned with respect to said scale according to the position of the resultant field of the two directionally fixed magnetic fields of said coils, and a member of highly permeable magnetic material secured in surrounding relation with respect to said coil form to electrically shield the same.



2,419,613
TUNED MICROWAVE WATTMETER

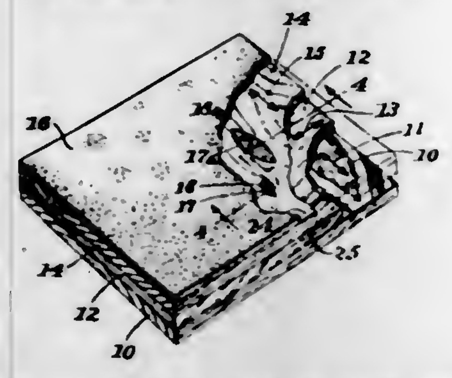
Hugh E. Webber, Williston Park, N. Y., assignor to Sperry Gyroscope Company, Inc., a corporation of New York
Application December 13, 1943, Serial No. 514,111
10 Claims. (Cl. 178—44)



1. In a microwave wattmeter, in combination, a rectangular hollow wave guide adapted to receive microwave energy at one end and having an adjustable position closure at the other end, and a barretter mounting assembly intermediate the ends of the line, said mounting assembly including a concentric adjustable tuning stub line laterally extending in one direction from the wave guide and a connector assembly laterally extending in the opposite direction from said wave guide with a barretter unit mounted between said stub line and the connector assembly, said stub line including a center conductor with a connection socket for the barretter unit in the end thereof and said connector assembly including a second connection socket for said barretter unit insulated from the wave guide.

2,419,614
COATED WOOD PRODUCT

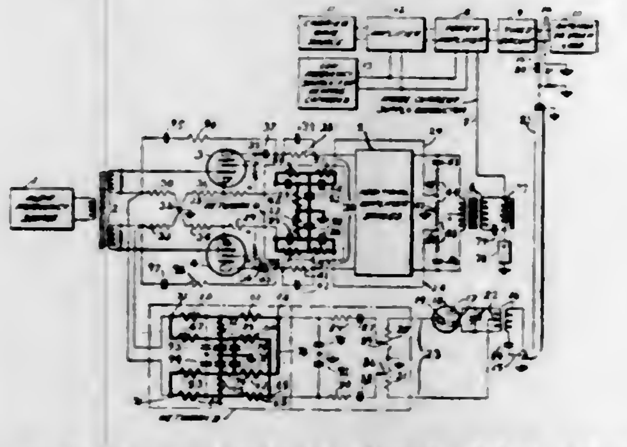
Arthur R. Welch, Hoquiam, Wash.
Application August 9, 1944, Serial No. 548,773
6 Claims. (Cl. 20—89)



1. A plywood product comprising veneer plies adhesively joined together into a plywood panel with at least one outer ply having fissures, cracks and other imperfections in its outer surface, and a continuous layer of substantial thickness of a mixture of synthetic resin and discrete wood particles on said surface, said layer being of sufficient thickness to fill the fissures, cracks and other imperfections in said surface, yet presenting a smooth, even, continuous, planar, substantially permanent outer surface spaced from said outer surface of the panel, the layer being bonded to said panel surface under heat and pressure by the conversion of the resin therein.

2,419,615
HUM REDUCING MODULATOR

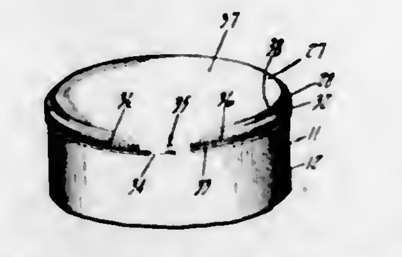
James O. Weldon, Del Rio, Tex., assignor to Federal Telephone & Radio Corporation, New York, N. Y., a corporation of Delaware
Application November 25, 1942, Serial No. 466,859
19 Claims. (Cl. 179—171.5)



1. In a high frequency carrier wave transmitting system, a carrier wave power amplifier of the electron-discharge type having a low frequency auxiliary power supply circuit tending to produce undesired modulation of said carrier wave in said power amplifier at hum frequencies, an audio frequency signal amplifier, a coupling between the output of said audio frequency signal amplifier and said power amplifier for applying modulating voltages to said power amplifier, a first negative feedback means coupling the output of said power amplifier with the input of said audio frequency amplifier, said first feedback means including detecting means for producing an audio frequency current corresponding with the modulations of the high frequency carrier wave in the output of said power amplifier, said first feedback means including a network for selectively transmitting waves of said hum frequencies to the input of said audio frequency amplifier for reducing the effect of said undesired hum modulation in said power amplifier, and second feedback means coupling the output of said audio frequency amplifier with the input thereof and including means for counteracting the distorting effect of said first feedback means on said audio frequency amplifier without destroying the hum reduction produced by said first feedback means.

2,419,616
CONTAINER

Richard J. White, New York, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application November 30, 1944, Serial No. 565,827
4 Claims. (Cl. 229—5.7)

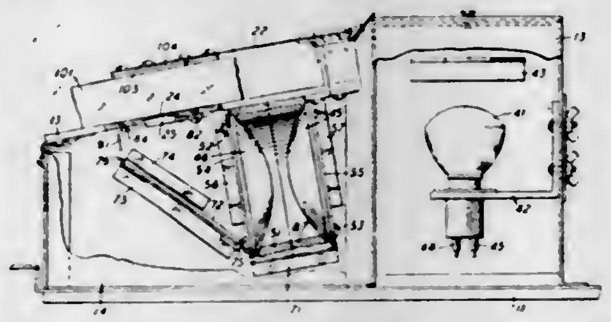


1. A container, comprising in combination, a tubular fibre body, a metallic bottom end secured to an end of the body and having a countersunk panel defining a recess, a frangible sealing disc in the top end of the body for temporarily sealing the container, said disc being adapted to be cut out for gaining access to the container interior, a metal ring engaging the periphery of said disc and secured to the top end of said body in an end seam, the outer surface of said end seam being pressed inwardly at spaced intervals to provide associated inserting indentations and adjacent locking indentations with an unpressed stop portion disposed between each of such associated indentations, a metal cover for closing the ring end of the container, said cover having a raised top for nesting engagement within the bottom recess of a superimposed container, said cover also having a depending skirt terminating in a hemmed edge, said hemmed cover edge being pressed inwardly at spaced intervals into hemmed holding lugs, a plurality of locking projections in said depending skirt, one adjacent each hemmed holding lug, said holding lugs passing through and said projections passing into said inserting indentations when the cover is applied to the container, and interrupted knurled hand engaging sections formed in said cover skirt for facilitating the handling of the cover, whereby upon rotation of the cover each projection snaps over the corresponding unpressed stop portion of said end seam to prevent accidental removal of the cover from the container.

2,419,617
OPTICAL DEVICE FOR TESTING CRYSTAL SECTIONS

Gerald W. Willard, Fanwood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Original application September 9, 1943, Serial No. 501,619. Divided and this application October 12, 1944, Serial No. 558,336
1 Claim. (Cl. 88—14)

A device for testing a portion of quartz cut from a quartz mother crystal and having at least one plane surface which has been etched comprising a housing, a hinged table movable between an open and a closed position and acting when in closed position as a cover for a portion of said housing and having an aperture of pin hole magnitude therein, said housing being substantially light impervious when said table is in closed position except with respect to the aperture, a light source within the said housing, a light diffuser disk, means for so removably mounting said disk on said table that it is adjacent to the aperture and is within said housing and is in the path of light from said light source when said table is in closed position and is readily removable for cleaning and replacement when said table is in open position, said disk mounting means comprising a rotatable arm having an aperture therein of slightly less diameter than said disk whereby to support said disk and yet expose substantially the entire surface of said disk to light from said light source, means comprising a plurality of lenses and a reflecting mirror for concentrating light from said source through said light diffusing element and the aperture, means for so supporting said lenses within said housing that they are readily removable as a unit for cleaning or replacement when said table is in open position, and means for so supporting said mirror within said housing that it is likewise readily removable when said table is in open position, said hinged table serving also when in closed position as a means for supporting a portion of quartz being tested adjacent to the aperture and outside of said housing.



2,419,618
MANUFACTURE OF SULFAMIC ACID

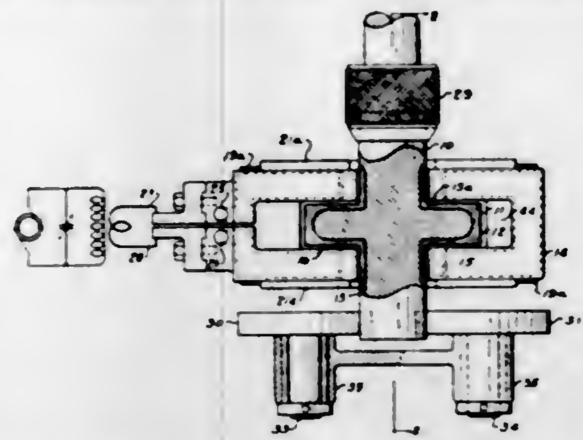
Howard R. Wilson, Lakewood, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 6, 1943, Serial No. 509,281
1 Claim. (Cl. 23—166)

In the manufacture of sulfamic acid the steps of mixing urea and sulfamic acid to form a paste and introducing sulfuric acid and sulfur trioxide in the proportions of substantially one mole of sulfuric acid and at least one mole of sulfur trioxide for each mole of urea while effecting cooling throughout the mass adequate to inhibit formation of sulfamic acid and to give a wet reaction mass and thereafter heating the wet reaction mass to convert it to dry sulfamic acid.

2,419,619
METHOD OF HEAT-TREATING FLANGES AND THE LIKE

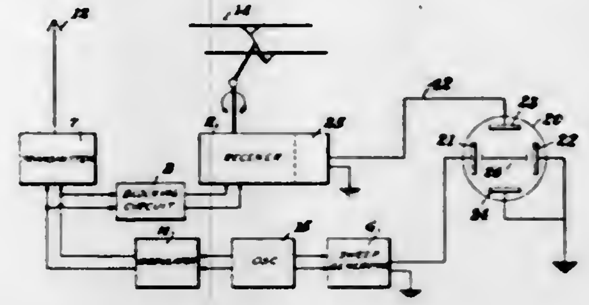
Alden O. Wood, Parma, Ohio, assignor to The Ohio Crankshaft Company, Cleveland, Ohio, a corporation of Ohio
Application February 13, 1943, Serial No. 475,833
3 Claims. (Cl. 219—13)

1. The method of heat treating a flange having an axis of rotation comprising the steps of inserting a part of the flange between two generally parallel spaced inductor members so that the members lie on opposite sides of the flange and generally parallel with chordal elements of lateral faces of the flange and so that a peripheral surface of the flange lies in spaced relation with a generally axially disposed conductor, flowing periodically varying current through the inductor members and through the axially disposed conductor in series, the current in one inductor member being substantially opposite to that in the other member, and rotating the flange to distribute current in the flange to heat zones in the lateral faces and in the peripheral surface of the flange.



2,419,620
OBSTACLE DETECTION APPARATUS

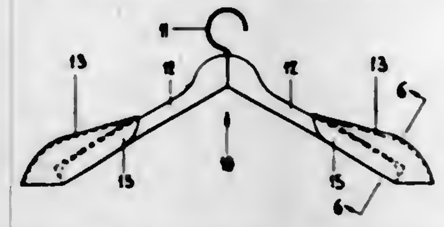
Norman H. Young, Jr., Jackson Heights, N. Y., assignor to Federal Telephone and Radio Corporation, a corporation of Delaware
Application July 24, 1942, Serial No. 452,240
17 Claims. (Cl. 250—1.66)



1. In obstacle detection apparatus, including an oscillograph having amplitude and sweep potential deflection plates, for indicating and maximizing pulse reflections having irregular amplitudes, received in response to a transmitted pulse; the combination with said oscillograph of means for receiving said pulse reflections forming a source of signal potential, means providing an operative first voltage input region up to a predetermined voltage level acting to apply substantially constant gain to pulse amplitudes terminating below said predetermined level so that such pulses may be maximized, and to clip off the portions of pulses extending above said predetermined level, means providing an operative second voltage input region acting to apply substantially constant gain to the portion of any pulse extending into said second region, means to vary the input voltage range of said second region to selectively include therein for maximizing purpose the peak portion of any pulse extending above said predetermined level, means forming a combined input circuit from said source of signal potential to said first and to said second voltage region means, means forming a combined output circuit from said first and said second voltage region means to said amplitude deflection plates, a source of sweep potential, and means for applying said sweep potential to said sweep potential deflection plates.

2,419,621
GARMENT HANGER

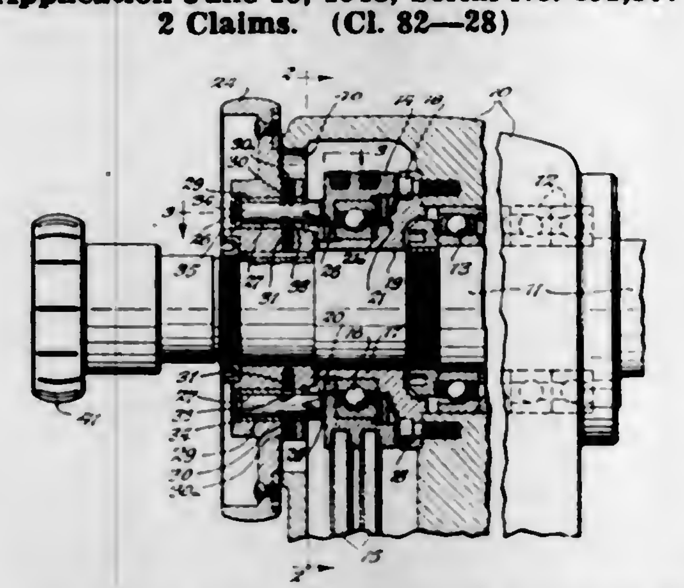
Leonard B. Harris, Southold, and Vito R. Pascale, New York, N. Y.
Application October 29, 1945, Serial No. 625,320
2 Claims. (Cl. 223—92)



1. In a portable shoulder support adapter for mounting on a clothes hanger having vertically parallel opposite side walls, comprising a hollow body made of thin sheet material having a degree of resiliency, said adapter having free end portions extending inwardly of said body into adjacent relation and terminating in elongated parallel flanges, said flanges being adapted to grip said parallel vertical side walls and form a shoulder support upon said hanger, the body of said adapter being wider than the width of said gripping flanges to permit considerable movement of said flanges to and from each other, said adapter being in engagement solely with said vertical side walls of said hanger all along the length of said flanges and being thereby frictionally held at various adjusted positions lengthwise of said hanger, said adapter being movable vertically on said hanger into various positions to conform to sloping or square shoulder portions of a garment supported by said hanger.

2,419,622
LATHE SPINDLE DRIVE

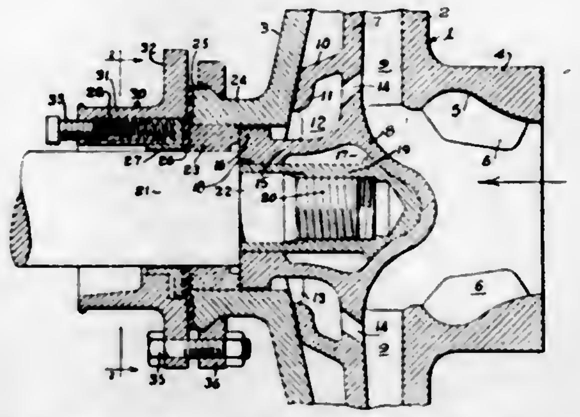
Douglas G. Anderson, Elmira, N. Y., assignor to Hardinge Brothers, Inc., Elmira, N. Y.
Application June 18, 1943, Serial No. 491,367
2 Claims. (Cl. 82—28)



1. In a lathe having a headstock provided with spindle bearings, a live spindle rotatably supported by said bearings, and drive means for the spindle including a driven wheel coupled to the spindle to turn the same and located in a position accessible from the outer end portion of the headstock, the improved construction comprising a tubular bearing support which surrounds the spindle out of bearing contact therewith and is fixed on the headstock, an annular bearing with rolling bearing elements surrounding said bearing support and on which said wheel is rotatably mounted, a clamping ring screwed into an axial recess in one end of said wheel, and a packing retained in said recess between said ring and the adjacent end of said bearing.

2,419,623
SHAFT SEAL

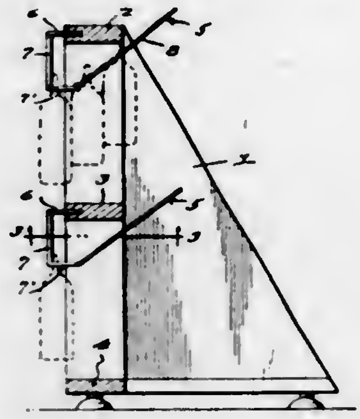
Mortimer L. Bettcher, Montgomery County, Ohio, assignor to The Duriron Company, Inc., Dayton, Ohio, a corporation of New York
Application October 4, 1943, Serial No. 504,827
3 Claims. (Cl. 286—11)



1. A seal including a casing, a shaft, said seal comprising a sealing ring surrounding the shaft and having a side adapted to bear against a part mounted on the shaft, said casing having a cylindrical member surrounding said sealing ring, said member having an enlarged end portion, a thick ring surrounding said shaft having longitudinally and radially extending portions, a flexible washer surrounding said shaft, means engaging said radially extending portion and said enlarged end portion for clamping said washer between the enlarged end portion of said member and the radially extending portion of said thick ring, the radially inner portion of said washer engaging said sealing ring, said longitudinally extending portion of said ring having a plurality of openings facing said washer, springs in said openings acting to force said washer and said sealing ring along said shaft to cause engagement of the sealing ring with said part, the other end of said sealing ring normally extending beyond the enlarged end of said member and in the direction of said thick ring whereby to initially cause deformation or bending of said washer to offset the radially inner part of said washer from the outer clamped portion in a direction away from said shaft part.

2,419,624
DISPLAY CASE

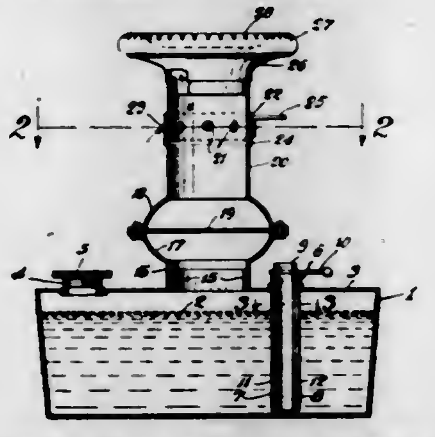
Zizz Black, San Francisco, Calif.
Application April 13, 1945, Serial No. 588,165
4 Claims. (Cl. 211—59)



1. A display rack for bags of merchandise comprising an open upright supporting frame having side walls, a horizontal transverse bar member secured to said side walls and a plurality of spaced C-shaped hook members rigidly secured to the front edge of said bar member, each hook member comprising a downwardly extending

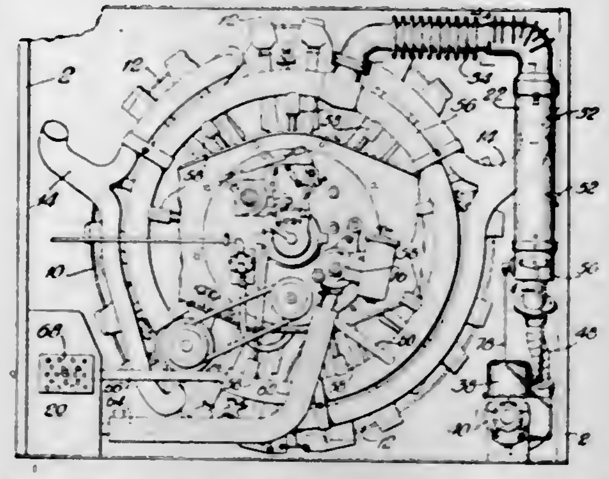
front portion and an upwardly inclined rearwardly extending bottom portion, said bottom portion being closely adjacent to the lower rear edge of said transverse bar member and extending beyond said transverse bar member.

2,419,625
PORTABLE RING TYPE HEATER
James L. Breese, Santa Fe, N. Mex., assignor to Oil Devices, Santa Fe, N. Mex., a limited partnership of Illinois
Application February 16, 1944, Serial No. 522,546
6 Claims. (Cl. 158—91)



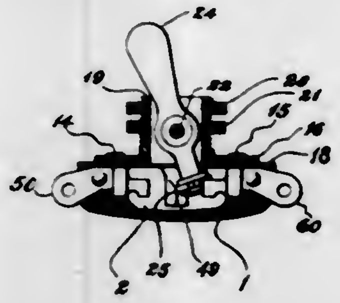
6. In a liquid fuel vaporizing type burner, a vaporizing and fuel supply chamber, controllable means for admitting a variable supply of air to the interior of the vaporizing chamber, a burner head having flame outlet apertures, a fuel vapor passage member extending from the vaporizing chamber and supporting the burner head, the burner head having a hollow interior in direct communication, through said passage member, with the interior of the vaporizing and fuel supply chamber, and controllable means for admitting a variable supply of air to the vaporized fuel flowing along the vapor passage member from the vaporizing chamber to the burner head.

2,419,626
HEATER
William A. Bulger, Stamford, Conn., assignor to Petroleum Heat and Power Company, New York, N. Y., a corporation of Delaware
Application January 29, 1943, Serial No. 473,965
8 Claims. (Cl. 123—142.5)



1. A heater for internal combustion engines and parts thereof comprising in combination a housing for the heater, a liquid fuel burner therein, a supply of liquid fuel, a fuel atomizer in said housing, ignition means adjacent said atomizer, a supply of high velocity air, a venturi in the path of said air for dividing the air and directing a sufficient quantity for combustion adjacent said atomizer, and the excess about the flame to provide an enclosing air screen therefor, a conduit for the heated air and gases of combustion, said conduit leading to the engine and provided with outlets and branches leading to parts of the engine and to the lubricating oil tank therefor whereby to heat the same.

2,419,627
ELECTRIC SWITCH
Helge Carling, West Hartford, Conn., assignor to The Carling Tool & Machine Company, Hartford, Conn., a corporation of Connecticut
Application October 7, 1943, Serial No. 505,293
1 Claim. (Cl. 200—154)



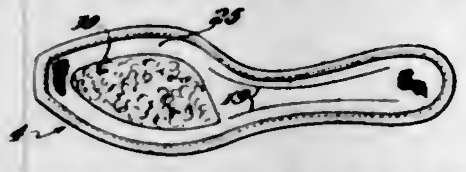
An electric snap switch, including in combination, an insulating casing, a cover secured to the casing, a bushing secured to the cover, a lever supported by the bushing, a contact carried by the lever and operable thereby to be moved in a predetermined path within the casing, said contact having oppositely disposed notches, stationary contact elements mounted on the side walls of the casing and presenting within the casing resilient extremities adapted to engage respective notches in the movable contact when the latter is in an intermediate position, a pair of contacts carried by the casing at each end thereof, the members of each pair forming within the casing a gap adapted to be bridged by the movable contact when it is moved to respective ends of its range of movement by snap action effected by the side wall contacts.

2,419,628
PROCESS FOR CHILLPROOFING AND STABILIZING WINE, GRAPE JUICE, AND OTHER FRUIT JUICES
Monroe J. Cohen, Brooklyn, N. Y., assignor to Monarch Wine Company, Inc., Brooklyn, N. Y., a corporation of New York
No Drawing. Application June 6, 1942, Serial No. 446,134
5 Claims. (Cl. 99—35)

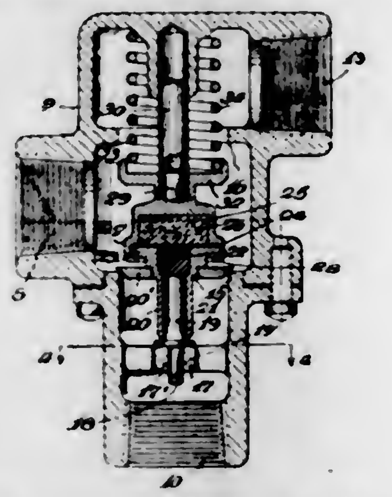
1. The method of stabilizing wine and grape juice containing potassium tartrate by the elimination of the potassium cations from the tartrates in said beverages which comprises treating the beverage with a regenerated sodium zeolite until the potassium ions in the treated beverage have been all converted to sodium ions.

2,419,629
MIDSOLE CONSTRUCTION FOR SHOES
Gerald S. Colella, Bradford, Mass., assignor to Beckwith Manufacturing Company, Dover, N. H., a corporation of New Hampshire
Application October 4, 1944, Serial No. 557,089
5 Claims. (Cl. 36—30)

3. A midsole comprising a relatively thick full length sole member of resilient material having longitudinally extending slits spaced inwardly from its edges of the shank portion and penetrating at least half way through the thickness of the material, the central area of the forepart of the midsole being recessed and a soft, light, pliable material disposed in the recessed area.



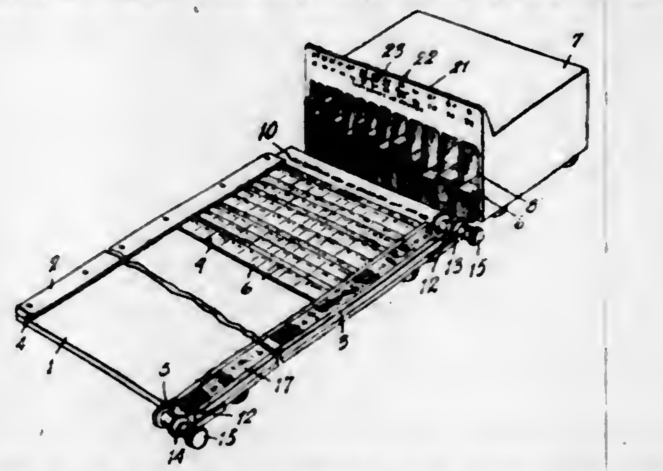
2,419,630
THERMOSTATIC SURGE VALVE
Harold Cruzan and Edward C. Warrick, Dayton, Ohio, assignors to United Aircraft Products, Inc., Dayton, Ohio, a corporation of Ohio
Application January 7, 1943, Serial No. 471,601
5 Claims. (Cl. 236—34)



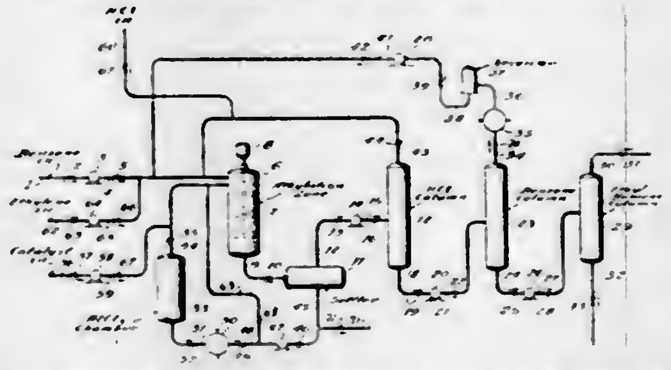
1. In a fluid control valve, a body having an inlet chamber, ports in said chamber serving respectively as main and by-pass outlets from said chamber, relatively movable first and second valves respectively controlling said main and by-pass outlets, said second valve being movable into said by-pass outlet to effect closure thereof, yielding means tending normally to hold said first valve closed and said second valve in open position out of said by-pass outlet, and means responsive to a change in the condition of the fluid entering said chamber to open said first valve and to move said second valve to closed position in said by-pass outlet, said second valve being movable through and beyond said by-pass outlet to open said by-pass outlet in response to a pressure increase in said chamber irrespective of the condition of the fluid.

2,419,631
PRODUCTION SCHEDULE APPARATUS
Frederick B. Curtenius, Kalamazoo, Mich.
Application July 15, 1944, Serial No. 545,067
8 Claims. (Cl. 35—24)

1. An apparatus of the class described comprising a plate-like holder having opposed parallel inwardly facing grooves adapted to receive the ends of record cards and removably, interchangeably and slidably support the cards in edge to edge relation, a plurality of sets of record cards of graduated width representing machine hour production, the sets of cards being ruled to provide registering columns when selected cards are arranged in the holder, the columns being adapted to receive machine run, customer identifying and order specifications, quantity and shipping specifications and date indicia, the holder having at the top thereof indicia designating the information indicia to be entered in the corresponding columns of the cards and alined therewith, a calendar disposed at the side of the holder and having 24-hour day spaces of a length corresponding approximately to the combined width of cards representing 24 machine hours production.

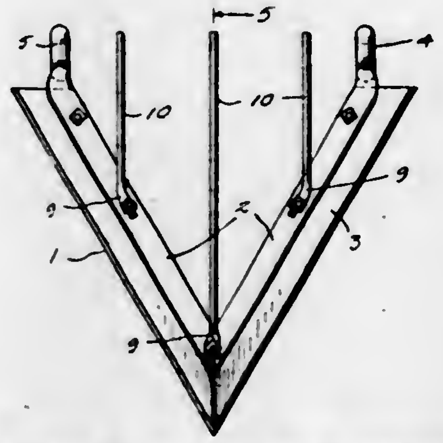


2,419,632
ALKYLATION OF CYCLIC HYDROCARBONS
Roland B. Day, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application April 29, 1944, Serial No. 533,312
5 Claims. (Cl. 260—671)



1. A process for the alkylation of an alkylatable cyclic hydrocarbon which comprises subjecting an alkylatable cyclic hydrocarbon and an alkylating agent under alkylation conditions to the action of a catalyst comprising an aluminum chloride-hydrocarbon complex formed by the interaction of aluminum chloride and an aliphatic olefin and having an aluminum chloride concentration above 60 but below 85 weight per cent of the complex.

2,419,633
PEANUT PLOW
Claude F. Douglass, Comanche, Tex.
Application June 29, 1944, Serial No. 542,641
1 Claim. (Cl. 55—54)



In a cultivator, a digging plow including a V-shaped blade element, a correspondingly shaped frame of smaller transverse dimensions than the plow, detachable securing means between the frame and the plow, tines, said tines being secured to the middle portion of the side members of the V-shaped frame and apex thereof and lying substantially flat in a rearward direction of said frame and plow, said detachable securing means being employed to detachably secure the tines to the frame.

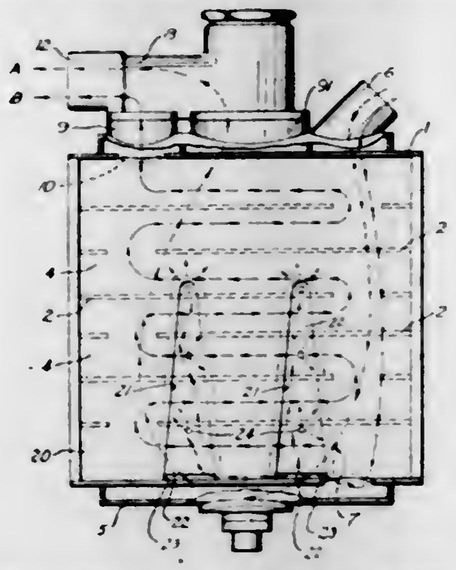
2,419,634

CONGEALABLE LIQUID CONDITIONING DEVICE

Reuben G. Dykeman, Joseph C. Shaw, and Allan C. Hoffman, Dayton, Ohio, assignors to United Aircraft Products, Inc., Dayton, Ohio, a corporation of Ohio

Application September 3, 1942, Serial No. 457,216

9 Claims. (Cl. 257—2)



1. In a conditioner for congealable liquids, a cylindrical shell having inlet and outlet means therein, a plurality of baffles extending between the ends of said shell transverse to the flow of said liquid from said inlet means to said outlet means and having a plurality of respectively staggered openings therethrough forming a tortuous flow passage, a baffle plate in said shell perpendicular to said baffles and having one edge adjacent said inlet means, said baffle having notch means extending therein from said one edge, plate means secured to said baffle plate for masking said notch means whereby to define passage means through said plate means, said plate means terminating short of said one edge and having openings therethrough whereby liquid flowing through said passage means will by-pass said tortuous flow passage.

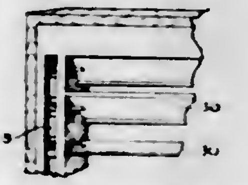
2,419,635

WINDOW LOUVRE

Waldron Faulkner, Washington, D. C.

Application March 6, 1944, Serial No. 525,225

1 Claim. (Cl. 20—62)



A window closure comprising an open frame having top and bottom members and side members, one of said side members being of hollow construction and having a front wall, a plurality of vertically spaced slats extending horizontally across the opening in the frame and being individually pivoted at their ends by elongated pivot shafts in the side members, an elongated chamber within the hollow side member having an elongated opening in the front wall thereof and being defined by parallel side walls and a rearwardly disposed wall in which spaced openings are formed which are respectively adjacent the elongated pivot shafts which extend into said chamber, an operating arm carried by each of said pivot shafts and extending radially therefrom into said chamber through one of the spaced openings in the rearwardly disposed wall thereof, providing a continuous series of operating arms within the chamber for movement by an operating member and whereby the movement of each arm is limited by the upper and lower edges of the respective opening through which the arm extends.

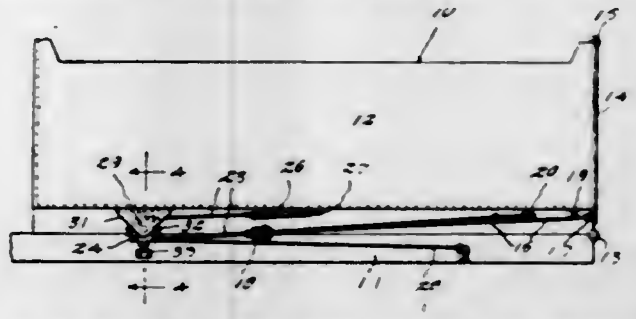
2,419,636

APPARATUS FOR AUTOMATICALLY OPERATING DUMP TRUCK TAIL GATES

Everett L. Foy, East Rainelle, W. Va.

Application August 16, 1944, Serial No. 549,711

7 Claims. (Cl. 298—23)



1. In a dump truck of the character disclosed, the combination of a truck chassis, a tiltable dump body supported on said chassis, a swinging tail gate on the dump body adapted to be opened under pressure of the discharged load as the dump body is tilted into a load-discharging position, a drum rotatively supported on the dump body, and means including a plurality of cables for interconnecting said drum with the chassis and tail gate in such a manner as to control the opening movement of the tail gate in accordance with the degree of tilting movement of the dump body and a spring acting against the cables for constantly urging the tail gate toward a closed position.

2,419,637

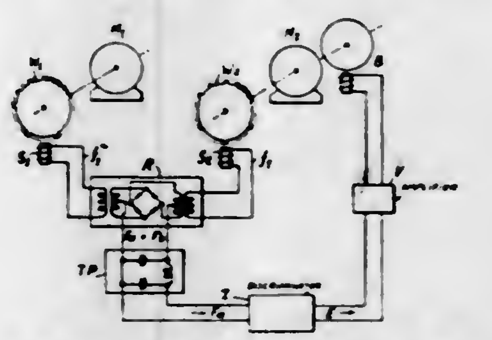
SYNCHRONIZING SYSTEM

Marcel Gabriel, Biel, and Gustav Guanella, Zurich, Switzerland, assignors to Radio Patents Corporation, New York, N. Y., a corporation of New York

Application September 8, 1944, Serial No. 553,140

In Switzerland February 20, 1943

14 Claims. (Cl. 172—293)



13. In a synchronizing system, a first rotating device, a second rotating device, means for maintaining said second device at a constant speed difference with respect to said first device comprising means for producing a pair of alternating current electric energies each having a frequency rising and falling substantially linearly between different lower and upper limits and within each period of revolution of a different one of said devices, whereby to produce a pair of relatively wide and narrow bands of difference frequencies between said energies upon relative departure of one device from synchronism with the other device, means for intermodulating said energies to produce difference frequency energy, filter means for segregating from the modulation product control energy of said narrow band difference frequencies, a discriminator for converting the segregated control energy into energy of corresponding amplitude changes, and means to control the speed of said second device by the output of said discriminator, whereby to restore and maintain the synchronism between said devices.

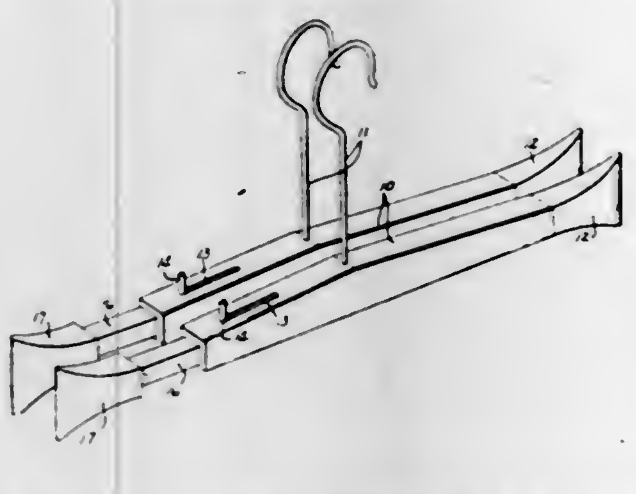
2,419,638

HANGER

Alfred Graeber, Milwaukee, Wis.

Application January 11, 1946, Serial No. 640,577

2 Claims. (Cl. 223—95)



1. A garment hanger comprising a body portion having a bore longitudinal thereof and square in cross section at one end, a threaded longitudinal stud projecting from its opposite end, a garment engaging member having a square shank slidable in said square bore, a square enlargement adjacent the outer end of said shank as a stop and terminating outwardly in a vertically flared and reduced blunt edge disposed vertically for contact with the inside of a garment, a like member for the opposite end having a threaded bore in its inner end for engaging with said stud for adjustment thereon longitudinally relative to said body, spring means for urging said shank outwardly of said body, the said body having a longitudinal slot in its top over said shank, and a pin fixed in the top of said shank extending upwardly through said slot to limit outward movement of the shank and for use as a gripping member.

2,419,639

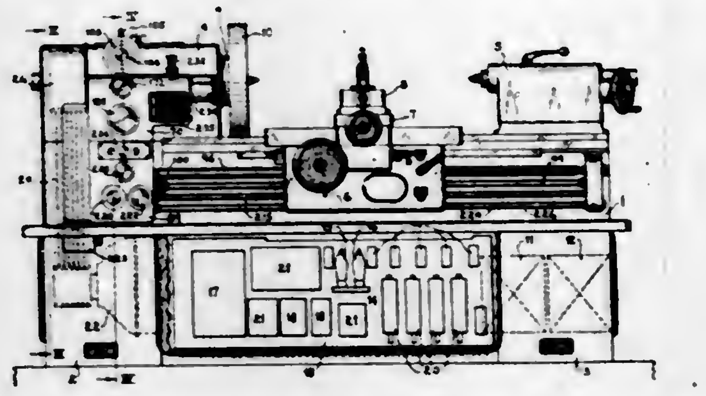
LATHE TRANSMISSION AND CONTROL MECHANISM

William F. Groene, Cincinnati, Ohio, assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware

Application October 6, 1943, Serial No. 505,143

37 Claims. (Cl. 82—29)

1. In a lathe transmission mechanism, a variable speed motor, electronic control means for varying the speed of said motor, a work spindle, change speed gearing associated with said work spindle, belted means for directly driving said work spindle or said change speed gearing associated therewith, said belted means being in common belted driving relationship to both said direct work spindle driving means and said change speed gearing.



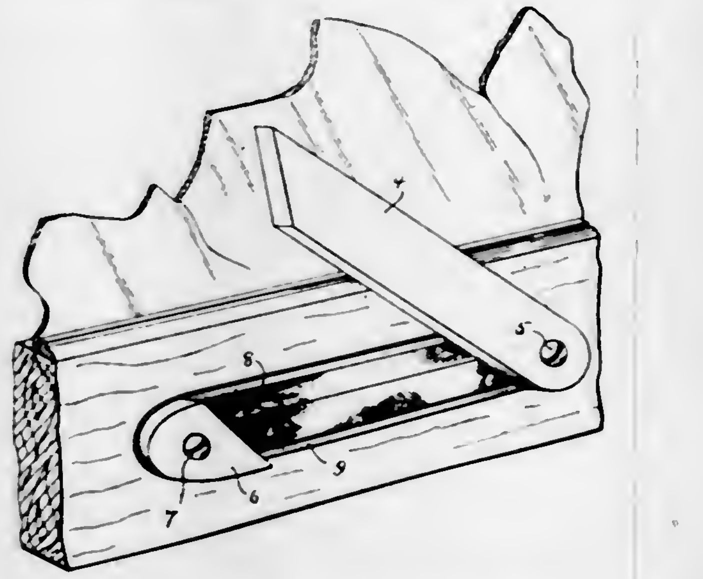
2,419,640

VENTILATOR SCREEN AND CLOSURE PACKAGE

Hugo F. Gustafson, Duluth, Minn.

Application June 19, 1944, Serial No. 540,917

1 Claim. (Cl. 206—46)



A combined screen and pivoted closure for a ventilating opening in a window sash rail, comprising an elongated screen shaped to cover said opening, a slat of the same shape as said screen overlying said screen on one face thereof, said slat being divided into a major and a minor portion along a diagonal line, said major portion secured to said screen at one end thereof, said minor portion secured to the other end of said screen to form a marketable unit, said securing means also comprising means for securing said combined screen and closure to the rail at opposite ends of said opening with said major portion pivotable in a plane parallel to said screen.

2,419,641

PHOTOELECTRIC LINE-FOLLOWING APPARATUS

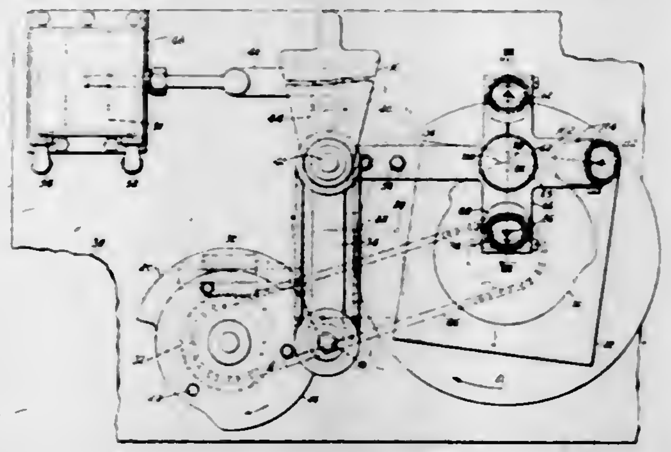
George T. Hart, Jr., Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application February 22, 1944, Serial No. 523,495

10 Claims. (Cl. 250—41.5)

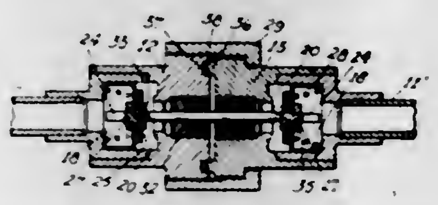
2. In an apparatus for tracking a contour, a support for an object having a contour to be tracked, a contour tracking device, a movable support therefor, power means for moving the sup-

port laterally of the contour to hold the tracking device on the contour, a photoelectric tube controlling said power means, power means for effecting relative movement between said supports to



effect relative progressive motion between the tracking device and the contour, and a mechanism including a photoelectric tube controlling said second power device.

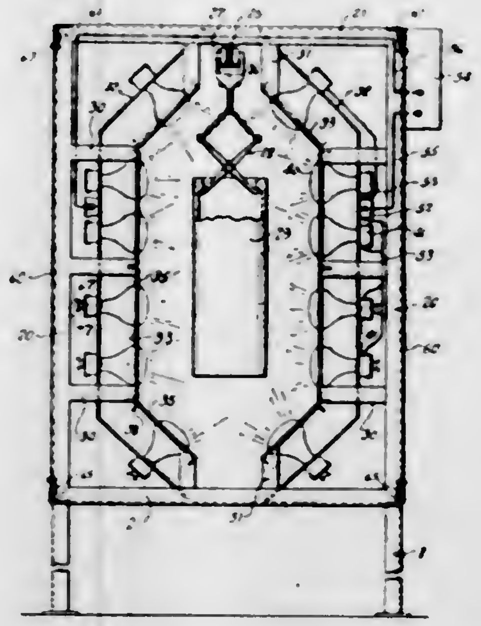
2,419,642
PIPE COUPLING
Guy J. Henry, Chicago, Ill.
Application August 17, 1945, Serial No. 611,002
2 Claims. (Cl. 284—19)



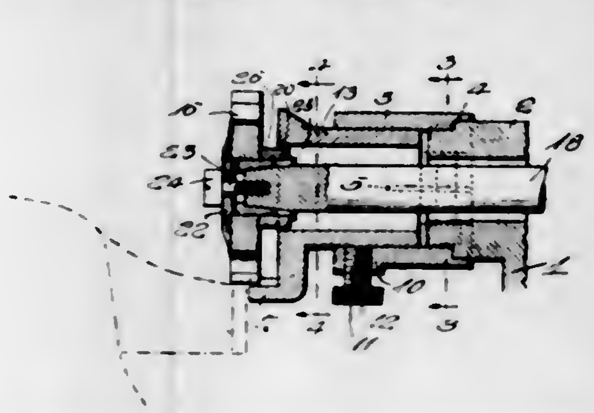
1. A coupling device adapted to communicate a pair of fluid handling members, comprising a coupling element engageable on one of said members, said element communicating said member with the exterior through an internal valve seat, a yieldably urged valve in said element engageable with said seat to prevent flow of fluid therethrough, and a valve unseating element normally disconnected from the valve in the uncoupled condition of said coupling element and disposable in fixed engagement with said valve for thrust engagement with the valve of a like coupling element, to thereby unseat both valves when said coupling elements are drawn together, said unseating element and first named valve having releasable interconnection for ready removal of the unseating element from said valve without dismantling the coupling element.

2,419,643
OVEN STRUCTURE
William H. Hudson, Detroit, Mich., assignor to James W. Swenson, Detroit, Mich.
Application October 2, 1944, Serial No. 556,870
6 Claims. (Cl. 219—34)

1. An oven structure for heat treating work pieces by infra-red radiation which comprises, a frame structure including spaced end portions having vertical frame members and cross frame members and lengthwise extending horizontal frame members connecting the end portions, a plurality of brackets secured to the end frame portions and extending inwardly of the frame, supporting members carried by the brackets at their intermediate portions, conduits for electrical conductors mounted on the supporting members and extending from end to end of the frame structure, some of said conduits having sockets therein for the reception of lamps constituting infra-red radiation sources, other supporting members carried substantially at the ends of the brackets, sheet metal reflector panels carried by the said other supports, said reflector panels having openings therein for the lamps, the spacing between the supporting members being such that the envelopes of the lamps project partially through the openings, said reflector panels defining and partially surrounding a heat zone for work pieces.

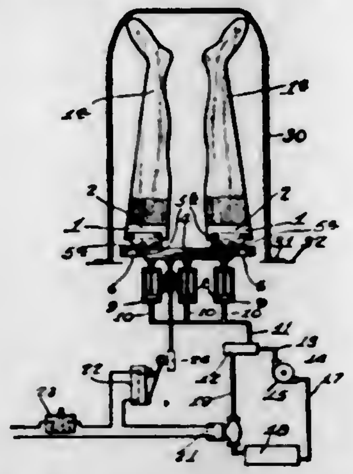


2,419,644
GUARD FOR HEEL STRIPPERS
Gordon Hunt, Parkersburg, W. Va.
Application June 9, 1945, Serial No. 598,555
5 Claims. (Cl. 12—42)



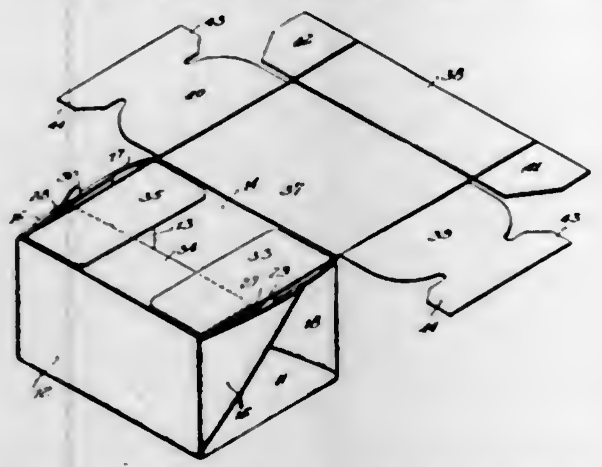
1. A stripper construction for shoe heels, comprising a shaft and bearings therefor, a tubular support, housing and gage portion, all of said parts including said shaft, and bearings, being mounted in coaxial relation and operatively secured together, a stripper disc secured on the end of the shaft and maintained thereon by a thimble having slitted end portions said thimble forming a hub on said disc, a bearing ring of predetermined length fitting about said hub and supported thereby, said thimble having arcuate flanges on its inner end portion, said flanges extending radially outward and engaging the inner end edge of said bearing ring, said disc and thimble being secured on the end of said shaft with the inner side face of the disc in abutting engagement with the outer end of the ring by a bolt and washer construction, said gage portion carrying a projection defining a guiding surface overlapping the circumference of said disc a distance controlled by the length of the ring.

2,419,645
PREBOARDING MACHINE
Alpheus O. Hurxthal, Wyncote, Pa., assignor to Proctor & Schwartz, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application May 6, 1946, Serial No. 667,650
4 Claims. (Cl. 223—76)



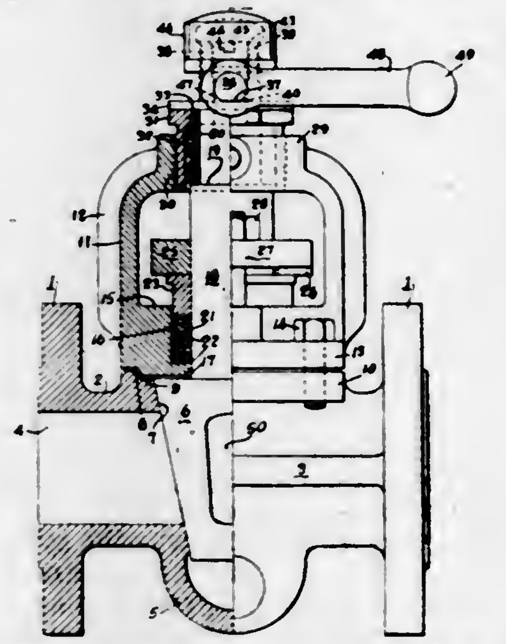
1. In a stocking treating machine including a plurality of vertical stocking forms pivotally mounted at their lower ends for movement from an inner close laterally spaced relation to an outer wide laterally spaced relation in planes radiating from a common vertical axis, a common actuator movable from a maximum low elevation to a maximum high elevation along said axis for simultaneously effecting radial outward movement of said forms into said wide laterally spaced relation, said actuator being adapted to descend from said high elevation to said low elevation free of said forms gravitationally; the combination therewith of means for controlling the descent of said actuator to stop at an elevation intermediate said high and low elevations thereof for engagement by said forms when manually moved radially inward from said outer widely spaced relation to assemble said forms in an intermediate spaced relation determined by said intermediate elevation of said actuator, and means for controlling further descent of said actuator to simultaneously move said assembled forms radially inward from said intermediate spaced relation to said inner closely spaced relation.

2,419,646
CONTAINER
William H. Inman, Newark, N. Y., assignor to Bloomer Bros. Company, Newark, N. Y., a corporation of New York
Application December 9, 1944, Serial No. 567,489
5 Claims. (Cl. 229—31)



1. A carton made from a one piece blank, cut, scored and folded to form a bottom, upwardly folded side walls, wings foldably connected with adjacent side walls and folded and overlapped in pairs against the outer sides of one pair of opposite side walls, an extension at the top of one wing of each pair folded inwardly and downwardly over the top of the other wing thereof and having an opening at the line of fold thereof, and an upwardly projected lug at the top of the other of said wings engaged in and extending upwardly through said opening for locking said wings together, said wings and the adjacent side walls of said pair being imperforate and fluid tight below the tops thereof.

2,419,647
PLUG VALVE
Oystein Jacobsen, Montgomery County, Ohio, assignor to The Duriron Company, Inc., Dayton, Ohio, a corporation of New York
Application November 24, 1943, Serial No. 511,518
5 Claims. (Cl. 251—97)

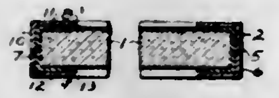


1. A valve for controlling the flow of fluid through a pipe coupling, said coupling being provided with a main passageway and an angularly positioned bore communicating therewith, a plug valve within said bore adapted to rotate, a passageway extending laterally through said plug and adapted to register with the coupling passageway when the plug is rotated, means for lifting the plug away from its seat, said means including a shaft extension on the plug with a longitudinal slot therethrough to leave a pair of spaced upstanding arcuate portions, said portions being threaded exteriorly and interiorly to receive a pair of concentrically arranged nuts, a cam shaft extending between said arcuate portions of the shaft and adapted to contact the underside of the outer of said concentric nuts, a bonnet structure secured to said coupling and surrounding said shaft, said structure terminating in a flat upper surface and said cam shaft being adapted to bear against the upper surface of said bonnet structure whereby when said cam shaft is rotated the cam surface will force the outer nut member away from the upper surface of the bonnet structure to raise the shaft and its integrally connected plug away from the valve seat.

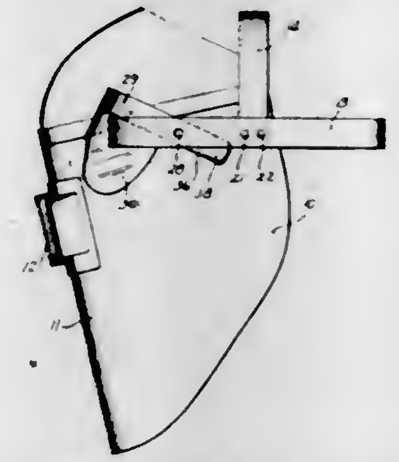
2,419,648
CLOSURE
Lamont B. Koontz, Deer Lodge, Mont.
Application March 9, 1943, Serial No. 478,578
8 Claims. (Cl. 189—76)

1. In a closure, a panel of flat transparent material having corners, means formed of metal

having a high coefficient of heat conductivity fitted about said corners and in close surface contact therewith, and a frame about the periphery of said panel overlying and in firm surface contact with said means fitted about said corners, said frame being in a sufficient state of tension to induce substantial compression in said panel.

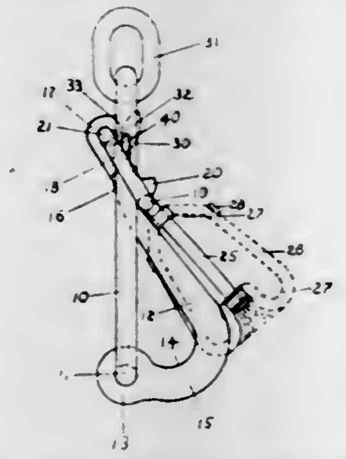


2,419,649
WELDER'S MASK
Leo Lieg, Clintonville, Wis.
Application March 26, 1945, Serial No. 584,844
3 Claims. (Cl. 2—8)



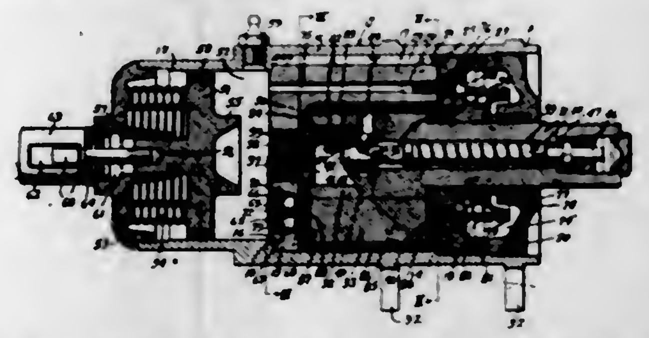
1. In a protective mask, a supporting head band, a pivoted face shield thereon, an auxiliary frontal band, pivot elements mounting said auxiliary band and spaced forwardly symmetrically of the mid-points of said head band, and tangential lever members integral with said auxiliary band and extending rearwardly and outwardly from the pivot elements and bearing frictionally against the inside of said face shield.

2,419,650
PELICAN HOOK
William Robert MacCluney, Brooklyn, N. Y.
Application November 25, 1943, Serial No. 511,728
5 Claims. (Cl. 294—83)



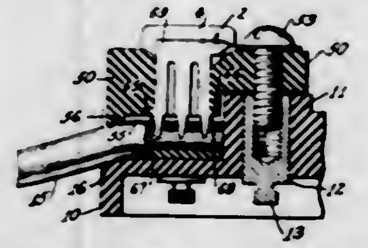
1. A hook of the character described comprising a main link having an attaching means at one end and a second link pivoted to its other end, said second link being curved outwardly from its pivot to form an eye and having its upper end nested within said main link when in closed position, a retaining link pivoted to said main link in position to be swung over the free end of the curved link to engage the same, or upwardly above the free end to release the same, and a lug upon said main link in position to cause the retaining link resiliently to engage it as the retaining link is swung into retaining position and to bear against the retaining link to hold it in retaining position.

2,419,651
HYDRAULIC DAMPING DEVICE CYLINDER CONSTRUCTION
Gervase M. Magrum, Buffalo, N. Y., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application January 31, 1944, Serial No. 520,427
6 Claims. (Cl. 309—2)



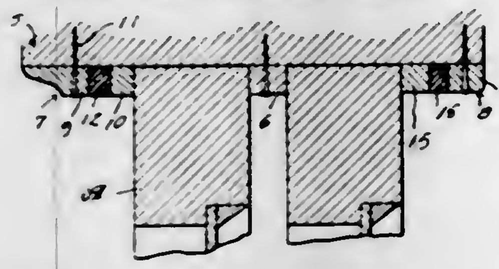
2. In a hydraulic device of the type disclosed, a cylinder wall having an inner annular internal shoulder and an outer internal annular shoulder, an inner end wall seating against said inner shoulder and having abutment legs extending outwardly therefrom with their outer ends terminating in the plane of said outer annular shoulder, an outer end wall within the outer end of said cylinder seating against said outer shoulder and the outer ends of said abutment legs, a clamping member threading into the outer end of the cylinder wall to exert pressure against said outer end wall to hold said end wall intimately against said outer shoulder and outer ends of the abutment legs and with said inner wall securely seated against said inner shoulder, said outer end wall having tapered openings therethrough and said abutment legs having tapering openings at their outer ends forming continuations of the tapering openings through said outer end wall, and tapered pins driven into said aligned tapering openings for holding said abutment legs intimately against the inner face of said cylinder wall.

2,419,652
CLAMPING MEMBER FOR TIPLESS CORD CONNECTORS
Ernest S. McLarn, Manhasset, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application February 22, 1943, Serial No. 476,737
6 Claims. (Cl. 173—340)



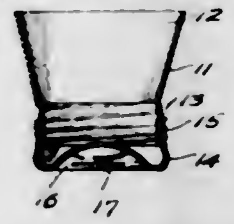
1. In a device of the character described, a clamping member provided with a plurality of slots disposed side to side in spaced parallel relationship to each other, a detachable contact member disposed in each slot, insulation piercing points on the respective contact members projecting beyond the surface of said clamping member, a screw individual to each contact member for holding said clamping member in engagement with a parallel conductor cord and for forcing the points of said contact members through the insulation of a conductor, means for automatically locking said contact members in said slots in the act of their insertion, said screws comprising means for connecting circuits to said contact members.

2,419,653
WINDOW MOLDING
Jim C. Meador, Shreveport, La.
Application September 8, 1944, Serial No. 553,219
1 Claim. (Cl. 20—52.4)



A window molding comprising an elongated anchored strip, an elongated free strip and an elongated cushion strip, in combination with a window frame and sliding sash, said free strip bearing against one side of the sash under the expansive force of the cushion strip, said cushion strip being attached at a pair of opposite sides to the opposed faces of the anchored and free strips, said attaching sides of the cushion strip being on planes converging to hold the side of the free strip, opposed to the frame, snugly against the frame, as well as against the sash when the assembled strips are disposed against the frame and held by said anchored strip.

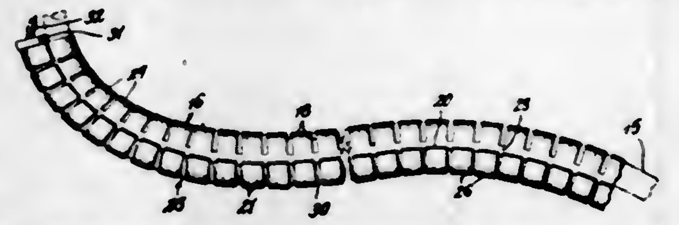
2,419,654
PASTRY DECORATOR
William V. Moore, Chicago, Ill.
Application April 27, 1945, Serial No. 590,691
1 Claim. (Cl. 107—52)



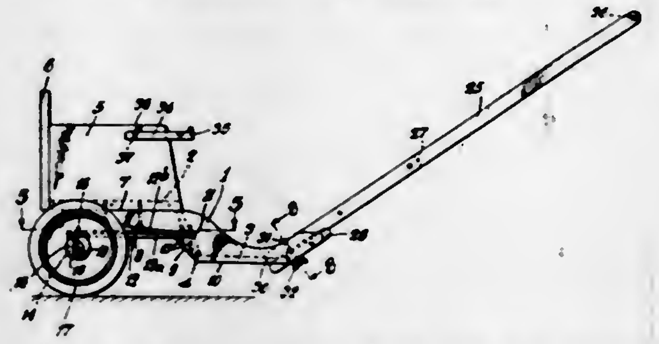
As an article of manufacture, a design-forming cap comprising a design-forming bottom wall and a bottom edge, the bottom wall being inset and curved inwardly in concave formation relative to said bottom edge, said wall having spaced design-forming slots formed therein, some of the slots being located inwardly toward the center of the bottom wall relative to the bottom edge and inwardly relative to other of said slots and being located in various elevated planes to produce a dome-like design having petals of various heights increasing in height from the edge toward the center of the designed material which is formed by forcing material through said slots.

2,419,655
ELECTRIC HEATER
Alfred A. Reiser, Buffalo, N. Y., assignor, by mesne assignments, to Titan Manufacturing Co. Inc., Buffalo, N. Y., a corporation of New York
Application August 9, 1944, Serial No. 548,638
5 Claims. (Cl. 219—46)

1. An electrical resistance heat unit of the character described, comprising a wire sheath formed of a helical metal spring having spaced convolutions which are round in cross section and helically wound to provide a laterally flexible tube, a liner for said sheath composed of a flexible dielectric material and providing a passage extending axially therethrough, and a laterally flexible resistance heating element extending longitudinally through said passage and bending in conformity with said sheath when said sheath is flexed.

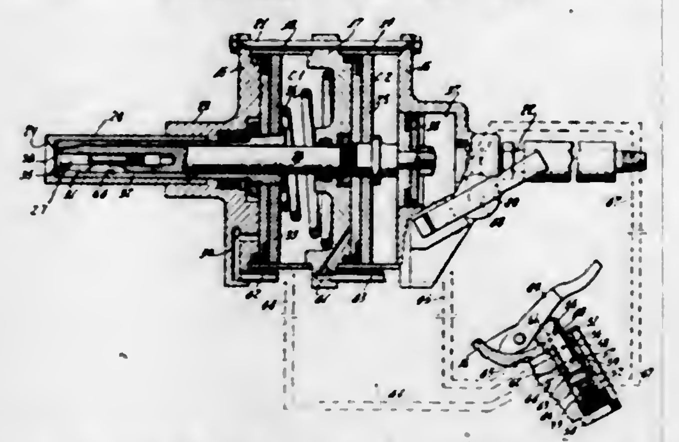


2,419,656
GOCART
Paul M. Ressinger, Chicago, Ill.
Application May 14, 1943, Serial No. 486,974
5 Claims. (Cl. 280—60)



1. In a wheel vehicle and spring structure therefor, a pair of generally parallel longitudinally extending side frame members lying in generally vertical planes, means for connecting said side frame members, the side frame members being downwardly enlarged intermediate their ends, leaf springs extending longitudinally rearwardly from said downward enlargements, said leaf springs having free rear ends, a wheel axle connecting the free rear ends of said springs, and wheels on said axle.

2,419,657
COUNTERSINKING MACHINE
James A. Roberts, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey
Application September 10, 1940, Serial No. 356,163
12 Claims. (Cl. 153—21)

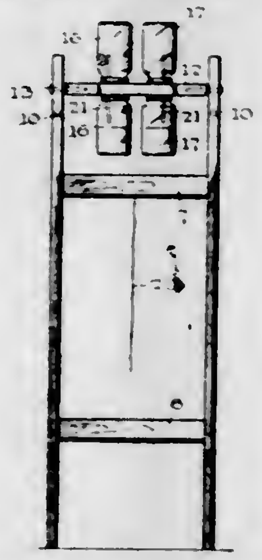


1. A gripping and pulling assembly, the elements of which are disposed about a common longitudinal axis and include; a reciprocable tool holder having a radially resilient chuck at one end thereof, a reciprocable sleeve surmounting said tool holder and operative upon movement relative to said tool holder to contract said radially resilient chuck, and independently operable fluid pressure pistons for actuating said sleeve and said tool holder.

11. A power tool for countersinking metal sheets preparatory to riveting, comprising a die forming an integral part of the tool and adapted to be pressed against one side of the work with a central opening therein in registry with a drilled hole in the work, a removable die having a stem which is passed through the drilled hole from the opposite side of the work and inserted into said integral die, the adjacent faces of said dies lying on opposite sides of the work and being formed with complementary surfaces one of which is concave and the other of which is convex, a chuck embodied in the tool for gripping the stem of said removable die following its insertion in said integral die, fluid pressure means for initiating gripping and pulling motions of said chuck to draw said removable die toward the work, said means reacting in a direction to press said integral die toward the work, whereby said dies are squeezed together to form a dimple in the intermediate sheet or sheets constituting the work, and fluid pressure control means adjustable manually from a normal position successively to partly actuated and to fully actuated positions thereby to complete a countersinking operation in separate stages each initiated at the will of the operator.

2,419,658
DEMONSTRATING DEVICE

Hiram M. Rogers, Springfield, Mass., assignor to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application May 8, 1945, Serial No. 592,683
5 Claims. (Cl. 35—50)

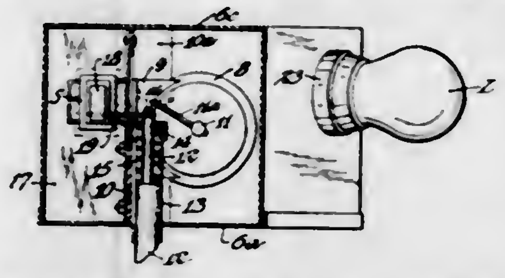


1. A demonstrating device comprising a stand, a pair of separable visible indicator members each comprising a receptacle open at one end, with the open ends sealed in communication with each other, said receptacles being adapted to contain liquid and gas and arranged one over the other, to empty one into the other upon being inverted, means on the stand for supporting said members for rotation about a horizontal axis, partition means separating the receptacles and provided with a passage restricting flow between the same, and a tubular air vent extending through the partition means to a point about midway of each of said receptacles.

2,419,659
ELECTRICAL TIME CONTROLLED RELEASE ACTUATOR

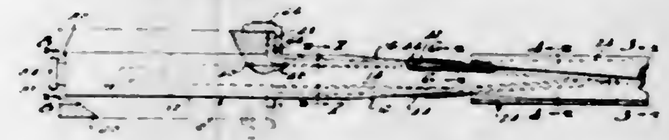
Russell Sabor, Minneapolis, Minn.
Application February 3, 1945, Serial No. 576,073
8 Claims. (Cl. 161—1)

1. An electrical, time controlled, release mechanism having in combination, an electric motor, transmission mechanism for reducing the speed and multiplying the power of said motor, said transmission mechanism having a rotary power take-off shaft provided with an actuating element, a retractable retaining member, means for urging said retaining member to protracted position, an actuated element connected with said retaining member and adapted to be actuated to retract said retaining member during a small portion of the cycle of operation of said power take-off shaft said retaining member being also retractable by mechanical pushing action against the outer end thereof and an electrical switch for controlling said motor circuit and connections between said retaining member and said switch for opening said switch each time said power take-off shaft completes a full cycle of operation.



2,419,660
HONE

Harry C. Satterthwaite, Detroit, Mich.
Application January 17, 1945, Serial No. 573,149
13 Claims. (Cl. 51—184.3)

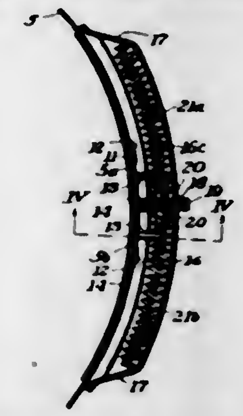


1. In a honing device, in combination, a mandrel having a pair of flat surfaces arranged on opposite sides of the longitudinal axis thereof and both equally inclined to said axis in the same direction to form a wedge, a wall bounding the angularly corresponding edge of each of said surfaces and providing a surface overhanging the line of junction between it and the corresponding first-mentioned surface, said mandrel being provided with a longitudinally extending groove therein in association with each of the first-mentioned surfaces, each said groove opening onto the corresponding first-mentioned surface in parallelism to the line of junction of said corresponding first-mentioned surface and the corresponding of said second-mentioned surfaces and extending from its point of opening onto said corresponding first-mentioned surface at an inclination to such surface away from the corresponding second-mentioned surface, an abrading member having surfaces complementary to each co-operating first and second-mentioned surfaces and receiving in complementary relation with respect thereto, and a projection on each said abrading member received in the corresponding said groove.

2,419,661
ADJUSTABLE HEADBAND FOR INDUSTRIAL HEADGEAR

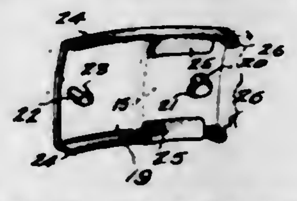
Werner I. Staaf, Rennerdale, Pa.
Application October 21, 1944, Serial No. 559,802
11 Claims. (Cl. 2—8)

1. A headgear having a head band with opposed end portions, a housing in which the end portions are received, a pair of oppositely curved coils in the housing, each coil extending along one of the said end portions, means on each end portion engaging the convolutions of the coil which extends therealong, and means for rotating the coils.



2,419,662
PENETRATING PRONG BUCKLE

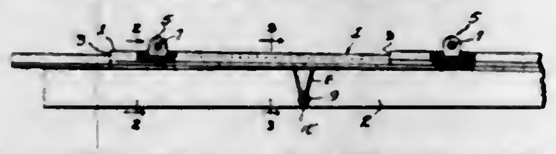
Frank A. Sutton, Onchiota, N. Y.
Application April 17, 1944, Serial No. 531,457
1 Claim. (Cl. 24—186)



A belt buckle of the class described comprising a body having substantially parallel right-angularly extending side flanges, strap clincher lips carried by said flanges near one end of the body and extending toward each other in inturned relation and also extending substantially at right-angles to the flanges in spaced relation to the body, a strap-anchoring stud carried by the body near one end thereof intermediate the clincher lips, the strap clincher lips and stud providing strap-anchoring means to fix a strap to the body and prevent accidental removal of the belt buckle from the strap, a strap-engaging hook located in spaced relation to the stud and located intermediate said flanges beyond the clincher lips near the opposite end of the body relative to the strap-anchoring stud, said strap-engaging hook providing a releasable connection for the strap, and right-angularly extending aligned strap-engaging tongues protruding beyond the clincher lips in substantially transverse alignment and located at the opposite end of the body with respect to said strap-engaging hook to detachably hold a strap in parallel alignment with said body.

2,419,663
CORRUGATED METAL ROOFING

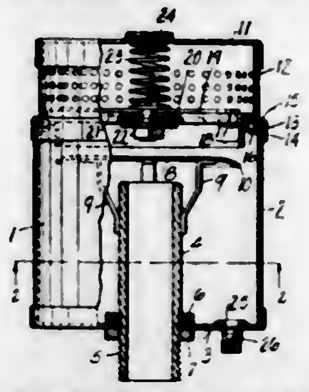
Leslie R. Swope, Huntsville, Tex.
Application December 26, 1945, Serial No. 637,205
3 Claims. (Cl. 108—13)



1. In combination, a plurality of roofing plates provided with projecting perforated lugs and slots positioned to engage when said plates are overlapped, a tie rod constructed to pass through said lugs and to be secured at their ends against displacement, a plate-anchoring bracket depending on the under-side of the overlapped plates and provided with a tubular part, and an adjustable tie rod constructed to pass through said tubular part and aligned holes in the roof rafters.

2,419,664
COMBINED AIR FILTER AND MUFFLER

Paul C. Tabbert, Bridgman, Mich.
Application June 23, 1944, Serial No. 541,709
3 Claims. (Cl. 183—41)



1. In a combined muffler and filter the combination of a cylindrical chamber member provided with a drain plug at the bottom, a pipe projecting centrally into said chamber member, and constituting a support, a deflector disk mounted on said pipe adjacent to but in spaced relation to the open upper end thereof and with its edges adjacent to but spaced from the wall of the chamber member, a top having a foraminated side wall, an annular intermediate member provided with a vertical flange telescopingly engaging said chamber member and provided with a portion supportingly receiving said top, said intermediate member having an inwardly projecting web portion terminating in an annular bead-like baffle member seat and extended into a depending flange the lower edge of which is adjacent to but spaced from the said deflector disk and inwardly spaced from the cylindrical chamber member, a baffle adapted to seat on said intermediate member seat and compirsing a disk of fibrous material and a backing plate therefor, said depending flange so disposed relative to said deflector disk and cylindrical chamber member constituting a muffle and deflector element, and a spring arranged within said top member to yieldingly urge said baffle member upon its seat.

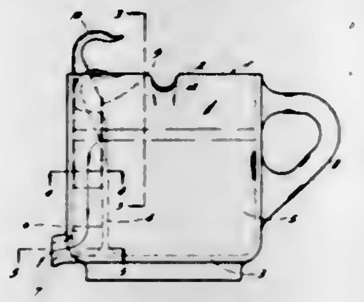
2,419,665
INTERNAL GRINDER AND POLISHER

Henry H. Talboys, Milwaukee, Wis., assignor to Nordberg Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin
Application January 25, 1943, Serial No. 473,464
16 Claims. (Cl. 51—92)

1. In a finishing device for finishing an interior generally cylindrical surface, a base, a work support movably mounted on said base, means for securing the work in relation to the work support, with the axis of the interior aperture of the work parallel with the path of movement of the work support, a rotary surface grinding element, and means for rotating it about an axis parallel with and generally concentric with the axis of the surface to be finished, a support for the rotary element extending generally along the axis of the said element and of sufficient length to permit the work to move along and surround said support, said rotary element including one or more centrifugally movable work engaging members, and means for adjusting the centrifugal outward thrust of said members.

2,419,666
DEVICE FOR SEPARATING LIQUIDS OF DIFFERENT SPECIFIC GRAVITY

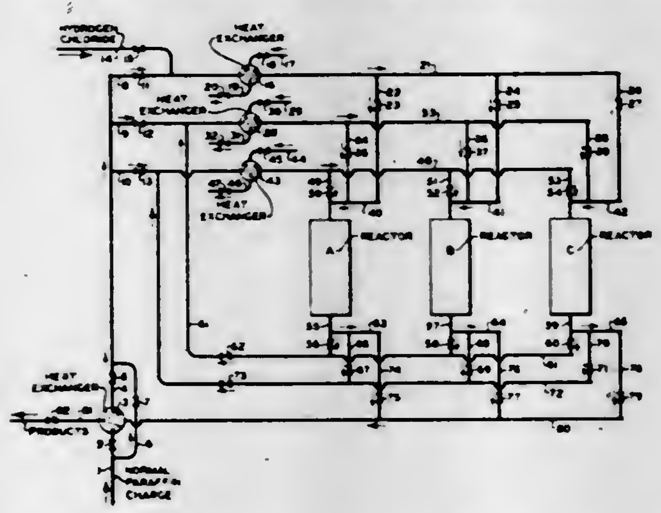
Laurence A. Werth, Dearborn, Mich.
Application July 24, 1944, Serial No. 546,397
2 Claims. (Cl. 210—51)



1. A device for separating liquids of different specific gravity comprising a receptacle having an open upper end and a partition extending upwardly from the bottom wall of said receptacle and terminating below the upper end of said receptacle, said partition dividing said receptacle into a pair of chambers, said receptacle also having an outlet leading from the lower end portion of one of said chambers, and a tubular valve extending within and fitting said last mentioned chamber and having a longitudinally extending passageway communicating at its lower end with said last mentioned chamber and at its upper end with the space above said partition, said valve having an integral handle at its upper end and being vertically adjustable to conduct the lighter liquid from the space above said partition to said last mentioned chamber.

2,419,667
PROCESS FOR THE ISOMERIZATION OF NORMAL PARAFFINS

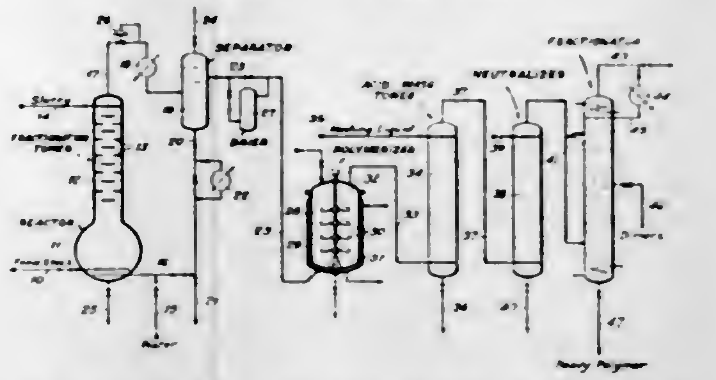
Thomas J. Williams, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application July 13, 1940, Serial No. 345,337
13 Claims. (Cl. 260—683.5)



13. An isomerization process which comprises passing paraffinic hydrocarbons together with a hydrogen halide promoter and under isomerizing conditions through a series of reaction zones containing metal halide isomerizing catalyst of increasing activity in the direction of flow of said hydrocarbons through the zones, and decreasing the concentration of hydrogen halide promoter in said zones in the direction of flow of the hydrocarbons through the series of zones by commingling an additional portion of said paraffinic hydrocarbons with the admixed reaction products and hydrogen halide discharging from a zone of lower catalyst activity to a zone of higher catalyst activity.

2,419,668
PROCESS FOR PREPARING A METHYLCYCLOPENTENE DIMER

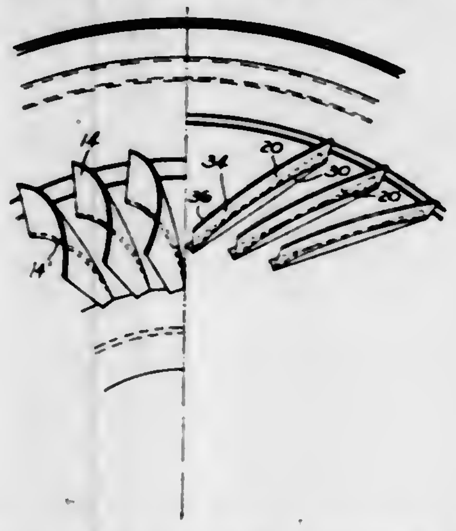
Arthur E. Bearse and John E. Leonard, Columbus, Ohio, assignors, by mesne assignments, to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application November 20, 1944, Serial No. 564,390
7 Claims. (Cl. 260—666)



1. A process for the production of a methylcyclopentene dimer comprising polymerizing a methylcyclopentene in a polymerization zone by means of a sulfuric acid polymerization catalyst, separating methylcyclopentene polymers from the said polymerization zone and fractionating said methylcyclopentene polymers to separate a dimer fraction, boiling in the range of 214–216° C. under the pressure of 749 mm. of mercury.

2,419,669
DIFFUSER FOR CENTRIFUGAL COMPRESSORS

Rudolph Birmann, Newtown, Pa., assignor, by mesne assignments, to Federal Reserve Bank of Philadelphia, a corporation of the United States of America
Application May 8, 1942, Serial No. 442,264
25 Claims. (Cl. 230—127)

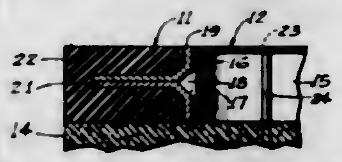


1. In combination, a rotary impeller arranged to discharge gas with an absolute velocity having substantial peripheral, radial and axial components, and means providing passages opening approximately in line with said absolute velocity to receive said discharged gas, each of said passages being bounded by walls substantially conforming to inner and outer surfaces of revolution and a pair of skew surfaces, said inner and outer surfaces of revolution being substantially hyperboloidal at the entrance portion of the passage and diverging from each other along the flow path, and said skew surfaces diverging, at their entrance portions, from each other along the flow path and also outwardly from logarithmic spirals tangent to them at their entrance edges,

each of said skew surfaces having straight line elements passing substantially through the axis of rotation of said impeller, and said surfaces of revolution and skew surfaces beyond the entrance portion of the passage providing a smooth deviation of the passage to a discharge portion thereof opening in a direction without a substantial peripheral component.

2,419,670
SHOE HEEL

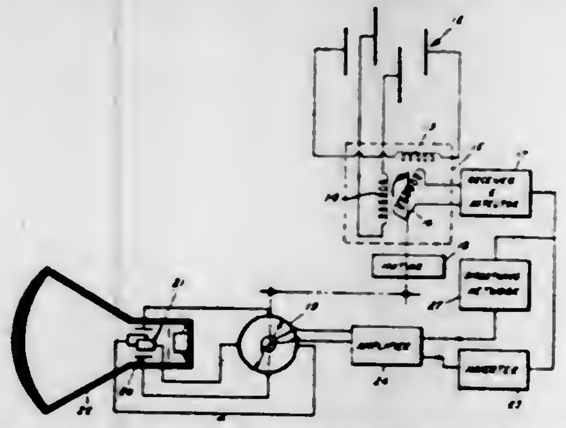
John H. Buechler, Chicago, Ill.
Application April 3, 1946, Serial No. 659,320
3 Claims. (Cl. 36—39)



1. A ring shaped heel having an angular groove formed circumferentially midway in its inner wall and adapted to receive a similarly angular projection or projections formed outside on the wall of a pilot attached to a shoe.

2,419,671
DIRECTION FINDING SYSTEM

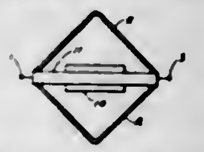
Henri G. Busignies, Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, a corporation of Delaware
Application February 26, 1942, Serial No. 432,423
6 Claims. (Cl. 250—11)



1. The method of direction finding in the presence of similar signals apparently emanating from different directions which comprises obtaining an indication of vectors defining the magnitude and direction of each apparent directional signal present under such conditions, and deriving a median of the triangle formed by said vectors and a line joining their extremes, said median extending through the midpoint of said line.

2,419,672
DIRECTIONAL ANTENNA ARRAY

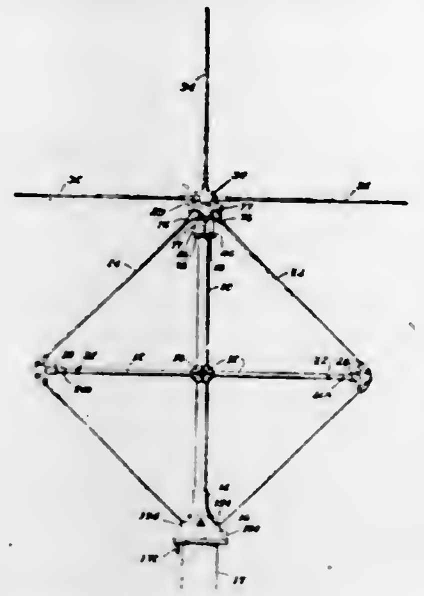
Henri G. Busignies, Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, a corporation of Delaware
Application March 12, 1942, Serial No. 434,427
10 Claims. (Cl. 250—11)



1. A directive antenna array including dipole antenna means oriented in a given longitudinal sense, and conductive shield means lying in a plane substantially normal to said dipole means having one part surrounding a transmission line and a second part defining a two-dimensional structure extending laterally from said first part intermediate the ends thereof.

2,419,673
LOOP ANTENNA

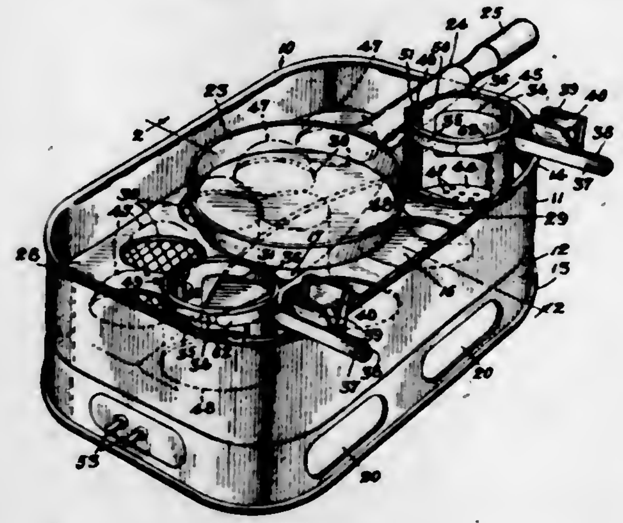
Henri G. Busignies, Forest Hills, and Philip J. Vander Woude, Riverdale, N. Y., assignors to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware
Application March 5, 1943, Serial No. 478,083
8 Claims. (Cl. 250—33)



1. A loop antenna including, in combination, a framework having a base, a central vertical supporting rod projecting therefrom, cross arms extending radially outwardly from said vertical rod, and a shielded flexible cable attached at its top to the top of said rod, stretched over the ends of said cross arms and having its ends fixed to said base member.

2,419,674
COMBINATION EGG POACHING, BOILING, AND FRYING DEVICE

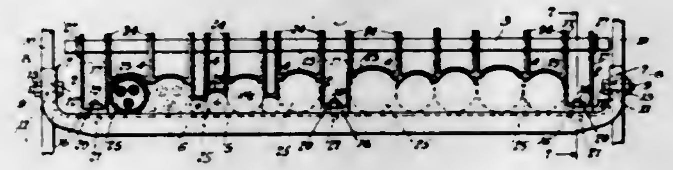
Sidney Caplan, Chicago, Ill.
Application September 26, 1944, Serial No. 555,814
8 Claims. (Cl. 99—339)



1. A device of the character described comprising, a body having a recessed compartment and centrally disposed heating means therein, an egg supporting member removably positioned in said compartment provided with a series of openings,

a mesh pocket secured below the said openings, a second supporting member removably positioned in said compartment adjacent the said first-mentioned egg supporting member also provided with a series of openings, each of the said supporting members occupying substantially one-half of the area of the base of said body, being also suitably cut away to clear the said heating means, the said second supporting member constructed and arranged to receive removably therein at least one egg poaching unit, egg poaching means removably confined within the said openings of the said second supporting member, the said heating means adapted to heat a liquid contained by the said body and further adapted to transmit heat by conduction to a cooking utensil placed thereon, and an egg poaching unit.

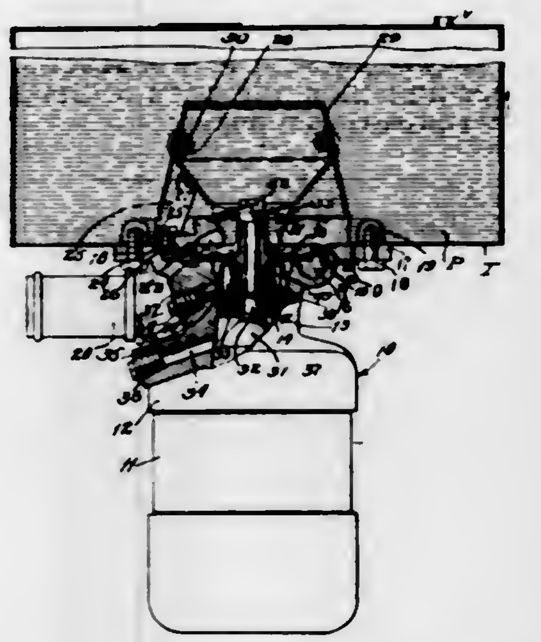
2,419,675
HANGER
John A. Carpenter, Long Beach, Calif.
Application May 30, 1944, Serial No. 539,477
5 Claims. (Cl. 248—68)



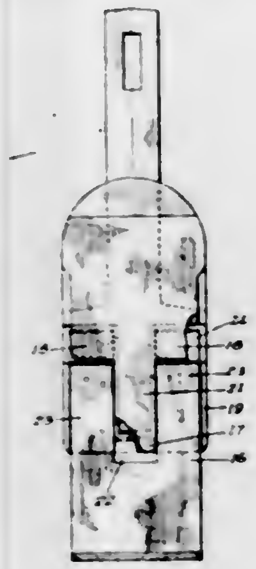
1. A hanger as disclosed including a supporting bar provided with a bolt opening intermediate its ends, and with longitudinal slots at opposite sides of said bolt opening, U-shaped stanchions, each formed with a base wall provided with a bolt opening and with a pair of spaced side walls upstanding from said base wall and provided with openings, respectively, in their upper ends, one of said stanchions being positioned on said supporting bar over said bolt opening and a screw bolt extending through said bolt openings in said supporting bar and in the base wall of said stanchion, respectively, two of said stanchions positioned on said supporting bar over said slots at opposite sides, respectively, of said bolt opening in said supporting bar, and screw bolts extending through said slots, respectively, and the bolt openings in the base wall of said two stanchions, respectively, nuts threaded on the ends of said screw bolts against the base walls of said stanchions, respectively, clamp members each formed with a seat and with side walls upstanding from said seat and provided with openings in their upper ends, said seats of said clamp members engaging cables extending across said supporting bar, and a clamp bar extending through the openings in the upper ends of the side walls of said stanchions and through the openings in the upper ends of said side walls of said clamp members.

2,419,676
BOOSTER PUMP
Russell R. Curtis and Theodore R. Dinsmore, Dayton, Ohio, assignors to Curtis Pump Company, Dayton, Ohio, a corporation of Ohio
Application April 29, 1943, Serial No. 484,974
9 Claims. (Cl. 103—113)

9. In a pump construction, a pump casing having a central inlet, and an impeller in said casing comprising a disk and pumping vanes on a face of the disk extending inward from the periphery thereof to the hub of the disk and having tapered portions extending into the casing inlet and increasing in height toward the hub to form deep uncovered swirling vane areas exposed in the inlet, and additional vanes intermediate said first vanes extending inward from the periphery of the disk a shorter distance than the first mentioned vanes.

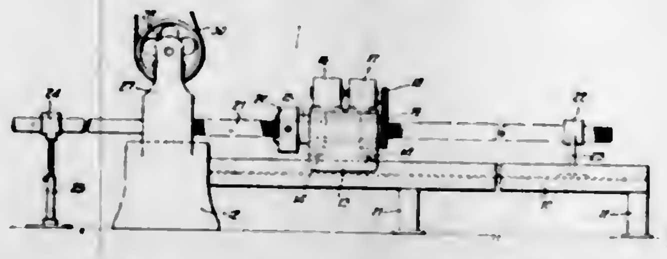


2,419,677
EXCAVATING TOOTH
Arthur W. Daniels, Cedar Rapids, Iowa, and Joseph P. Murtaugh, Oak Park, Ill.
Application February 10, 1945, Serial No. 577,222
11 Claims. (Cl. 37—142)



11. A tooth for excavating implements or the like including a tooth body having a seat thereon to receive a replaceable point, an overhanging portion centrally disposed laterally of said seat, and a pair of additional overhanging portions disposed laterally on opposite sides of the first overhanging portion and spaced substantially therefrom rearwardly of the tooth body, said overhanging portions all facing forwardly and generally toward the seat or the plane thereof with their faces sloping rearwardly toward the seat to receive and wedge against the seat a replaceable point complementally shaped, and a replaceable point restrained by the seat and spaced overhanging portions and secured in place by welding along the seat and the sides of the point, the point being exposed at the sides thereof adjacent the seat along substantially the full length of the legs.

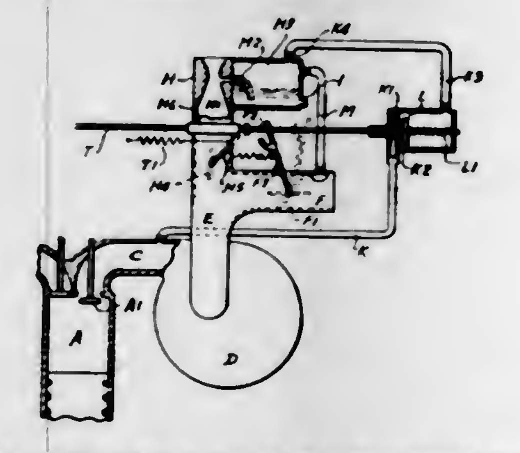
2,419,678
METHOD AND MACHINE FOR FORMING CORRUGATED TUBING
Peter Duenas and John Duenas, Forest Hills, N. Y.
Application September 14, 1943, Serial No. 502,252
4 Claims. (Cl. 153—71)



1. Method of corrugating metal tubing which comprises supporting, guiding and rotating metal tubing by the application of supporting, guiding and rotating instrumentalities substantially entirely to the outer wall surface of the tubing, while maintaining the interior of the metal tubing substantially free and unobstructed throughout its length, and simultaneously depressing the troughs and raising the ridges of the corrugations by intermittently applying and releasing metal deforming pressure in the form of a succession of intermittent pressure impulses to the outer wall of the tubing as it rotates.

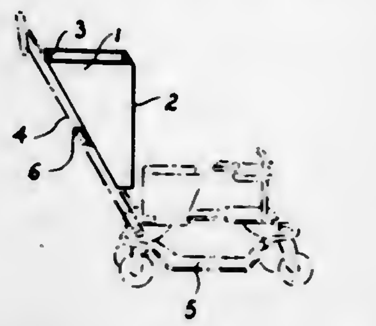
4. Apparatus for corrugating metal tubing comprising in combination a forming die adapted to receive the metal tubing, means for supporting said die and holding it against axial displacement, gripping and rotating means for driving the metal tubing while it is in said forming die, said means comprising a driven hollow spindle and chuck for receiving the metal tubing, and means for supporting and guiding said gripping and rotating means, permitting it to move freely toward and away from said forming die axially of the metal tubing in response to axial pressure applied by the metal tubing.

2,419,679
CARBURETOR
George F. Embshoff, Cincinnati, Ohio
Application December 11, 1942, Serial No. 468,667
2 Claims. (Cl. 261—24)



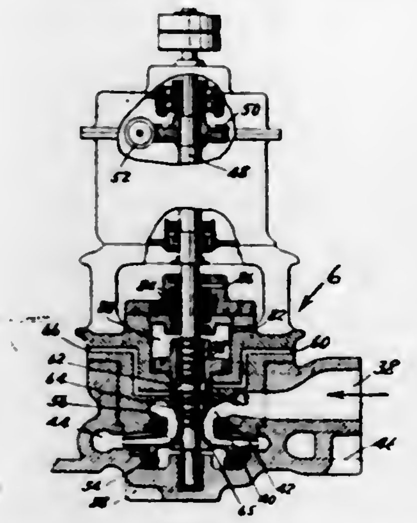
1. In a carburetor for a supercharged internal combustion engine a primary carburetor comprising a fuel bowl, a Venturi tube, a fuel jet for supplying fuel from the fuel bowl to said venturi to incoming air and a throttle for controlling the passage of such fuel-air mixture to the supercharger and thence to the engine, an air inlet for additional air leading to the mixture between said throttle and said supercharger, a throttle for controlling said air inlet, means for opening said second throttle when the first throttle is substantially wide open and means for applying superatmospheric pressure upon the fuel in said bowl when the second throttle opens.

2,419,680
GOCART RECEPTACLE
Andrew J. Flynn, Jr., Lafayette, Calif.
Application April 25, 1945, Serial No. 590,229
2 Claims. (Cl. 224—29)



1. The combination with a vehicle having a manipulating handle comprising spaced substantially parallel bars connected by a cross bar; of a container of greater breadth than the distance between said spaced bars adapted to be supported therebetween, and hooks carried by said container for supporting engagement upon said cross bar and spaced apart a distance equal to the distance between said spaced bars.

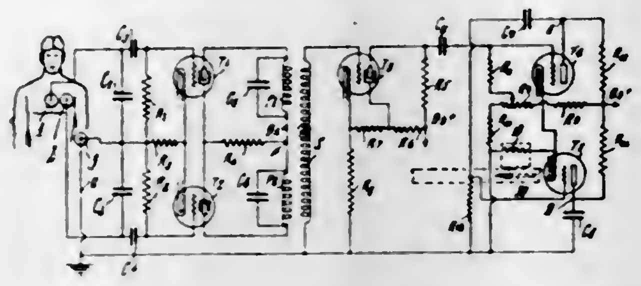
2,419,681
CIRCULATING PUMP SEALING SYSTEM
Hans Gartmann, Trenton, N. J., assignor to De Laval Steam Turbine Company, Trenton, N. J., a corporation of New Jersey
Application January 8, 1944, Serial No. 517,608
7 Claims. (Cl. 122—411)



1. In a forced-circulation boiler system, a boiler, a centrifugal impeller, means connecting said impeller to the boiler for forced circulation of liquid through the boiler, a shaft mounting said impeller, packing for the shaft, said packing being of a type liable to damage at boiler pressure, means providing a chamber about the shaft, means connecting said chamber to the vapor space of said boiler, means restricting flow along the shaft between said chamber and said packing thereby to reduce the pressure of vapor reaching the packing to a safe value substantially below that in said chamber, a second chamber about the shaft on the side of the first chamber opposite said packing, means for maintaining in the second chamber a pressure below both the pressure in the first chamber and the suction pressure of the impeller, and means for restricting flow along the shaft from the first chamber to the second chamber, said arrangement preventing passage of liquid from the impeller to the first chamber.

2,419,682
ELECTROCARDIOTACHOMETER

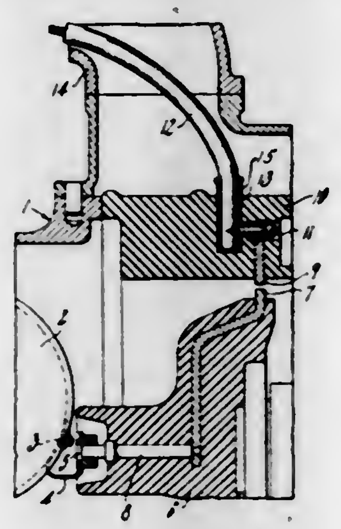
Victor Guillemin, Jr., Dayton, Ohio
Application February 11, 1942, Serial No. 430,393
6 Claims. (Cl. 128—2.06)



1. An apparatus of the class described comprising a plurality of electrodes adapted to be connected to an organism to take up bio-electrical variable currents and connected to an in-put circuit, said circuit eliminating undesirable frequency components coming from the active potentials of the skin and skeletal muscles and from interfering sources outside the subject, said circuit being connected to the grids of amplifying tubes disposed in balanced arrangement and having associated means to partially suppress pulses arriving at the grids of the tubes in-phase but not suppress pulses that are opposite in phase, and an output transformer for the tubes further suppressing in-phase pulses and having oppositely wound primaries whereby a like change in current does not cause induced potential in the secondary winding, condensers in parallel with said primaries forming parallel resonant circuits constituting the plate loads of said tubes, said tubes having high impedance plate circuits whereby their power output to the load is small except for a narrow band of frequencies near the resonance frequency of the plate loads which latter frequency is that of the electrical impulses developed by the heart muscle.

2,419,683
SEALING HIGH-TENSION WIRES IN SOCKETS

William O. Henschke, Longmeadow, Mass., assignor to American Bosch Corporation, Springfield, Mass., a corporation of New York
Application December 26, 1942, Serial No. 470,139
3 Claims. (Cl. 173—340)



1. The method of removably and insulatingly sealing or resealing in an electrical device intended to be subjected to rarified atmosphere the space between an insulated high tension wire and an insulator socket in such manner that the wire and seal may be withdrawn from the socket at will, and also sealing the space in the socket around an electric connector for the wire, which consists in enclosing the end of the wire in a permanently elastic insulating boot having a normal inner diameter less than the outer diameter of the wire to be placed therein and a normal outer diameter greater than the inner diameter of the socket adapted to receive the same, then stretching the boot while on the wire to reduce the outer diameter of the boot to that required to enter the socket, then inserting the wire and boot in the socket while maintaining the boot in stretched condition around the wire, and then releasing the entire boot so that it tends to return to normal and fills the space between the wire and socket, said boot and wire being removable at will from the socket by stretching the boot on the wire within the socket until the outer diameter of the boot is reduced to that required to be withdrawn from the socket with the wire therein and inserting a connector in the socket into electrical connection with the wire so that when normal the boot fills the space between the wire and socket and also fills the space in the socket around the connector.

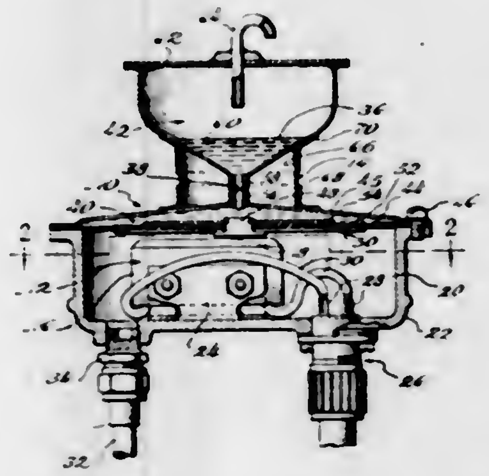
2,419,684
REFRACTORY AND INSULATING MATERIALS

Norman A. Johnson, Lancaster, and Paul H. Stern, Penn Township, Lancaster County, Pa., assignors to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
No Drawing. Application July 21, 1943, Serial No. 495,622
8 Claims. (Cl. 106—64)

6. A castable insulating refractory mix comprising from about 76% to about 82% by volume of insulating refractory grog particles; from about 16.5% to about 23% by volume of binder including fire clay and hydraulic cement; from about .5% to about 1% by volume of an inorganic suspending colloid; and from about .05% to about .0125% by volume of wetting agent.

2,419,685
ELECTRIC SWITCH

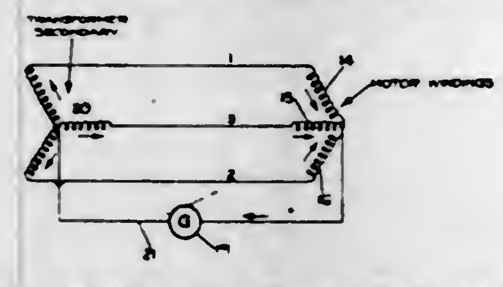
John H. Leslie, II, Winnetka, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application December 14, 1944, Serial No. 568,173
4 Claims. (Cl. 200—83)



1. A pressure actuated switch of the type including movable switch operating means, including in combination, a fluid-tight compartment for said switch, a diaphragm closing said compartment located in cooperative relation to and adapted to move said operating means, and means for opposing movement of the diaphragm, said last mentioned means including a variable volume chamber comprising said diaphragm, and a generally conical top spaced a short distance from the diaphragm to limit movement of the latter, a reservoir defining chamber, a flow-restricting orifice located centrally of and interconnecting said chambers, and a vent-defining tube located centrally of and extending into said reservoir.

2,419,686
ELECTRICAL CIRCUIT

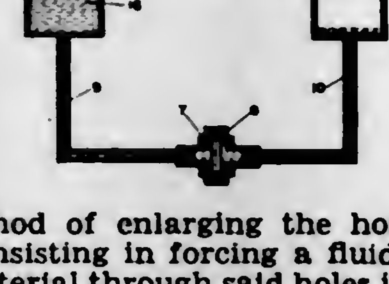
James Robert Lindsay, Bexley, Ohio, assignor to The Jeffrey Company, a corporation of Ohio
Application August 16, 1944, Serial No. 549,738
3 Claims. (Cl. 172—126)



1. An electrical circuit for a vibratory electromagnetic motor including a source of alternating current, means for superposing a pulsating direct current voltage on said circuit having a frequency determined by said source including a three phase transformer having a secondary consisting of three star connected windings each having a rectifier connected in series therewith, one of said phases being reversely connected whereby the current flow through said tubes will be 60 degrees apart.

2,419,687
METHOD OF OLIVING JEWELS

George Paul Luckey, Lancaster, Pa., assignor to Hamilton Watch Company, Lancaster, Pa.
Application November 24, 1945, Serial No. 630,599
4 Claims. (Cl. 51—282)

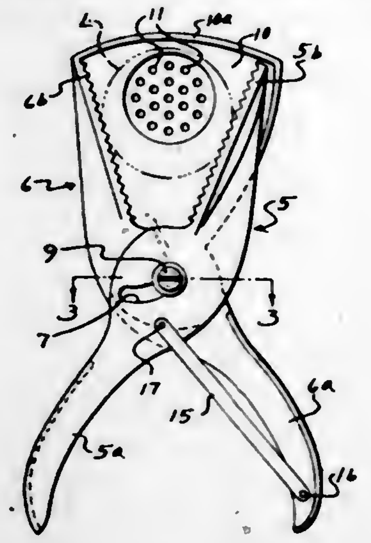


1. A method of enlarging the holes of jewel bearings consisting in forcing a fluid containing abrasive material through said holes in one direction for a predetermined period of time, reversing the direction of flow of said fluid for a like period of time.

2,419,688
FRUIT JUICE EXTRACTOR

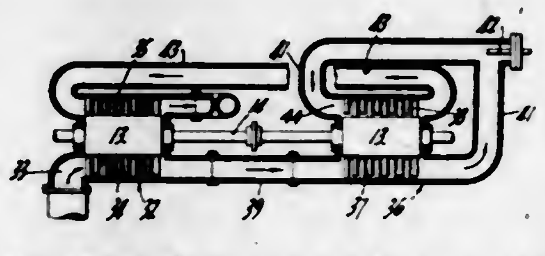
Collins Mason, Beverly Hills, Calif.
Application August 15, 1944, Serial No. 549,515
10 Claims. (Cl. 100—41)

1. A fruit juice extractor comprising a pair of lever members, means pivotally and slidably connecting said members together for swinging and longitudinal movement relative to each other, means cooperating with said members to move them longitudinally relative to each other in response to said relative swinging movement, and fruit-retaining means carried by one of the lever members.



2,419,689
GAS TURBINE

Raymond K. McClintock, Emporium, Pa.
Application November 5, 1942. Serial No. 464,569
5 Claims. (Cl. 60—41)



1. In an axial flow gas turbine, a casing, a rotor having a plurality of radially extending blades thereon, means associated with said casing including an inlet at one side of the blades and an outlet at the other side of the blades for passing fluid axially past said blades during a portion of each revolution thereof for effecting compression of such fluid, means for heating the fluid discharged from said outlet, and means associated with said casing including a second inlet at said one side of the blades and a second outlet at said other side of the blades for directing the heated fluid against said blades during another portion of each revolution thereof for driving the rotor, the flow of fluid between both of said inlets and said outlets being in substantially the same direction.

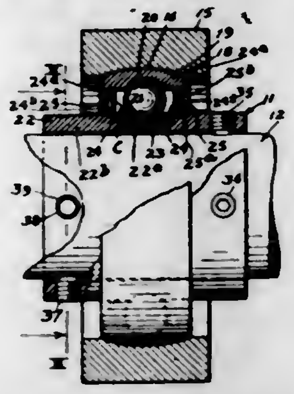
2,419,690
CONVERSION OF HYDROCARBONS

Herman Pines and Vladimir N. Ipatieff, Riverside, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application May 31, 1944, Serial No. 538,206
9 Claims. (Cl. 260—666)

8. The process for producing a poly-alkylated cyclic compound which comprises subjecting a cyclic terpene compound at a reaction temperature of from about 100° C. to about 450° C. in the presence of a hydrogen halide to the action of a catalyst consisting essentially of at least one refractive oxide selected from the group consisting of alumina, boria, silica, zirconia and titania.

2,419,691
BEARING ASSEMBLY

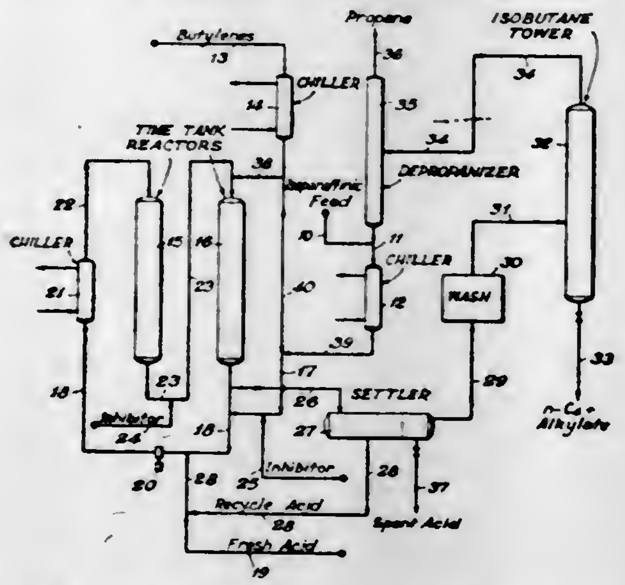
Julius E. Shafer, Chicago, Ill.
Application December 23, 1943, Serial No. 515,379
5 Claims. (Cl. 287—52.08)



4. In a bearing assembly having a one-piece inner race ring receiving a shaft freely therethrough, the improvement of a shaft lock comprising set screws threaded through said inner race ring at opposite ends thereof, said set screws in said opposite ends being in circumferentially offset relationship to each other for acting on said shaft to tilt the race ring relative to the shaft and secure said race ring in fixed tilted relation.

2,419,692
ALKYLATION

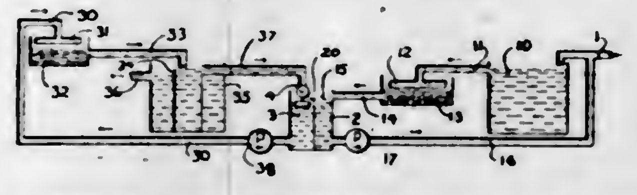
Bernard H. Shoemaker, Hammond, Ind., and Bernard L. Evering, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application December 10, 1943, Serial No. 513,769
3 Claims. (Cl. 260—683.4)



1. The method of synthesizing hydrocarbons boiling within a narrow range which method comprises contacting isoparaffinic and olefinic hydrocarbons with a mineral acid alkylation catalyst at a temperature of between about 40 and 60° F. within a first contacting zone, withdrawing the reaction mixture from said first contacting step, supplying the withdrawn reaction mixture to a second contacting zone, commingling between about 0.1 and about 1.5 per cent of benzene, based upon the volume of total hydrocarbons supplied to the second contacting zone, with the reaction mixture and contacting the reaction mixture and added benzene in the second contacting zone at a temperature substantially above that employed in the first contacting step, the added benzene inhibiting the normal tendency for the alkylation catalyst to disproportionate the alkylation product at the higher alkylation temperature.

2,419,693
SEWAGE DISPOSAL SYSTEM

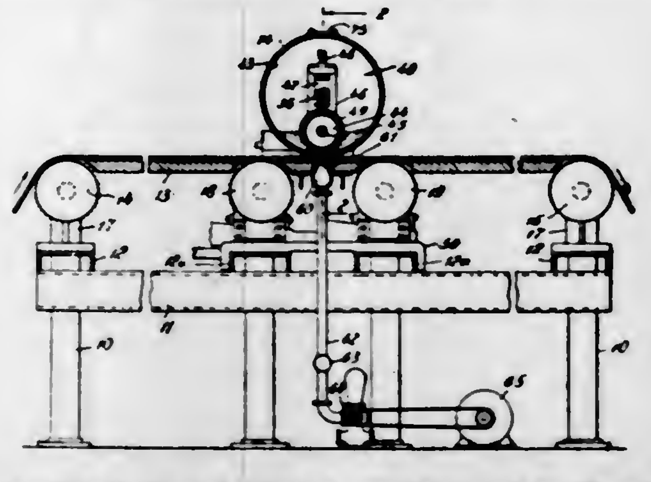
Leo Charles Short and Ewald A. Iwen, Seattle, Wash., assignors to The Austin Company, Seattle, Wash., a corporation of Ohio
Application January 29, 1943, Serial No. 473,946
14 Claims. (Cl. 210—5)



1. A sewage disposal system comprising a sump arranged to receive influent at varying or random rates, a filter bed at a level above said sump, means, including a constant-delivery pump, connecting said sump to said filter bed for delivery of influent from the sump to the filter bed at a constant rate which exceeds the normal influent rate to the sump, means, including a gravity flow conduit, connecting the filter bed to the sump, for return of filtered liquid to the sump at a substantial head, valve means in said gravity flow conduit, and automatically operable in accordance with the instantaneous influent rate to the sump, to maintain such return flow at a rate sufficient to insure return to the sump of sufficient volume of liquid to compensate for the volume difference between filter supply rate from and influent rate to the sump, and means to effect discharge from the system of filtered liquid in excess of such compensating volume.

2,419,694
METHOD OF STENCILLING PILE FABRICS BY SUCTION

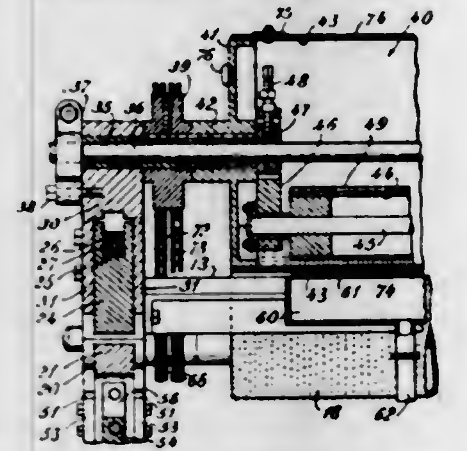
Howard L. Shuttleworth, Amsterdam, and Garfield J. Underwood and Lewis R. Jones, Broadalbin, N. Y., assignors to Mohawk Carpet Mills, Inc.
Application October 26, 1944, Serial No. 560,448
1 Claim. (Cl. 101—129)



A method of printing a pattern upon the pile of a pile fabric by means of a cylindrical stencil sheet mounted for rotation on a horizontal axis, which comprises maintaining a body of coloring matter on the inner surface of the sheet at the bottom thereof, advancing the fabric with its pile up below the sheet in a direction at right angles to the axis of rotation of the sheet, causing the sheet to make light contact with the tips of the pile tufts of the fabric along a line at right angles to the direction of movement of the fabric, without distorting the tufts, by rigidly supporting the fabric from beneath in a plane over substantial areas at both sides of the line of contact of the sheet and fabric, rotating the sheet at the same surface speed as the fabric, forcing coloring matter through the sheet along said line of contact, and applying suction to the fabric through its under surface along said line of contact.

2,419,695
MACHINE FOR STENCILLING FABRIC WITH SUCTION

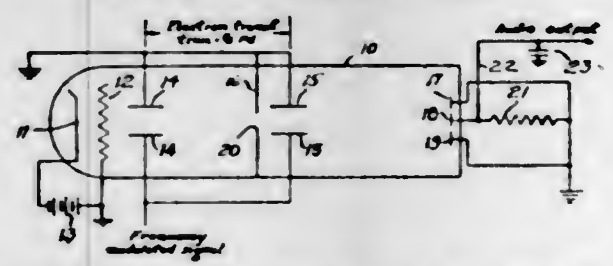
Howard L. Shuttleworth, Amsterdam, and Garfield J. Underwood and Lewis R. Jones, Broadalbin, N. Y., assignors to Mohawk Carpet Mills, Inc.
Original application October 26, 1944, Serial No. 560,448. Divided and this application October 18, 1945, Serial No. 623,116
3 Claims. (Cl. 101—119)



1. In fabric printing apparatus, the combination of a table having a horizontal top, a perforated rotary drum having a stencil sheet wrapped about it, the drum being adapted to contain a body of coloring matter, means within the drum cooperating with the inner surface of the drum for forcing coloring matter through the lowest part of the sheet as the drum rotates, a mounting for supporting the drum above the table, a suction chamber extending into an opening through the top of the table, the chamber terminating in the plane of the table top and having an orifice at its upper end, which extends across the table and lies in vertical alignment with the axis of the drum, a pair of spiked rolls extending into transverse openings in the table top on opposite sides of the opening for the suction chamber, the spiked rolls being tangent to the plane of the table top and lying with their axes parallel to the drum axis, and means for rotating the rolls and drum at the same surface speed.

2,419,696
RADIO RECEIVER FOR FREQUENCY MODULATED SIGNALS

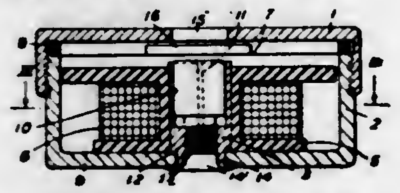
David B. Smith, Flourtown, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application January 8, 1945, Serial No. 571,932
11 Claims. (Cl. 250—27)



1. In a receiver for frequency modulated signals, in combination, an electron gun tube comprising a gun type cathode, an accelerating anode and a plurality of deflecting plates, means for applying a potential between said cathode and said anode, said deflecting plates being arranged in pairs, one pair being spaced from the other longitudinally of the tube, said spacing and said anode potential being of an order of magnitude such that the transit time of an electron from one pair of plates to the other will be equal to the period of a small number of half cycles of a received frequency modulated signal at one of the limits of the deviation band of said signal, and means for applying received frequency modulated signals to said two pairs of deflecting plates simultaneously.

2,419,697
ELECTROMAGNETIC TELEPHONE RECEIVER

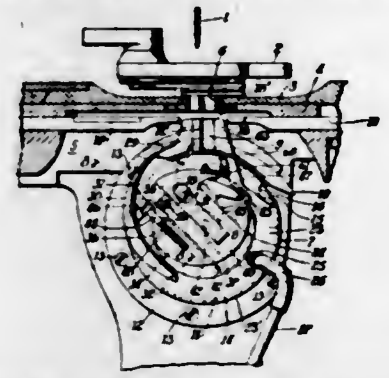
Joachim Wolff, London, England, assignor of one-half to Hettie Dent, London N. 6, England
Application November 10, 1944, Serial No. 562,799
In Great Britain November 19, 1943
2 Claims. (Cl. 179—114)



1. In a telephone receiver the combination with a circular casing having a centrally apertured bottom and an open top, and a diaphragm located over said open top, of a resiliently split sleeve of soft iron secured centrally in said centrally apertured bottom, and a pole adjustably mounted in said split sleeve, a bobbin surrounding said split sleeve, two flanges of different diameter on said bobbin, the smaller flange bearing against the bottom of said casing, said larger flange being spaced at a short distance from the wall of said casing, and a coil mounted on said bobbin.

2,419,698
THREAD CASE AND CARRIER THEREFOR FOR LOCK-STITCH SEWING MACHINES

Alfred R. Wood, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application August 21, 1945, Serial No. 611,722
28 Claims. (Cl. 112—231)



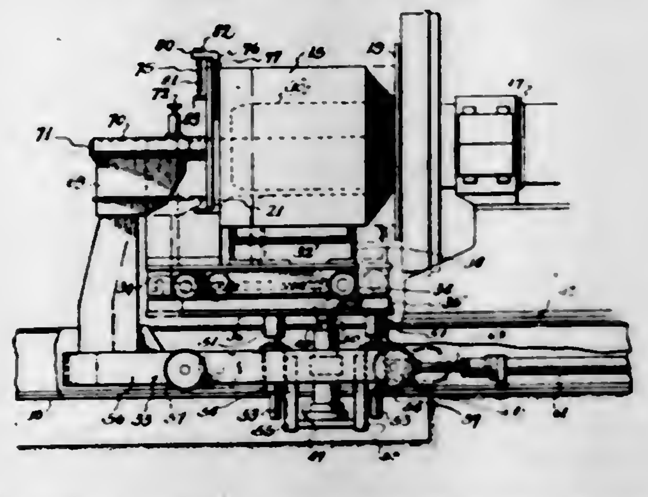
1. A loop-taker for sewing machines, comprising, a circularly moving body-member having a thread-loop seizing beak and a raceway, thread-mass enclosing means provided with a bearing-rib journaled in said raceway, means for restraining said thread-mass enclosing means against turning movement with said body-member, a guard-member on said thread-mass enclosing means having a portion thereof of greater diameter than said bearing-rib at the loop-cast-off position of said body-member, and a thread-loop absorbing member carried on said thread-mass enclosing means and effective with said guard-member in controlling the cast-off thread-loop.

2,419,699
LOADING AND FEEDING APPARATUS FOR COILS OF STRIP METAL

Frank J. Wood, Riverside, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application June 8, 1944, Serial No. 539,368

9 Claims. (Cl. 242—79)



1. In a device for feeding strip metal and in combination with a rotatable expansible mandrel, means for loading a coil of strip metal onto said mandrel comprising a carriage mounted for movement in the direction of the axis of said mandrel, another carriage mounted on said carriage for movement with respect thereto in the same direction as said first mentioned carriage, and forming a support for said coil, means for elevating said second mentioned carriage to elevate the coil of strip metal into position for loading onto said mandrel, engaging means on said first mentioned carriage for engaging the edge of said coil opposite from said mandrel, and means for moving said carriages towards said mandrel for loading said coil onto said mandrel, said means being adapted to move said first carriage after said coil has been loaded onto said mandrel, while said second carriage remains in a stationary position, to cause said engaging means to align the edges of the turns of said coil while said coil is supported on said second carriage.

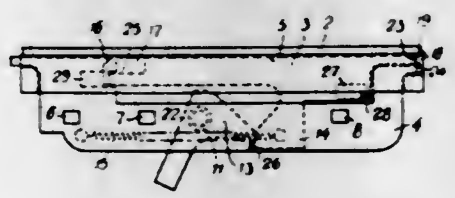
2,419,700
ASSEMBLER FOR LINE CASTING MACHINES

Einar Erik Alm, Stockholm, Sweden

Application January 5, 1944, Serial No. 517,101

In Sweden February 5, 1941

6 Claims. (Cl. 199—29)



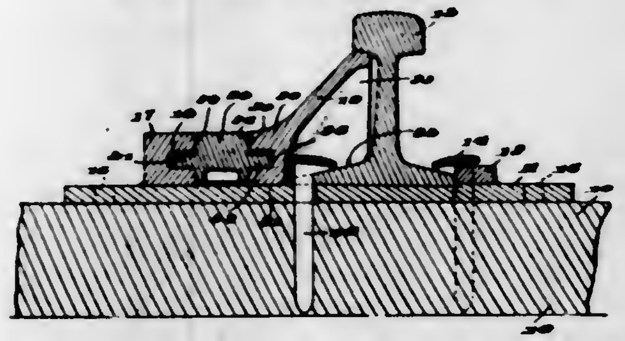
1. An assembler for line casting machines comprising a fixed matrix assembling rail, a second matrix assembling rail including a plate member and a slide carried thereby for longitudinal movement, means supporting said second rail for lateral movement between a retracted position and a projected operative position in which said slide is over said first rail, and means for moving said slide longitudinally between a matrix receiving position and an inoperative position when said second rail is in projected position; said last means comprising an arm mounted on said plate member for pivotal movement to displace the slide in one direction and a spring for displacing the slide in the opposite direction.

2,419,701
RAIL BRACE

James H. Asselin, Winnetka, Ill.

Application July 18, 1944, Serial No. 545,419

9 Claims. (Cl. 238—292)



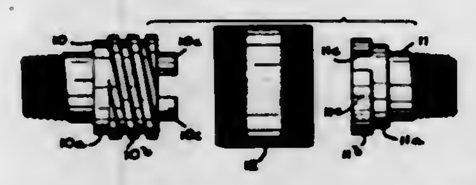
1. A rail brace comprising, a base plate adapted to be disposed beneath a railroad rail, said base plate having a raised abutment for engaging one edge of the rail base, a block rigid with the base plate and spaced from the opposite edge of a rail when said rail is disposed in place on said base plate, said block having a surface facing toward said rail, a brace member for engaging the rail, said brace member being positioned between the rail and said block and having a surface facing toward said block, the facing surfaces of said block and brace member being contained in non-parallel planes, the surface of said block facing said rail having a longitudinal groove of rectangular section extending throughout its length, a wedge adapted to be driven horizontally between said block and said brace member, said wedge having side surfaces complementary to the adjacent surfaces of said block and said brace member, a rectangular sectioned tongue extending laterally from the side surface of the wedge adjacent said block for engagement within said groove when the wedge is driven into place, the cross sectional area of said groove being slightly larger than that of said tongue, the adjacent surfaces of said wedge and said brace member being complementary in profile.

2,419,702
QUICK DETACHABLE COUPLING

Frederick A. Barnes, Cleveland Heights, Ohio

Application August 5, 1944, Serial No. 548,175

2 Claims. (Cl. 285—177)



1. In a quick detachable coupling, two tubular parts to be coupled in axial alinement with their ends abutting, said parts having their inside diameters equal, an annular flange extending radially outwardly near the end of a first of said parts, there being a plurality of recesses extending axially through said flange and opening radially outwardly of said flange and spaced regularly about its circumference, a plurality of tongues extending from the end of a second of said parts substantially parallel to its tubular axis and adapted to enter said recesses when said ends abut, a sleeve surrounding said abutting ends, said sleeve having an internal diameter snugly embracing the outer circumference of said flange, interengaging threads on said sleeve and said second part, and a plurality of lugs extending radially inwardly from said sleeve and adapted to pass through said recesses to lie in back of said flange, whereby with said tongues, lugs and recesses alined said ends may be placed in abutting relation with said lugs on the side of said flange away from said abutting ends, and rotation of said sleeve will move said abutting ends tightly together, after which said sleeve prevents angular play of said first part relative to said second part.

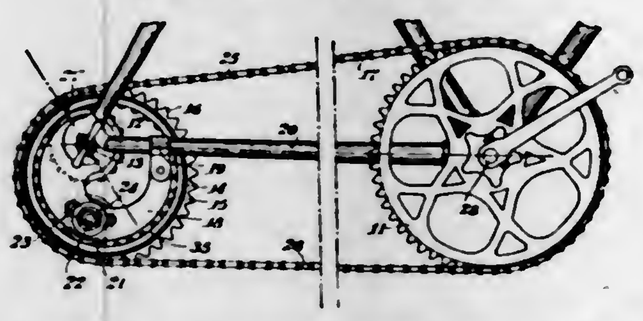
2,419,703
POWER TRANSMISSION GEAR

Benson George Willis Bartlett, Darlington, England

Application August 4, 1944, Serial No. 548,008

In Great Britain August 12, 1943

9 Claims. (Cl. 74—217)



1. A speed-multiplying power transmission gear comprising a small diameter driven wheel and a relatively large diameter driving wheel, said driving and driven wheels being mounted in alignment with one another for rotation about parallel axes spaced apart, a driving ring of large diameter as compared with said driven wheel and having an internal surface in tangential rolling engagement with said driven wheel, an endless flexible driving member extending round said driving wheel and ring for transmitting a drive from said wheel to said ring and external gear teeth on said driven wheel and co-operating internal gear teeth on said ring for transmitting the drive from said ring to said driven wheel, the length of said flexible driving member being so chosen in relation to the distance between the axes of the driving and driven wheels and the diameters of the driving and driven wheels and driving ring that the pull of the driving run of said flexible driving member holds said driving ring in a position in which the tangential contact between the driven wheel and ring is located away from a line passing through the axes of the driving and driven wheels on the side of said line towards the driving run of the flexible driving member.

2,419,704
DEVICE FOR AUTOMATIC LATHES

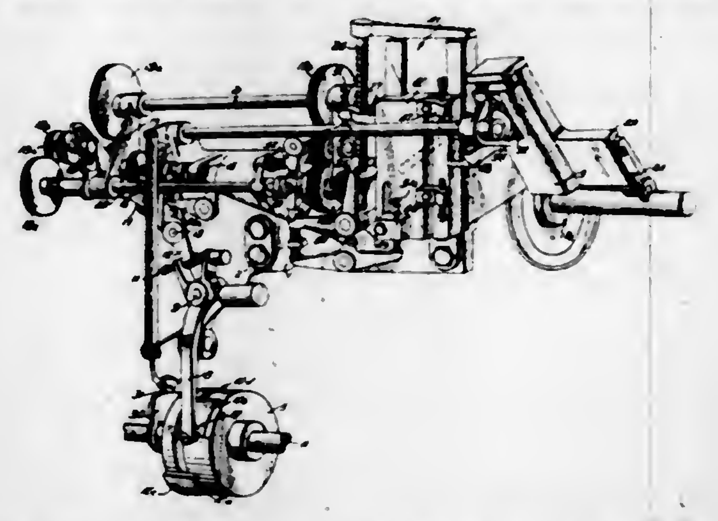
Ernest Bodmer, Geneva, Switzerland

Application August 26, 1943, Serial No. 500,129

In Switzerland June 20, 1942

5 Claims. (Cl. 82—24)

1. In an attachment for an automatic lathe having a work spindle and including a support, an auxiliary tool holder, a longitudinal slide and a radial slide for slidably mounting said tool holder on said support adjacent said work spindle and moving said holder respectively parallel or perpendicular with reference to said spindle, displacing means displaceable between two terminal positions, first connecting means connecting said displacing means to said longitudinal slide, controllably reversable motion transmitting means driven by said work spindle and adapted to selectively continuously transmit to said displacing means motion in either of two opposite directions, and second connecting means actuatable into one of two different actuating positions by arrival of said displacing means into one of its said terminal positions and adapted in its said two positions to respectively lift said radial slide and said tool holder radially away clear from the work piece during return longitudinal movement of said tool holder or to move said radial slide and said tool holder radially toward and into working position with the work piece during the cutting stroke of said tool holder, and means actuatable by arrival of said displacing means in its terminal positions for reversing the direction of motion transmitted by said reversable motion transmitting means to said displacing means.

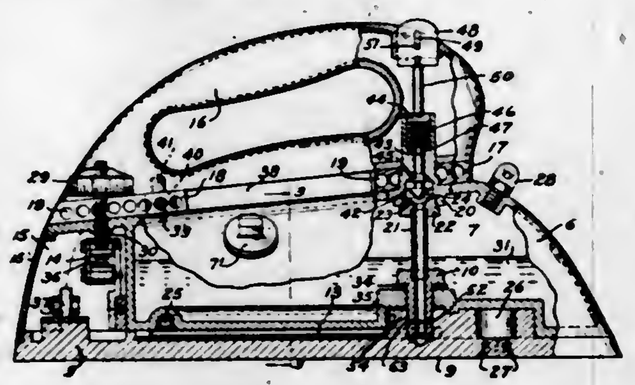


2,419,705
STEAM ELECTRIC IRON

Fred Busch, Wauwatosa, and Alfred Wild, Milwaukee, Wis., assignors to American Thermo Appliance Co., Milwaukee, Wis., a corporation of Wisconsin

Application October 28, 1943, Serial No. 507,980

3 Claims. (Cl. 38—77)

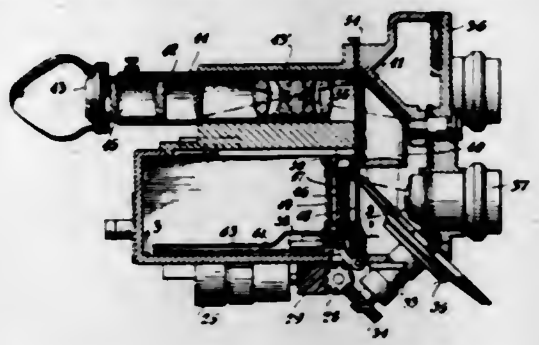


1. A flat iron comprising, a work engaging shoe having a heater associated directly therewith and being provided with steam delivery passages leading to its work engaging face, a hollow liquid confining body resting upon said shoe and being exposed to heat generated by said heater, a manipulating handle coacting with the top of said body, a riser pipe having a hollow clamping element and a hollow fitting secured to its lower and upper ends respectively and cooperating therewith to form a conduit connecting the interior of the body with said passages, said element having an upper head clampingly engageable with said body and a lower screw threaded end coacting with said shoe to secure the body to the shoe, and said fitting having a lower screw threaded portion coacting with said body and an upper cylindrical portion snugly engaging a bore in said handle, means detachably connecting said handle to said upper fitting portion, and other means for detachably connecting said handle to said body remote from said fitting.

2,419,706

CAMERA VIEW FINDER

J. Burgi Contner, New York, N. Y.
Application September 25, 1943, Serial No. 503,738
5 Claims. (Cl. 88—16)

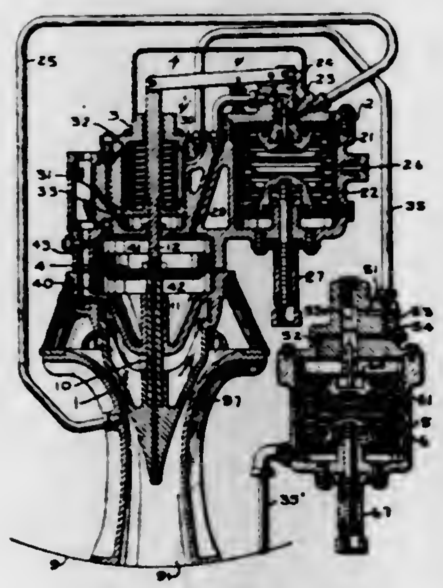


5. A viewing mechanism for motion picture cameras including a rotatably mounted shutter, the shutter having a plurality of wing portions, the wing portions being separated by a plurality of gaps, each gap embracing an area substantially less than that of an adjacent wing portion, and each wing portion including a reflective area extending at an angle to the lens axis of the camera and including an opaque non-reflective area, the non-reflective area extending radially across the pertaining wing portion and intermediate its side edges, a screen member to receive the light image reflected by said reflective areas of said wing portions and means permitting the viewing of the image appearing on said screen member.

2,419,707

RATIO ATTACHMENT FOR PRESSURE CABIN CONTROLS

James B. Cooper and Alfred B. Jepson, Seattle, Wash., assignors to Boeing Aircraft Company, Seattle, Wash., a corporation of Washington
Application May 16, 1942, Serial No. 443,180
11 Claims. (Cl. 98—1.5)

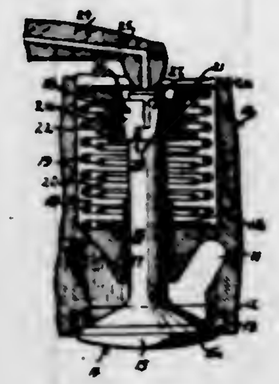


1. Mechanism to control flow of air through an aircraft cabin having air supplied thereto under pressure, comprising a valve movable to control such air flow, an air pressure operated actuator operatively connected to said valve to move the same, passages affording communication between a high pressure region and said actuator and between said actuator and a low pressure region for flow of air through said actuator to operate the same, and a control unit including a regulatable valve connected to control flow of air through said passages and actuator from such high pressure region to such low pressure region, an evacuated bellows accessible to ambient atmospheric pressure tending to collapse the bellows, a spring acting on said bellows and producing a force capable of expanding the same in opposition to the pressure thereon of the ambient atmosphere, the resilience of said spring being of such value as to effect predetermined expansion of said bellows for a given decrease in ambient atmospheric pressure, and means operatively interconnecting said bellows and said regulatable valve and operable by such predetermined expansion of said bellows to effect corresponding movement of said regulatable valve for controlling the flow of air through said passages and actuator, and said actuator being operable by such control of the air flow therethrough to move said first valve to decrease the cabin pressure to a greater degree than such decrease in ambient atmospheric pressure, for maintaining substantially a constant ratio of cabin pressure to ambient atmospheric pressure determined by the resilience of said spring.

2,419,708

LUBRICANT CONTROLLING VALVE SPRING RETAINER LOCK

Robert E. Cummings, University Heights, Ohio, assignor to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application February 14, 1946, Serial No. 647,635
10 Claims. (Cl. 123—188)



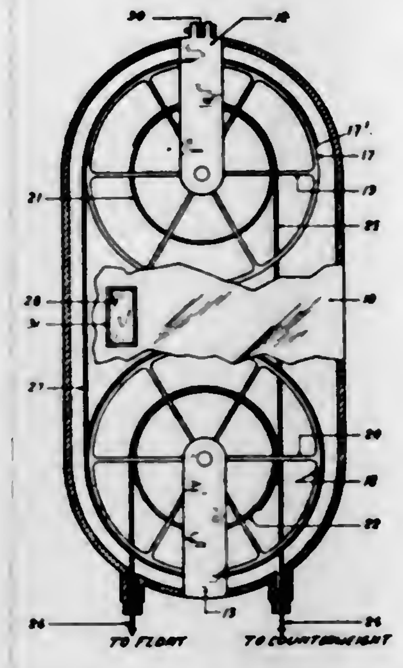
1. In a valve assembly including a poppet valve with a cylindrical stem having a peripheral groove near the tip end thereof, a valve spring retainer having a tapered bore loosely embracing the tip end of the valve stem and diverging toward the tip end of the stem to extend beyond said tip end, and means for feeding lubricant to the tip end of the stem, the improvement of a pair of opposed cylindrical internally beaded lock segments in the bore of the retainer embracing a portion of the valve stem and having the bead portions extending into the stem groove, and said segments having spaced opposed side edges with localized overlapping portions in close proximity adapted to block free flow of lubricant along the valve stem.

2,419,709

LIQUID LEVEL MEASURING DEVICE

Jose Jesús Dávalos, Guadalajara, Mexico
Application July 18, 1944, Serial No. 545,466
In Mexico August 20, 1943
1 Claim. (Cl. 73—321)

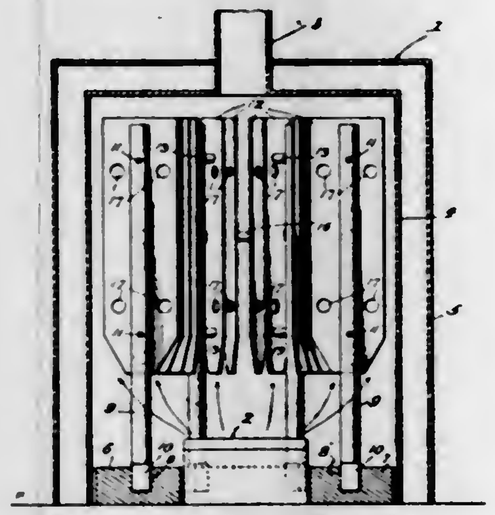
A liquid level measuring device, including a casing, a shaft transverse the casing near each end thereof, an upper wheel on one shaft, a lower wheel on the other shaft, a pulley on each shaft fixed to the adjacent wheel, an indicating ribbon terminally fixed to the periphery of the upper wheel and passed over the top of such wheel and depending in spaced parallel relation to one wall of the casing, said ribbon passing over and around the lower wheel and terminally secured to the lower wheel, a scale on the face of the indicating ribbon, a window in the casing to overlie and permit reading of the ribbon scale, a weight ribbon terminally connected to the upper pulley and depending through a guide opening in the lower end of the casing, a weight connected thereto beyond the casing, a float ribbon terminally connected to the lower pulley and passed over the same, said float ribbon depending through a guide opening in the casing, and a float carried by the end of the float ribbon beyond the casing.



2,419,710

HEAT STORING AND DISSIPATING APPARATUS FOR FURNACES

Abramo Di Filippo, Silver Spring, Md.
Substituted for abandoned application Serial No. 508,185, October 29, 1943. This application April 10, 1945, Serial No. 587,492
5 Claims. (Cl. 110—97)



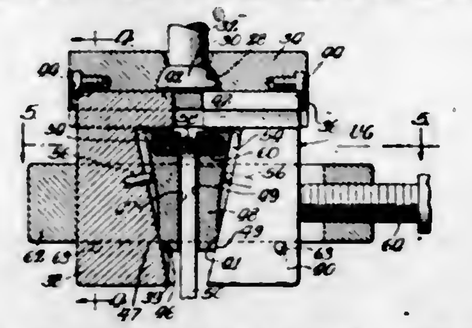
1. A device of the character described comprising a pair of cooperating semi-circular base members adapted to be assembled to form a circular base structure formed with a plurality of circumferentially arranged sockets in its upper surface, a plurality of vertically arranged rods in said sockets, vertically spaced arcuate supporting bolts extending through said rods, and a plurality of heat storing plates supported in spaced relation on said arcuate bolts.

2,419,711

GRIP FOR TENSILE TESTING

Ralph R. Dillon, Chicago, Ill., assignor to W. C. Dillon & Company, Inc., Chicago, Ill., a corporation of Illinois
Application February 14, 1944, Serial No. 522,262
10 Claims. (Cl. 24—136)

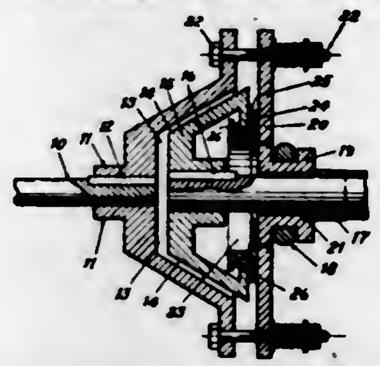
1. A grip structure comprising a base, holders slidably mounted thereon and having jaw engaging faces extending away from said base and converging with relation to each other in the direction of load application, the sliding mount of said holders on said base retaining said holders perpendicular to the base at all positions of adjustment, jaws fitting said faces and slidable relative thereto, and a clamp band surrounding said jaws and holders and floatingly mounted thereon.



2,419,712

CONCAVE CLUTCH

Herbert Edwin Emmott, Manville, Alberta, Canada
Application September 29, 1944, Serial No. 556,411
2 Claims. (Cl. 192—66)



1. A clutch comprising a drive member, a driven member, said drive and driven members having co-acting frustro-conical faces, a disk movable to engage the driven member with the drive member, bolts connecting said drive member with said disk, expansion springs carried by said bolts normally urging said disk towards said driven member, a clutch collar carried by said disk, means engaged with said clutch collar for retracting said disk and means connecting said disk to said driven member for disengaging the driven member from the drive member upon retraction of said disk.

2,419,713

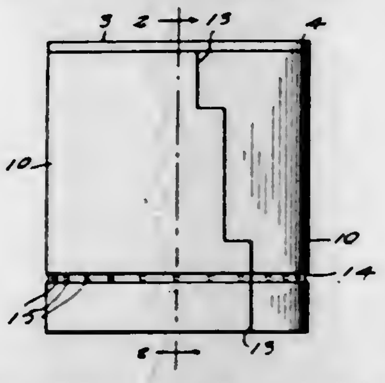
SAW BLADE LUBRICANT

Edmund L. Flood, San Diego, Calif., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif., a corporation of Delaware
No Drawing. Application June 28, 1946, Serial No. 680,079
6 Claims. (Cl. 252—36)

1. A saw blade lubricant composition comprising on a weight basis, from 70 to 80% of a wax having a melting point of at least about 143° F. taken from the group consisting of paraffin wax, carnauba wax, ceresin wax and candelilla wax, from 20 to 30% of a soda base grease, from 4 to 5% of a cutting oil taken from the group consisting of turpentine, rosin oil and pine oil and .5 to .7% of aluminum stearate.

2,419,714
RINGLESS SELF-EXPANDING PISTON

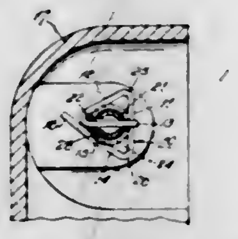
George P. Floyd, Akron, Ohio, assignor to Floyd Research and Development Co., Akron, Ohio, a corporation of Ohio
Application February 19, 1945, Serial No. 578,602
2 Claims. (Cl. 309—12)



1. A piston comprising an inner body having a top flange with an outward bevel on its bottom edge, a plurality of shell sections as a whole surrounding the body and each beveled at the top edge for cooperation with the first recited bevel, springs seated in the body and having a radial and circumferential force component, lugs on the inner surface of the sections and each cooperating with a spring for forcing the sections outwardly and circumferentially, and means on the body and sections for forcing the latter upward and the two bevels into engagement.

2,419,715
CAMERA SPRING DEVICE

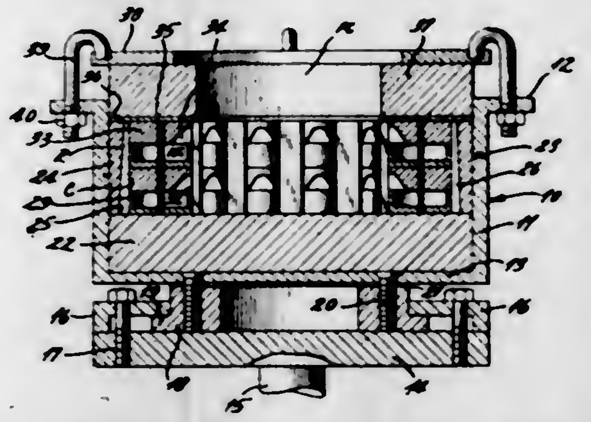
William R. Galter, Chicago, Ill.
Application October 15, 1945, Serial No. 622,246
1 Claim. (Cl. 242—71)



In a casing having a turnable member extending within the casing, the turnable member having a groove and a circular slot adjacent its inner end, a substantially triangularly shaped spring having a laterally extending top portion, a short portion extending downwardly and inwardly from one end of said laterally extending portion, a vertical portion extending from the lower end of said short portion upwardly and slightly beyond the center of said laterally extending portion, a long portion extending downwardly and inwardly from the other end of said laterally extending portion with its outer end extending beyond the lower end of said vertical portion, said downwardly and inwardly extending portions and said laterally extending portion forming corners at their conjunctions, said vertical portion positioned within said groove, the central portions of said laterally extending portion and said downwardly and inwardly extending portions positioned for a three point contact within said circular slot, said corners and said outer end of said long downwardly and inwardly extending portion forming a three point contact with the inside of said casing to prevent undesired withdrawal of said turnable member from said casing, said vertical portion adapted to contact the end of a spool and turn the spool upon rotation of the turnable member.

2,419,716
MOLD ASSEMBLY FOR CENTRIFUGAL CASTING

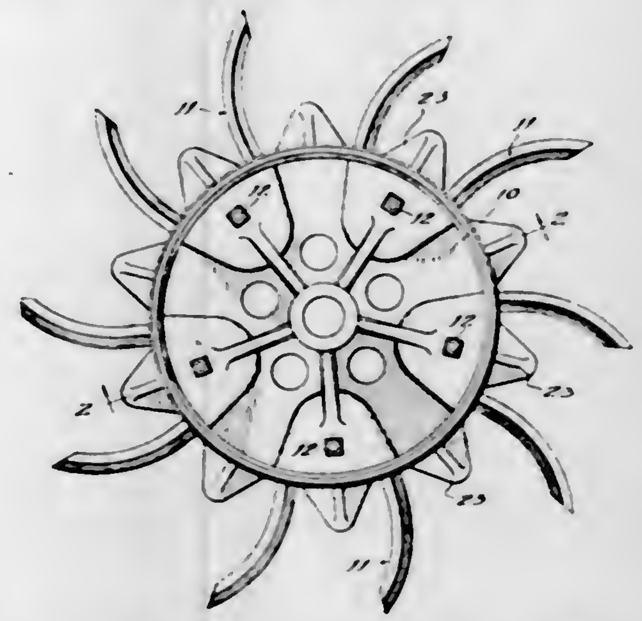
Everett N. Greenwell, Valparaiso, Ind., assignor to The Indiana Steel Products Company, Chicago, Ill., a corporation of Indiana
Application September 13, 1945, Serial No. 615,988
14 Claims. (Cl. 22—113.5)



6. In a mold assembly an annular member having recesses spaced about the inner periphery thereof and openings into said recesses, a plurality of mold inserts stacked one upon another in each of said recesses, said molds forming together mold cavities and gates alined with said openings and leading into said cavities and means for holding said mold inserts in close contact with each other.

2,419,717
ROTARY HOE

George E. Karl, Liberty, Ind., assignor to General Implement Corporation, a corporation of Ohio
Application March 29, 1944, Serial No. 528,504
7 Claims. (Cl. 97—216)



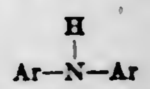
1. In a rotary hoe of the type comprising one or more wheels composed of a pair of cooperating plates and a plurality of circumferentially spaced apart, outwardly projecting double pronged teeth each having a U-shaped anchorage portion clamped firmly between said plates, the improvement comprising three spaced apart abutments, for each tooth, on the inner face of one of said plates to provide a three point seat for the U-shaped anchorage portion of each tooth, two of said abutments for each tooth being positioned to be engaged by the legs of said portion, and the other abutment being positioned to be engaged by the closed end of said portion, said one plate having an inturned marginal flange provided with a pair of circumferentially spaced

apart notches for each tooth, said notches being disposed in proper relation to the leg engaging surfaces of said two abutments for each tooth and constituting seats for said legs of said teeth.

2,419,718
PRODUCTION OF DIARYL NITROSAMINES

Henry J. Kehe, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application June 3, 1944, Serial No. 538,707
4 Claims. (Cl. 260—576)

1. The method of producing an aromatic nitrosamine which comprises preparing a reaction mixture containing a secondary diaryl amine of the formula

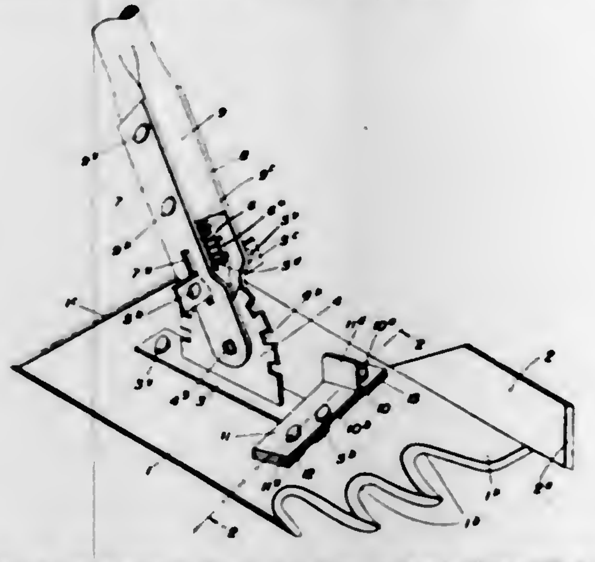


$$\begin{array}{c}\mathrm{H}\\ |\\ \mathrm{Ar{-}N{-}Ar}\end{array}$$

where Ar is an aryl hydrocarbon radical having its valence on a nuclear carbon atom, suspended in an aqueous medium containing dissolved sulfuric acid in a concentration not greater than 50% by weight H_2SO_4 and a dissolved water-soluble salt of nitrous acid, agitating the reaction mixture while maintaining its temperature above that at which the suspended phase is liquid whereupon reaction occurs to form an aromatic nitrosamine suspended in the aqueous medium, and then separating the aromatic nitrosamine from the aqueous medium.

2,419,719
WEEDING TOOL

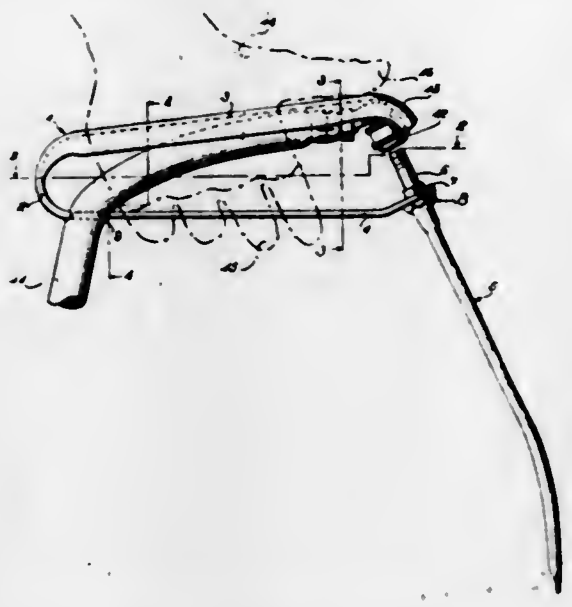
Samuel E. Kennedy, San Diego, Calif., assignor to Bruce W. Hardman, Chula Vista, Calif.
Application May 15, 1944, Serial No. 535,578
4 Claims. (Cl. 97—69)



1. In a weeding tool of the class described, the combination of a main substantially rectangular shaped cutting blade provided with a curved spaced notch cutting edge, said edge being generally bevelled and receding backwardly from one side to the other, and a relatively narrow blade secured to one side thereof at right angles thereto and provided with a cutting edge forwardly of the cutting edge of said main blade, said main blade provided with a straight cutting edge at the opposite edge of said corrugated cutting edge, said blade provided with a handle connecting plate pivotally connected at one end to said main blade, and a latch means pivotally connected with said main blade engageable with said plate for adjustably supporting the free end of said handle connecting plate relatively to said main blade.

2,419,720
BLOWGUN

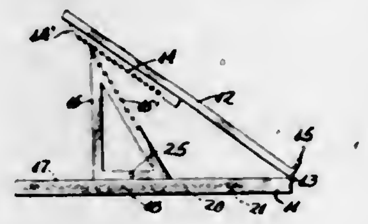
William Broadus Knight, Fountain Inn, and Ansel Reuben Meadors, Jr., Greenville, S. C.
Application October 15, 1946, Serial No. 703,416
6 Claims. (Cl. 284—17)



1. A blow gun comprising a generally U-shaped handle member; means adjacent the closed end of said handle member for flexing a resilient fluid conduit under tension against the inner face of a leg of said handle member; a seat carried by said leg near the open end of said handle member in which a valved coupling secured to one end of said conduit is positioned; and a blow pipe carried by the other leg of said handle member substantially in alignment with the valved coupling in said seat to engage and open said valved coupling and discharge fluid from said conduit through said blow pipe when one of the legs of the handle member is moved toward the other.

2,419,721
BOOKHOLDER

Ernest Kopp, Brooklyn, N. Y.
Application December 29, 1944, Serial No. 570,275
11 Claims. (Cl. 45—80)



11. A book holder comprising a base having two transversely extending racks in its upper face, a book support hinged at its bottom to the front of said base and extending upwardly and rearwardly therefrom, said support having a middle rack and a rack on each side thereof extending transversely along its under face, said support racks each having its top tooth formed larger than its other teeth, two wedges disposed between said base and support and having a top face inclined upwardly and rearwardly and provided with rack teeth for coacting with said large teeth, and means for adjustably disposing said wedge in different transverse and different longitudinal

positions on said base including rack teeth connected to said wedges for coaction with said base racks, and resilient means urging said last mentioned rack teeth together.

2,419,722
ALLOY ANODE FOR ELECTRODEPOSITION OF ZINC

Sherwin P. Lowe, Matthew K. T. Reikie, George H. Kent, and George W. Long, Flin Flon, Manitoba, Canada, assignors to Hudson Bay Mining and Smelting Company Limited, Winnipeg, Manitoba, Canada

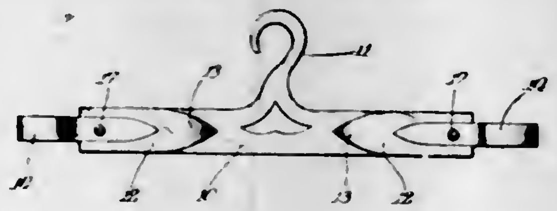
No Drawing. Application September 27, 1941, Serial No. 412,682. In Canada August 7, 1941
5 Claims. (Cl. 204—55)

1. An alloy anode for use in the electrodeposition of zinc from a zinc sulphate solution, said anode consisting essentially of lead alloyed with small amounts of tin and cobalt and up to 1% of silver.

2. A process for the electrodeposition of zinc, which comprises causing deposition of zinc from a zinc sulphate solution with an anode consisting of an alloy composed essentially of lead, with small amounts of tin and cobalt and up to 1% of silver.

2,419,723
GARMENT HANGER

John L. Mack, Sr., Chicago, Ill.
Application March 20, 1946, Serial No. 655,756
3 Claims. (Cl. 223—96)

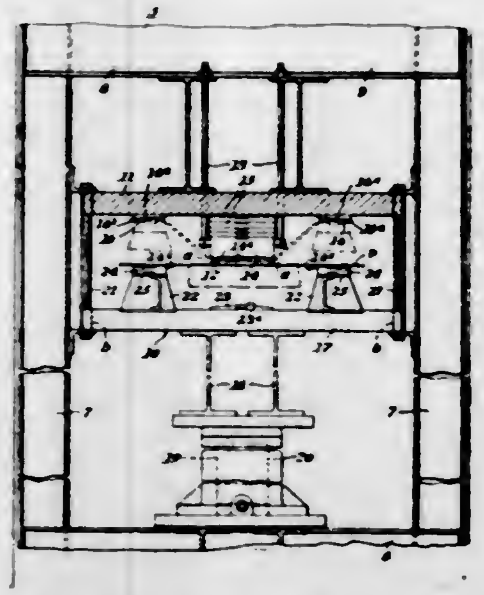


1. A garment hanger comprising a bar, a leaf associated with each end of said bar, and a resilient spring, the body portion of said spring being of suostantially annular formation extending beyond the adjacent ends of said bar and its respective cooperating leaf, the ends of said spring being imbedded within the outer faces of said bar and of the cooperating leaf, each spring being so constructed as to maintain the outer end of each leaf in a spaced relation with said bar and with the inner end of each leaf in contact therewith.

2,419,724
METHOD AND APPARATUS FOR BENDING PLATE AND THE LIKE

Emmor H. Millard, Mount Lebanon, and Frederick R. Wilson, Canonsburg, Pa., assignors to Steel Processing Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application April 3, 1943, Serial No. 481,692
22 Claims. (Cl. 153—21)

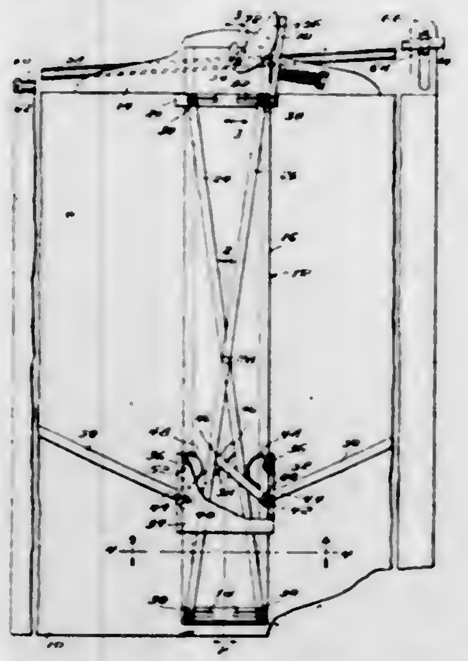
2. In apparatus for forming flat plate into angular configuration, bending means having spaced apart supports on edges of which the plate is adapted to rest in unclamped condition, bending means having edges disaligned with the first mentioned edges and outwardly thereof to engage the upper surface of the plate and having an abutment intermediate said edges disaligned with the said supports provided with spaced edges parallel to said edges to engage the upper surface of the plate, edge means on the first mentioned bending means to engage the lower surface of the plate intermediate the edges of the abutment, mechanism operable to move one of said means relative to the other means to move the metal inwardly from the sides of the plate toward its longitudinal median line and then reversely move the metal through fulcruming and sliding inwardly and outwardly with respect to the longitudinal median line of the plate on said parallel edges of said supports to bend the plate.



19. A method of forming flat plate into generally trough-like form consisting in contacting the plate at spaced parallel lines and moving the plate to bend it at said lines while loosely supported and unclamped from said lines to the marginal edges of said plate, resulting in a central relatively shallow channel with sides diverging to said edges, and while the plate is still unclamped, in bending the terminals of the diverging portions in the reverse direction into a plane approximately parallel to the plane of the central portion.

2,419,725
PERSPECTIVE DRAWING INSTRUMENT

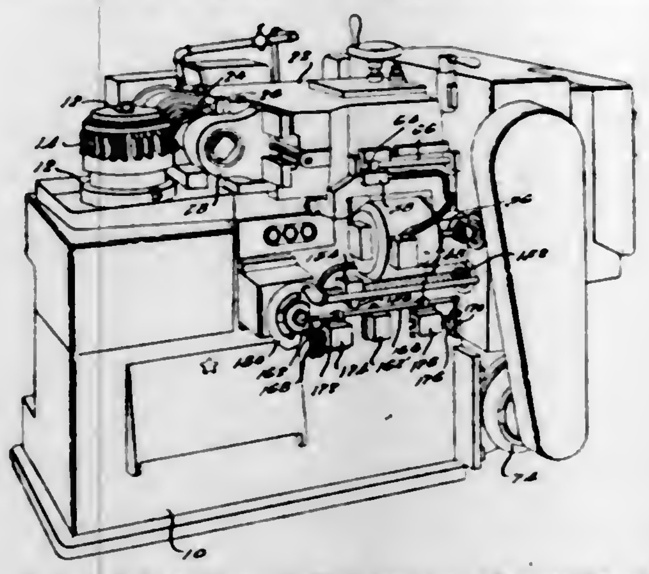
Gordon M. Nosser, Highland, Calif.
Application September 20, 1945, Serial No. 617,494
3 Claims. (Cl. 33—77)



1. In a device of the character described the combination with a drawing board of a T square having pivoted rails adjustably mounted thereon, a slide mounted thereon for longitudinal adjustment with relation to the blade of said T-square, arms connected to said slide at an angle thereto and means connected to said slide and coacting with said rails to change the angular adjustment of said arms, whereby lines drawn along said arms can be extended to a vanishing point on said board or at an indefinite point therefrom.

2,419,726
AUTOMATIC WORM GEAR HOBBING MACHINE

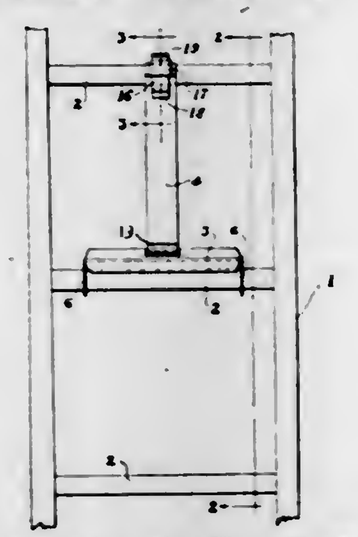
Harry Pelphrey, Detroit, Mich., assignor to Michigan Tool Company, Detroit, Mich., a corporation of Delaware
Application March 21, 1942, Serial No. 435,649
22 Claims. (Cl. 90—4)



1. A machine for cutting worm elements comprising a work spindle for driving a worm element, a tool spindle disposed in spaced relation to said element and adapted to mount a tool having cutting edges narrower than full mating width, means for rotating said work spindle, means for rotating said tool spindle, power means for moving said spindles radially with respect to each other to effect an infeed of said tool, power means operable after the completion of the infeed for modifying the rotative speed of one of said spindles to effect side feed of said tool, and electrically controlled means for controlling the operation of both of said power means in succession.

2,419,727
LADDER PLATFORM

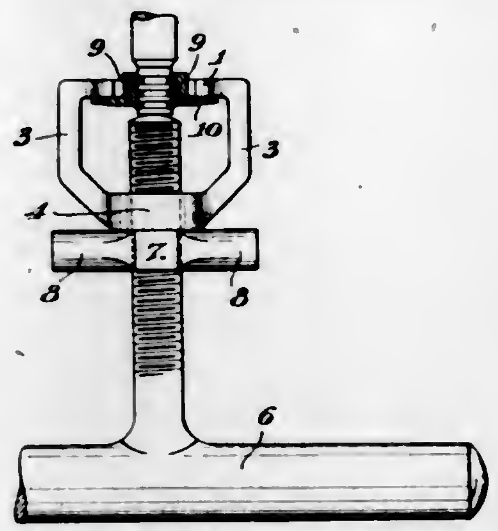
Edward J. Picone, Arlington, Mass.
Application September 10, 1945, Serial No. 615,400
3 Claims. (Cl. 304—10)



1. Rung-engaging means for a ladder platform comprising an upwardly-extending suspender element by which one end of the platform is supported, the upper end portion of said suspender element being bent backwardly then upwardly, forwardly and downwardly to form an arcuate rung-engaging hook portion having a downwardly-opening throat, and a guard member having a body portion which is also arcuate-shaped and which conforms in shape to that of the hook portion, said guard member being slidable by gravity over the free end portion of the hook from an open-hook position towards the suspender element to close the throat.

2,419,728
TOOL FOR GRINDING IN INTERNAL-COMBUSTION ENGINE VALVES

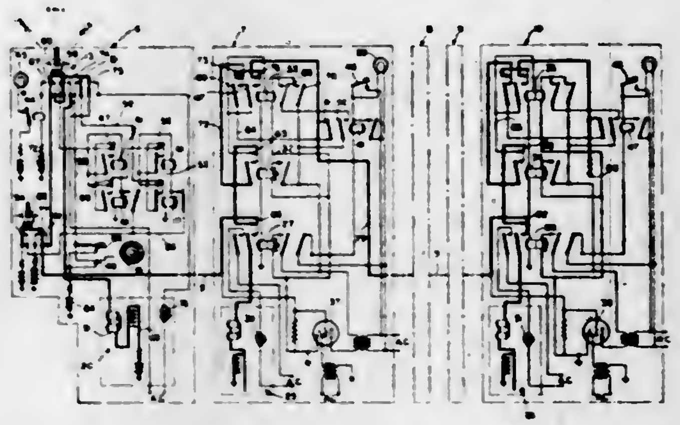
Arthur William Porter, Plymstock, England
Application August 23, 1945, Serial No. 612,158
In Great Britain September 1, 1944
3 Claims. (Cl. 51—29)



1. A valve grinding tool comprising a hollow body consisting of an upper plate, a U-shaped slot in said plate, beneath which plate the valve spring holder can bear, arms extending from said plate, an internally screw threaded boss carried by the ends of said arms in a plane parallel with the plate, and beneath the slot therein a threaded bolt engaging in said boss, to bear on the end of the valve stem, hand turning means carried by said bolt and locking means for retaining the bolt in its tightened position.

2,419,729
PRINTING TELEGRAPH SYSTEM HAVING SERIALLY CONNECTED STEP-BY-STEP SELECTIVE STATIONS

Louis M. Potts, Evanston, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application January 29, 1944, Serial No. 520,158
27 Claims. (Cl. 178—2)



1. In a telegraph system, a central station, a line conductor extending from said station to a plurality of remote stations and serially connecting said central and remote stations, printing tel-

egraph apparatus at each of said stations, means at said central station for generating station selecting impulses, means at each of said remote stations responsive to said station selecting impulses for connecting the printing telegraph apparatus at such selected station to said line conductor, electronic means individual to each of said remote stations for supplying holding current to said station selecting means for maintaining the connection with said line conductor, and means at said central station for establishing a condition on said line whereby said electronic means is rendered ineffective as a holding current supply means and the printing telegraph apparatus individual thereto is disconnected from said line conductor.

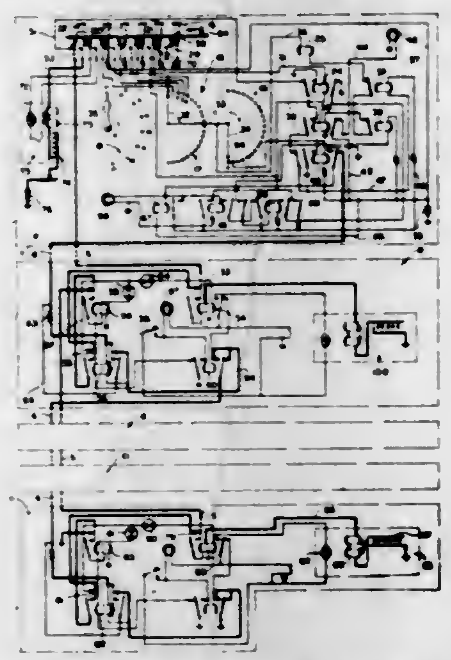
2,419,730

PRINTING TELEGRAPH SYSTEM HAVING SERIALLY CONNECTED, STEP-BY-STEP AUTOMATICALLY SELECTIVE STATIONS

Louis M. Potts, Evanston, and Reginald G. Schuler, Highland Park, Ill., assignors to Teletype Corporation, Chicago, Ill., a corporation of Delaware

Application February 28, 1944, Serial No. 524,150

25 Claims. (Cl. 178—2)



1. In a telegraph system, a central station, a plurality of substations, a line conductor extending from said central station to said plurality of substations and serially connecting said central station with said substations, printing telegraph apparatus at each of said stations, a single series of counting relays with a single unit of said relays at each substation, means at the central station for generating a series of step-by-step impulses to operate the units of said relays successively comprising a plurality of segments, a contactor engaging said segments, means for advancing said contactor step-by-step to generate step-by-step impulses, and means identified with a called substation for controlling the degree of operation of said contactor whereby relays at said substations will be operated to prepare for telegraphic communication over said line conductor by said telegraphic apparatus.

2,419,731

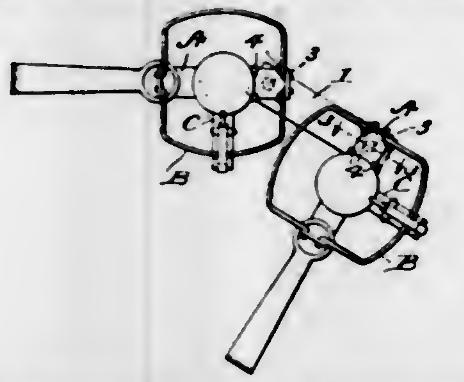
ATTACHMENT FOR TRAPS

Anson E. Rector, Savannah, N. Y.

Application May 2, 1944, Serial No. 533,735

3 Claims. (Cl. 43—96)

1. An attachment for connecting a pair of spring jaw animal traps together for cooperative association, comprising a flat elongated body member, clamping means for securing a trap at each end of the body member for holding the same in spaced relation to each other, said clamping means provided with pivots for pivotally securing the clamping means to said body member to allow relative adjustment of the traps, and the pivots of said means acting to hold the clamping means in binding engagement with said body member to prevent casual adjustment of the traps.



2,419,732

METHOD FOR THE MANUFACTURE OF FILLING FOR BEDDING

Isaac Rubinstein, Brooklyn, N. Y.

No Drawing. Application December 20, 1943, Serial No. 515,075

2 Claims. (Cl. 19—66)

1. In a method of shaping a resilient non-collapsible filler for bedding and upholstering, the steps of inter-mingling and interlocking chicken feathers with wool nap, carding said mixture to form a fluffy and resilient layer of inter-twined and interlocked chicken feathers and wool nap, and saturating said mixture with an aqueous liquid to swell the wool nap so as to better interlock the same with the chicken feathers.

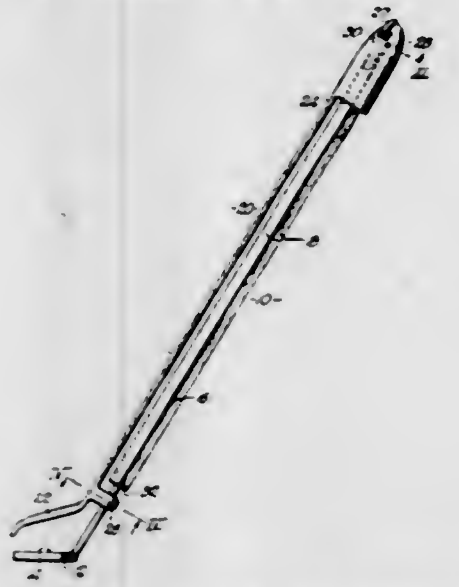
2,419,733

DENTAL MIRROR AND GUARD ASSEMBLY

Eben L. Scott, Mission, Kans.

Application December 29, 1945, Serial No. 638,161

5 Claims. (Cl. 32—69)



1. An instrument of the character described comprising a mirror having a head with a reflecting surface thereon and an attenuated shaft supporting the head; a finger swingably carried by the shank for movement across the reflecting surface of the head in spaced relation thereto; and structure for holding the finger in one of a number of positions with respect to the said head.

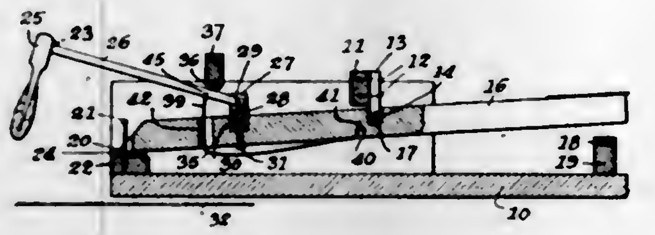
2,419,734

MUSICAL INSTRUMENT

Sidney C. Shill, Los Angeles, Calif.

Application September 19, 1944, Serial No. 554,793

9 Claims. (Cl. 84—238)



1. In a musical instrument, a horizontal action of the downstrike hammer and non-let-off type comprising: a key rockably mounted approximately medially between its ends for playing movement; a hammer; means pivotally mounting the hammer on the key between the key fulcrum and the rear end of the key to normally raise the front end of the key by the action of gravity overbalancing the rear end portion of the key; a generally L-shaped spring providing a relatively long leg and a relatively short arm; means anchoring the free end of said long leg to the key adjacent the key fulcrum; means operatively connecting the free end of said short arm to the hammer for the spring to urge the hammer upwardly; and a stop engaged by the hammer to limit its upward movement and to move the hammer downwardly to strike a string when the key is depressed as in playing thereupon.

2,419,735

CONDENSATION PRODUCTS OF DIOLEFINS WITH DIARYLAMINES AND ANTIOXIDANT COMPOSITIONS CONTAINING SAID PRODUCTS

Arthur W. Sloan, Stow, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application September 25, 1941, Serial No. 412,303

5 Claims. (Cl. 252—401)

1. A composition of matter comprising a mixture of alkylated diarylamine with a composite condensation product, said condensation product being prepared by heating a conjugated diolefin containing less than eight carbon atoms with a diarylamine at a temperature of about 50° to about 300° C. in the presence of an acidic condensation catalyst.

2,419,736

SECONDARY AMINES OBTAINED BY CONDENSING DIARYL AMINES WITH ACETYLENE HYDROCARBONS

Arthur W. Sloan, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application March 16, 1944, Serial No. 526,810

6 Claims. (Cl. 260—2)

1. The secondary amine product obtained by condensing a diarylamine containing only carbon, hydrogen and nitrogen, and having all its nitrogen present in the secondary amine group, with a hydrocarbon containing an acetylenic linkage, in the presence of an acidic condensation catalyst and at a temperature in the range of 50 to 300° C.

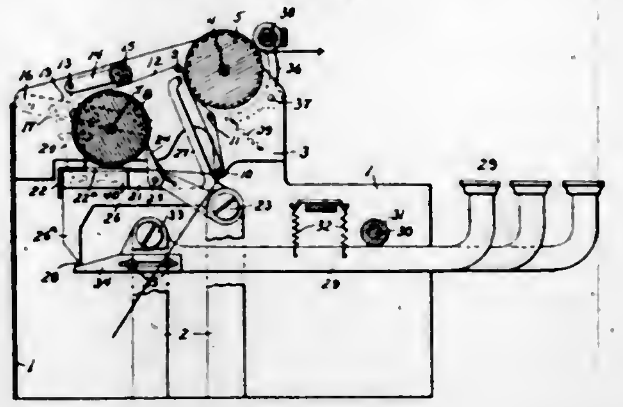
2,419,737

STENOGRAPHIC TYPEWRITING MACHINE

Howard B. Smith, Washington, D. C.

Application July 20, 1944, Serial No. 545,750

8 Claims. (Cl. 197—9)



1. In a typewriting machine wherein type bars, key levers, a platen, ribbon feeding and platen operating means are employed, the improvement which comprises: at least one key lever and one type bar, said type bar including an upwardly-rearwardly extended type carrying bar proper and a rearwardly extending arm; means for pivoting said type bar; means for pivoting said key lever on an axis located to the rear of the pivot axis of the type bar; said key lever having a rearwardly extending end and said rearwardly extending arm having means for engagement by said rearwardly extending end.

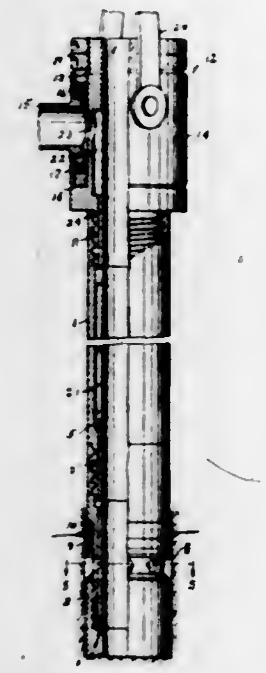
2,419,738

DRILL ROD

Louie F. Smith, South Houston, Tex.

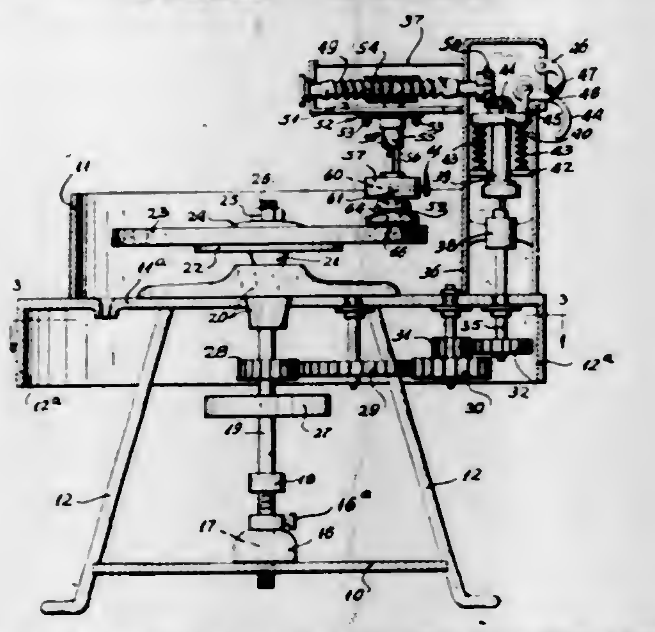
Application June 23, 1944, Serial No. 541,746

3 Claims. (Cl. 255—72)



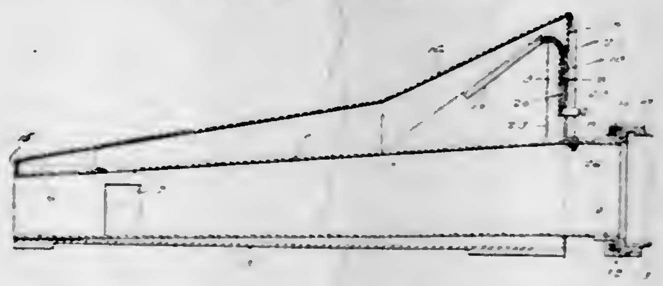
1. A drill rod comprising an outer, tubular, shell, an annular drill on the lower end of the shell, said shell having an outlet port above the drill, a tubular core barrel in the shell extending approximately from the drill upwardly through the shell, said drill rod having a channel for drilling fluid leading downwardly between the core barrel and shell to said port and an external, annular seal around the drill rod above said port and arranged to form a seal with the walls of the well bore.

2,419,739
CRYSTAL GRINDING DEVICE
Anthony Spina, Brooklyn, N. Y.
Application January 4, 1946, Serial No. 638,987
6 Claims. (Cl. 51—131)



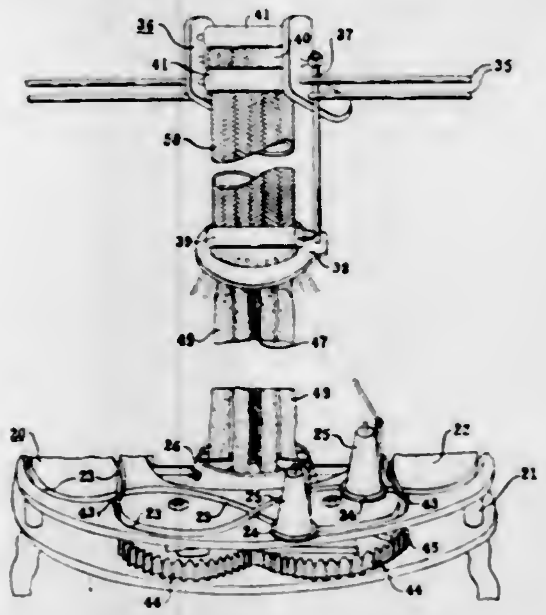
4. An automatic crystal grinding machine comprising a base, a pan mounted on said base, a thrust bearing mounted on said base and supporting a vertical main shaft extending through said base and pan, a pulley on said shaft whereby said shaft may be rotated, a grinding stone on said shaft in said pan, means for feeding a grinding compound to said stone, a housing extending vertically at one side of said stone, a casing extending horizontally from the upper portion of said housing over said stone, a driving shaft in said housing, a gear train driving said driving shaft from said main shaft, a worm in said casing, gears connecting said worm and driving shaft whereby said worm is rotated by said driving shaft, a carriage slidably mounted in said casing, a vertical depending shaft mounted in said carriage and a worm wheel on said depending shaft connecting it to said worm, a chuck secured to the end of said depending driving shaft, and a crystal holder secured in said chuck including a body and a cap flexibly connected to said body and having a concave bottom face for holding a crystal on said stone, whereby rotation of said main shaft rotates said stone and said driving shaft and said driving shaft rotates said worm and said chuck, thereby rotating said crystal and means for adjusting said thrust bearing vertically relative to said base for aligning said main shaft gear with the adjacent gear of said train.

2,419,740
SUCTION NOZZLE
Harry Stock, Minneapolis, Minn.
Application January 13, 1944, Serial No. 518,153
1 Claim. (Cl. 302—58)



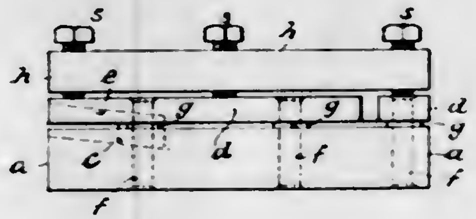
A suction nozzle comprising a suction tube having an intake end and a discharge end, a shell encasing said tube and having a portion extending along one side of the tube from said intake to said discharge end and flaring toward said discharge end, said portion having an open rear end to provide an air inlet into said portion, air inlet ports in said tube adjacent to the intake end thereof establishing communication with said tube and said shell, a flexible slat shutter for closing said inlet, channel tracks at opposite edges of said shutter and opposite sides of said inlet within said portion and in which said shutter is slidably mounted for adjustment to open and close the inlet, said tracks being longitudinally V-shaped to cause said shutter when opened to assume a position at an acute angle to the plane of said inlet for accommodation in said portion, and means to secure the shutter in different adjusted positions.

2,419,741
SPECIAL HEAD WITH GUIDE OPENINGS FOR BRAIDING MACHINES
George A. Stone, Columbus, Ohio
Application March 5, 1943, Serial No. 478,126
6 Claims. (Cl. 87—29)



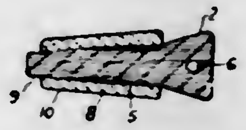
1. In a braiding machine, the combination of means for forming tubular insulation comprising a guide head having a central passage, a frusto-conical wall surrounding said central passage, and spaced walls disposed between said central passage and said frusto-conical wall, said walls forming a plurality of guide passages grouped in a ring around said central passage.

2,419,742
TOOL POST FOR CAPSTAN AND LIKE LATHES
Edward Stanley Taylor and Raymond Carlton Taylor, Honley, England
Application January 25, 1945, Serial No. 574,527
In Great Britain January 4, 1944
2 Claims. (Cl. 29—48)



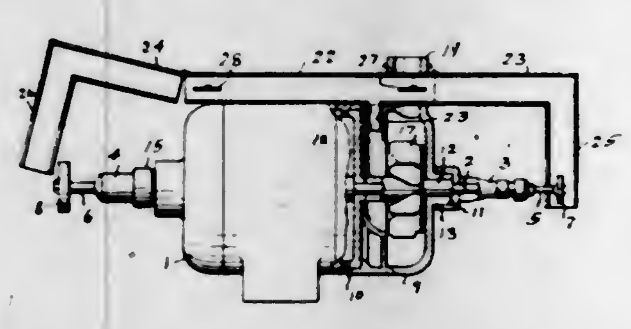
1. A tool post for a capstan or like lathe comprising a base plate having in its upper surface a series of recesses, a tool-gripping bar disposed over each recess in the base plate and having in its underside a recess to co-operate with that in the base plate to accommodate and grip a tool between them, means connecting the gripping bars with the base in such manner as to permit of relative movements of approach of the bars towards and away from the base, springs acting to move the bars away from the base within permitted limits, a clamping plate extending over the gripping bars, means securing the said clamping plate to the base, screws working through threaded openings in the clamping plate and adapted to exert pressure on the gripping bars against the action of the springs, said base plate and clamping plate providing central interfitting circular boss and socket bearing means whereby they may be relatively adjusted, and means to secure the tool post in the desired position of circumferential adjustment, said recesses being disposed outwardly of said bearing boss and socket.

2,419,743
CLOSURE FOR BOTTLES AND THE LIKE
William Ivan Taylor, Spondon, near Derby, England, assignor to British Celanese Limited, London, England, a company of Great Britain
Application May 15, 1943, Serial No. 487,089
In Great Britain June 6, 1942
4 Claims. (Cl. 215—48)



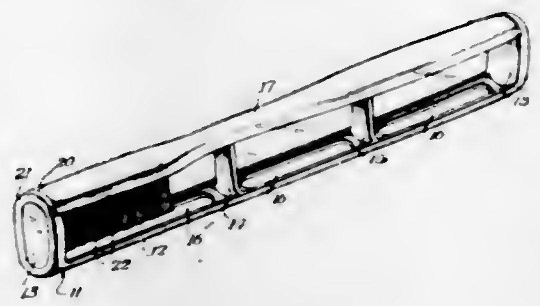
1. A stopper for the neck of a vessel, said stopper comprising an elongated core, a resilient layer in the form of a continuous cellulosic yarn cross-wound upon said core, and a flexible skin made from said yarn covering said layer.

2,419,744
SUCTION ATTACHMENT FOR DENTAL LATHES
Earl E. Thwaites, Houston, Tex.
Application August 29, 1945, Serial No. 613,335
3 Claims. (Cl. 51—273)



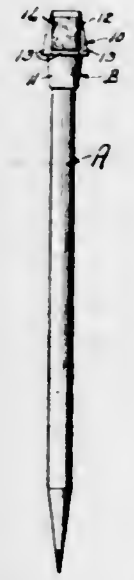
1. In a dental lathe having a motor, a motor shaft and chucks on the shaft to receive the grinder spindles; said attachment comprising, a housing having bearings one arranged to receive an adjacent part of the motor and the other to receive the shaft, fan blades on the shaft within said housing, flange nuts on the housing whose outer ends are arranged adjacent the inner ends of the chucks, said nuts forming screw jacks effective to detach the chucks from the shaft, an inlet conduit entering the side of the housing toward the motor, said conduit being formed of hinged sections and terminating in nozzles adjustable into co-acting relation with the grinders, a discharge conduit leading from the housing and terminating in a receptacle for the grindings.

2,419,745
DISPLAY PACKAGE
Louis Trecek, Madison, Wis., assignor to The Celon Company, Madison, Wis., a corporation of Wisconsin
Application March 1, 1943, Serial No. 477,545
11 Claims. (Cl. 206—44)



1. A package unit employing the shrinkable characteristics of a hydrated material which shrinks when the material is dehydrated to lock tightly an article to a support and still prevent the said shrinkable characteristics of the material from damaging or distorting a fragile part or parts of the article and comprising an article support, an article having a fragile part supported by the support, and a tube of hydrated material enveloping the support and article and in physical contact with a nonfragile part of the article and with the support to lock securely and tightly the article to the support when the material is dehydrated, said fragile part being spaced from the support to prevent damage thhereto upon shrinking of the material.

2,419,746
ERASER
Rosario Veria, Los Angeles, Calif.
Application April 17, 1944, Serial No. 531,459
3 Claims. (Cl. 120—40)

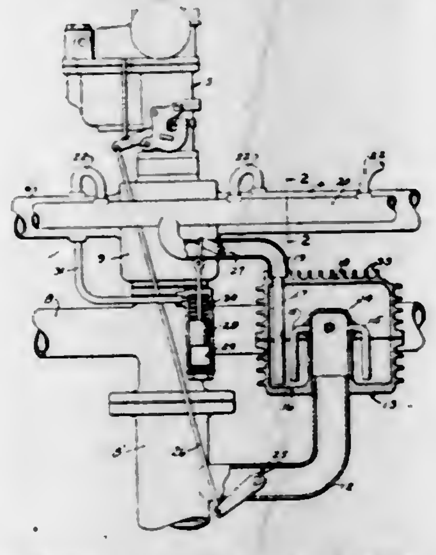


1. An eraser of the kind described comprising a body of erasing material, approximately one-half of which forms an inverted truncated substantially conical shaped nipple, which the other half forms a hollow outwardly tapered flat faced erasing tip, a central bore of circular formation, formed in said nipple and extending into said tip and through one flat face thereof and sponge rubber anchored in said bore and adapted to protrude from said bore slightly beyond the face of said tip.

2,419,747

CONDITIONER FOR RECIRCULATED EXHAUST GASES

August H. Wassman, St. Louis County, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application August 24, 1944, Serial No. 551,054
7 Claims. (Cl. 123—119)

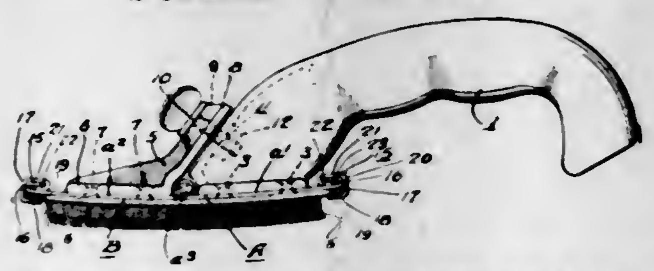


1. An exhaust conditioning device comprising a chamber having inlet and outlet connections for exhaust gases, said outlet connection comprising a tube opening in said chamber at a point spaced slightly above the chamber floor.

2,419,748

HAND CARDING TOOL

John W. Weber and Charles R. Davies, Philadelphia, Pa., assignors to Proctor & Schwartz, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application June 8, 1944, Serial No. 539,257
2 Claims. (Cl. 15—186)



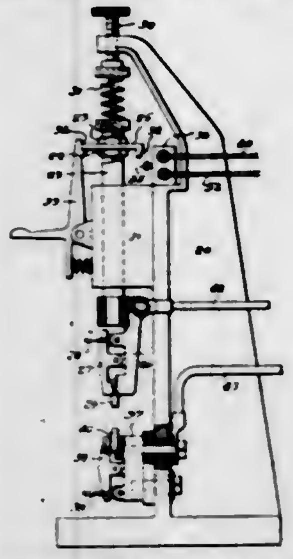
1. A hand tool comprising a base plate of concavo-convex cross-sectional form composed of two component sections hinged together intermediate opposite edges of said plate to afford lateral expansion and contraction thereof, a sheet of card clothing adapted to bear against the convex face of said plate under tension, means comprising inturned flanges on said plate edges and clips having inturned flanges secured to predetermined edges of said sheet and interlocking with the inturned flanges on said plate for securing said edges of said plate to said edges of said card clothing, and means for maintaining said plate in a laterally extended condition to maintain said card clothing under said tension.

2,419,749

ELECTROPERCUSSIVE WELDING APPARATUS

Robert A. Weinhardt, Detroit, Mich., and Howard J. Bowman, East Troy, Wis.
Continuation of application Serial No. 292,120, August 26, 1939. This application August 30, 1944, Serial No. 551,812
9 Claims. (Cl. 219—4)

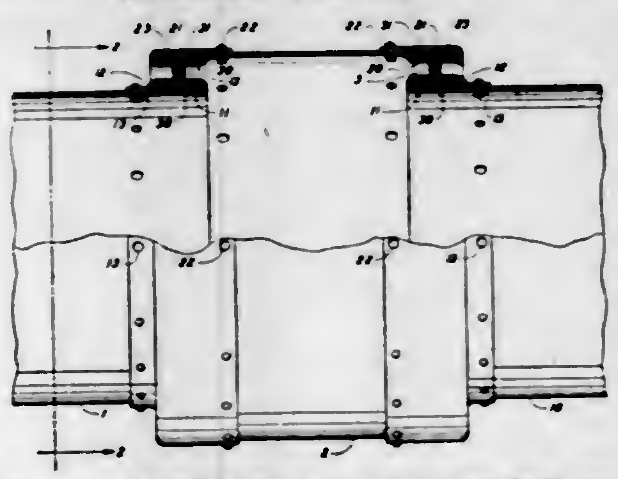
9. In combination with a device for moving the work faces of work means into engagement with each other, means providing a source of welding current, means for controlling said source providing means, and means operable in accordance with the arrival of the work faces at a predetermined position prior to their engagement for inducing said controlling means to cause initiation of current flow from said source providing means across the work faces and correlate the time of their engagement with the time at which the current intensity is substantially maximum.



2,419,750

FLEXIBLE DUCT COUPLING

Walter R. Wiberg, Seattle, Wash., assignor to Boeing Aircraft Company, Seattle, Wash., a corporation of Washington
Application November 22, 1944, Serial No. 564,615
6 Claims. (Cl. 285—90)



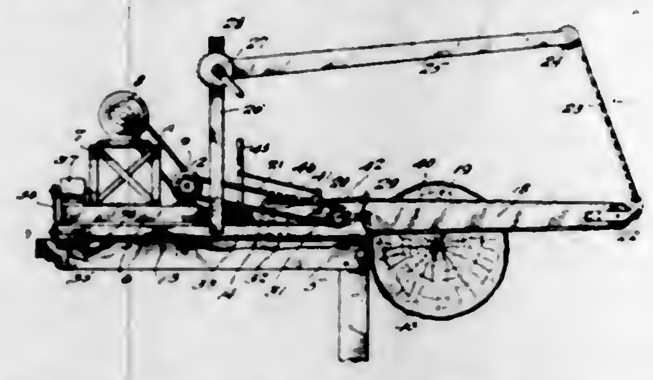
1. In a conduit joint, an outer conduit section, an inner conduit section disposed substantially concentrically within said outer section, a connecting ring including an annular web of resilient material, an inner edge portion integral with the inner periphery of said web and projecting therefrom axially of said inner conduit section and being disposed adjacent thereto, and an outer edge portion integral with the external periphery of said web and projecting therefrom substantially axially of said outer conduit section and being disposed adjacent thereto, and each conduit section having a sheet metal portion folded back upon itself to form a trough closely embracing the corresponding adjacent edge portion of said connecting ring.

2,419,751

LOG SAWING MACHINE

Burton E. Wilson and Herbert W. Savercool, Greenville, Calif.
Application November 9, 1945, Serial No. 627,617
5 Claims. (Cl. 143—32)

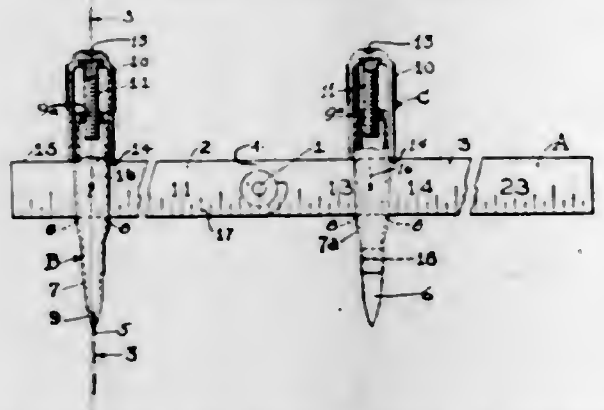
1. A saw machine comprising in combination a supporting structure positioned at the edge of a body of water on which a log to be sawed is floated, a power driven saw mounted on the structure and operated in a manner to draw the log against the structure, and means mounted on the structure at the inner end of the saw to collect and remove sawdust produced during the sawing action.



2,419,752

BEAM COMPASS

Gottfried F. Zumbuhl, San Francisco, Calif.
Application July 31, 1944, Serial No. 547,460
1 Claim. (Cl. 33—158)

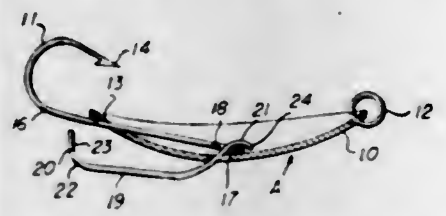


In a device of the type described, a transparent hollow cylindrical body having longitudinally extending slots in the cylindrical wall for receiving a bar with a scale thereon, said body having a point at one end and a threaded bore at the other, a cap slidable on the body and having a screw adapted to enter the threaded bore, whereby a turning of the cap will cause the screw to move the cap rim into clamping engagement with the bar.

2,419,753

FISHHOOK RETAINING CLIP

George Alton Adair, Elmira, N. Y.
Application January 4, 1946, Serial No. 639,057
2 Claims. (Cl. 43—28)

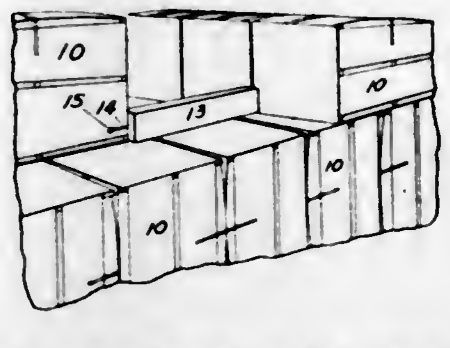


1. The combination of a pair of separable parts, one having a stem provided with an eye terminal and the other having a pair of spaced holes; one hole receiving the stem, and a clip having opposite hook ends; one hook end being detachably engaged with the stem next to the hole receiving the same and the other hook end detachably engaged with the eye terminal when such other hook end is passed through the other hole of the pair.

2,419,754

BRACE FOR BOXED PRODUCE LOADS

Joseph N. Adams, Orange, Calif., assignor to California Fruit Growers Exchange, Los Angeles, Calif., a corporation of California
Application July 11, 1944, Serial No. 544,380
4 Claims. (Cl. 105—369)



1. A box brace adapted to be placed between the ends of two opposed pairs of boxes in a load in such a manner as to rigidly space apart said two opposed pairs of boxes comprising a rigid one piece spacing member of sufficient length to bear upon the ends of the two opposed pairs of boxes in the load, a one piece projection positioned in and extending from each end of said member, said projection being adapted to be inserted between the adjacent boxes of said pairs of boxes in such a manner that a portion of the end of the rigid spacing member will bear upon the end of each of the adjacent boxes of the pair, said projection having a laterally extending portion adapted to pierce and become imbedded in the adjacent sides of said adjacent boxes.

2,419,755

CHEMICAL TREATMENT OF OIL SANDS

Frederick W. Albaugh, Inglewood, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application May 26, 1943, Serial No. 488,524
12 Claims. (Cl. 252—8.55)

1. A method of treating water-wet oil sands for increasing their effective permeability to oil which comprises contacting said sands with hydrocarbon oil solution of an organic heterocyclic polycyclic amine of the class consisting of quinoline and its homologs, which does not substantially affect the water-oil interfacial tension.

2,419,756

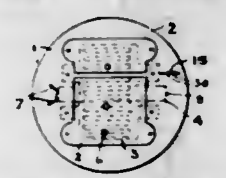
PROCESS OF SIZING PACKAGES OF YARN

Luther Bishop Arnold, Jr., Richmond, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 6, 1943, Serial No. 509,324
9 Claims. (Cl. 117—101)

2. A process for sizing a dried spun cake of rayon which comprises impregnating said cake with an aqueous emulsion of a non-mucilaginous unctuous material having a softening point of the order of 30° C. to 70° C. and selected from the class which consists of soapy and waxy materials, said emulsion being at a temperature at least equal to the softening point of said non-mucilaginous unctuous material, and centrifugally wringing the impregnated cake to remove the excess emulsion, the impregnated cake being maintained during the removal of the excess emulsion at a temperature substantially the same as that of the emulsion during the impregnation step.

2,419,757
MOUNTED FLAT ELEMENT RADIO TUBE

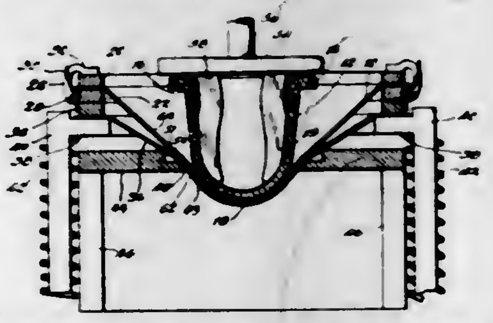
Abraham Binneweg, Jr., Oakland, Calif.
Application May 31, 1944, Serial No. 538,109
6 Claims. (Cl. 250—27.5)



1. An electron discharge tube having an envelope having an encircling horizontal groove in the inner wall thereof, a perforated dielectric plate held by said groove, a flattened cathode attached to said plate parallel thereto and spaced therefrom, a grid also attached to said plate and covering the perforations therein, and a flat anode on the opposite side of said plate from said cathode, parallel to said plate and attached thereto.

2,419,758
METHOD AND APPARATUS FOR COATING FRANGIBLE ARTICLES

Gustave W. Borkland, Chicago, Ill.
Application August 12, 1943, Serial No. 498,381
8 Claims. (Cl. 18—19)

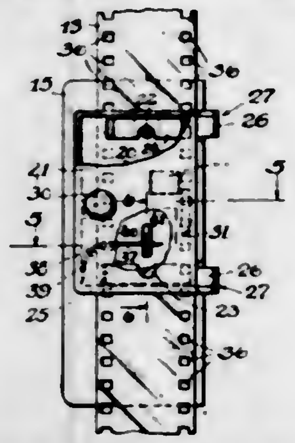


8. Apparatus for coating a frangible body having a progressively decreasing cross section from a base portion to an end portion, which comprises concentric frames defining an opening, means to force said frames together to secure a sheet of deformable material therebetween across the opening in said frames, a further frame concentric with said first mentioned frames defining an opening concentric with the openings in said first mentioned frames, a sheet of elastic material across the opening in said last mentioned frame, means supporting said frames for movement up and down in a substantially vertical path, spring means resisting downward movement of said frames, shaping edges substantially complementary in shape to the exterior of the base portion of the frangible body to be treated disposed below and concentric with said frames, and vertically reciprocable plunger means adapted to support a body to be treated coaxially with the frames, and to force said body down through the openings in said frames to shape a deformable sheet therearound and to form it between said convex body and said shaping edges.

2,419,759
MECHANISM FOR INTERMITTENTLY ADVANCING FILM

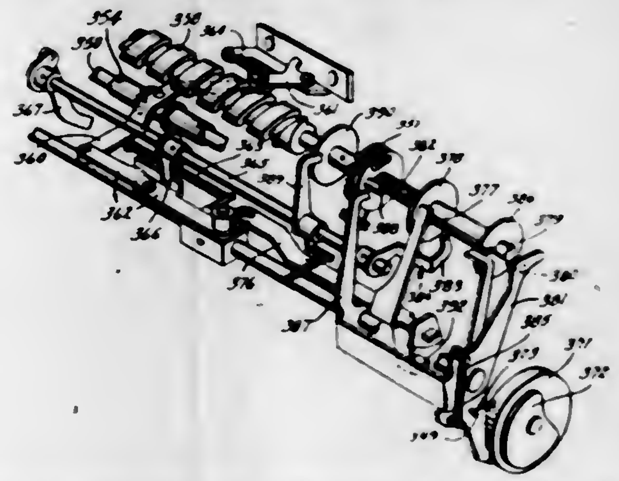
Theodore S. Briskin and Joseph J. Golick, Chicago, Ill., assignors to Revere Camera Company, Chicago, Ill., a corporation of Delaware
Application August 13, 1945, Serial No. 610,444
8 Claims. (Cl. 88—18.4)

1. In a motion picture camera, an aperture plate, a film gate spaced therefrom, said film gate including a pressure plate and a cover, means to urge said pressure plate toward said aperture plate, and a check device extending through said pressure plate and adapted to bear on the surface of a film which is advanced between said pressure plate and said aperture plate, said check device reacting against said cover to produce a wedging action which prevents motion of the film in one direction, but which permits motion of the film in the other direction.



2,419,760
OPERATION CONTROL MEANS FOR CALCULATING MACHINES

Edwin F. Britten, Jr., Short Hills, N. J., assignor to Monroe Calculating Machine Company, Orange, N. J., a corporation of Delaware
Application July 13, 1945, Serial No. 604,852
4 Claims. (Cl. 235—63)

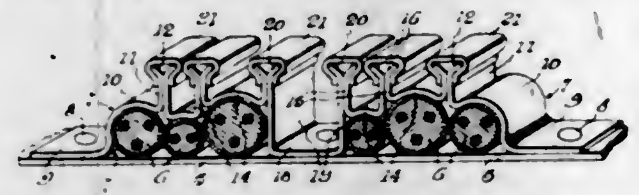


1. In a calculating machine having a transversely shiftable carriage and numeral wheels mounted thereon, reversible rotary differential actuators for said numeral wheels and reversible rotary carriage shifting devices; cyclically operable drive means common to said actuators and shifting devices including clutch and reversing elements adjustable to effect forward or alternatively reverse rotation thereof, means adjustable to engage the drive means alternatively with the actuators or with the shifting devices, and adjusting and clutch control means including power elements operable at the conclusion of a shifting operation to disengage the clutch elements and to readjust the engaging means.

2,419,761
CLAMP FOR CABLES AND THE LIKE

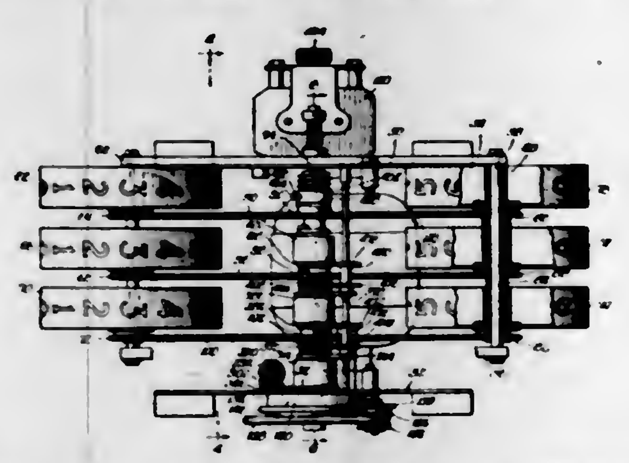
Arthur M. Bruce, Long Beach, Calif.
Application January 9, 1945, Serial No. 572,071
6 Claims. (Cl. 248—68)

1. Clamping means of the character described comprising, a base bar across which cables or other articles of generally cylindrical shape are laid in a group, end caps attached to the bar one in position for being disposed at each side of a group of cables and including a wall portion for abutting a cable side, a body portion adapted to overlie and clamp against said article and an upstanding wall portion terminating in an angle bent head piece, a U-shaped cap piece having a body portion adapted to engage in clamping contact over a cable and having upstanding wall portions for lying against end cap wall portions and terminating in angle bent head pieces bent reversely with respect to the end cap head pieces so that the end cap and cap piece head pieces will be associated in cooperating V-shaped pairs, and a channel clamp piece receivable over each cooperating pair of head pieces for holding the cap piece in cable clamping position between the end caps.



2,419,762
ZERO-SETTING DEVICE FOR REGISTERS

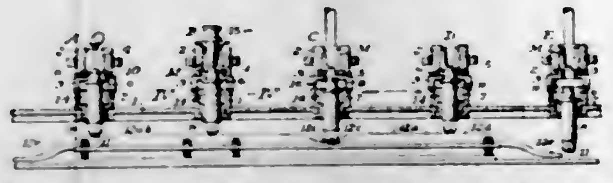
Kenly C. Bugg, Fort Wayne, Ind.
Application April 22, 1940, Serial No. 330,867
33 Claims. (Cl. 235—144)



1. In registering mechanism, the combination of indicating means, means for driving said indicating means operatively connected to said indicating means, said second named means including clutches, transfer mechanism between said clutches whereby they are serially operated, said clutches being adapted to be declutched to permit reset of said indicating means, and means tending to drive said indicating means in a registering direction during operation of said indicating means.

2,419,763
METHOD OF MOLDING GLASS ARTICLES

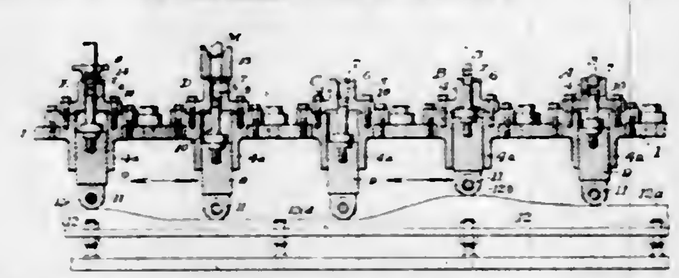
Robert P. Cassell, Jeannette, Pa., assignor to The Jeannette Glass Company, Jeannette, Pa., a corporation of Pennsylvania
Application December 17, 1943, Serial No. 514,692
3 Claims. (Cl. 49—85)



1. In automatically press-molding glass articles having slow-cooling bottom regions by use of an open bottom mold and a bottom-forming closure member movable automatically into and out of cooperative relation with said mold at its bottom; the herein-described method of producing truly formed articles by press-molding the glass with the closure member in its cooperative position, retracting the said closure member and cooling the glass-contacting surface thereof, and while the glass in the bottom region of the article molded is still viscous finally forming the said bottom region by restoring the cooled closure member to cooperative position in the mold in supporting and forming contact with the bottom of the molded article.

2,419,764
METHOD OF MOLDING GLASS ARTICLES

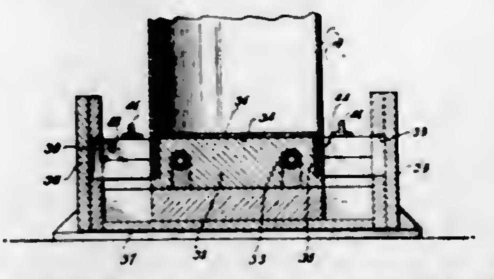
Robert P. Cassell, Jeannette, Pa., assignor to The Jeannette Glass Company, Jeannette, Pa., a corporation of Pennsylvania
Application December 17, 1943, Serial No. 514,693
5 Claims. (Cl. 49—85)



1. In the press-molding of a glass article which comprises a laterally extended intermediate portion with two end or shank portions extended oppositely therefrom; the herein-described method of molding such article in a mold assembly comprising a die having therein on shank-molding cavity and at the open upper end thereof an extension of such cavity for forming the laterally extended intermediate portion of the article and a top-forming plunger having therein a cavity for forming the other shank portion of the article, which comprises first increasing the charge-receiving volume of the die cavity beyond the volume of that portion of the article which is to be formed therein by increasing the charge-receiving depth of the die cavity beyond the depth thereof at which the said cavity is effective regionally to form the said glass article from the charge, feeding to and wholly receiving in the die cavity a charge of molten glass substantially equal in volume to the volume of the finished article, press-molding the glass by restoring the die cavity to its effective charge-forming dimensions with a portion of the charge of molten glass extending above the said cavity, and forming the said article by rapidly relating the said top-forming plunger with the said die to move the upwardly extended portion of the charge into the cavity of the said plunger.

2,419,765
METHOD AND APPARATUS FOR FABRICATING ARTICLES

Powel Crosley, III, Coral Gables, Fla.
Application April 25, 1944, Serial No. 532,667
9 Claims. (Cl. 93—55.1)

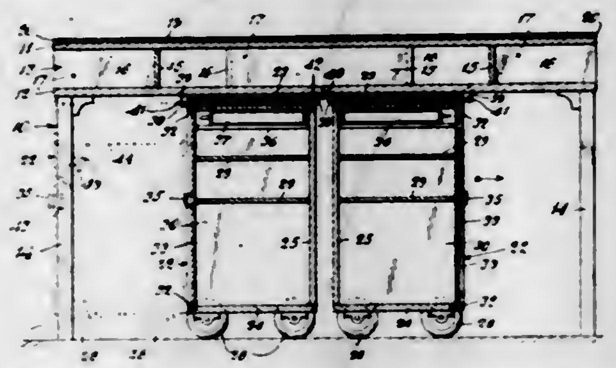


1. The method of constructing containers of synthetic resin impregnated fibrous material, which comprises, forming a tubular body mem-

ber of said material having an aperture therein, assembling in said aperture another member of said material having a surface contacting a surface of said body member adjacent said aperture, coating prior to said assembling the contacting surfaces of said members with a layer of partially reacted thermo-setting synthetic resin, and pressing said contacting surfaces together while simultaneously subjecting the same to a temperature sufficiently high to first fuse said resin layers together and then further react the resin thereof to a substantially infusible and insoluble state.

2,419,766
COMBINATION TABLE AND SEPARABLE SERVICE CABINET

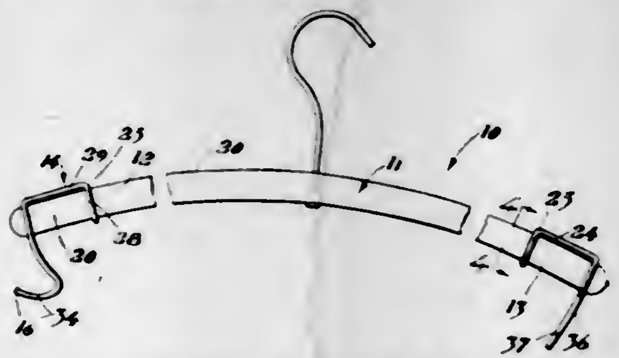
Ruth Louise Domash, Chicago, Ill.
Application April 13, 1944, Serial No. 530,783
3 Claims. (Cl. 312—150)



1. A combination table and service cabinet comprising a main table including a top structure and legs, a cabinet having a table top provided with a passageway therethrough, said cabinet being movably arranged beneath said top structure, a strip secured to the under face of the top structure and extending through said passageway and cooperative stops on said strip and said cabinet to limit the outward movement of the cabinet to a position with its face approximately flush with an edge of the top structure, said strip being movable to disengage said stops and thereby permit removal of the cabinet from beneath the top structure.

2,419,767
GARMENT HANGER

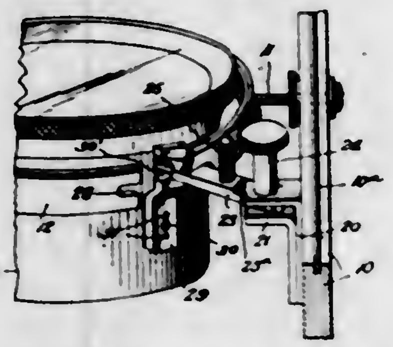
Roy Elmo Earl, Long Beach, Calif.
Application November 19, 1945, Serial No. 629,589
1 Claim. (Cl. 223—93)



A garment hanger including a supporting bar of substantially rectangular shape in cross section, a suspending hook secured to said bar midway of its length, garment supporting clips slidably disposed on the opposite ends of said bar, each clip having a loop formed at its inner end adapted to extend under said bar and upwardly at the opposite sides thereof, the sides of each loop being bent inwardly to overlie and extend in parallel spaced relation along the top of said bar, the outer ends of said parallel extending portions being bent outwardly and downwardly to overlie the top and opposite sides of the bar, with the lower ends of the side portions being bent inwardly to extend under said bar and terminating in outwardly extending depending shanks having engaging hooks on their ends.

2,419,768
GIMBAL LOCKING MECHANISM

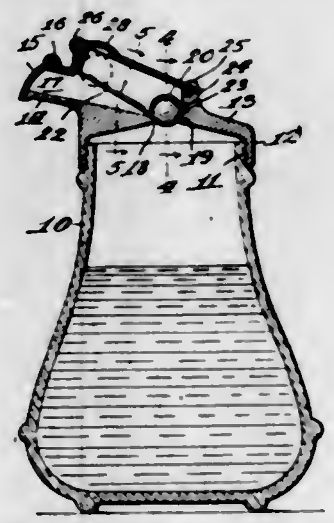
George G. Ensign, Robert R. Lawson, Earl H. Schaefer, and Wenzel M. Wochos, Jr., Elgin, Ill., assignors to Elgin National Watch Company, Elgin, Ill., a corporation of Illinois
Application May 18, 1945, Serial No. 594,570
5 Claims. (Cl. 248—182)



1. A lock for a gimbal suspension having an outer support, a gimbal ring pivoted on said support, and an inner member pivoted on the gimbal ring, which comprises a movable latch carried by the outer support, said ring and inner member having apertures therein spaced from the gimbal pivots for receiving the latch when in locking position, and means for holding the latch against releasing movement when in locking position.

2,419,769
DISPENSING CONTAINER HAVING A GRAVITY OPERATED CLOSURE

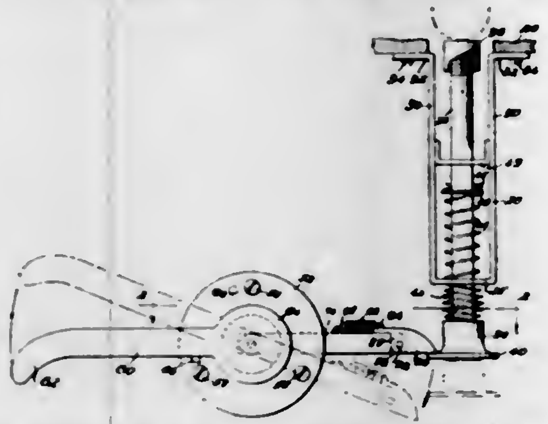
Louis Frank, Fellows, Calif.
Application June 12, 1943, Serial No. 490,596
1 Claim. (Cl. 222—500)



In a dispensing container, a receptacle, a removable cover therefor, said cover having a centrally arranged outlet opening surrounded by a seat for a ball valve, there being an air vent formed through said cover outwardly from said valve seat, an upwardly inclined spout leading radially outward from said opening, there being a chamber formed in said cover above and communicating with said spout, there being longitudinally disposed shoulders formed between said spout and said chamber, which shoulders are inclined with respect to the bottom of said spout with their inner ends located on the valve seat surrounding said opening, and their outer ends disposed above the outer portion of said spout and a ball valve normally resting on said valve seat for simultaneously closing said outlet opening and air vent and which ball is adapted to traverse said inclined shoulders as the receptacle is tilted forwardly and backwardly.

2,419,770
PLUNGER FOR PINBALL MACHINES

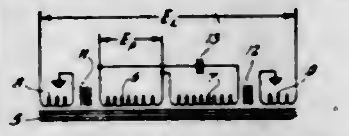
Nathan R. Glass, Philadelphia, Pa.
Application May 24, 1945, Serial No. 595,614
4 Claims. (Cl. 273—129)



1. A device of the character described for controlling the forward movement of a vertical pin ball plunger comprising a knob on the outer end of said plunger, a rim on said knob, a pivotal lever contacting the rim on the knob on the plunger and adapted to retract the plunger by means of a handle positioned on the front of the pin ball machine.

2,419,771
HIGH REACTANCE TRANSFORMER

Edwin G. Goddard, Lombard, Ill., assignor to Jefferson Electric Company, Bellwood, Ill., a corporation of Illinois
Application August 15, 1942, Serial No. 454,948
3 Claims. (Cl. 171—119)

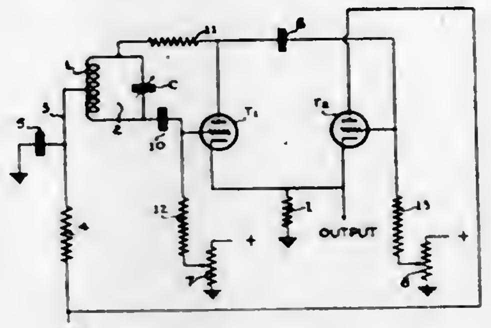


1. A high leakage reactance transformer comprising a magnetic core structure having thereon a primary winding adapted to be connected to a source of alternating current, an auxiliary winding mounted on said core structure directly adjacent one end of said primary winding, one end of said auxiliary winding being connected to the adjacent end of said primary winding, a capacitor connected between the other ends of said auxiliary winding and said primary winding, and a divided secondary winding arranged on said core structure so as to be balanced in voltage with respect to said primary winding, said core structure having high leakage reactance paths between said secondary winding and said first mentioned windings.

2,419,772
PULSE GENERATOR SYSTEM

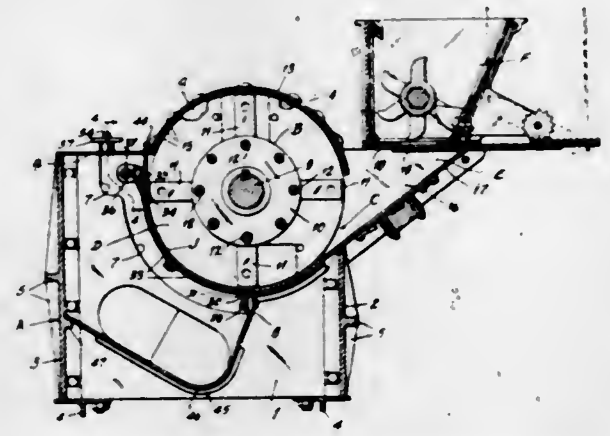
Thomas L. Gottier, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 30, 1944, Serial No. 542,955
7 Claims. (Cl. 250—36)

7. A pulse generator system comprising first and second electron discharge structures each having an anode, a cathode and a grid, a stabilizing tuned circuit coupled between the anode and grid of said first structure, a resistance-capacity network having a high impedance at the pulse frequency connected between a point on said tuned circuit and a source of anode polarizing potential, a capacitive connection between the anode of the first structure and the grid of the second structure, a direct current connection between said cathodes, a common direct current impedance connecting said cathodes to ground, the constants of said systems being such that said first structure is conductive for all but a relatively short period of the total time, while said second structure is non-conductive for all but a relatively short period of the total time.



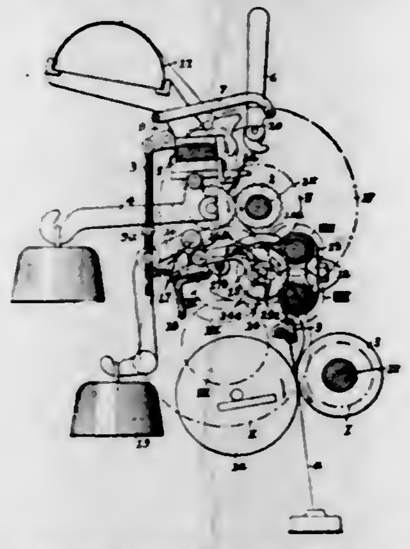
2,419,773
MOUNTING FOR REMOVABLE SCREENS OF HAMMER MILLS, GRINDERS, AND THE LIKE

William P. Gruendler, Clayton, Mo., assignor to Gruendler Crusher & Pulverizer Company, St. Louis, Mo., a corporation of Missouri
Application October 11, 1943, Serial No. 505,773
3 Claims. (Cl. 241—89)



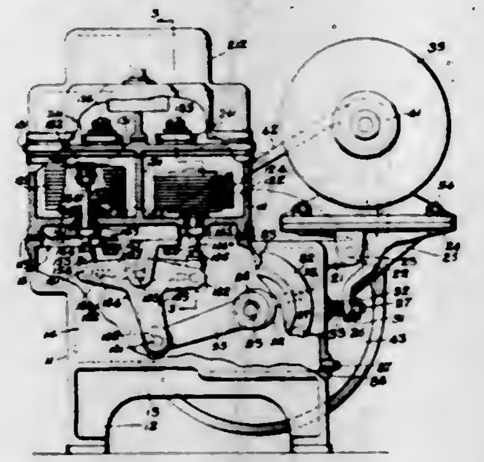
1. A grinding machine comprising, in combination, a housing including side walls having opposed arcuate recesses, a rotor-cage, a support within the housing, the cage including a removable screen normally seated at its lower margin upon said support, and means for removably securing the screen in cage completing relation about the rotor, said means including a pair of yielding bands fixed at an end to said support and disposed for movement in said wall recesses, a shaft mounted for rotatory movement on the housing adjacent the upper margin of said side walls, cam-members fixed on said shaft for movement in said recesses, opposed studs projecting inwardly from said cam-members, said bands having a loop connection at their free end with said studs, and lever-ratchet mechanism mounted on the housing rotarily actuating the shaft and its attached cam-members for shifting the bands into engaging relation with the screen.

2,419,774
MANUFACTURE OF YARN
Malcolm Hain, Montclair, N. J.
Application March 15, 1946, Serial No. 654,704
2 Claims. (Cl. 19—130)



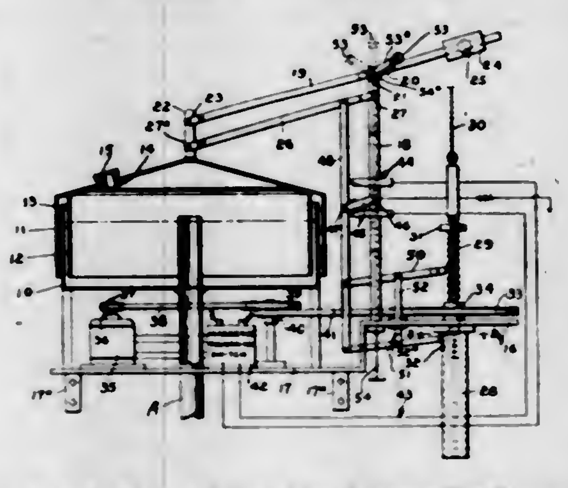
1. In the art of drawing sliver, the combination, with mechanism for imparting tractive effort to the sliver including supporting structure, a pair of drawing rolls and a pair of retaining rolls journaled in said structure, a pair of driven rolls journaled in said structure between said roll pairs, all said rolls being substantially parallel, and means to rotate one drawing roll and one retaining roll, the former at the superior speed, and also rotate the driven rolls at a common speed between those of the latter drawing and retaining rolls, of means coactive with said driven rolls to control the draft including a pressure roll substantially parallel with and normally urged to coact with both driven rolls to grip the sliver, a carrier in which the pressure roll is journaled and being in part supported by said mechanism and having bearing means lateral of the path of the sliver and facing the driven rolls and abutting the pressure roll, and a lever to which the carrier is pivoted to oscillate therewith independently of the pressure roll and also supporting the carrier and normally urged in the direction to urge the carrier toward said driven rolls, said carrier having a guideway for supporting the pressure roll when the carrier is retracted.

2,419,775
PUMP
William H. Hazard, Chicago, Ill., assignor to Woodruff & Edwards, Inc., Elgin, Ill., a corporation of Delaware
Application July 3, 1944, Serial No. 543,326
9 Claims. (Cl. 103—148)



1. A fluid pump, comprising in combination, a plurality of pumping chambers, a plurality of sectional bellows of resilient metal, one individual to each said pumping chamber within the same and fixed at one end to a wall thereof, a base, a common inlet chamber, a common outlet chamber, both said chambers common to said pumping chambers, a plurality of inlet valves, one individual to each pumping chamber and serving to interconnect its said pumping chamber to said inlet chamber, a plurality of outlet valves, one individual to each pumping chamber and serving to interconnect its said pumping chamber to said outlet chamber; and means to compress and expand each said bellows successively and repeatedly to introduce fluid from said common inlet chamber to its said pumping chamber through its associated inlet valve, and to discharge said fluid from its said pumping chamber through its associated outlet valve to said common outlet chamber, said means comprising a housing supported on said base and including bearings, a crank shaft carried on said bearings, power-driven means to rotate said crank shaft, a plurality of rods, one individual to each said bellows and connected to the free end of each said bellows, means for operatively connecting said crank shaft to said rods to subject each said bellows to reciprocatory alternate compression and expansion, said housing being adapted to be supported on said base at either side thereof selectively.

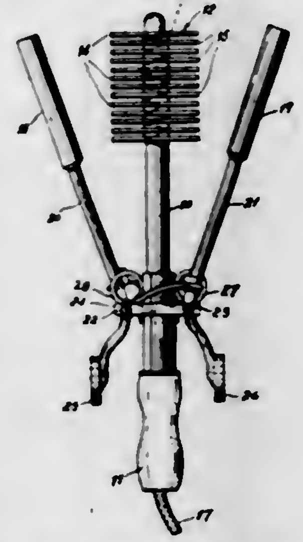
2,419,776
ELECTRIC DAMPER CONTROL
Henry Carl Holz, Salt Lake City, Utah
Application August 1, 1945, Serial No. 608,283
4 Claims. (Cl. 236—74)



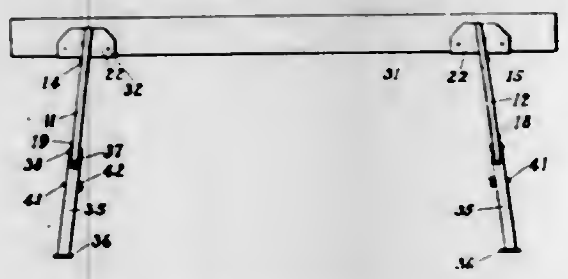
1. An apparatus of the kind described, comprising a feed screw for connection with a damper to change its position, an electric motor, driving connections between the motor and screw, an electric circuit system having reversing means for the motor, pressure operated means cooperating with the screw and circuit system to control the reversing means of the latter to have the screw change the position of the damper, an oil font and bell therefor included in the pressure operated means, and adjustable and stationary feed limit means on the screw.

2,419,777
HAIR STRAIGHTENING AND DRYING DEVICE
May D. Howe, Brooklyn, N. Y.
Application January 17, 1946, Serial No. 641,767
5 Claims. (Cl. 132—14)

3. In a device of the character described, the combination of a body member having a double-edged comb at one end and a handle at its other end; the respective sets of teeth of said comb extending laterally from said body member, a pair of bar members moveably mounted on the body member and extending normally positioned one against one face only of said comb and the other against the other face only of said comb, spring means interposed between the body and bar members respectively, adapted to urge and maintain said bar members in said positions respectively, and a pair of finger pieces, carried one on each of said bar members for manually moving the respective bar members away from the comb.



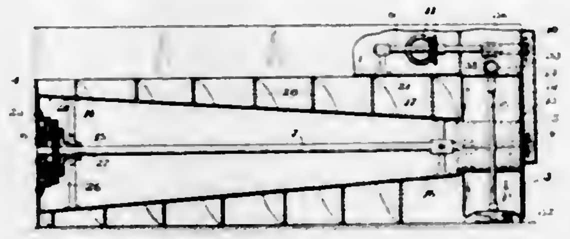
2,419,778
TRESTLE LEG ASSEMBLY
Harry B. Imes, Louisville, Ky.; Mary W. Imes executrix of said Harry B. Imes, deceased
Application December 29, 1945, Serial No. 638,328
5 Claims. (Cl. 304—5)



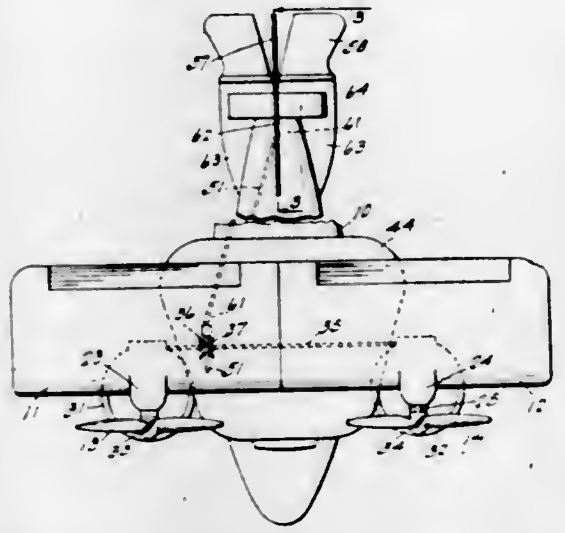
1. A foldable trestle leg assembly for use in supporting a cross bar at the top thereof, comprising: a pair of channel-shaped legs pivotally connected relative to one another adjacent their upper ends; means below the pivotal connection including a toggle assembly for expanding the legs below the pivotal connection and locking the legs with the upper ends thereof in predetermined spaced relation to grip a cross bar; a separate channel section of larger size than the legs nested about the lower end of each leg, each leg being formed on its inner face adjacent the lower end thereof with a plurality of inwardly and upwardly extending notches, each separate channel section being provided with a pin arranged to be engaged in one of said notches when in adjusted position and nested about the leg; and means to lock each channel section in such adjusted position.

2,419,779
SNOW EXCAVATOR
Norman L. James, Ingersoll, Ontario, Canada
Application October 23, 1944, Serial No. 560,055
In Canada November 3, 1943
5 Claims. (Cl. 37—43)

5. In a snow excavator, a part cylindrical fan casing having a horizontal axis, a fan within said casing, a casing extending laterally from said fan casing, means within said extension casing for feeding snow to said fan, a driving gear for said fan and feeding means arranged above said casing, a vertical shaft mounted in said fan casing forward of the fan and operatively connected to said driving gear, and a horizontal rotary cutter mounted on the lower end of said vertical shaft below the bottom of the fan casing to clear ice and snow from in front of the fan casing as the excavator is advanced.



2,419,780
CONVERTIBLE AIRPLANE ADAPTED FOR HORIZONTAL, VERTICAL, AND HOVERING FLIGHT
Lawrence F. Jordan, Oakland, Calif.
Application January 3, 1946, Serial No. 638,832
5 Claims. (Cl. 244—12)

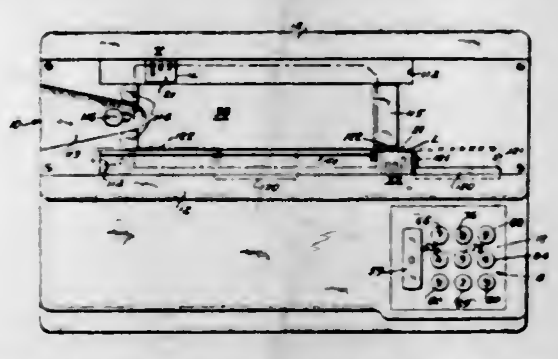


1. An aeroplane comprising; a pair of airfoil wings each having a propeller and being adjustable about vertical axes to bring the leading edges of the respective airfoil wings and their propellers facing each other, and means for adjusting said airfoil wings from forwardly facing to inwardly facing position; a vacuum wing located in a plane below said airfoil wings at a distance to clear said propellers and located in gradually increasing cooperative relation as the propellers are adjusted from their forward flight position to the position facing each other to block movement of air to the propellers from below and develop a more or less intense vacuum over the vacuum wing and between the propellers in conformity with the speed of the propellers, to lift or lower the aeroplane at will.

2,419,781
KEY OPERATED CARD PUNCHING MACHINE
Lincoln M. Keefe, Brooklyn, N. Y., assignor to The McBee Company, Athens, Ohio, a corporation
Application August 23, 1945, Serial No. 612,156
18 Claims. (Cl. 164—112)

1. A machine of the character described comprising a frame, guide means on the frame, means for holding a card on the frame in a predeter-

mined position thereon relative to the guide means, a punch and die carrying carriage mounted in the guide means in operative relation to the edge of a card supported on the frame, carriage operating means for advancing said carriage step by step through a plurality of predetermined positions along the edge of the card,



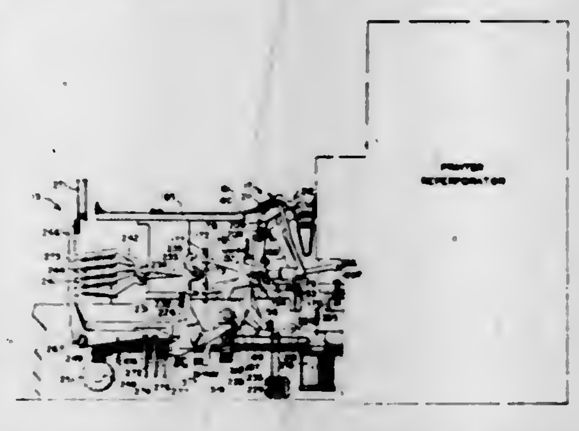
selective key operated means for actuating the punches of the carriage at each position, and means operative in synchronism with the key operated means for actuating the carriage operating means to advance the carriage to a succeeding position upon each operation of the key operated means.

2,419,782
PRINTING TELEGRAPH APPARATUS

Ross A. Lake, Oak Park, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware

Original application September 20, 1941, Serial No. 411,660. Divided and this application January 18, 1944, Serial No. 518,710

6 Claims. (Cl. 178—17)



1. In combination in a unitary structure, a sensing mechanism including a plurality of sensing elements to sense control indicia in a tape, a corresponding plurality of pivotally supported control vanes, mechanical means articulated to said vanes and operatively related to said elements to store and subsequently transfer a permutable setting of said sensing elements determined by said tape to said code vanes, and a plurality of function levers selectively responsive to the permutable setting of said vanes.

2,419,783
ESTER DERIVATIVES OF LIGNIN SULPHONATES

Kermit Longley, Philadelphia, Pa., assignor to Quaker Chemical Products Corp., Conshohocken, Pa., a corporation of Pennsylvania

No Drawing. Application January 31, 1944, Serial No. 520,539

2 Claims. (Cl. 260—124)

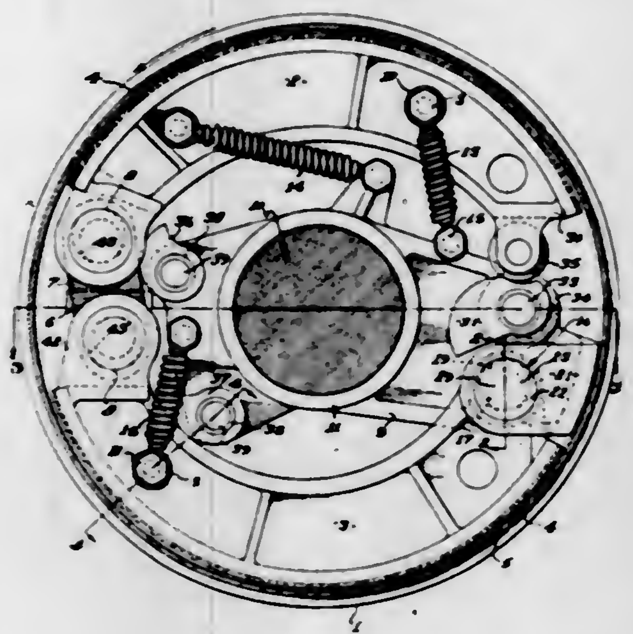
1. As a new product, a higher fatty acid ester of a lignin sulphonate.

2,419,784
BRAKE

John J. Low, Los Angles, Calif., assignor to Kay-Brunner Steel Products, Inc., a corporation of Delaware

Application August 21, 1944, Serial No. 550,405

4 Claims. (Cl. 188—78)



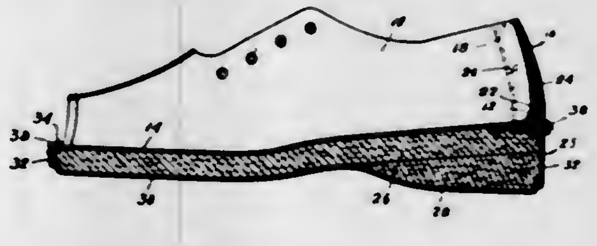
1. In a brake, the combination of a relatively fixed bracket; a brake drum; a pair of brake shoes supported on the bracket; means for moving one of said shoes into contact with the drum enabling the drum to exert a drag force upon the same; a free floating strut link connecting said shoes moved by the drag force to impart a thrust force to the other shoe to apply it to the brake drum, during the forward rotation of the drum; and adjustable means engaging the side of said link and operating as a fulcrum enabling the link to act as a lever to impart the braking force to the said other brake shoe when the drum is rotating in a reverse direction.

2,419,785
FOOTWEAR

Roy Maling, West Roxbury, Mass.

Application December 9, 1944, Serial No. 567,361

3 Claims. (Cl. 36—17)



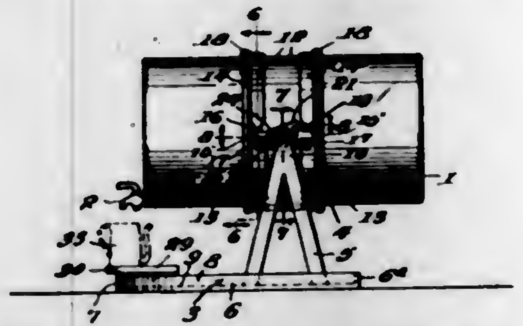
1. An article of footwear comprising an upper, a sock-lining having its marginal regions stitched to the lower edge regions of the upper, a welt strip stitched exteriorly to the lower edge of the upper around at least a substantial portion of the extent of the upper and turned outward into generally horizontal position, a platform unit, flexible means covering the entire bottom area of said unit and having marginal portions turned upward into covering relation to the sides of said unit, and means passing through said welt strip securing said upturned marginal portions of said flexible means to the welt strip, said securing means being free from extent through any portion of the flexible covering means which is below the plane of the bottom of the platform unit.

2,419,786
BARREL STAND

Donald E. Meehan, Washington, D. C.

Application November 28, 1944, Serial No. 565,489

3 Claims. (Cl. 248—141)



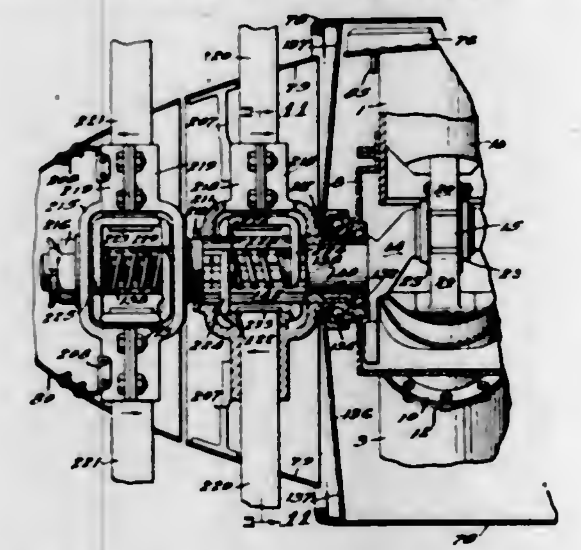
1. A barrel support comprising a base formed with side rails, a straight rear end rail and a curved forward end rail, vertical supporting members on the side rails of the base near the rear end rail and having bearings at their upper ends, a cradle formed with straps having detachable sections mounted on the supports and having pivot pins engaging in the bearings, an arcuate plate with an arcuate slot on the cradle, an adjustable bolt in the slot and means on the bolt for limiting the pivotal movement of the cradle, said means including an eccentric sleeve, and clamping means between the sections of the straps.

2,419,787
AIRCRAFT ENGINE AND PROPELLER UNIT

Glenn Muffly, Springfield, Ohio

Application April 9, 1941, Serial No. 387,709

5 Claims. (Cl. 170—135.6)



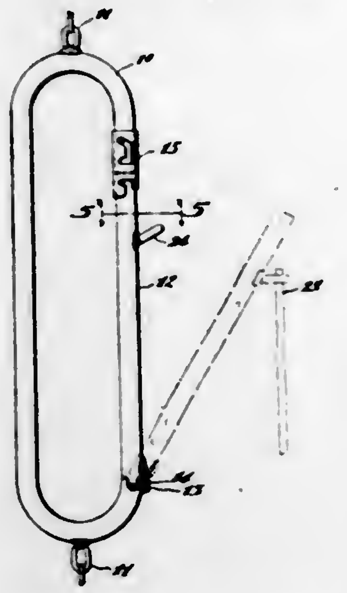
1. In an aircraft, the combination of a pair of coaxial propellers each including a hub and a plurality of blades, each blade of one of said propellers being movable with respect to its hub to vary its pitch, spring means interposed between a pair of said blades for urging them toward angles of increased pitch so that a decrease of pitch of one blade acts through said spring means to increase the spring effect urging another blade to a greater pitch for the purpose of balancing the loads on individual blades of said one propeller, said spring means including means acting to vary its spring rate when said blades reach a given pitch, and driving means for said propellers including a pair of coaxial shafts, one for each of said propellers, said driving means acting in response to variations in the torque on the said shaft driving said variable pitch propeller caused by a change of pitch of the said variable pitch propeller driven thereby to apply a corresponding change of torque to the other of said shafts.

2,419,788
COW STANCHION

Arthur Nickell, Amelia, Ohio

Application February 16, 1944, Serial No. 522,591

2 Claims. (Cl. 119—149)



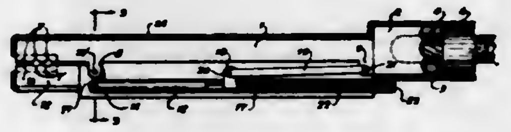
1. In a cow stanchion, a collar member of general C-configuration, a gate bar swingable across the opening in said member, a slidable and rotatable sleeve for engaging over the adjoining open ends of the collar member and gate bar, pins positioned on the outer surface of said open ends, slots in said sleeve for engagement with the pins when the gate bar is in closed position, said slots having vertical portions permitting vertical movement of the sleeve when the pins are positioned in the slots, one of said slots having a portion extending diagonally laterally from the vertical portion and the other of said slots having a portion extending substantially horizontally from the vertical portion for locking engagement with the pins upon rotation of the sleeve.

2,419,789
ELECTRODE HOLDER

James E. Paulson, Long Beach, Calif.

Application July 11, 1945, Serial No. 604,475

3 Claims. (Cl. 219—8)



1. An electrode holder comprising a handle, an electrode-clamping and welding bar extending forwardly from said handle and having a front end notched portion, a short bar-like jaw pivotally connected to said bar for swinging into and from clamping relation to said portion and having a notched portion complementing the notched portion of said bar to seat electrodes in the notches of the same, and means to swing said jaw comprising a rod pivoted at one end to said jaw for lateral swinging movement on said pivot and endwise movable to swing said jaw, and means to cause said rod to move endwise as an incident to lateral swinging thereof comprising a link pivotally connected at opposite ends thereof to said bar and rod, respectively, for overthrow movement of the pivotal connection thereof to the rod past dead center relation to the pivotal connection of the link to the bar and the pivotal connection of the rod to said jaw.

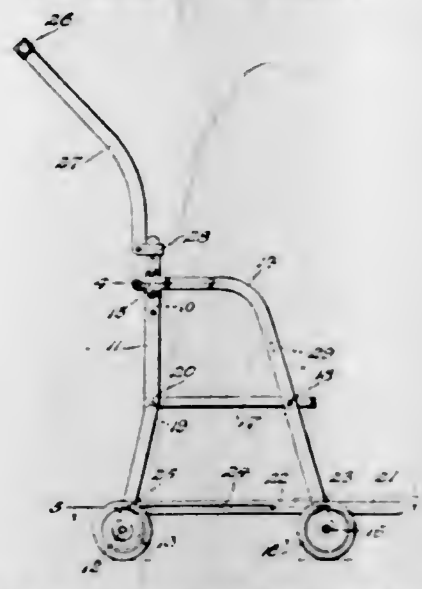
2,419,790

COLLAPSIBLE STROLLER VEHICLE

Leslie C. Peltier, Delphos, Ohio, assignor to The Delphos Bending Company, Delphos, Ohio, a corporation of Ohio

Application February 13, 1946, Serial No. 647,294

4 Claims. (Cl. 280—41)



1. A child's stroller vehicle comprising a frame composed of a pair of rear vertically extending side members, hinge plates secured to the upper portion of said side members, a pair of forward side members carried at their upper ends to provide arm rests, means pivotally uniting the rear ends of said arm rest portions of the forward members with said hinge plates, a U-shaped pusher handle having its lower ends pivotally connected with said hinge plates in the horizontal plane of the arm rests, pivoted latch bales carried by said pusher handle and engageable with the upper ends of said rear side members above the upper portion of said hinge plates to retain the handle in fixed relation with said frame, a seat pivotally connected at its forward portion with said front side members, said seat having removable engagement with the rear side members, and wheeled axles carried by the lower ends of said rear and front side members.

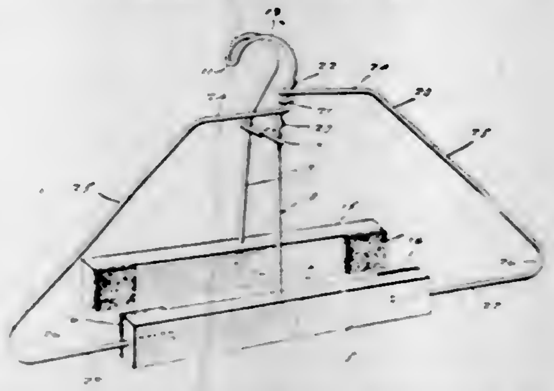
2,419,791

GARMENT HANGER

Mickey Phillips, Chicago, Ill.

Application March 22, 1946, Serial No. 656,390

1 Claim. (Cl. 223—91)



In a device of the character described, in combination with a pants hanger including diverging resilient legs having their upper portions curved to form a hook terminating in spaced parallel clamping blocks, a coat hanger comprising a single separate wire looped about an intermediate portion of one of said legs adjacent said hook and having outwardly extending angularly disposed portions formed at their extremities in inwardly turned portions aligned with the ends of one of said blocks, the extremities of said last-mentioned portions being secured to said blocks, one of said resilient legs being crimped above and below the looped portion of said single wire to retain the same in position.

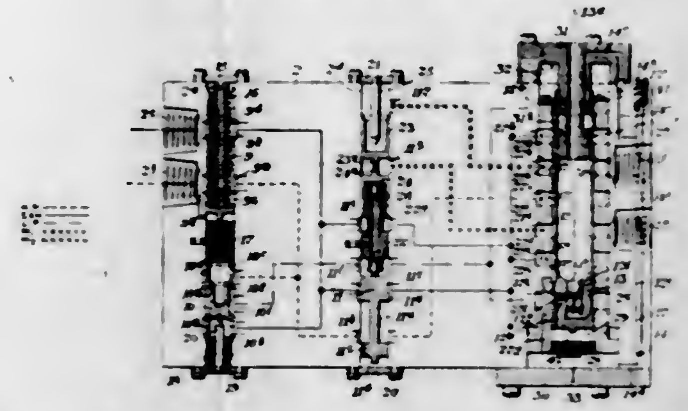
2,419,792

HYDRAULIC POWER SYSTEM

Edward J. Poitras, Jackson Heights, and James D. Tear, Great Neck, N. Y., assignors to Ford Instrument Company, Inc., Long Island City, N. Y., a corporation of New York

Application June 6, 1935, Serial No. 25,208

22 Claims. (Cl. 60—53)



1. In a hydraulic power system including a hydraulic medium under different and varying pressures, pressure control means for affecting the system and operating means therefor including means for selectively applying to the control means the force exerted by the portion of the hydraulic medium under the highest pressure.

10. In a hydraulic power system including several passages containing therein hydraulic medium under different and varying pressures, means operative to vary the flow of hydraulic medium in certain of said passages including means for varying the cross-sectional area of the said certain passages and for changing the direction of flow of the hydraulic medium therein, and means for regulating the pressure drop across the variable cross-sectional area of one of said certain passages.

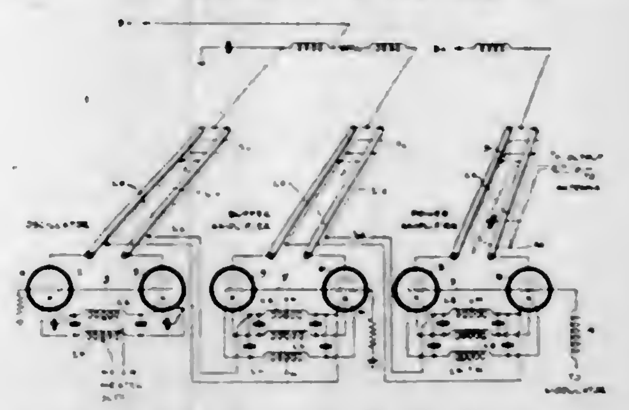
2,419,793

ULTRA HIGH FREQUENCY ELECTRON DISCHARGE DEVICE CIRCUIT

Charles A. Rosencrans, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application March 8, 1944, Serial No. 525,542

11 Claims. (Cl. 250—36)



1. A stable electron discharge device stage operating over a wide range of radio frequencies, comprising a vacuum tube having a grid, a cathode and an anode, a connection from said grid to ground, a line coupled to said cathode having such length that the cathode-to-grid impedance is capacitive over the entire frequency range, said line being longer than the length at which oscillations will occur at the lowest operating frequency, inductance coils in the legs of said cathode having such inductance that the net impedance looking into said coils and line from said cathode has a low value of capacitive reactance over the entire frequency range, and a tuned circuit coupled to said anode for controlling the frequency of operation of said stage.

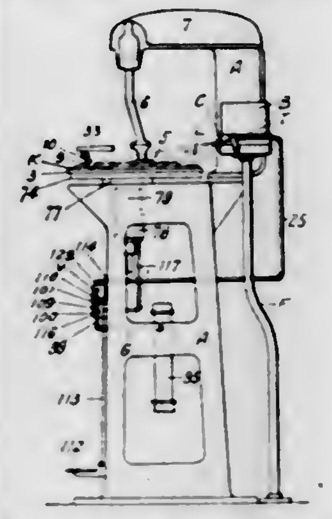
2,419,794

MOISTENING DEVICE FOR SOLE CUTTING MACHINES

Albert Roy and Armand Roy, Lawrence, Mass.

Application March 29, 1944, Serial No. 528,514

8 Claims. (Cl. 12—1)



1. The combination with a sole cutting machine having a frame, a work table carried thereby and including a main table and an auxiliary table normally flush with the main work table and carried by a vertically movable piston operable by air pressure in a cylinder whereby a part of the work on the main table can be lifted by air pressure from an air pressure line connected to the cylinder and to a source of air pressure; an air control valve with an operating arm interposed in the air pressure line to the cylinder from the source of air pressure, said valve being so arranged that when its operating arm is moved one way, air under pressure goes to the cylinder and when moved the other way it shuts off the air pressure and allows the cylinder air to escape through an exhaust port, a foot treadle and a connection to the operating arm of the valve to control the air going to and coming from the cylinder; of a water trough positioned near the main work table proximate the auxiliary table; a water tank positioned in the trough with a water level regulating valve in its bottom and positioned in the trough; and an air operable water spray device adjustably attached to the trough and including a water spray nozzle positioned proximate the auxiliary table, a water pipe from the water spray nozzle into the trough, an air nozzle adjoining the water spray nozzle; and an air connection from the air nozzle to the exhaust from the air valve.

2,419,795

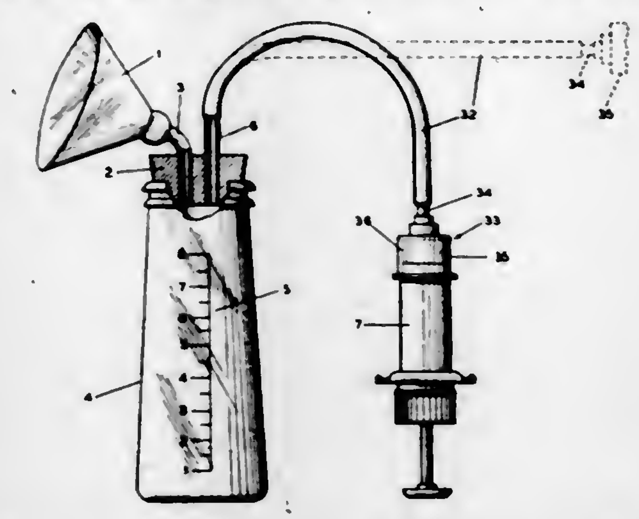
BREAST PUMP

Paul W. Saunders, Tarpon Springs, Fla.

Application July 11, 1945, Serial No. 604,415

3 Claims. (Cl. 128—297)

1. Breast pump comprising a flat bottomed milk vessel, a closure for the upper end thereof supporting a breast applicator and an outlet connection, both in communication with said vessel, a suction pump comprising a barrel having a plunger handle at one end and a peripheral coupling flange at the opposite end, a cross partition within said barrel at the base of said coupling flange having an axial bore, means forming a valve seat on said partition about the inner end of said bore, a valve on said seat having a stem extending through said bore, a valve spring surrounding said valve stem retained thereon and abutting the outer end of said partition, the latter having inner and outer coaxial annular flanges surrounding respectively said valve and said valve spring, the outer of said flanges being spaced from said coupling flange forming a channel, and a connecting member between said outlet connection and the valve end of said suction pump comprising a flexible tube connected to said outlet connection and a coupling cup connected to the opposite end of said tube and detachably coupled to said coupling flange, the length and resiliency of said tube being such as to hold said suction pump positioned with its valve end uppermost when said milk vessel and the plunger handle of said suction pump are resting on a common support, said channel functioning as a depository for liquid which may enter it from the wall of said coupling cup.



2,419,796

ALKYLATION PROCESS

Walter A. Schulze, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

No Drawing. Application July 13, 1942, Serial No. 450,801

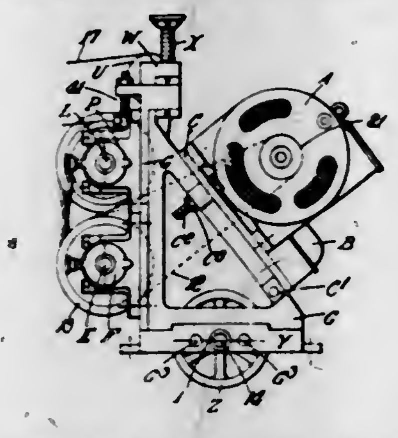
9 Claims. (Cl. 260—671)

1. An improved process for the production of ethyl benzene from benzene and ethylene which comprises passing a liquid stream of benzene and ethylene in such proportions that the molar ratio of benzene to ethylene is substantially in excess of 1:1 through a bed of solid granular adsorbent contact catalyst contained in a reaction zone and consisting of synthetic silica gel subsequently promoted by a minor proportion of alumina, said catalyst being prepared by forming a hydrous silica gel by introducing an alkali silicate solution into an excess of an acid and allowing the resulting mixture to set to a gel, water-washing said gel free of soluble material and partially drying to an extent so limited that the hydrous oxide composition of the gel is maintained, activating the resulting hydrous silica gel with an aqueous solution of a hydrolyzable aluminum salt and thereby causing adsorption of hydrous alumina on the silica gel in an amount corresponding to from 0.1 to 2% of alumina by weight, and water-washing and drying the treated gel, each said drying being conducted at a temper-

ature not greater than the subsequent reaction temperature, maintaining a pressure such as to maintain liquid phase in the reaction zone, carrying out said contacting at a temperature of from about 400 to about 700° F. and at a flow rate of from 0.1 to 10 liquid volumes of feed per hour per volume of catalyst, and thereby effecting alkylation of said benzene with said ethylene and the production of mono-ethyl benzene as the principal reaction product.

2,419,797
CHANGE-SPEED CONVERSION UNIT

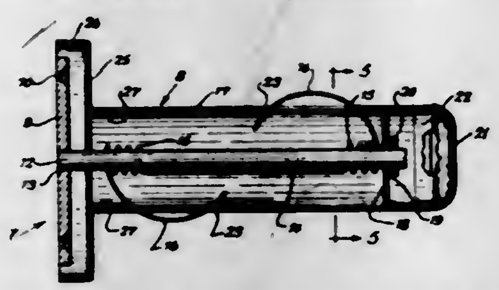
Wilfred Sydney Smith, Bedford, and Fredrick James Walters, Bedford Park, London, England
Application April 29, 1944, Serial No. 533,360
In Great Britain June 4, 1942
10 Claims. (Cl. 74—218)



1. In a change speed unit, an input shaft adapted to receive a constant drive, and associated therewith a secondary shaft adapted to be driven at constant speed from said input shaft; transmission members associated with said shafts, driving change speed pulleys adapted to be driven at different speeds by means of said shafts and transmission members and arranged upon said input shaft; a belt, a driven pulley loosely mounted on said secondary shaft; said belt adapted to be engaged alternatively by each one of said driving change speed pulleys on said input shaft and to engage said driven pulley loosely mounted on said secondary shaft; an output pulley arranged to be driven by said belt and for driving a machine; means for displacing said change speed unit laterally and relatively to said belt, so as to cause said belt to assume the speed of that of said driving change speed pulleys which at the time is passed under it, thereby to effect changes in the speed of said output pulley and the machine driven thereby.

2,419,798
TOILET TISSUE HOLDER

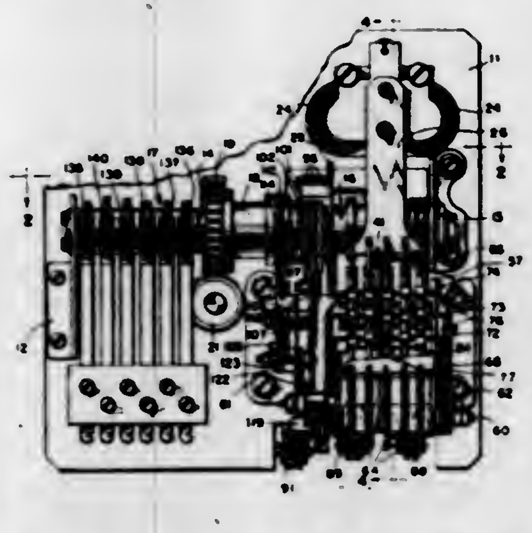
Guthrie B. Stone, Springwater, N. Y.
Application May 1, 1945, Serial No. 591,263
4 Claims. (Cl. 242—55.2)



3. A toilet tissue holder comprising in combination, a plate adapted for mounting on a wall, a shaft secured to said plate, a hollow mandrel rotatable on said shaft, said mandrel being formed with diametrically opposed, longitudinally spaced slots, and a resilient rod coiled medially of its length to provide a pair of mutually spaced bearings, the end portions of said rod being arcuated to form longitudinally extending, bow-shaped detents, said bearings being rotatably positioned on said shaft and each of said detents projecting upwardly through one of said slots.

2,419,799
RECEIVER TRANSMITTER

Carl W. Swan, Skokie, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application August 6, 1943, Serial No. 497,592
2 Claims. (Cl. 177—353)

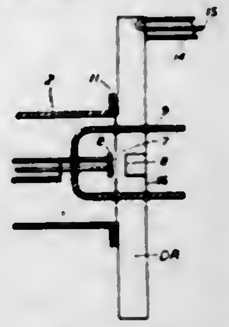


1. In start-stop telegraph apparatus, a single shaft, a selector magnet responsive to received code signal impulses for releasing said shaft for operation, a plurality of code bars operating upon the release of said shaft and permutably selectable under the control of said magnet, a plurality of code bails, each of said code bails responsive to the setting of said code bars in accordance with a predetermined code signal, an electrical contact associated with each of said code bails, means responsive under the control of said electrical contact to visibly indicate the received signal, and a cam distributor forming part of said shaft and having a plurality of electrical contacts predeterminately set to correspond to a code signal associated therewith, said electrical contacts being under the control of said cam distributor to be closed successively to transmit an answer back signal, said cam distributor and electrical contacts operating concurrently with the operation of said code bars.

2,419,800
ULTRA HIGH FREQUENCY AMPLIFIER

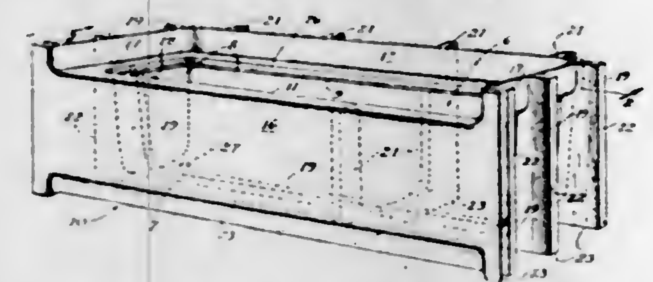
Stanley Gordon Tomlin, London W. C. 2, England, assignor to Standard Telephones and Cables Limited, London, England, a British company
Application June 2, 1942, Serial No. 445,508
In Great Britain May 10, 1941
1 Claim. (Cl. 179—171)

An amplifier for ultra high frequency comprising input and output resonator chambers at least one chamber consisting of a concentric conductor line section, said chambers being arranged in concentric alignment with each other and each enclosing a portion of an electron discharge device which comprises at least an anode, a cathode and a control grid, said cathode being electrically connected to the input chamber, said control grid having an annular metallic portion extending beyond the enclosing envelopes of the discharge device and sandwiched between the opposed end walls of said two chambers to form an accessible screen between the input and output circuits, blocking capacities inserted in the grid-cathode path and in the grid-anode path, at least one of said resonator chambers together with said grid and said metallic portion and one of said blocking capacity completely housing the part of the discharge device pertaining to said one chamber, at least one of said chambers comprising a hollow disc resonator, the element of said discharge device which is contained in said disc resonator being connected directly to the outer flat wall thereof, and means for moving said element toward or away from the grid for tuning said resonator.



2,419,801
BATHTUB CONSTRUCTION

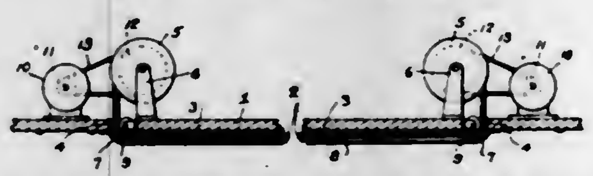
Frank P. Uphues, Chicago, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application May 15, 1944, Serial No. 535,703
3 Claims. (Cl. 4—173)



1. The combination with a bath tub having a rolled-over rim portion, of an enclosure member having a top portion to receive a bath tub, a vertically disposed tub supporting flange defining an opening in said top portion, a skirt portion extending downwardly from said top portion, and flanged portions extending upwardly from said top portion and along the side thereof not provided with the skirt portion, floor supported members disposed beneath the said bathtub having their upper edges conforming to the outline of a portion of the exterior surfaces of the bathtub.

2,419,802
MOTOR MURAL COMPRISING A CANVAS MOVED ALONG A WALL FROM ONE SPOOL TO ANOTHER

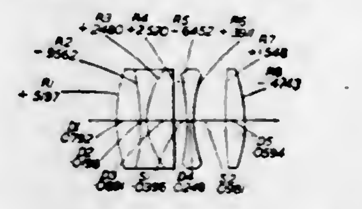
Mark Van Horne, Rochester, N. Y.
Application April 19, 1944, Serial No. 531,796
2 Claims. (Cl. 40—31)



1. A motor mural for use in conjunction with the walls of a room comprising a backing positioned on said wall and formed with slots near its ends, spools rotatably mounted adjacent said slots, an apron having end portions wound upon said spools and a portion between the spools covering the front face of said backing and passing through said slots, rollers engaged by said apron and directing the apron through the slots, a frame having end strips concealing the slots and the rollers and upper and lower strips overlapping upper and lower edge portions of said apron between the slots, and motors for individually driving said spools whereby one spool may be power driven to wind the apron thereon from the other spool.

2,419,803
OPTICAL OBJECTIVE

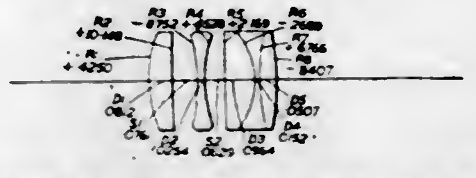
Arthur Warmisham and Charles Gorrie Wynne, Leicester, England
Application July 2, 1943, Serial No. 493,274
In Great Britain August 26, 1942
11 Claims. (Cl. 88—57)



1. An optical objective, corrected for spherical and chromatic aberrations, coma, astigmatism, field curvature and distortion, and comprising three components in axial alignment of which the front and rear components are convergent and the middle component divergent, one of the convergent components being of cemented triplet construction having a focal length between .5 and .7 times the focal length of the complete objective, such triplet component consisting of a double-concave middle element made of crystalline alum of the double selenate class having the formula $R_2SeO_4.Al_2(SeO_4)_3$ with water of crystallization, wherein R represents a monovalent metal or monvalent radical, and two convergent elements between which said middle element is cemented, the algebraic sum of the curvatures of the two cemented surfaces lying between 2 and 4 times the reciprocal of the focal length of the whole triplet component, one cemented surface having a radius of curvature more than twice that of the other cemented surface.

2,419,804
OPTICAL OBJECTIVE

Arthur Warmisham and Charles Gorrie Wynne, Leicester, England
Application July 2, 1943, Serial No. 493,275
In Great Britain August 26, 1942
24 Claims. (Cl. 88—57)

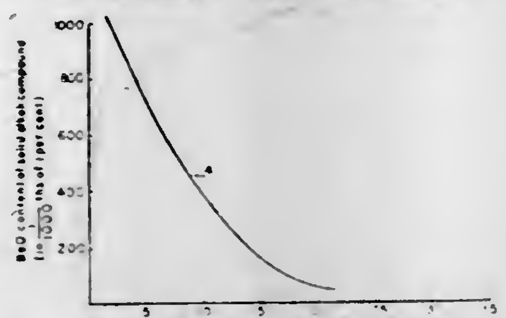


1. An optical objective, corrected for spherical and chromatic aberrations, coma, astigatism, field curvature and distortion, and comprising three components in axial alignment of which the front and rear components are convergent and the middle component divergent, one of the convergent components being of cemented triplet construction having a focal length between .5 and .7 times the focal length of the complete objective, such triplet component consisting of a double-concave divergent middle element made of crystalline alum

of the double sulphate class having the formula $R_2SO_4.Al_2(SO_4)_3$ with water of crystallization, wherein R represents a monovalent metal or monovalent radical, and two convergent elements of optical glass between which said middle element is cemented, the algebraic sum of the curvatures of the two cemented surfaces lying between 2 and 4 times the reciprocal of the focal length of the whole triplet component, one cemented surface having a radius of curvature more than twice that of the other cemented surface.

2,419,805
INHIBITING ALKALI DISSOLUTION OF GLASS

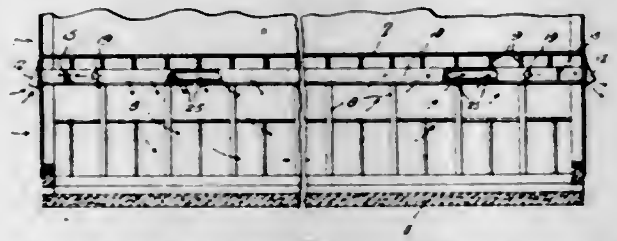
Walter F. Wegst and Leslie R. Bacon, Wyandotte, and Thomas H. Vaughn, Grosse Ile, Mich., assignors to Wyandotte Chemicals Corporation, Wyandotte, Mich., a corporation of Michigan
Application May 6, 1943, Serial No. 485,882
7 Claims. (Cl. 252—156)



1. The method of inhibiting the glass-dissolving action of aqueous alkali solutions in which caustic alkali is the principal solute present in the amount of 1 to 10% by weight, comprising the addition thereto of a water soluble beryllium compound in the amount of .05% to 11.4% in terms of BeO equivalent weight on the basis of NaOH content.

2,419,806
INLET AND OUTLET AIR DISTRIBUTING DUCT FOR BUILDINGS HAVING AUTOMATIC DAMPER MEANS

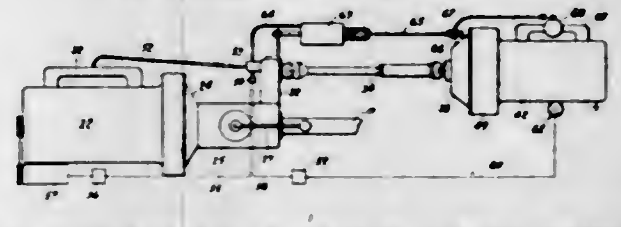
Kenneth J. Wendel, Park Rapids, Minn.
Application May 3, 1944, Serial No. 533,870
1 Claim. (Cl. 98—32)



A ventilating system for buildings comprising an air conduit mounted adjacent the ceiling of the building and extending horizontally through the building from one side thereof to the other, each end of the conduit being open and having communication with the atmosphere through the walls of the building, said conduit having openings in its bottom to provide communication with the interior of the building, a damper pivotally mounted in the conduit adjacent each end thereof and having off balance ends to provide relatively large and small ends on the damper, a downturned flange on the large end of the damper facing towards the inlet opening of the conduit and adapted to respond to predetermined air pressure entering the conduit to swing the damper vertically into a closed position, a counterbalance weight secured to the damper to normally maintain the latter in a horizontal position, a gate valve slidably mounted transversely of the conduit adjacent each end thereof and between said dampers and the conduit ends for manually controlling the supply of air to said conduit, and the discharge of supply therefrom, a screened inlet and a screened outlet for said conduit, and a hood adapted for attaching to the outside of the building and covering the top and sides of the ends of the conduits.

2,419,807
AUXILIARY POWERED VEHICLE CONSTRUCTION

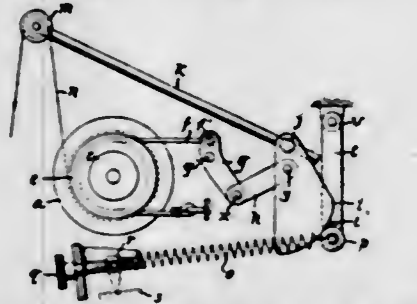
George D. Wilcox, Detroit, Mich., assignor of one-half to Frederick J. Haynes, Detroit, Mich.; Frank C. Cook executor of Frederick J. Haynes, deceased, and John Conway Cook executor of George D. Wilcox, deceased
Application December 19, 1938, Serial No. 246,565
12 Claims. (Cl. 180—54)



1. In combination, a vehicle chassis having a driving axle, a power unit including a transmission for transmitting torque to said axle, said transmission having a countershaft, a second shaft laterally offset from said transmission and geared to said countershaft, a supplemental power unit having a clutch connected to said second shaft, and means responsive to the speed of rotation and throttle conditions at said first power unit for starting said supplemental power unit and engaging said clutch.

2,419,808
WIRE TENSIONING DEVICE FOR COIL WINDING MACHINES

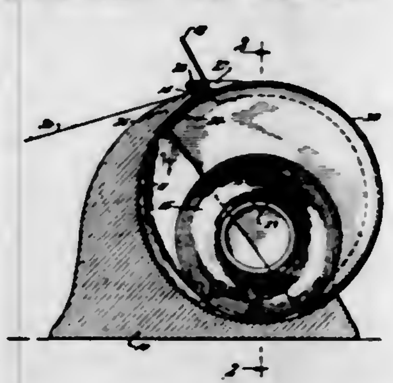
Otto Wirth, Zurich, Switzerland, assignor to Micafil Ltd., Zurich, Switzerland
Application August 26, 1944, Serial No. 551,360
In Switzerland June 18, 1943
5 Claims. (Cl. 242—156)



1. In a device for maintaining an allowable wire tension at the supply drum of a coil winding machine where the drum has a brake acting on it in dependence on the tension in the wire and the coil is mechanically driven, in combination, a wire guide lever, a roller carried by said lever over which the wire passes, a counter spring for biasing said lever to tension the wire, the tension in said spring being variable with any momentary variation in wire tension, and means maintaining the biasing effect of said spring on said lever substantially constant regardless of any fluctuation in spring tension comprising an intermediate element with a variable transmission ratio depending on its position operatively interconnecting said lever and said spring, said transmission ratio varying inversely with the spring tension.

2,419,809
SELF-THREADING DISPENSER

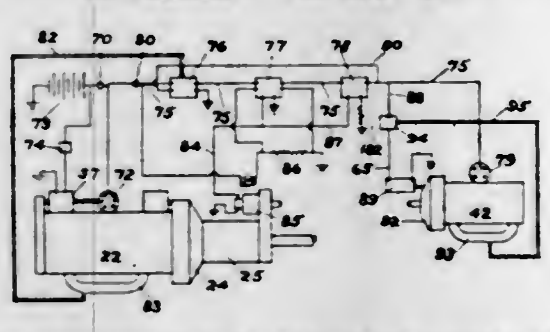
Ray Stanton Avery, Los Angeles, Calif., assignor to Adhesive Development Co., Los Angeles, Calif., a copartnership
Application June 30, 1944, Serial No. 543,011
2 Claims. (Cl. 312—91)



1. A dispenser of the character described comprising a container having a fixed encompassing wall partially circumscribing a cavity to receive a roll of tape, which tape has separate but contiguous labels adhesively attached to the inner face thereof, a freely movable wall forming a part of the container and having an encompassing portion complemental to the fixed wall and capable of being positioned relative to the same to complete the circumscribing of the cavity or uncover the same, one transverse edge of the fixed encompassing wall constituting a peeling edge whereby the tape may be led from the roll with its outer surface contacting the inner surface of the fixed wall and around said edge and over the outer surface of the fixed wall in a reverse direction, the movable encompassing wall having a portion to underlie at a spaced distance the fixed wall at the peeling edge so as to engage the inner surface of the tape and guide the same to the peeling edge when the movable wall is in the cavity enclosing position, and a transverse member fixed on the movable wall to overlie the peeling edge to engage the tape as it is led over the peeling edge and guide the same over the outer surface of the fixed wall when the movable wall is in the cavity enclosing position, said transverse member having a surface extending outwardly and substantially perpendicularly to the peeling edge in substantial alignment therewith to receive the labels as they are peeled from the tape.

2,419,810
MOTOR VEHICLE CONTROL APPARATUS

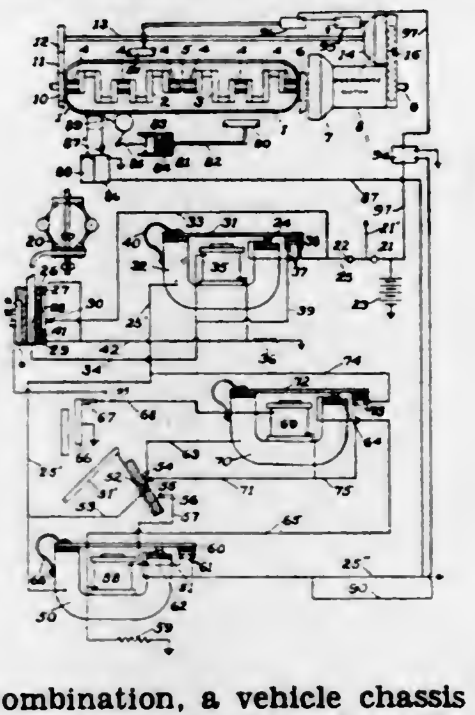
Frank H. Beall, Maplewood, N. J.
Application July 29, 1939, Serial No. 287,424
21 Claims. (Cl. 180—54)



20. In combination, a vehicle, an internal combustion engine, a manual control means therefor, a battery, a clutch and means for actuating said clutch into and out of engagement, said means including a spring and a solenoid, a circuit from said battery to said solenoid for its energization and automatic means for controlling the energization and deenergization of said circuit for controlling said actuating means, said automatic means including a relay switch in said circuit and a first control means for operating said relay on moving said manual control towards and away from full power position to cause clutch actuation, a second control to prevent clutch actuation by said first control above a predetermined maximum speed of an engine-driven element and a third control to prevent clutch actuation below a predetermined minimum speed of an engine-driven element whereby said first control can control the actuation of said clutch into and out of engagement only in a speed range of said maximum and said minimum.

2,419,811
DUAL ENGINE POWERED MOTOR VEHICLE AND CONTROL MECHANISM THEREFOR

Frank H. Beall, Detroit, Mich.
Application January 21, 1941, Serial No. 375,314
17 Claims. (Cl. 180—54)



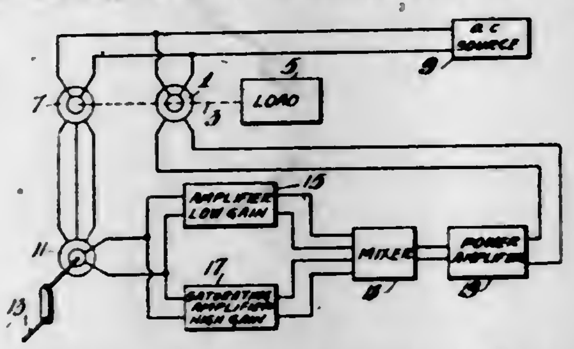
1. In combination, a vehicle chassis having a main engine, a control means therefor and propelling means, a secondary booster engine, a clutch for coupling it to the propelling means, a throttle, an ignition circuit, a starting circuit and starting means therefor, and automatic control means responsive to combined speed of a main engine-driven part and the position of said control means for simultaneously energizing said ignition and starting circuits to start the booster engine, open said throttle and engage said clutch, so that the booster engine assists the main engine in driving the vehicle and means connected with the booster throttle to operate said throttle in response to the operation of said main engine control means to continuously operate the booster throttle either towards the closed or open position as the main engine control means is moved towards no power or full power position and thereby continuously control the power output of the booster engine in accordance with the power output of the main engine.

2,419,812
SERVO MECHANISM CIRCUITS

Alda V. Bedford, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 31, 1943, Serial No. 481,256
2 Claims. (Cl. 172—239)

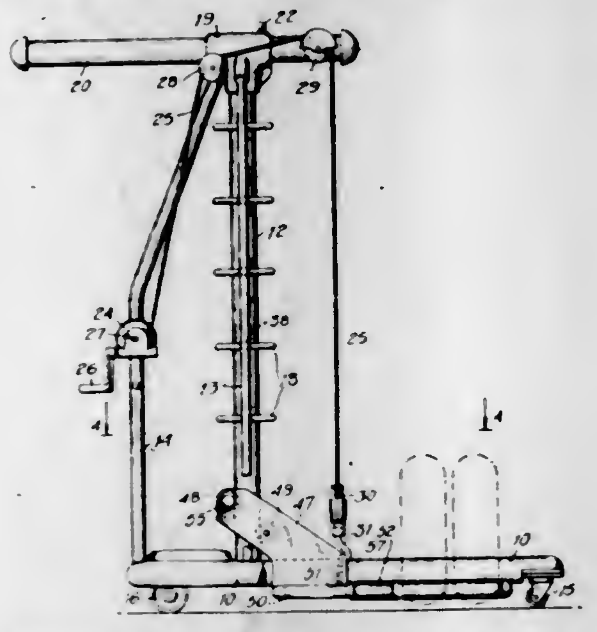
1. A motor control system including a source of control energy, an electric motor, an amplifier

connected between said source and said motor, and a second amplifier with its input and output circuits coupled to the input and output circuits respectively of said first amplifier, said first amplifier having a relatively large power output capability and relatively low gain and said second amplifier having relatively high gain and relatively low maximum power output capability, said second amplifier being arranged to saturate at a predetermined input level.



2,419,813
CRANE

Wallace William Berchtold, York, Pa., assignor to American Chain & Cable Company, Inc., Bridgeport, Conn., a corporation of New York
Application February 6, 1945, Serial No. 576,414
5 Claims. (Cl. 212—57)

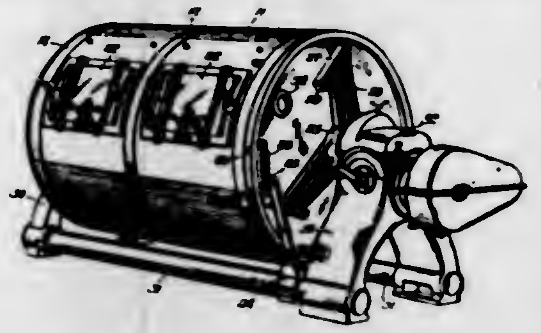


1. A crane comprising a frame including a vertical standard, a slide carried by the upper end of the frame, an arm carried by the slide and adjustable horizontally with respect thereto, hoisting means carried by the frame and arm, a bracket carried by the standard at the lower end thereof and movable thereupon, a wheel frame carried by the bracket to support a wheel thereon, means carried by the wheel frame for connection with the hoisting means.

2,419,814
RESILIENT CHURN SUPPORT

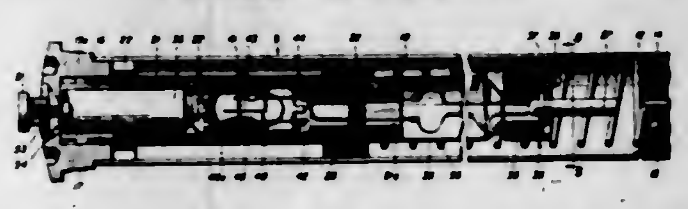
Arthur H. Boileau, Cedar Rapids, Iowa, assignor to Cherry-Burrell Corporation, Chicago, Ill., a corporation of Delaware
Original application January 3, 1939, Serial No. 249,056. Divided and this application February 24, 1944, Serial No. 523,753
4 Claims. (Cl. 259—81)

1. A churn and butterworker comprising a wooden drum and drum ends, rotatable supporting spiders supported on bearings and fixed to the drum ends of said drum and having resilient radially extending members adapted for flexing axially of said drum, said members being so constructed and arranged as to avoid undue strain on said supporting bearings by the swelling or distortion of the elements of the wooden churn drum incidental to the normal operation of the churn and butterworker.



2,419,815
WATER ARMED FUZE

George E. Breeze, Uncasville, Conn., and Godwin R. F. Gay, Garden City, N. Y.; said Breeze assignor of his right to the United States Government, as represented by the Secretary of the Navy
Application October 3, 1944, Serial No. 556,952
7 Claims. (Cl. 102—17)



5. A fuze comprising a housing having an opening, a booster in the housing, a detonator normally disposed in a safe position with respect to the booster, a piston in the housing operable by pressure fluid entering through said opening to move the detonator to an armed position with respect to the booster, a normally inactive sea battery carried by the piston and adapted to be activated by said pressure fluid, and a normally safe switch carried by the piston and movable to an armed position by operation of the piston for connecting the battery in circuit with the detonator.

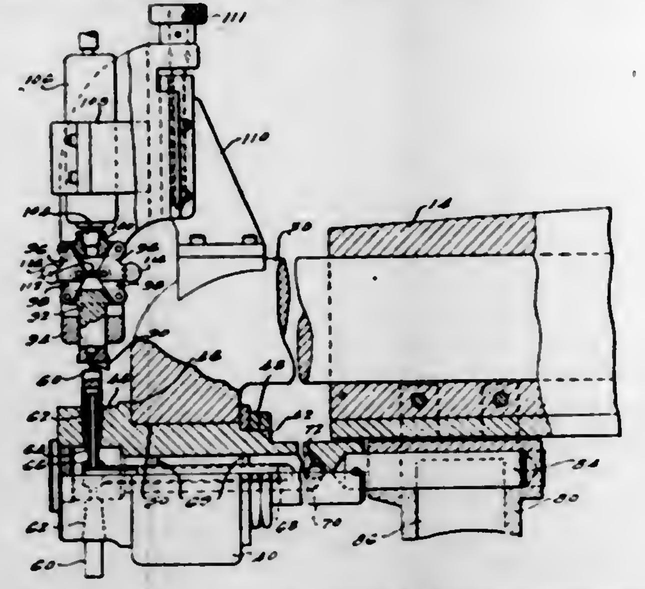
2,419,816
METHOD OF PREPARING AQUEOUS DISPERSIONS OF SYNTHETIC RESINS

Charles F. Brown, Middlebury, Conn., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application October 20, 1944, Serial No. 559,651
20 Claims. (Cl. 260—23)

1. The method of preparing an aqueous dispersion of synthetic resin selected from the group consisting of polyvinyl chloride, and copolymers of vinyl chloride and vinyl acetate, and alkyl methacrylate polymers, which comprises mixing with such synthetic resin a plasticizer therefor, a heat-reaction product, at a temperature in the range of between about 180° C. and 300° C., of a mix containing rosin, an alkanolamine, an alkylene glycol and a dimerized acid of a vegetable drying oil, and also mixing with the synthetic resin a hydrophilic colloidal dispersing agent selected from the group consisting of soaps, proteins, solubilized casein and colloidal clay, and adding water until an inversion of phase takes place.

2,419,817
WELDING MECHANISM

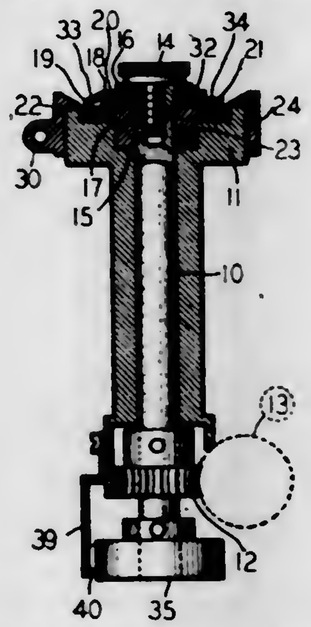
Charles Bruno, Highland Park, Mich.
Application September 13, 1943, Serial No. 502,085
5 Claims. (Cl. 219—4)



1. In a welder, an electrode supporting member having means adapting it to support a plurality of electrodes, said member being movable between a plurality of positions, each movement of said member from one said position to another being effective to move one electrode to a working position in which it can be engaged with work to be welded and to move another said electrode to a dressing position, and means carried by the welder at said dressing position for effecting a dressing operation on said another electrode said means including means engageable with an electrode at said dressing position.

2,419,818
MEASURING GAUGE FOR MACHINE TOOLS

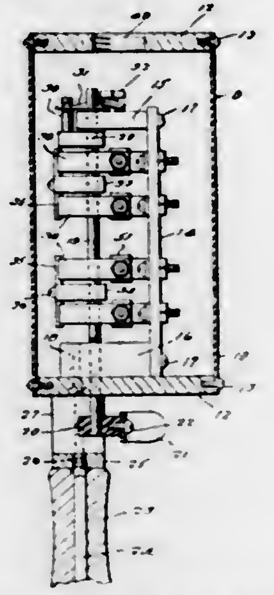
Walter Ervin Burton, Akron, Ohio
Application April 15, 1944, Serial No. 531,196
6 Claims. (Cl. 33—125)



2. A measuring gauge for lathes and other machines comprising a housing adapted to be mounted on a moving part of the machine and travel therewith, a shaft to which is affixed a gear wheel meshing with a driving means fixed to a stationary part of the machine, a dial mounted on said shaft and graduated to indicate units of measure and fractions thereof, an index mark being provided on said housing adjacent the peripheral edge of said dial, a knob affixed to the end of the shaft adjacent to the gear wheel, a brake comprising a spring and friction member engaging said knob for the purpose of introducing drag to keep the gear wheel and driving means in uniform contact.

2,419,819
CIRCUIT CONTROLLING DEVICE

Thaddeus W. Buslawski, Detroit, Mich.
Application July 29, 1944, Serial No. 547,250
5 Claims. (Cl. 200—6)



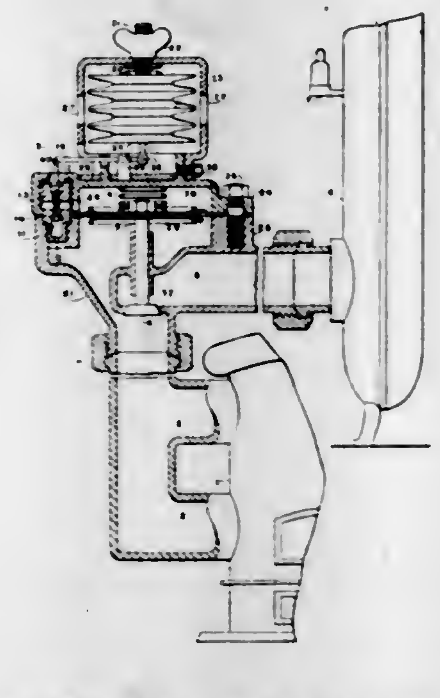
5. In a reversing switch for electric motors, a vertically elongated casing, a substantially U-shaped insulating support arranged within and rigidly secured at one end to the lower end of the casing, a vertical rock shaft journaled in the end portions of said support and projecting through the lower end of the casing, an actuating finger piece carried by the projecting end and projecting to opposite sides of the shaft, yieldable means acting to restrain rotation of the shaft in either direction, two opposed pairs of laterally yieldable contacts arranged at each side of the shaft, and two contacts bridging elements of elongated form mounted on and extending parallel with the shaft, one between and coacting with each pair of laterally yieldable contacts at one side of the shaft and the opposed pair of contacts disposed at the other side of said shaft, said yieldable means acting to normally disengage the bridging elements from the contacts and including an eccentric pin mounted on said shaft and a spring mounted on the upper end of said support and having ends engaging opposite sides of said pin.

2,419,820
AUTOMATIC HEAT REGULATOR

Milton E. Chandler, New Britain, Conn.
Application January 20, 1944, Serial No. 518,990
3 Claims. (Cl. 237—9)

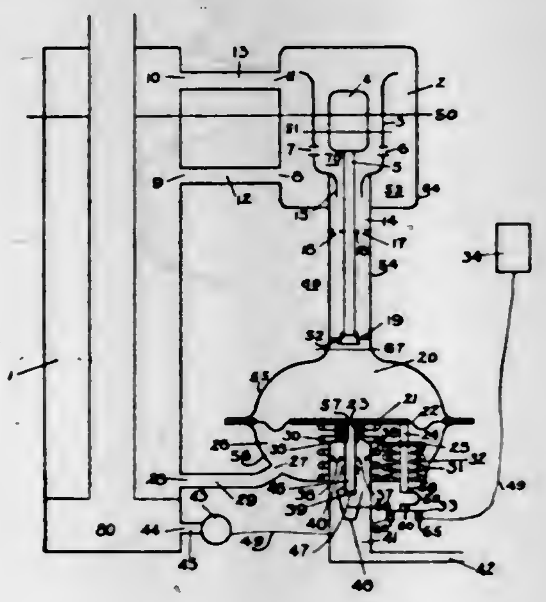
1. In combination, a steam generator, a steam supply line connecting said steam generator to a plurality of radiators, a mechanism for controlling the flow of steam to each radiator, comprising in combination a casing having an inlet and an outlet and a connecting passage therebetween, a main valve controlling said passage and moveable between open and closed positions, a pressure operated means comprising two chambers, a moveable wall separating said chambers for operating said valve, one chamber which is subjected to the pressure of the steam on the inlet side of said valve, a first passage connecting the second chamber to atmosphere, a second passage connecting the second chamber to the inlet, a spring urging said main valve to one extreme position, a pilot

valve means controlling said passageways directly connected to a temperature responsive means and moveable thereby between one end position wherein said first passage is open and said second passage is closed and an opposite end position



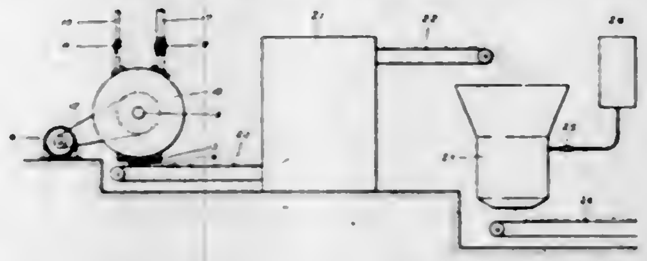
wherein said first passage is closed and said second passage is open, said pilot valve means being effective in intermediate positions thereof to open both passages and thereby admit steam to the atmosphere.

2,419,821
BOILER WATER FEEDER
Milton E. Chandler, New Britain, Conn.
Application March 10, 1944, Serial No. 525,816
3 Claims. (Cl. 122—448)



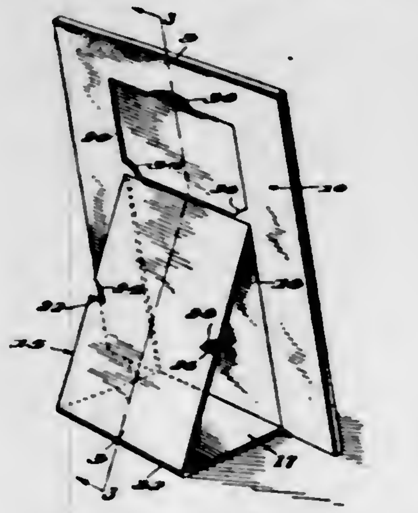
1. In combination, a boiler in which a given fluid level is normally maintained, a source of water under pressure, a chamber normally under water inlet pressure, a second chamber connected to the boiler, a third chamber connected to the boiler both above and below the normal water level, a water inlet valve to said second chamber controlled by the pressure in said first chamber, an outlet from said first chamber, connected to said third chamber and controlled by the level in said third chamber, an automatic boiler heater operated by an electric motor and switch for said motor, controlled by pressure in said first chamber.

2,419,822
METHOD OF TREATING EGGSHELLS TO PRODUCE A PURIFIED CALCIUM CARBONATE
Mario Contesso, Astoria, Long Island, N. Y.
Application March 29, 1944, Serial No. 528,648
1 Claim. (Cl. 23—66)



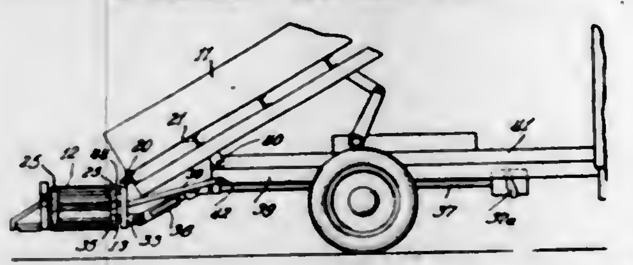
The method of treating egg shells having albumen and other impurities adhering thereto consisting in placing the shells in a drum having internal blades, admitting hot water into the drum, revolving the drum to crush and wash the shells, then stopping the drum and draining the water and impurities therefrom, then closing the drum and again revolving same, then admitting hot air to the drum while revolving, then stopping the drum and removing the crushed shell therefrom, then further drying the shells and finally grinding same while subjected to the action of oxygen to produce a very dry finely pulverized bacteria-free product.

2,419,823
PICTURE FRAME WITH SUPPORT
Carroll N. Cross and Gordon E. Nichols, Middleboro, Mass.
Application July 14, 1944, Serial No. 544,922
7 Claims. (Cl. 40—152.1)



5. In a display mount or the like, a front member, a back member superimposed on and covering the rear surface of said front member, a mount supporting element formed in said back member and adapted to lie wholly within the plane thereof when in inoperative position, said supporting element comprising a mount supporting portion adapted to be moved into mount supporting position and a free end portion, a tongue hinged at one end to said mount and at the other end thereof to said supporting element at a point remote from the free end portion of said element whereby the free end of said supporting element may be moved longitudinally with respect to said back member during movement into mount supporting position, and an abutment formed in and lying in the plane of said back member for engaging the free end of said supporting element when said element is moved to mount supporting position.

2,419,824
MATERIAL UNLOADING AND CONVEYING MECHANISM FOR TRUCKS
Joseph W. Davis, Bloomington, Ill.
Application January 17, 1946, Serial No. 641,691
4 Claims. (Cl. 214—83)

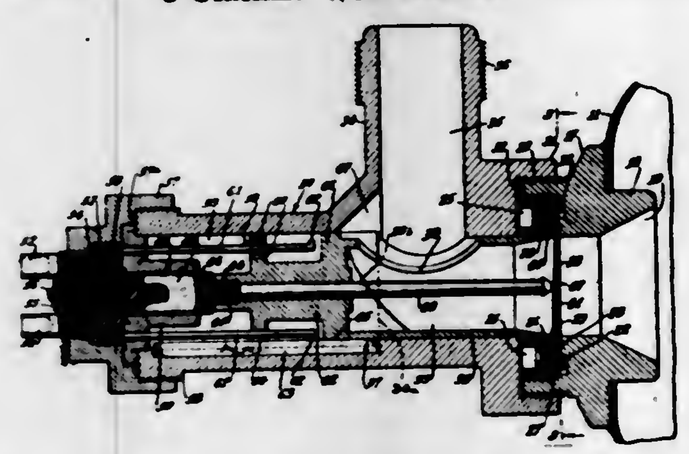


1. In a material hauling truck having a tiltable body, an unloading conveyor extending transversely of the rear of the body and spaced connections between said conveyor and truck adapted to maintain said conveyor at an inclination to said body when the same is in normal position and in horizontal position when said body is tilted to unloading position.

2,419,825
COMPENSATING SPRING AND ALLOY FOR TIMEPIECES
Samuel Dinerstein, Delavan, Wis., assignor, by mesne assignments, to George W. Borg Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application December 8, 1941, Serial No. 422,085
9 Claims. (Cl. 75—128)

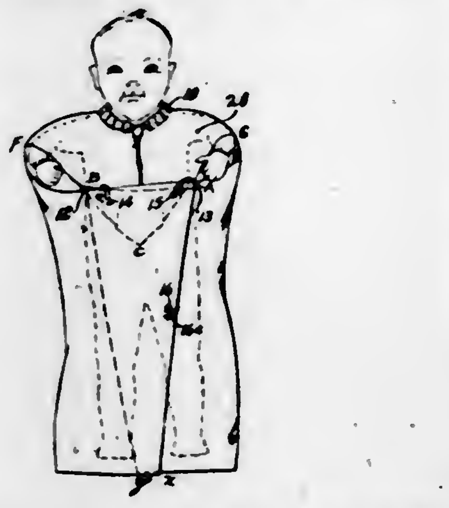
8. An alloy for use in the manufacture of hairsprings having a substantially constant modulus of elasticity over a temperature range of more than 100° F., the lower limit of said range being below 0° F., said alloy containing 30 to 40 per cent nickel, 5 to 10 per cent chromium, .2 to 3 per cent manganese, .2 to 1 per cent silicon, .2 to 1 per cent of a metal from the group of metals which includes tungsten and molybdenum, .04 to .06 per cent of carbon, and .2 to 1 per cent of a precipitation hardening agent from the group comprising beryllium, aluminum, zirconium and titanium, and the balance being substantially all iron.

2,419,826
EXPLOSIVELY OPERATED SHEARING DEVICE FOR FRANGIBLE CLOSURE DISCS OF PRESSURE FLUID CONTAINERS
Frederick A. Dodelin, Glen Ridge, and Peter Graham MacGregor, Pequannock, N. J., assignors to Pyrene Manufacturing Company, Newark, N. J., a corporation of Delaware
Application November 7, 1944, Serial No. 562,300
3 Claims. (Cl. 222—5)



3. A closure for an opening in a container adapted to retain a fluid under high pressure which comprises a shearable sealing disc, means for retaining said disc in fluidtight relation to said opening, a discharge member secured to said container, said member having an enclosed chamber alined with said opening and a laterally projecting outlet branch communicating with said chamber, a reciprocable shearing member mounted within said chamber adapted to shear a section from said sealing disc, said shearing member having a head with a main body portion forming a piston within said chamber, a laterally extending flange spaced from said main body portion and of substantially the same diameter as said portion, said flange and main body portion forming a circumferentially extending pocket therebetween, said flange having at least one passage therethrough for placing said pocket in communication with said chamber, explosive means for generating gases within said chamber to propel said shearing member, said pocket being placed in communication with said outlet branch when said shearing member is so propelled, and means cooperating with said flange for limiting the movement of said shearing member.

2,419,827
GARMENT
Agnes Alice Elkins, Elyria, Ohio
Application April 20, 1945, Serial No. 589,302
3 Claims. (Cl. 2—69.5)

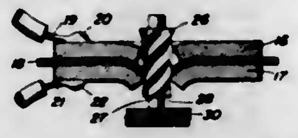


1. A one-piece garment adapted to be wrapped about an infant or small child, said garment comprising a isosceles triangular portion and a main body portion, said portions being integrally formed, the triangular portion having a neck opening disposed therein, the said triangular portion adapted to be folded upon itself to form a covering for the upper back, shoulders, arms and chest of the said infant or child, the said fold being made along a line parallel with the base of said triangle and at slightly more than one-half the altitude thereof, each of the folded and unfolded side portions of the triangle forming the unitary shoulder and arm coverings and the apex and remaining center portions of the triangle forming the chest and upper back covering, the head of the child being projected through the neck opening, a pair of spaced fasteners on one of the unfolded sides of the triangle, a main body portion integrally formed with said triangular portion and being generally of rectangular form, the sides of said body portion meeting the equisides of the triangle and the upper base thereof forming the lower base of the triangle, a second fastener disposed intermediate the one side edge of the body portion contiguous to the side of the triangle carrying the pair of fasteners, the side of the garment comprising the side edges of the triangle and rectangle carrying the fasteners adapted to be overlapped over the opposite

side of said garment and said fasteners adapted to be secured to the overlapped opposite side and to said folded triangular portion forming the chest covering.

2,419,828
SETBACK SWITCH

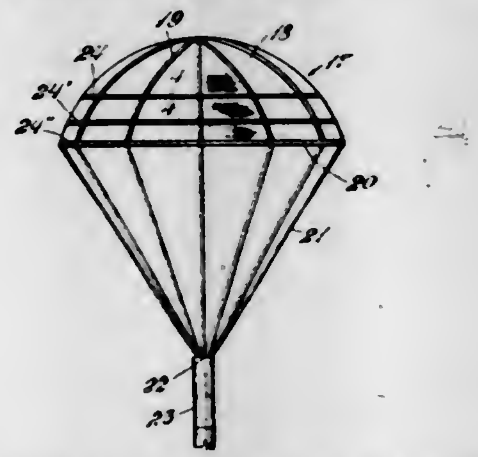
Robert G. Ferris, Harvard, Ill., assignor to the United States of America as represented by the Secretary of Navy
Application March 17, 1943, Serial No. 479,517
8 Claims. (Cl. 200—52)



1. A setback operated switch comprising two electrically conducting discs, a frangible insulating disc between said conducting discs, and piercing means having a periphery of irregular configuration and movable by setback to pierce said discs and form an electrically conducting connection between the conducting discs.

2,419,829
WOVEN FABRIC REINFORCEMENT

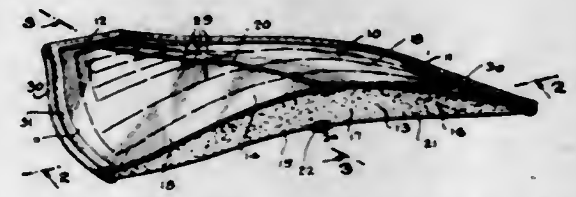
Freeman W. Fraim, West Barrington, R. I., assignor to International Braid Company, a corporation of Massachusetts
Application May 13, 1944, Serial No. 535,421
8 Claims. (Cl. 244—145)



8. A parachute having a canopy of woven fabric with circular reinforcing cords sewed thereto, said canopy and cords both having the same elongation in the direction of said cords from a certain tautness to rupture and an axial member in said cord controlling the stretch of said cord at said tautness.

2,419,830
SHOULDER PAD

Bernard Freeman, Philadelphia, Pa.
Application October 8, 1945, Serial No. 620,961
5 Claims. (Cl. 2—268)



1. A shoulder pad of the character described comprising a padded body member generally triangular in outline and of gradually increasing thickness inwardly from each of the lateral edges toward the longitudinal median line thereof as well as outwardly from the rear edge thereof, said body member including top and bottom surface coverings, a resilient filling material interposed therebetween and a form-retaining member of relatively stiff material disposed immediately beneath the top surface covering, said last-mentioned member being centrally slit in its rear end to provide a pair of co-planar portions adapted to be spread apart to elevate the frontal or outer end of the padded body member above the plane of the relatively thin lateral and rear edges of the pad.

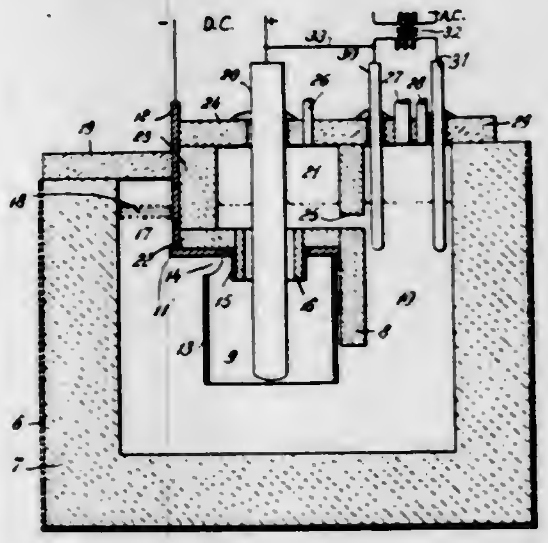
2,419,831
AMIDIZATION OF PYRIDINE MONOCARBOXYLIC ACIDS

Paul W. Garbo, Chicago, Ill.
No Drawing. Application December 31, 1942, Serial No. 470,817
8 Claims. (Cl. 260—295.5)

1. The process for the amidization of pyridine monocarboxylic acid compounds of the class consisting of pyridine monocarboxylic acids and their ammonium salts, which comprises reacting a said compound with urea in the proportions of about 2 mols of urea for each mol of said compound in the presence of a catalyst containing an element selected from groups V and VI of the Mendeleeff periodic system and having an atomic number between 15 and 92, inclusive, and recovering thus produced amide from the resulting reaction mass.

2,419,832
ELECTROLYTIC CELLS

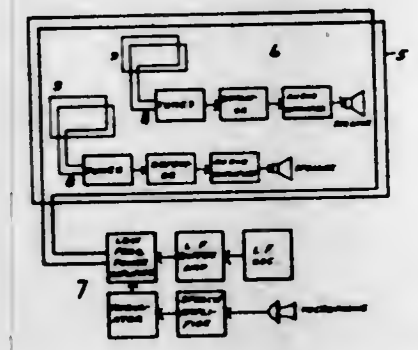
William C. Gardiner, Niagara Falls, N. Y., assignor to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia
Application March 14, 1942, Serial No. 434,751
2 Claims. (Cl. 204—231)



1. In cells for the production of magnesium by electrolysis of a magnesium chloride fusion to which magnesium chloride is supplied as a hydrous salt, comprising an electrolysis compartment and a feed compartment from which fused electrolyte circulates to and through the electrolysis compartment and back to the feed compartment and to which the hydrous salt is supplied and an anode and a cathode in the electrolysis compartment, the improvement which comprises an electrode in the feed compartment, and means for passing an alternating current through said electrode and the electrolyte in the feed compartment in which it is immersed, said means comprising an electrical connection between said electrode and said anode rendering the electrode anodic with respect to the electrolyte.

2,419,833
ANTENNA ARRANGEMENT FOR INDUCTION COMMUNICATION SYSTEMS

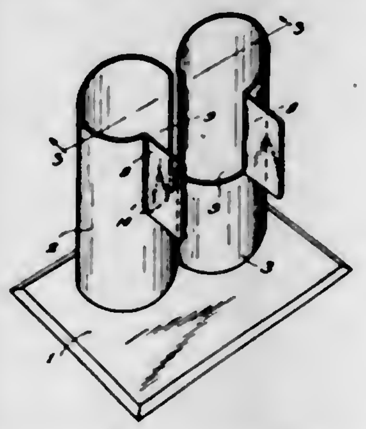
Harlan E. Grimes, Bromley, Ky.
Application December 12, 1945, Serial No. 634,553
1 Claim. (Cl. 179—82)



In a communication system, a plurality of vertical axis stationary loops surrounding a plurality of separated inhabited areas, the conductors of each loop being serially connected with the conductors of each other loop by wires lying so close to one another as to constitute a non-inductive connection between the loops, one or more vertical axis loops within each of the interconnected loops, transmitter mechanism associated with certain of the smaller loops for producing an inductive field within one of the larger loops and receiver mechanism associated with certain of the smaller loops to receive inductive energy from the larger loops.

2,419,834
RABBIT FEEDER

Ray A. Grindstaff, Spokane, Wash.
Application September 4, 1945, Serial No. 614,251
7 Claims. (Cl. 119—51.5)

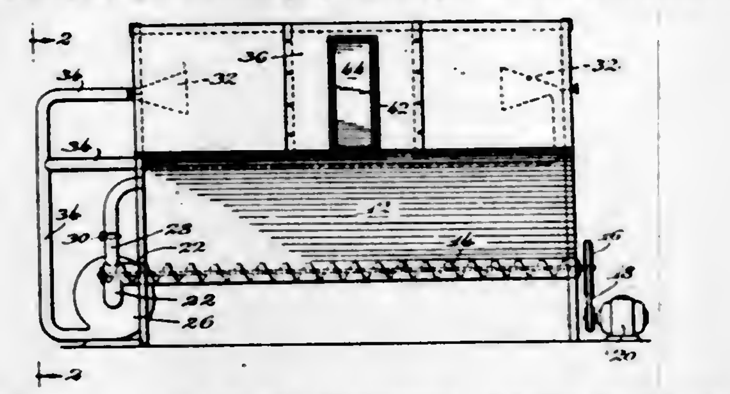


5. A device of the character described comprising containers in side by side relation to each other and each having a bottom and upstanding walls, confronting side portions of walls of the containers being formed with side openings, wings projecting forwardly from front side edges of said openings, and means for releasably holding said containers together.

2,419,835
FLOCKING APPARATUS

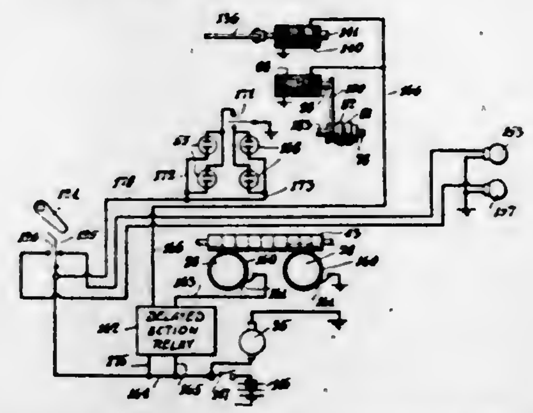
Dwight Hester, Chicago, Ill.
Application August 20, 1942, Serial No. 455,524
7 Claims. (Cl. 91—8)

1. In a flocking apparatus, means forming a flocking chamber, pneumatic means for blowing streams of air and flock into said chamber, means for conveying air and flock from said chamber to said pneumatic means, breather means provided for said flocking chamber for permitting passage of air and preventing a passage of flock therethrough, and article conveying means movable through the path of said streams of air and flock.



2,419,836
DOCUMENT OPERATED SWITCH FOR PHOTOGRAPHIC COPYING CAMERAS

John K. Holbrook, New York, N. Y., assignor to Holbrook Microfilming Service Inc., New York, N. Y., a corporation of Delaware
Application April 13, 1944, Serial No. 530,863
1 Claim. (Cl. 88—24)

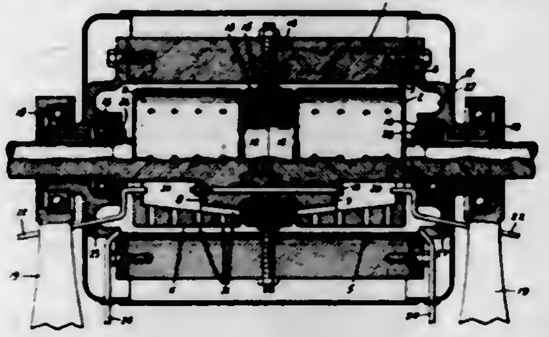


In a control means for a photographic copying apparatus having shutter and film drive controlling solenoids and document feeding means the combination of a driven roller having a pair of electricity conducting circumferential spaced apart rings contacting a second roller having a circumferential electric conducting surface between said rings, said rollers forming a part of said document feeding means, a delayed action relay, an electric power source, and electric circuit means interconnecting the power source, relay, rings, surface and solenoids so that the solenoids are energized upon breaking contact between either of said rings and said surface and energization of said solenoids is maintained for a predetermined time after contact of both rings with said surface is reestablished.

2,419,837
DYNAMOELECTRIC MACHINE

Adolph C. Hugin, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 16, 1944, Serial No. 558,806
13 Claims. (Cl. 188—104)

1. A dynamoelectric machine including outer and inner relatively rotatable members with cores of magnetic material, means for rotatably supporting each of said relatively rotatable members, one of said members having a toothed portion with teeth each extending adjacent the adjacent surface of the other of said members, means including non-magnetic material fillers in the spaces between said teeth for providing a substantially smooth cylindrical surface adjacent



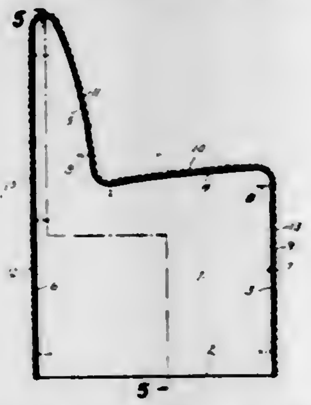
said other member, said other member having a substantially smooth cylindrical surface adjacent said toothed member and providing an air gap therebetween, means for magnetically exciting said cores of said members, means for supplying cooling fluid to said air gap, means for exhausting said cooling fluid from said machine, and means including a low electrical resistance material impregnated into the substantially smooth cylindrical surface of said other member for rust-proofing said surface.

2,419,838
NESTING CHAIR

Robert H. James, South Euclid, Ohio, assignor, by mesne assignments, to A. M. Albert

Application December 15, 1941, Serial No. 423,092

14 Claims. (Cl. 155—2)



11. A chair in the form of a hollow downwardly open shell comprising a front wall, a seat wall, a back-rest wall, a back wall spaced from the back-rest wall, a top wall extending from the top of the back-rest wall to the top of the back wall, and opposite spaced apart side walls; the front wall, seat wall, back-rest wall, top wall, and back wall terminating transversely at the opposite side walls and secured thereto and the side walls terminating upwardly at the top wall and seat wall and terminating forwardly and rearwardly at the back wall, back-rest wall, and front wall; the hollow interior being of substantially the same form as the exterior and providing a transversely unobstructed interior space whereby the chair may be telescoped over and nested with a like chair of similar external form but of smaller transverse dimensions.

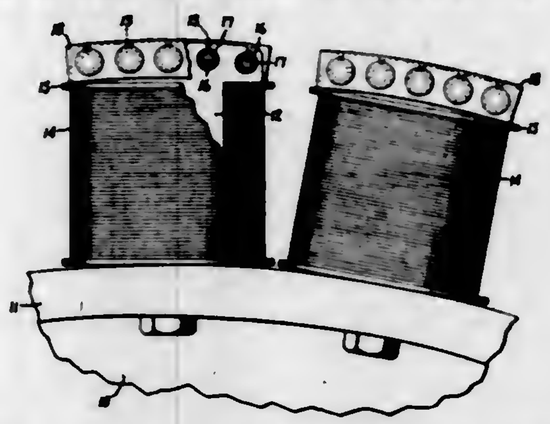
2,419,839
DAMPER WINDING FOR SYNCHRONOUS MACHINES

Charles E. Kilbourne, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application October 23, 1943, Serial No. 507,390

6 Claims. (Cl. 171—252)

1. A damping winding for a dynamoelectric machine including conductors formed of a relatively high resistance non-magnetic iron alloy with a relatively low resistance electrically conductive material intimately bonded to the outer surface of said iron alloy to provide the desired resultant electrical resistance to said conductors, and means for electrically connecting together said conductors to complete said winding.

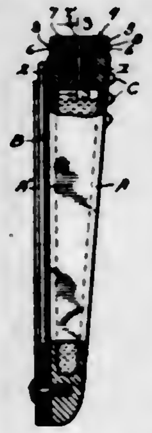


2,419,840
STOPPER VALVE FOR FLUID CONTAINERS

Charles T. La Mont, Milwaukee, Wis.

Application November 13, 1944, Serial No. 563,269

1 Claim. (Cl. 251—53)



In a container for pocket use, a stopper therefor comprising a threaded apertured plug, an enlarged cap forming part of the plug having a grooved channel extending crosswise thereof terminating with end recesses, an apertured flat slidable plate fitted into the grooved channel having companion down-turned tongues encased within the cap end recesses, the sliding movement of said plate tongues being confined within the cap recesses, whereby exposed projections from the cap are eliminated.

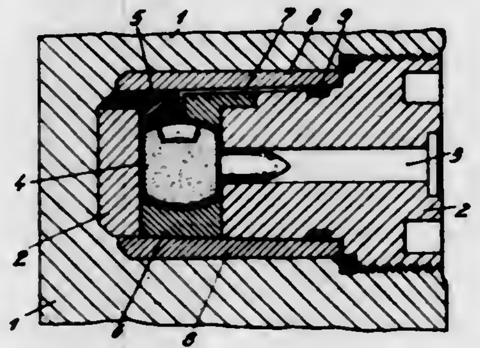
2,419,841
GUN PERFORATOR FOR OIL WELL CASINGS

Walter Lampel and Richard Hörndlein, Furth, Germany; vested in the Attorney General of the United States

Application December 18, 1939, Serial No. 309,858

In Germany May 17, 1939

2 Claims. (Cl. 89—1)



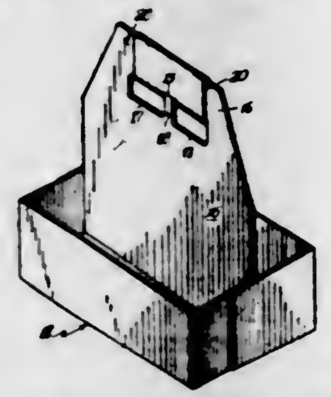
1. In a device of the character described, a sinking member having a screw-threaded opening, a gun body screw-threaded into said opening and having a longitudinal projectile bore and a transverse bore at one end of said longitudinal bore, a powder casing in said transverse bore, opposite separable pieces extending into said transverse bore and holding said powder casing in position, and an inwardly tapered sleeve engaging said gun body, pieces and the inner wall of said opening for forming a tight fit between the parts.

2,419,842
HANDLE ACCESSORY FOR CONTAINERS

Samuel N. Lebold, Chicago, Ill., assignor to Morris Paper Mills, Chicago, Ill., a corporation of Illinois.

Application March 5, 1945, Serial No. 581,099

6 Claims. (Cl. 224—45)



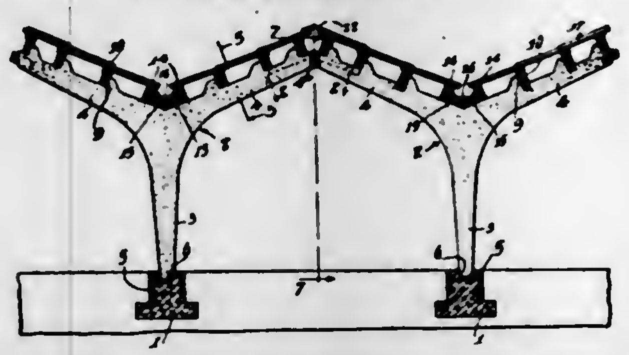
1. The combination of an article carrying container having extension panels upwardly projecting above the center of said container with openings therein to provide a handle member, with a handle construction of substantially rigid material and being removably mounted upon the handle member, said construction having a lower edge portion extending through said opening and abutting a bottom section of said handle member and an intermediate portion of said construction lying against a side section of said handle portion to reinforce the same and holding said panels in locked position, and an upper longitudinal edge portion of said construction extending over a top section of said handle member thereby to hold said construction in position on said handle member.

2,419,843
BUILDING CONSTRUCTION

Elmer W. Marten, Seattle, Wash.

Application December 9, 1944. Serial No. 567,486

14 Claims. (Cl. 108—1)



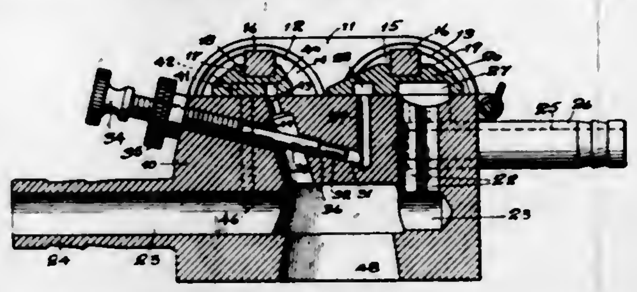
12. A building construction, comprising: a plurality of precast arch members, the extremities of each arch member defining the apexes of a triangle symmetrical about a vertical axis with one apex directed downward; journal elements at each of the apexes defining extremities of said arch member; a foundation member supporting each arch member by its downwardly directed extremity, each foundation member including a journal element mating with the journal element of said extremity to afford pivotal support for said arch member; the remaining extremities of said arch members adapted to be pivotally connected together in end-to-end relationship.

2,419,844
MILKING MACHINE PULSATOR

Herbert A. McArthur, Libertyville, and John B. Decker, Evanston, Ill., assignors, by mesne assignments, to Robert Crown, Evanston, Ill.

Application April 21, 1944, Serial No. 532,178

5 Claims. (Cl. 31—62)



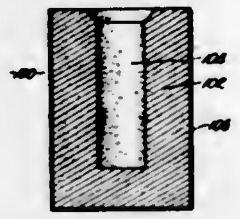
1. A milking machine pulsator having a hose receiving nipple at one end and a regulating screw at the opposite end and between the two a pneumatic operating mechanism adjacent the nipple and a pneumating timing mechanism adjacent the regulating screw, each of said mechanisms including separate valve means operated thereby, ports controlled by valve means of the timing mechanism and controlling the other mechanism, ports controlled by the valve means of the operating mechanism and controlling the application of vacuum to said hose receiving nipple and an air passageway also controlled by the same last mentioned valve means for controlling the timing mechanism, a bore below the valve means of the timing mechanism and extending from a side of the pulsator opposite that from which the nipple extends, to and intersecting said air passageway, said bore being tapped and said regulating screw being threaded therein with the engaged threads extending below the valve means of the timing mechanism, said regulating screw extending past said timing mechanism to said air passageway and controlling the rate of air flow therethrough for controlling the speed of the timing mechanism.

2,419,845
CHEMICAL CARTRIDGE AND APPLICATOR THEREFOR

Layton Thomas Merrick, Kansas City, Mo., assignor of one-half to Newman Manufacturing Company, a corporation of Kansas

Application May 20, 1944, Serial No. 536,637

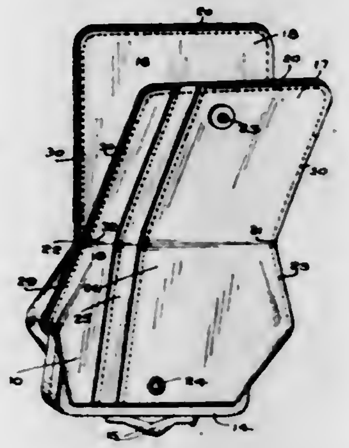
2 Claims. (Cl. 299—84)



2. As a new article of manufacture, a cartridge for use with a tube having radial perforations, comprising a body of water dispersible substance having an axial cavity extending thereinto from one end thereof to receive the tube; and a protective coating of water insoluble substance over the outer surfaces of the body to confine dispersion of the substance to the surfaces formed by the cavity, the thickness of the body being uniform throughout.

2,419,846
COMBINED POCKETBOOK AND ACCESSORY CASE

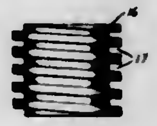
Frederick O. Merz, Philadelphia, Pa., assignor to F. O. Merz & Company, Philadelphia, Pa., a partnership composed of F. O. Merz, Charlotte H. Merz, and H. W. Baumann
Application October 19, 1946, Serial No. 704,451
3 Claims. (Cl. 150—35)



1. A pocketbook of the character described comprising a pair of overlying rectangular-shaped panels coextensive in size and shape, a purse unit disposed between the upper half portions of said overlying panels, said purse unit including a pair of hinged mouth-forming frame members and a single panel secured thereto in folded relation to provide an article-receiving pocket, the marginal edges of the upper half portions of said overlying panels being also secured to said frame members whereby said article-receiving pocket is embraced between said upper half portions of the overlying panels, and an independent panel coextensive in size and shape with the combined size and shape of the lower half portions of said overlying panels, said independent panel being folded upon itself for disposition between said lower half portions of said overlying panels with the fold thereof closely adjacent the bottom fold of said pocket-forming panel, said independent panel being secured to the lower half portions of the overlying panels by a continuous line of stitching extending about the perimetral margin of said independent panel whereby to provide conjointly with said lower half portions of the overlying panels a pair of leaves each swingable relatively to said purse unit substantially about the fold line of said independent panel.

2,419,847
POWDERED IRON MAGNETIC CORE

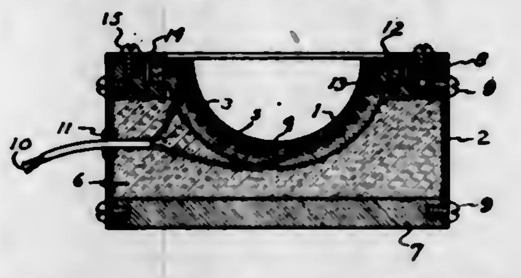
Armin F. Mittermaier, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application June 2, 1944, Serial No. 538,482
6 Claims. (Cl. 175—21)



1. A mechanically strong uncompressed magnetic core material comprising particles of powdered magnetic material bonded together by a polymerized alcohol ester of carboxylic acid.

2,419,848
ELECTRICAL HEATER AND METHOD OF MANUFACTURING IT

Glen H. Morey, Terre Haute, Ind.
Application April 28, 1945, Serial No. 590,845
12 Claims. (Cl. 219—38)

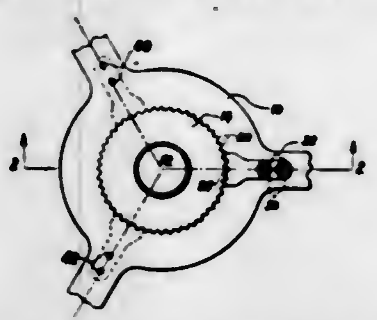


1. A permanently shaped sectional heater which comprises a supporting shell, a heat-resistant non-conductor supported thereby, a plurality of refractory spacing members embedded therein sufficiently to be supported thereby and maintained in position so that the heating element, below set forth, is maintained by the spacing members in non-shorting relation according to a predetermined pattern, and a resistance heating element, said element being supported and maintained in position by said spacing members in such a manner that contact of the element with the article to be heated cannot occur.

5. A method of manufacturing a rigid heater permanently shaped to conform substantially in size and outline to an article to be heated, comprising attaching spacing members and a resistance heating element to a form conforming approximately in size and shape to that part of the article to be heated so that the heating element is held by the spacing members in spaced relationship to the form, and in non-shorting relationship, embedding the spacing members and heating element in a refractory supporting material to such an extent that direct contact with said heating element and an article to be heated cannot occur when the heater is applied to the article, leaving connecting leads exposed, and hardening said refractory material.

2,419,849
NUT LOCK

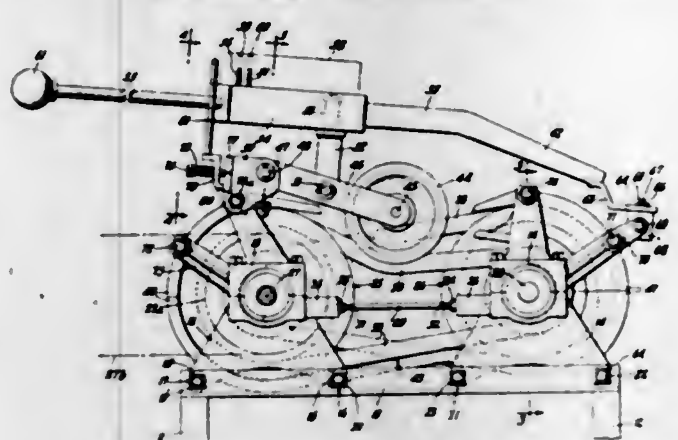
Charles L. Morris, Stratford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application March 27, 1945, Serial No. 585,062
7 Claims. (Cl. 287—53)



7. In combination, a rotatable shaft, a member mounted upon said shaft in nonrotatable relationship thereto, a threaded portion upon said shaft, a nut cooperable with said portion for securing said member in place, said nut having knurling on the outside thereof, a selectively positioned keeper having knurls for registry with said knurling, and means for securing said keeper with respect to said shaft, said means being spaced around said shaft to afford a different degree of registry of the knurls and knurling depending upon the position of said keeper with respect to said shaft.

2,419,850
VARIABLE SPEED POWER TRANSMISSION

Wendell P. Norton, Torrington, Conn.
Application February 29, 1944, Serial No. 524,352
12 Claims. (Cl. 74—217)



1. In a variable speed power transmission, a frame, a set of constantly-rotated stepped cones, an opposed set of stepped driven cones parallel to said first set, a set of guard casings embracing said first set of stepped cones and spaced from said cones, a second set of guard casings embracing said second set of stepped cones and spaced therefrom, a set of parallel spaced endless belts, one of which is located in alignment with each pair of aligned cone steps, said belts having sufficient stiffness and resiliency to normally press outwardly and engage the inner surfaces of said casings when out of use, an idler pulley, and an elongated manually-operated shifting lever pivoted on said frame and connected to said idler pulley to slide it laterally into alignment with any one of said belts and then move it downwardly to force said aligned belt into engagement with the associated pulleys on said stepped cones.

2,419,851
STABILIZED COLORED SMOKE COMPOSITION

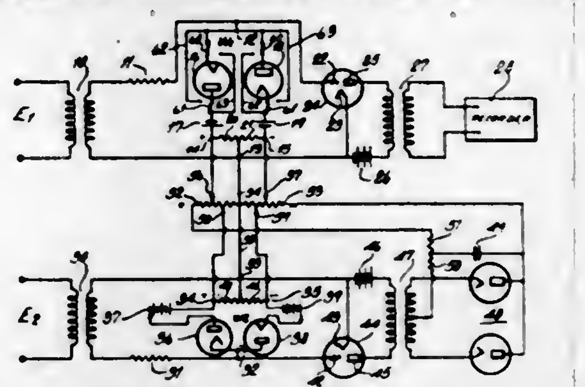
John W. Orelup, Short Hills, N. J.
No Drawing. Application March 24, 1944, Serial No. 527,957
3 Claims. (Cl. 52—23)

1. A composition for the production of colored smokes for signals and the like, comprising a mixture of an organic dyestuff, an ignitable heat producing compound which may be incorporated with the dyestuff in such composition, and when ignited will be consumed and volatilize the dyestuff so as to produce a colored smoke, and urea for stabilizing the combustion.

2,419,852
APPARATUS FOR MEASURING THE RATIO OR PRODUCT OF TWO ALTERNATING VOLTAGES

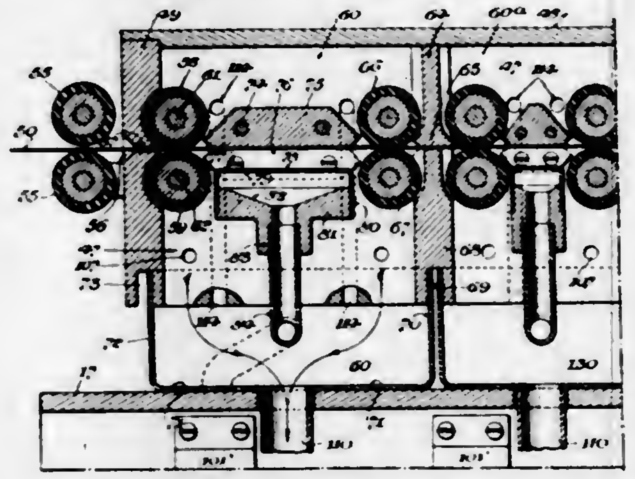
John E. Owen, Tulsa, Okla., assignor to Geophysical Research Corporation, New York, N. Y., a corporation of New Jersey
Application February 19, 1944, Serial No. 523,023
20 Claims. (Cl. 171—95)

1. Apparatus for measuring the ratio or product of two independent alternating current voltages comprising a first and a second alternating current voltage attenuator controlled by impressing direct current voltage thereon and having direct current voltage input terminals, means for impressing one of said independent voltages only upon said first attenuator, means for impressing the other of said independent voltages only upon said second attenuator, voltage-responsive means connected to the output of said first attenuator, a vacuum tube amplifier connected to the output of said second attenuator, means for rectifying at least a part of the output of said amplifier and supplying direct current voltage thus obtained to said input terminals of each attenuator.



2,419,853
PHOTOGRAPHIC FILM DEVELOPING APPARATUS

Stanley J. Pask, Long Island City, N. Y., assignor to Grant Photo Products, Inc., New York, N. Y., a corporation of Delaware
Application August 31, 1944, Serial No. 552,081
7 Claims. (Cl. 95—94)

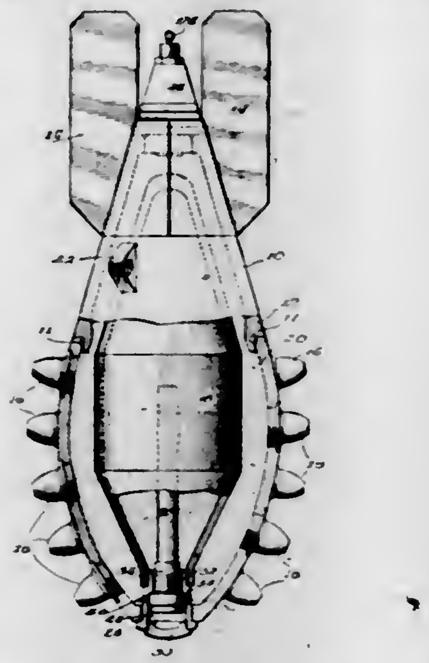


1. A film developing apparatus having a stand, a series of tanks in the base thereof, each tank containing a different developing solution, means for continuously advancing a film in a straight path, the film being flat and its face directed downwardly, an elongated receptacle for each solution having perforations in its cover directly below the film, tubular connections between each tank and its corresponding receptacle, a pump in each connection, a guard over the film at the passage over the receptacle, means to collect and return excess solutions to said tanks comprising feed rolls adjacent the partitions between the tanks, and means for rinsing the film after each application of the solutions.

2,419,854
BOMB

Richard A. Peterson, Chicago, Ill.
Application September 27, 1941, Serial No. 412,535
1 Claim. (Cl. 102—2)

An aerial bomb for attacking aircraft in flight, comprising, an external frangible casing of generally streamlined shape and having fins attached thereto, a plurality of explosive projectiles secured to said casing and projecting therefrom in various directions, a timing fuse secured at the tail end of the external casing, an inner casing secured to the nose end of said external casing and spaced therefrom, a propellant charge for the projectiles packed in the space between said casings and arranged to be ignited by said time fuse, a high explosive charge within said inner casing, a detonator and booster charge for said high explosive charge, and a firing pin mechanism for said detonator comprising: a cylinder having one end thereof arranged to be subjected to the pressure generated by said propelling charge, a piston movable in the cylinder and carrying a firing pin, and yieldable means for holding said piston against movement, said means yielding to permit movement of the piston and firing pin when the piston is subjected to the pressure of the exploding propelling charge.



2,419,855

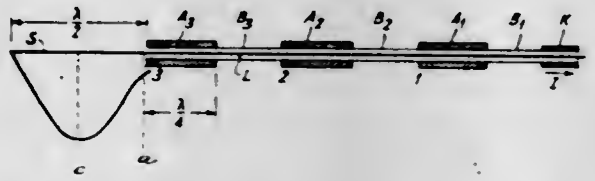
ARRANGEMENT ADAPTED TO SUPPRESS RADIO FREQUENCY CURRENTS ON CONDUCTORS

Hans Otto Roosenstein, Berlin, Germany; vested in the Attorney General of the United States

Application October 17, 1940, Serial No. 361,564

In Germany June 22, 1939

3 Claims. (Cl. 178—44)



1. An arrangement for suppressing the flow of radio frequency energy along a conductor in which said conductor is divided into a series of sections, each having a length equal to an odd multiple of a quarter of the operating wavelength, the outside diameter of said sections so varying that the surge impedance of each section so differs from that of adjacent sections that a maximum reflection of energy occurs at each junction between sections.

2,419,856

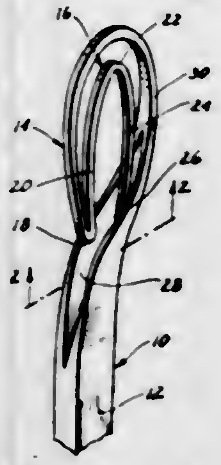
KNITTING MACHINE AND NEEDLE THEREFOR

Alvin Schwartz, New York, N. Y.

Application September 10, 1945, Serial No. 615,270

8 Claims. (Cl. 66—86)

1. A needle for a warp knitting machine, said needle having a spring-beard and a beard-closing member operable by the tension thereon of the thread supplied to the needle from the thread-guide of the machine for closing the beard for the stitching-casting off operation, said member being in fixed relation to said beard and having a part spaced laterally of the beard and extending longitudinally of the upper beard-confronting part of the needle to a point near the opening between the lower end of the beard and the shank of the needle.



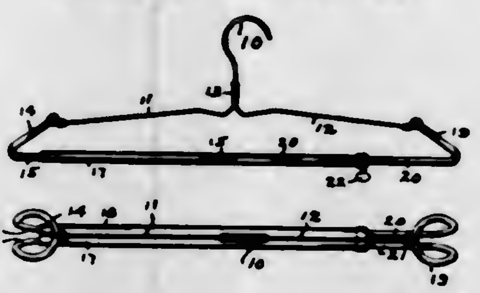
2,419,857

GARMENT HANGER

Ivan F. Stalcup, Bloomfield, Ind.

Application December 13, 1944, Serial No. 567,978

2 Claims. (Cl. 223—96)



1. A garment hanger comprising a hanger hook; a pair of arms each oppositely extending from the hook; a substantially U-shaped spring attached to each of said arms by the cross member between the legs of the spring, said legs sloping outwardly and downwardly, and bending back below said cross member directly into horizontally disposed positions to converge one toward the other to leave a V entrance therebetween in said horizontally disposed positions; and a straight line member interconnecting each pair of opposing legs; said straight members being elastically urged one against the other by said springs; said arms being elastic and normally sloping outwardly and downwardly whereby said spring members may be yieldingly, variably spaced, one from the other; and said legs and said straight line members being formed to have said interconnection be extensible and retractible.

2,419,858

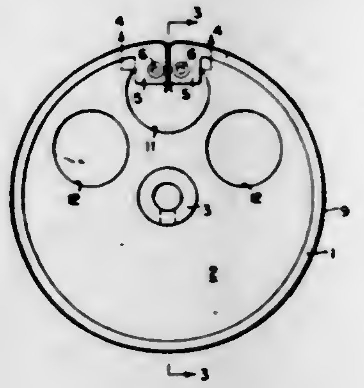
SANDING DRUM

Gene V. Taber, Moline, Ill.

Application July 24, 1945, Serial No. 606,769

4 Claims. (Cl. 51—194)

1. A sanding drum comprising a pulley provided with a smooth substantially cylindrical face, said pulley having pairs of closely adjacent lugs, rollers mounted between said lugs with adjacent faces substantially in engagement, and screws passing through said lugs from opposite sides of the pulley and into the rollers, said rollers comprising metal sleeves surrounded by somewhat yielding sleeves, and the metal sleeves being provided with substantially axial screw-threaded openings for the reception of said screws, whereby the rollers may be turned about their axes by one screw and may be secured against rotation by another.



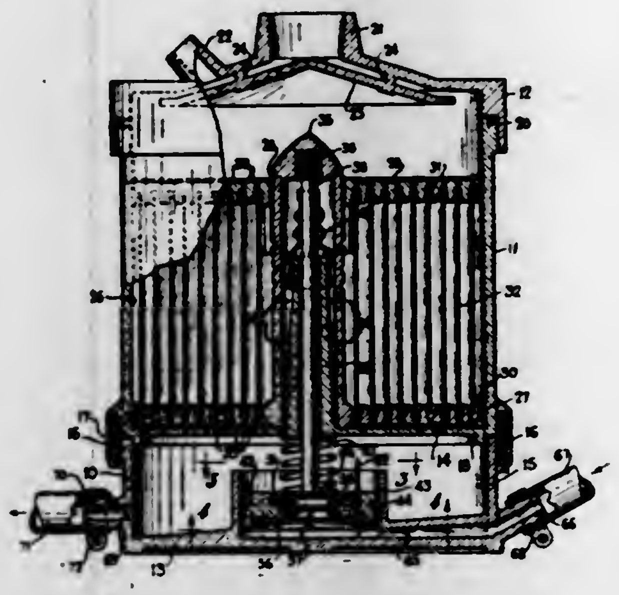
2,419,859

APPARATUS FOR FLUID TREATING ROLL FILM

Philip R. Tarr and Delbert C. Cline, Silver Lake Village, Ohio

Application May 16, 1944, Serial No. 535,882

3 Claims. (Cl. 95—90.5)



1. In a film tank of the character described, the combination of a housing formed interiorly with a developing chamber formed with a centrally disposed upwardly extending apertured boss, a film reel in said chamber comprising top and bottom sections connected to a hollow axial hub, said reel adapted to support a film by engagement with the margins thereof, the bottom section of the reel, at least, being formed with a multiplicity of perforations therethrough, the hub of said reel telescoping over said boss and having a closed upper end, and a power operated rod extending upwardly through said boss and connected at its upper end to the closed end of the reel-hub, said rod adapted to effect axial reciprocation of said film reel.

2,419,860

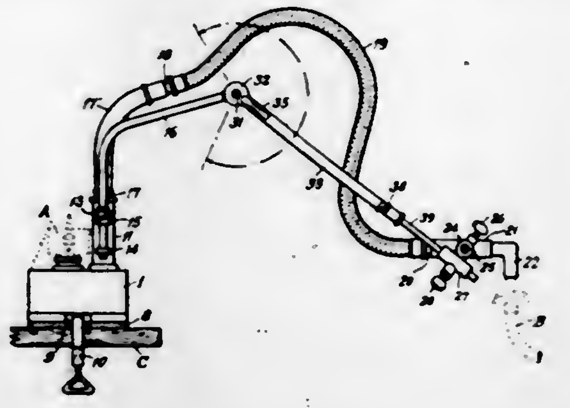
ADJUSTABLE PIPE SUPPORT

Miguel A. Urrutia, Habana, Cuba

Application March 30, 1943, Serial No. 481,138

3 Claims. (Cl. 248—79)

1. A support for use with a supply pipe of an apparatus for administering an anesthetic, with the supply pipe of the type including rigid end sections and a flexible intermediate section, to be held in adjustable relation relative to the apparatus, said support including a first inflexible end section rotatably mounted on one rigid end section of the supply pipe, a second inflexible section secured to the first inflexible section for any desired angular relation of the inflexible sections, a rod slidable in the second inflexible section, a metallic sleeve on the end of the flexible section of the supply pipe, a nipple slidable on the sliding rod and swingingly mounted on and relative to the metallic sleeve, and means for fixing at will the metallic sleeve and nipple relative to the parts with which they cooperate.



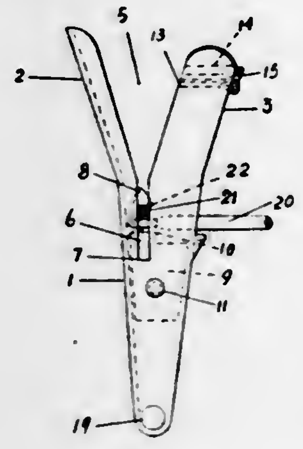
2,419,861

NEEDLE THREADER

Frank Vogel, Philadelphia, Pa.

Application May 4, 1945, Serial No. 591,947

2 Claims. (Cl. 223—99)



1. In a needle threader of the class described, a spaced double body, narrow and wide arms extending upwardly and angularly from said body, said arms constituting a needle guiding channel and clip respectively, a thread receiving and guiding recess terminating in narrow slots, a thread and needle engaging hook in between said body, said hook aligned in between said narrow slots, and functioning to releasably hold the thread between edges of said narrow slots, needle depth stops on said hook member and said body, one end of said wide arms being bent at right angles thereto, and then upwardly and over upon itself forming a spring clip, the outer edges of said spring clip being formulated into an inwardly tapered needle receiving mouth, said mouth terminating into a needle guiding rib angularly disposed across the flat of said spring clip, and the lower stem of said body being tapered to fit the bore of a spool.

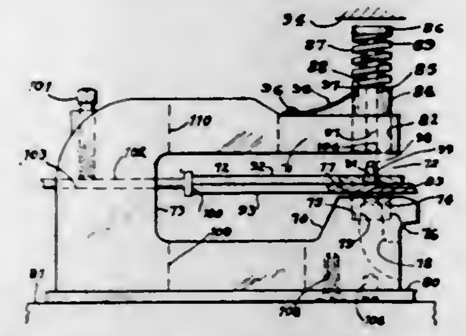
2,419,862

METHOD OF AND APPARATUS FOR PUNCHING BY TRANSFER MEANS

George F. Wales, Kenmore, N. Y.

Application April 29, 1944, Serial No. 533,270

51 Claims. (Cl. 164—94)



1. A method of manufacture consisting of transferring a plurality of punch mediums by pressure from their lodging places in one work-piece into lodging places which they form in a second work-piece.

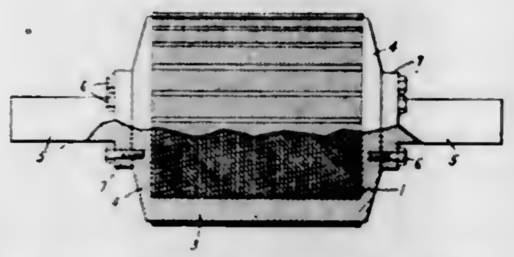
2,419,863

LAMINATED ROTOR FOR DYNAMO-ELECTRIC MACHINES

David H. Ware, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application May 11, 1944, Serial No. 535,075

5 Claims. (Cl. 172—120)



1. A dynamoelectric machine rotatable member having a core of magnetic material formed of centrally imperforate thin disk laminations, winding slots in said core, an electrical winding in said winding slots, and supporting means secured to said rotatable member.

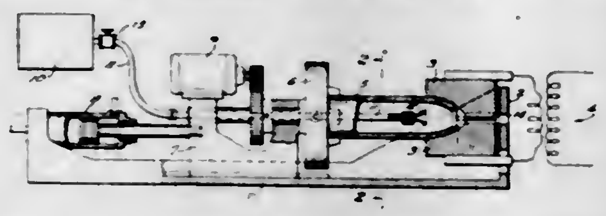
2,419,864

REDUCTION OF TUBULAR BLANKS

Axel Westin, Milwaukee, Wis., assignor, by mesne assignments, of one-third to Sven Westin, Elm Grove, Wis., one-third to Axel Westin, and one-third to Charles Greenblatt, both of Milwaukee, Wis.

Application February 28, 1945, Serial No. 580,217

11 Claims. (Cl. 219—3)



1. The method of reducing a tubular blank by electro-forming, comprising forcing the blank endwise into a tapered die cavity while relatively rotating the blank with respect to the die and applying electric resistance heating current to the blank through the dies, and chilling the unsupported inner surface of the blank during forming to thereby prevent enlargement of surface flaws on the inside of the blank.

2,419,865

CARBALKOXYLATION OF PHENYLACETATES

Arthur W. Weston and Walter H. Hoffman, Waukegan, Ill., assignors to Abbott Laboratories, Inc., North Chicago, Ill., a corporation of Illinois

No Drawing. Application July 31, 1944, Serial No. 547,518

2 Claims. (Cl. 260—475)

1. In the process of adding a carbalkoxy group to ethyl phenylacetate, the improvement which comprises reacting a mixture of ethyl phenylacetate in an excess of diethyl carbonate with sodium at a temperature of about 115°–120° C.

2,419,866

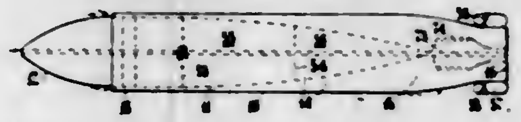
AERIAL TORPEDO

Walter Gordon Wilson, Martyr Worthy, Winchester, England

Application June 25, 1942, Serial No. 448,505

In Great Britain February 11, 1941

15 Claims. (Cl. 102—49)



1. An aerial torpedo propelled by the ejection of burning gas from its tail end comprising in combination a cylindrical casing open at its front and tail ends, an inner torpedo shaped body enclosed at its largest diameter and from thence back to the tail end, within and separated from the casing, by an annular air duct progressively enlarged towards the rear end of the casing, a combustion chamber formed towards the tail end of the cylindrical casing by the relative sizes of the casing and torpedo-shaped body and communicating with the annular air duct, a supply of inflammable heated gaseous fuel within the torpedo-shaped body, nozzles for directionally leading the gaseous fuel into, and in the same direction as, and mixing it with the stream of air passing along the annular air duct to the combustion chamber, means for igniting the mixture of gas and air in the combustion chamber and means for leading the exhaust gases away through the tail end of the cylindrical chamber, the arrangement being such that the MV of gas discharge from the tail end is increased.

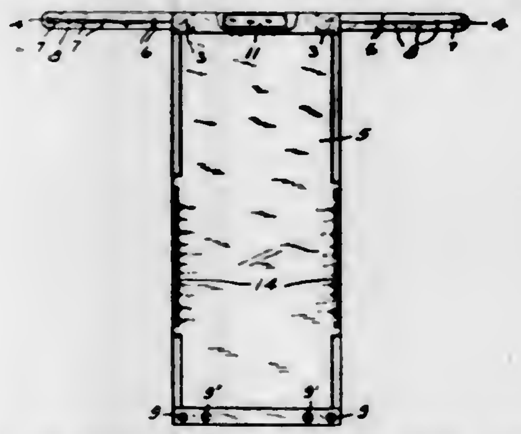
2,419,867

GARMENT

Edward Woodman, Seattle, Wash.

Application January 27, 1944, Serial No. 519,956

2 Claims. (Cl. 2—224)



2. An undergarment for the lower portion of the body comprising a substantially plain flat rectangular fabric garment of substantially greater length than width having a back portion and a front portion adjacent its respective ends and having a medially disposed crotch portion between the back and front portions; hems provided in the four edge portions of said garment member; two waist straps secured to the respective corners of said back portion and extending sidewise therefrom; fastening means carried by said waist straps; other fastening means carried by the front portion of said garment member adjacent the end thereof and releasably engageable with the fastening means of said waist straps; elastic means incorporated into waist encircling parts of said undergarment normally holding some portions of said waist encircling parts in a gathered condition to provide elastic waist tension and stretch; and two strips of elastic material of substantial length secured to the respective lateral edges of the front garment portion extending from the crotch portion upwardly to a location a short distance below the top end of said front garment portion and yieldingly holding the opposed lateral edge portions of said front garment portion in a gathered condition to thereby provide fullness and some elasticity in said front portion of said garment member.

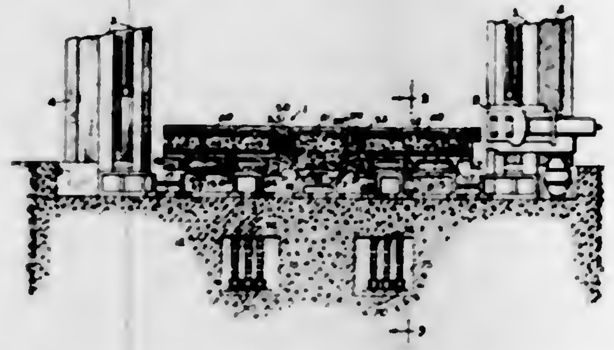
2,419,868

MACHINE TOOL

Lucien I. Yeomans and Raymond P. Frye, Chicago, Ill., assignors to Lucien I. Yeomans, Inc., Chicago, Ill., a corporation of Illinois

Original application September 24, 1943, Serial No. 503,630. Divided and this application July 12, 1945, Serial No. 604,552

3 Claims. (Cl. 90—34)



1. A machine tool having, in combination, a bed providing an elongated upwardly facing V-shaped guideway along the center thereof, a row of table sections arranged end to end and individually supported in said guideway, parallel guideways on said bed spaced outwardly from said sections, a row of table sections disposed adjacent opposite sides of said row of intermediate sections and individually supported along their inner edges by the intermediate sections, and a pair of members for each of said side sections mounted for some degree of universal movement in the underside thereof and resting on one of said guideways.

2,419,869

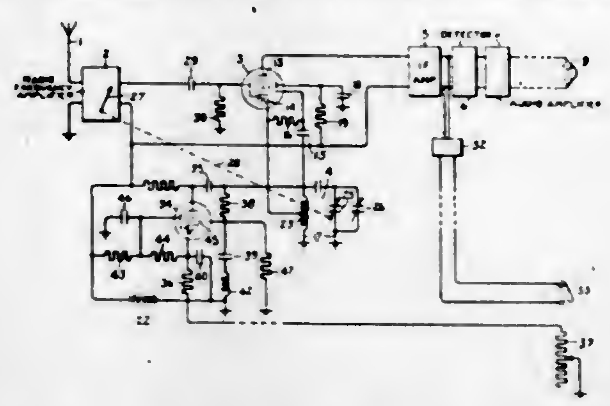
OSCILLATION GENERATOR

George G. Young, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York

Application April 8, 1944, Serial No. 530,127

5 Claims. (Cl. 250—36)

1. In combination, an oscillator having a frequency determining oscillatory circuit, an electron discharge device connected in shunt with a portion of said circuit whereby oscillations in said circuit are impressed between the anode and cathode thereof, a control electrode between said anode and cathode, means to supply oscillations from said circuit between said control electrode and cathode in phase to cause the impedance between said anode and cathode to simulate a reactance affecting the frequency determined by said circuit, means to vary the resonant frequency of said circuit over a wide range, a pair of connections between said discharge device and a remote point, means utilizing said connections variably to control said discharge device over said conductor to vary said frequency over a narrow range from any frequency determined by said last means, and means to maintain said narrow range substantially constant at all frequencies in said wide range, said means comprising a circuit between said control electrode and cathode resonant to a frequency outside said range to vary the voltage between said grid and cathode over said range.



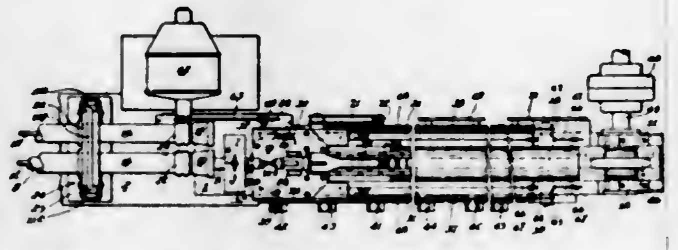
2,419,870

METAL DRAWING APPARATUS

Raynal W. Andrews, Jr., New Kensington, and Arthur T. Deily, Pittsburgh, Pa., assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania

Original application August 3, 1939, Serial No. 288,163, now Patent No. 2,331,953, dated October 19, 1943. Divided and this application June 21, 1940, Serial No. 341,697

1 Claim. (Cl. 205—3)



In a draw bench, a die, a bench frame extending from said die, a draw head movable on said frame toward and away from said die, a continuous drawing member, attaching means on said draw head for engagement with said drawing member and adapted to be raised thereby under drawing tension, means for locking said attaching means in raised position, means associated with said locking means adapted to release the same as the draw head reaches the die, whereby the attaching means is freed to engage the drawing member, thereby to initiate a drawing operation, an arm associated with said attaching means for raising the same when not lifted by said drawing member, said arm being disposed at one side of said draw head, a cam means on said frame near said die for engagement by said arm only when there is no load on said drawing member, said arm normally clearing said cam means when said attaching means is raised under drawing tension, and cam means on said frame near the end thereof opposite said die for engagement by said arm to disengage said attaching means from said drawing member if said draw head should be moved thereto by said drawing member, said attaching means being raised into position to be held by the locking means when said arm is actuated by engagement with either of the cam means.

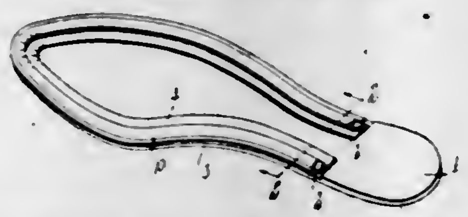
2,419,871

INNERSOLE AND METHOD OF MAKING THE SAME

Fred L. Ayers, Waltham, Mass., assignor of twenty-two one-hundredths to Charles G. Keferstein, New York, N. Y.

Application January 8, 1945, Serial No. 571,739

5 Claims. (Cl. 36—22)



5. An innersole comprising a blank channeled inwardly about its margin to form a marginal lip and a feather, said lip being turned inwardly and cemented to a double portion of a convoluted strip of sheet material, the inner convolution of said material being cemented to an outer convolution thereof, and a layer of strip material cemented to the outer face of said lip and to the channel face of said feather.

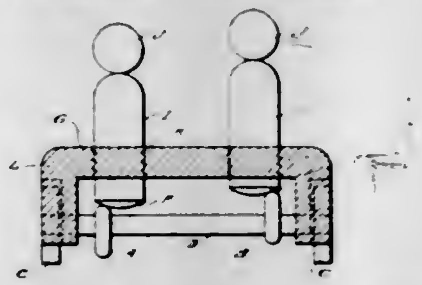
2,419,872

TOY

Samuel L. Beder, New York, N. Y., assignor of one-half to Irwin F. Mills Associates, New York, N. Y.

Application December 22, 1945, Serial No. 636,740

9 Claims. (Cl. 46—107)



1. A wheeled toy consisting of a hollow vehicle body having opposing side walls, axles having ends mounted in said side walls and carrying traction wheels, the top of the vehicle body being formed with a plurality of openings, figures snugly reciprocatable in said openings in a vertical plane, and means controlled by said axles for actuating said figures as they impart a rotating movement to them.

2,419,873

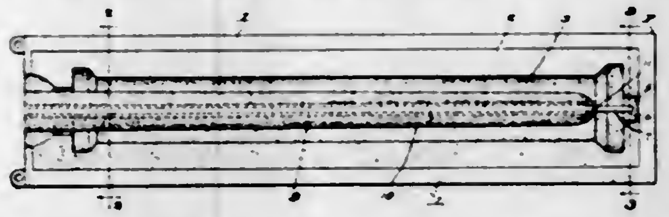
MOLD AND CORE AND METHOD OF CASTING IN SAME

Thomas Bellsnyder, Sr., and Robert Ritchie, Birmingham, Ala.

Application January 31, 1944, Serial No. 520,484

2 Claims. (Cl. 22—133)

2. In a device for making a closed-bottom ingot mold by a casting process, a flask having a sand-receiving space, a chill in the lower portion of said space, a core arbor within the flask and having a bore in its lower end, the bore terminating close to the lower end of the arbor, a core on the core arbor, a pin having its lower portion engaged detachably with the chill, the upper portion of the pin being detachably received in the bore, the pin being weakened at the lower end of the core, whereby when the arbor is moved laterally the pin will break substantially flush with the upper surface of the bottom of the mold which is being cast, a portion of the pin remaining in the bottom of the mold, to render the bottom of the mold imperforate.



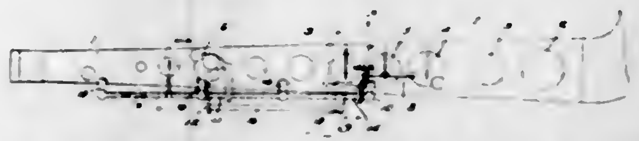
2,419,874

F-BAR KEY FOR SAXOPHONES

Louis E. Berkson, Fresno, Calif.

Application November 1, 1944, Serial No. 561,415

2 Claims. (Cl. 84—385)



1. In a saxophone comprising a body and a B-flat tone pad: a D-natural tone pad, an F-natural tone pad, and an F-sharp tone pad, all located between the D-natural pad and the B-flat pad: mechanism for operating the B-flat pad, comprising a transverse arm, a longitudinal finger carried by the F-sharp pad, the arm terminating in spaced relation to the finger, and a bridge secured to the F-natural pad and extending across the F-sharp pad, in spaced relation thereto, the bridge overhanging the arm and cooperating with the arm to close the B-flat pad.

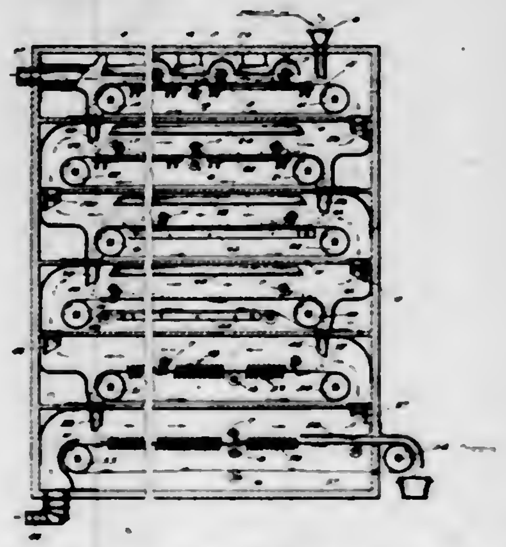
2,419,875

DEHYDRATING FOOD BY RADIANT ENERGY AND GAS

Clarence Birdseye, Gloucester, Mass., assignor to Dehydration, Inc., Gloucester, Mass., a corporation of Massachusetts

Application April 29, 1942, Serial No. 440,967

14 Claims. (Cl. 34—17)



1. In a food dehydrating process, the steps of passing the food longitudinally through and downwardly from one to another of a series of

superposed compartments, and subjecting the food while passing through several adjacent compartments to a current of dehydrating gas, progressively increased in temperature, moving upwardly from one to another compartment and through said compartments and flowing in the same longitudinal direction as that in which the food is moving through said series of compartments.

2. In a food dehydrating process, the steps of advancing the food through zones of convective heat and infra-red radiation to remove a part of the original moisture content, heating the partially dehydrated food by passing it through a high-frequency electric field, and then removing additional moisture from the food by a current of dehydrating gas.

10. In a food dehydrating process, the steps of advancing the food in exposed condition through spaced high frequency electric fields and thereby internally heating the food, agitating the food between certain of said spaced fields, and flowing a current of dehydrating gas through the food in the same direction in which it is being advanced through the said high frequency fields, thereby advancing the lighter and drier units of the food at a faster rate than the heavier units thereof.

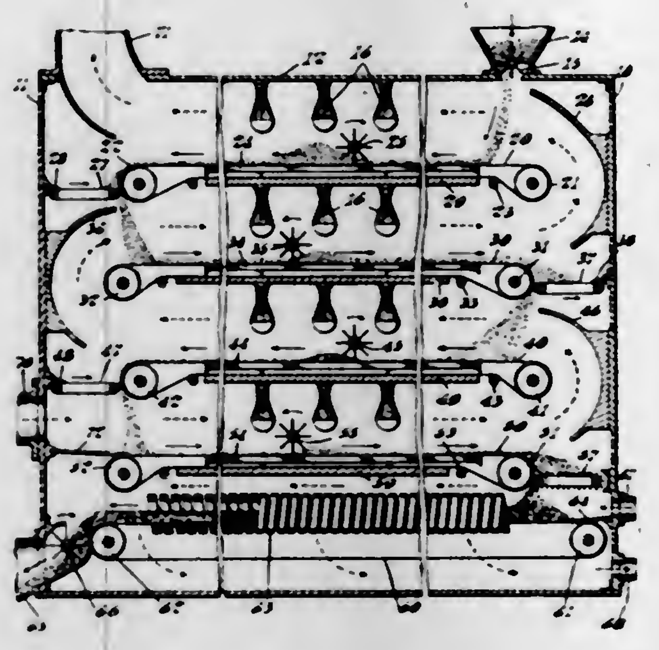
2,419,876

DEHYDRATION APPARATUS HAVING CONVEYORS, AGITATORS, RADIANT HEATERS, AND GAS CIRCULATING MEANS

Clarence Birdseye, Gloucester, Mass., assignor to Dehydration, Inc., Gloucester, Mass., a corporation of Massachusetts

Application September 1, 1942, Serial No. 456,903

14 Claims. (Cl. 34—57)



1. In dehydrating apparatus, the combination of a flat traveling conveyor, means for distributing food units in a layer thereon, means for redistributing the said units in selected areas upon the conveyor and thereby freeing individual units from the layer, and means for flowing a current of gas over and among the food units in the direction of conveyor travel, whereby the lighter and drier food units are advanced at a faster rate than the heavier and moister units of the food being treated.

12. In a food-dehydrating apparatus, the combination of a gas duct, a traveling conveyor adapted to carry food units through the duct, means for supplying radiant energy to the food while within the duct, means for causing the individual units of the product to change their spacial relationship to each other and to the source of radiant energy while passing through the duct, and means for causing a current of dehydrating gas to pass through the duct in the same direction as the product movement at a velocity sufficient to cause those product units having a less-than-average specific gravity to move through the duct faster than those units having a greater-than-average specific gravity.

2,419,877

PROCESS OF IMPROVING AND PRESERVING FOOD PRODUCTS

Clarence Birdseye, Gloucester, Mass., assignor to Dehydration, Inc., Gloucester, Mass., a corporation of Massachusetts

No Drawing. Application October 16, 1943, Serial No. 506,576

7 Claims. (Cl. 99—192)

1. The process of preserving and improving moisture-containing food products, which includes the steps of first dehydrating the product to remove a substantial fraction of its original moisture content, then immersing the partially dehydrated product in a liquid refrigerant containing a flavoring ingredient, thereby freezing the product with an accretion of moisture content and flavoring ingredient and in substantially the natural shape of the fresh product.

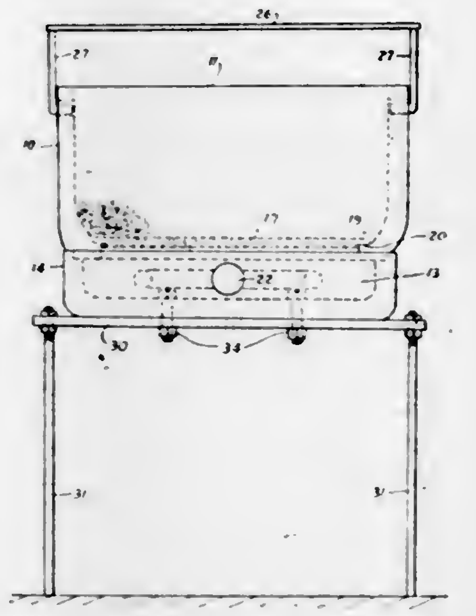
2,419,878

RIVET HEATING POT

George Albert Bishop, Vancouver, British Columbia, Canada

Application August 27, 1943, Serial No. 500,299

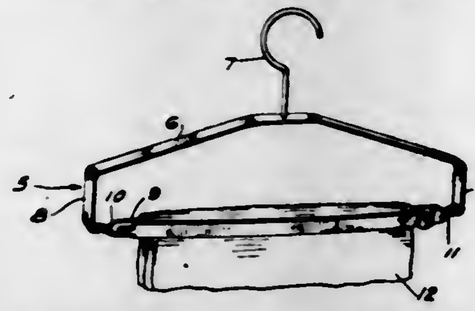
1 Claim. (Cl. 110—3.5)



A heating device comprising an elongated pot having an open bottom, a grate extending across the open bottom of said pot and seated therein, an elongated base surrounded by an upturned rim for supporting said pot in spaced relation to said base, a boss formed on one side of the rim of said base having an air conduit formed therein extending longitudinally of said base with its ends in open communication with the space between said pot and base, said conduit having an air inlet intermediate its ends, a cover for said pot, and spring arms depending from said cover having inturned ends adapted to engage in apertures in the sides of said pot to detachably secure said cover in position.

2,419,879
GARMENT HANGER

Blythe O. Blades, Los Angeles, Calif.
Application May 14, 1945, Serial No. 593,731
9 Claims. (Cl. 223—91)



4. A garment hanger comprising a main hanger member carrying a suspending hook and including a horizontal run, said horizontal run having a slot in one of its end portions, and a clamping bar consisting of a garment-gripping strap metal arm having a recess in each side edge thereby forming a neck furnished at its outer end with a flat head which projects from both edges of said neck, said neck being bent so as to bring said head into a laterally offset relation to the arm, said head being insertable through said slot and assuming a locking relation thereto when the arm is swung into a parallel relation to the aforesaid horizontal run, said arm having a latch-on connection with the opposite end portion of said horizontal run.

2,419,880
POLYVINYL RESIN ADHESIVE COMPOSITION, PLYWOOD, AND METHOD OF MAKING PLYWOOD

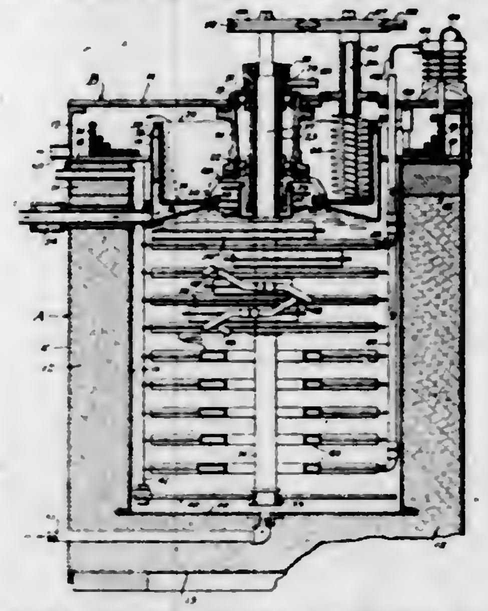
Lee L. Blyler, Spotswood, John W. Clough, Parlin, Charles W. Hawley, New Brunswick, and Earle C. Pitman, Red Bank, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 10, 1943, Serial No. 494,266
13 Claims. (Cl. 20—89)

11. A laminated article having a plurality of cellulosic plies firmly bonded by an adhesive comprising the reaction product of a hydrolyzed interpolymer of styrene and maleic anhydride and a 37–77% hydrolyzed polyvinyl acetate, the mixture thereof before reaction containing a plurality of carboxyl and alcoholic hydroxyl groups, the carboxyl groups being in excess of but less than four times the number of hydroxyl groups, and said hydrolyzed polyvinyl acetate having a viscosity characteristic of more than 400 but less than 8,000 centipoises in a 15% solution of the acetate in an 80:20 solution of alcohol and water.

2,419,881
SEA WATER FRACTIONATOR

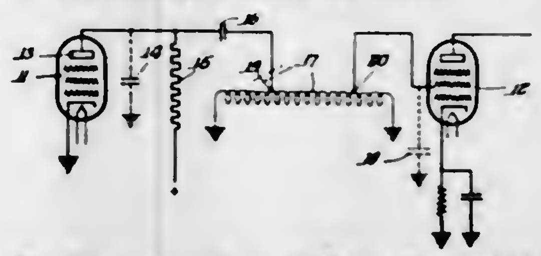
William F. Borgerd, Riverside, and John S. Palmer, Chicago, Ill., assignors to International Harvester Company, a corporation of New Jersey
Application June 2, 1944, Serial No. 538,430
14 Claims. (Cl. 62—124)

9. A device for obtaining potable water from salt solutions, comprising an insulated container, an evaporator mounted therein, scraper elements closely adjacent the evaporator whereby ice crystals may be removed therefrom, means for admitting water to be treated to the container, a rotatably mounted drum structure at the top of said container, said container having a restricted central opening at the top thereof, said drum structure having an opening at the bottom in alignment with said opening, conveying means for moving ice crystals collecting by flotation at the top of the container through said openings into the drum structure, a wall of said drum structure being perforate whereby the solution escapes therethrough and the crystals accumulate, and means for removing said crystals from the drum structure.



2,419,882
WIDE BAND INTERSTAGE COUPLING NETWORK

William E. Bradley, Swarthmore, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application January 10, 1944, Serial No. 517,650
11 Claims. (Cl. 179—171)



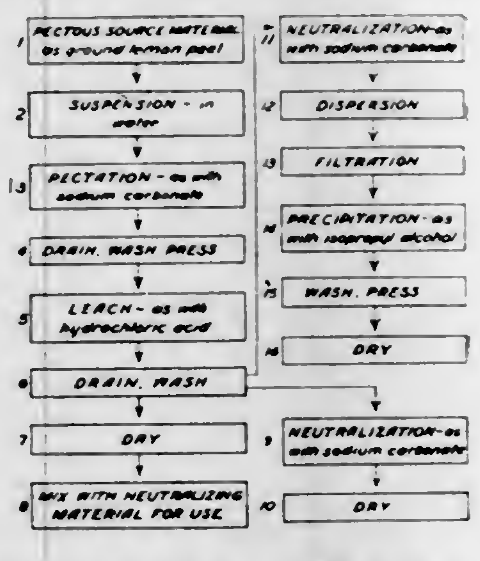
1. A radio frequency amplifier adapted for operation in a range generally including the limits of ten to two hundred megacycles, comprising a vacuum tube having a certain anode to ground capacity, a succeeding vacuum tube having a certain control grid to ground capacity, an inductive coupling means interconnecting said vacuum tubes, said inductive coupling means together with said electrode to ground capacities operating as a broad band amplifier device, said inductive coupling means comprising a single inductance coil having a high ratio of length to diameter and being provided at intermediate points with two taps, means connecting the two ends of said coil to each other and to the cathodes of said tubes, means connecting one tap to the anode of said first tube, means connecting the other tap to the grid of said second tube, and means for preventing unidirectional current from passing between said anode and said grid.

2,419,883
PECTIC SUBSTANCES AND METHODS FOR THEIR PREPARATION

Edwin F. Bryant, Corona, Calif., assignor to California Fruit Growers Exchange, Los Angeles, Calif., a corporation of California
Application June 27, 1944, Serial No. 542,405
7 Claims. (Cl. 260—209.5)

1. A process which comprises subjecting pectous source materials to pectation to produce a

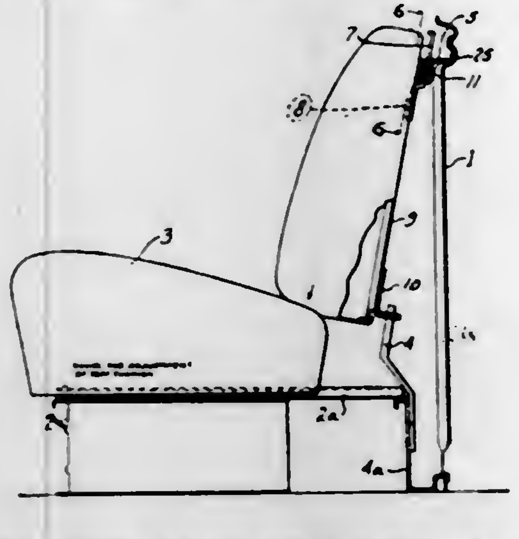
fibrous pectate pulp, washing the pectated pulp to remove water-soluble constituents therefrom, leaching the washed pulp with an acid to remove metallic ions capable of forming insoluble pectates, and subsequently washing the leached pulp to remove excessive acidic reagent and soluble components therefrom.


1 PECTOUS SOURCE MATERIAL as ground lemon peel
2 SUSPENSION - in water
3 PECTATION - as with sodium carbonate
4 DRAIN. WASH PRESS
5 LEACH - as with hydrochloric acid
6 DRAIN. WASH
7 DRY
8 MIX WITH NEUTRALIZING MATERIAL FOR USE
11 NEUTRALIZATION - as with sodium carbonate
12 DISPERSION
13 FILTRATION
14 PRECIPITATION - as with isopropyl alcohol
15 WASH. PRESS
16 DRY
9 NEUTRALIZATION - as with sodium carbonate
10 DRY

6. A pectous material comprising a cellulosic pulp having distributed therein fibrous pectic acid, said pulp being substantially free from metallic ions capable of forming insoluble pectates, and being dispersible in cold aqueous alkalis.

2,419,884
SEAT HAVING A RESILIENTLY MOUNTED BACK REST

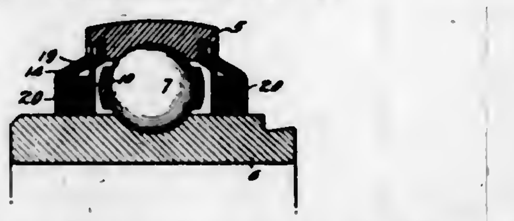
John M. Caughey, Adrian, Mich., assignor to Stubnitz-Greene Spring Corporation, Adrian, Mich., a corporation of Michigan
Application October 4, 1944, Serial No. 557,074
2 Claims. (Cl. 155—164)



1. A seat assembly for use in a vehicle, comprising a horizontal slotted plate, means supporting said plate near the top of the seat back and behind the same, a seat bottom cushion, supporting means therefor, a post, means supporting said post in upright position, the seat back cushion provided near its lower end with a horizontal perforated bracket threaded over said post and provided near its upper end with a bracket with an offset portion interengaged with the slot in the said top plate to form with the lower bracket and post a guiding means for upward and downward movement of the seat back cushion and a spring engaging between the said plate and offset bracket for yieldingly causing the said seat back cushion to tend downward and into contact at its lower end with the seat bottom cushion.

2,419,885
BEARING SEAL

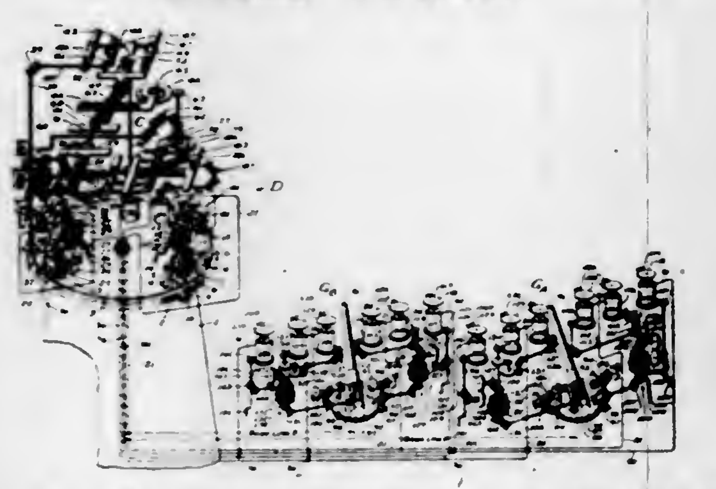
Stanley M. Cooper, New Britain, Conn., assignor to The Fafnir Bearing Company, New Britain, Conn., a corporation of Connecticut
Application January 5, 1939, Serial No. 249,396
4 Claims. (Cl. 286—5)



1. The combination with a pair of rings disposed one within the other and held in radially spaced apart relationship and against substantial relative movement in an axial direction, the outer of said rings having a counterbore, of a sheet metal sealing disk extending across the space between the rings and seated at its outer portion on the bottom of said counterbore, a second sheet metal sealing disk extending across the space between the rings and abutting said outer portion of said first mentioned sealing disk, said second sealing disk having a generally longitudinally outwardly and radially inwardly extending portion spaced from the other sealing disk and forming therewith a channel opening toward the outer surface of said inner ring, a third seal member, including a sheet metal sleeve rigidly secured on the outer surface of said inner ring and extending axially inwardly beneath the inner edge of said second sealing disk and substantially completely across said channel, said sheet metal sleeve at its axially outer end having an integral flinger flange substantially following the contour of said second sealing disk and located at the outside thereof and lying in sealing proximity to said second sealing disk, said flinger flange terminating at its outer edge radially short of and adjacent said counterbore.

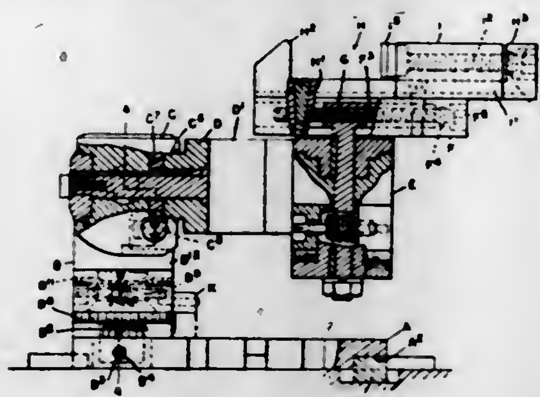
2,419,886
APPARATUS FOR GUNFIRE CONTROL

Raymond E. Crooke, New York, N. Y., assignor to Ford Instrument Company, Inc., Long Island City, N. Y., a corporation of New York
Application September 22, 1933, Serial No. 690,540
23 Claims. (Cl. 89—41)



1. In a fire control system, the combination of a plurality of guns, means for determining values of a correctional factor for one of the guns comprising elements adjustable in accordance with the future position of a movable target, means for transmitting the values of the factor to that gun and to the remaining guns, and means at each of said remaining guns for converting the values transmitted thereto to the particular values of the factor required for that gun.

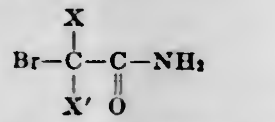
2,419,887
UNIVERSAL VISE
Josef A. Disse, Detroit, Mich.
Application September 13, 1943, Serial No. 502,230
1 Claim. (Cl. 81—41)



A universal vise or work holder comprising a base, a work clamp, a series of members between said base and work clamp having swivel engagements with each other successively in transverse planes to locate said clamp in a selected one of a plurality of positions having clearance above said base, each swivel engagement being formed by a shank on one member rotatably engaging a transverse bore in the adjacent member, a worm-wheel located within said bore on said shank, a worm in mesh with said worm-wheel, an eccentric bushing in which said worm is journaled located in a transverse bore in said bored member, a wrench hold for rotating said worm and a wrench hold for rotating said eccentric bushing to lock said worm and worm-wheel from movement.

2,419,888
SEED AND PLANT DISINFECTANTS
Kenneth G. Nolan and Ingenuin Hechenbleikner, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application December 4, 1943, Serial No. 512,972
6 Claims. (Cl. 167—38)

5. A composition for the control of seed and plant diseases comprising a toxic amount of a compound of the formula:

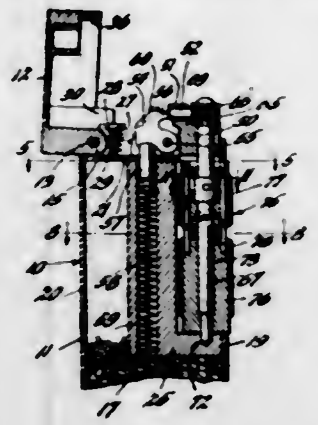


$$\mathrm{Br{-}\overset{\displaystyle X}{\underset{\displaystyle X'}{C}}{-}\underset{\displaystyle O}{\overset{}{C}}{-}NH_2}$$

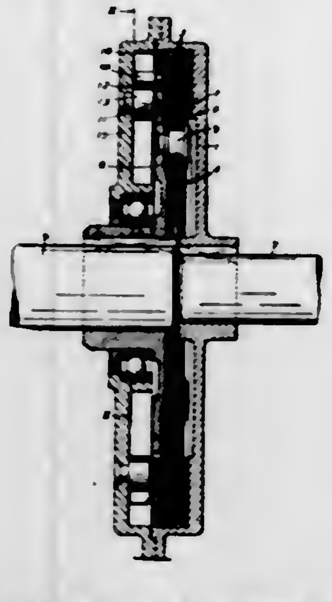
in which X and X' are chosen from the group consisting of hydrogen, cyanogen, thiocyanogen and halogen, and a solid inert filler.

2,419,889
LIGHTER
Irving Florman, New York, N. Y.
Application July 18, 1945, Serial No. 605,663
7 Claims. (Cl. 67—7.1)

3. A lighter of the class described comprising, in combination, a casing and a closure therefor; an inflammable wick and a flint and flint wheel housed within said casing and closure; a spring urging said closure toward open position and a latch movably carried by said casing and adapted to engage said closure to retain it in closed position; a rotatable shaft having bearings in said casing and having the flint wheel fixed thereto, a hollow actuating roller surrounding said shaft, bearing thereon, and having a lost motion driving connection therewith, internally of the roller, and a lost motion actuating connection between said roller and latch externally of the roller, a portion of the periphery of said roller being exposed externally of said casing for manipulation, whereby rotation of the roller substantially simultaneously effects the opening of the closure and the igniting of the wick.

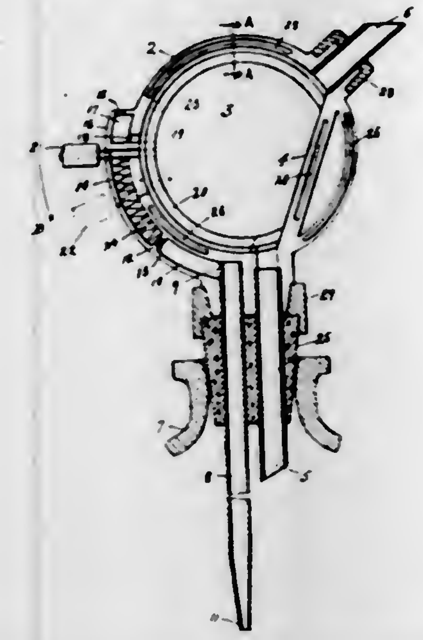


2,419,890
FRICTION CLUTCH
James Edward Freeborn, Broxbourne, England, assignor to Freeborn Power Converters Limited, London, England, a British company
Application March 26, 1945, Serial No. 584,816
In Great Britain April 19, 1944
8 Claims. (Cl. 192—105)



1. A friction plate clutch comprising in combination, an input clutch member mounted for rotation, at least one driving plate in driving relationship with said input member and mounted for axial movement, a driven or output clutch member also mounted for rotation, at least one driven plate in driving connection with said driven clutch member and movable axially into and out of engagement with said driving plate, a pressure plate disposed to effect engagement between said driving plate and said driven plate upon axial movement of said pressure plate, and centrifugal means operative between said input clutch member and said pressure plate to establish angular displacement therebetween, said input clutch member and said pressure plate being formed with co-operating cam surfaces shaped to produce relative axial movement between said input clutch member and said pressure plate upon the occurrence of angular displacement therebetween established by said centrifugal means to cause engagement and disengagement of said driving and driven plates at a predetermined speed of rotation.

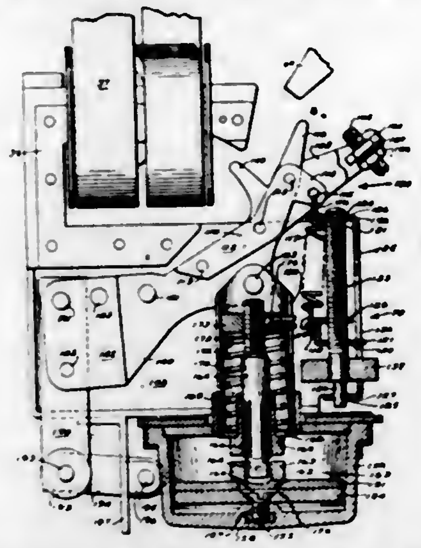
2,419,891
APPARATUS FOR DELIVERING MEASURED QUANTITIES OF LIQUID BY VOLUME FROM BOTTLES OR SIMILAR VESSELS
Norman F. Gottschalk, South Euclid, Ohio
Application April 27, 1946, Serial No. 665,596
1 Claim. (Cl. 222—442)



An apparatus of the class described, comprising, in combination, a body having a measuring chamber therein, a supply conduit for said chamber, a delivery pipe leading from the chamber, an inclined plane surface interposed between the supply conduit and the delivery pipe to direct the flow of material from the measuring chamber, a control valve located in the measuring chamber and having limited rotational movement therein, said control valve being of interrupted ring configuration and having a plurality of spaced ports, a handle connected to the control valve to operate it, an air pipe adjacent the supply conduit having a notch at its upper end and terminating in a restricted lower end, the notch registering with an arcuate channel having a perforated internal flange therein and having therebeyond a segmental slot in which the handle of the control valve operates, the aforementioned slot providing an ingress for air to the arcuate channel and hence to the air pipe, a helical spring mounted in the arcuate channel its lower end supported on the upper surface of the internal flange, its upper end engaging the handle of the control valve, the ports in the control valves being movable out of and into registering position with an orifice leading to a trap having an air space and an opening leading therefrom to the atmosphere, one of the aforesaid ports being adapted to release air from the measuring chamber when the delivery pipe is closed by the control valve in the filling operation of the measuring chamber, the other of the said ports adapted to permit air to be sucked into the measuring chamber when the supply conduit is closed by the control valve in the emptying operation of the measuring chamber.

2,419,892
CIRCUIT BREAKER-BALANCED ARMATURE
Herbert C. Graves, Jr., West Chester, Pa., assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 12, 1943, Serial No. 505,896
7 Claims. (Cl. 175—372)

1. In combination, a magnet winding, a pivoted armature rotated about its pivot in response to the energization of said magnet winding, said armature being mechanically balanced at all positions thereof about its rotating pivot, a time delay mechanism pivotally connected on one side of the pivot of said armature for extending the time of operation of said armature in response to a predetermined energization of said magnet winding and a weight pivotally connected to the other side of the pivot of said armature and balancing said time delay mechanism, the connection of the weight being such that balance is affected at all positions of said armature.



2,419,893
CONSTANT SPEED PROPELLER MECHANISM
Paul F. Hackethal, Cockeysville, Md., assignor to Everel Propeller Corporation, Baltimore, Md., a corporation of Maryland
Application October 14, 1943, Serial No. 506,257
4 Claims. (Cl. 170—162)

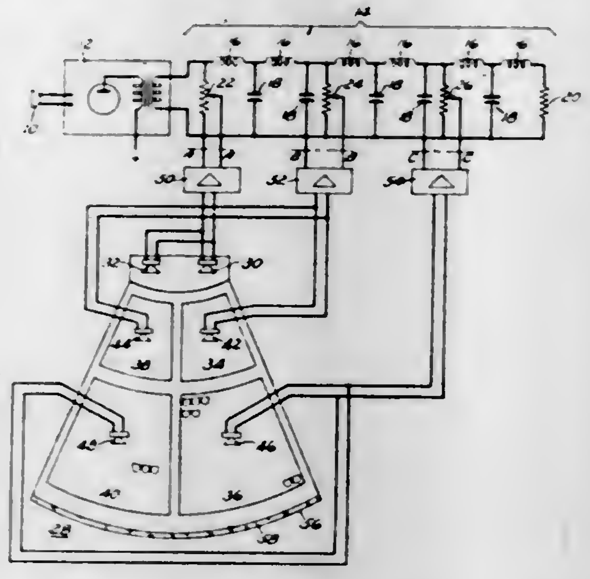
1. A variable pitch propeller comprising a hub, a blade mounted in said hub for pivotal pitch changing movement, and a counterweight construction including an arm having a longitudinal recess therein having parallel side walls, a constrictable annulus formed as a continuation of said side walls for attaching the arm to the shank of the blade, a weight member slidably positioned in the recess and engaging said walls, a screw member carried by the arm and positioned within the recess and having an operative engagement with the weighted member for moving the weighted member longitudinally in said recess, a squared shoulder on the screw member, and a squared aperture in the arm of the same size as the shoulder and adapted to receive the same.

2,419,894
ACOUSTIC SYSTEM FOR UNIFORM DISTRIBUTION OF SOUND

William W. Hayes, Towson, Md., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application August 1, 1945, Serial No. 608,117

4 Claims. (Cl. 179—1)



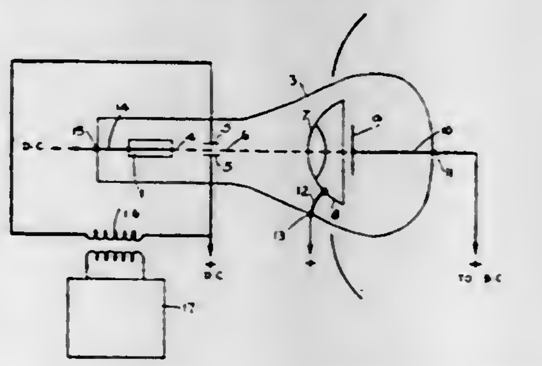
1. In a system for the radiation of mechanical vibratory energy, a source of electric signals, a first electro-acoustic transducer having a substantially unidirectional radiation characteristic, a second electro-acoustic transducer spaced from said first transducer substantially in the direction of the radiation maximum of said first transducer, an acoustic path terminated at one end by acoustic absorbent material preventing reflections along said path, means responsive to said electric signals for impressing acoustic signals on the other end of said line, means for exciting said first transducer from a first point on said acoustic path, means for exciting said second transducer from a second point on said acoustic path displaced from said first point in the direction of signal transmission along said acoustic path an amount introducing a time delay substantially equal to the transmission time of acoustic energy from said first transducer to said second transducer through the medium surrounding said transducers.

2,419,895
ULTRA HIGH FREQUENCY DEFLECTION MODULATED TUBE

Edward J. Hefele, Bronx, N. Y., assignor to Bruno Patents, Inc., Long Island City, N. Y., a corporation of New York

Application May 16, 1945, Serial No. 594,086

4 Claims. (Cl. 315—3)



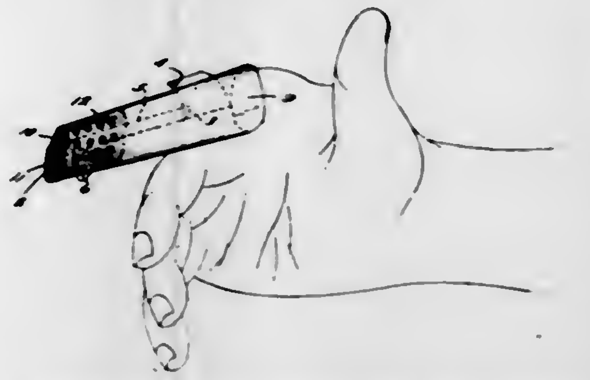
1. In an oscillator, an electron gun having an electron beam emitter, means for deflecting said beam, means including the elements of said gun for setting up ultra high frequency oscillations, said means comprising a parabolic reflector and a vertical wire, and means for applying a positive charge to said reflector.

2,419,896
DENTIFRICE APPLICATOR

Rudolph G. Hobelmann, Baltimore, Md., assignor to The Davison Chemical Corporation, Baltimore, Md.

Application March 27, 1944, Serial No. 528,271

3 Claims. (Cl. 15—227)



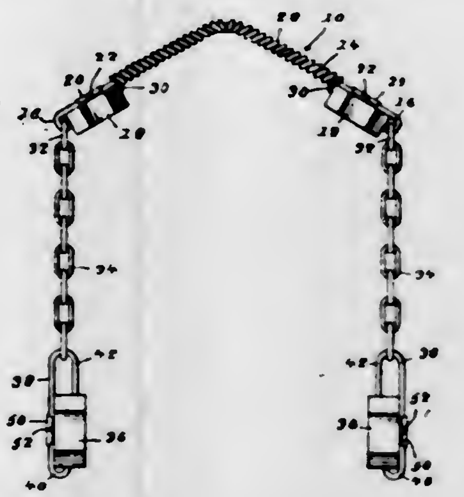
1. An applicator for dentifrice fabricated entirely from paper and forming a thimble adapted to be placed on the finger for cleaning the teeth, a plurality of perforated embossments in the paper in the area of the thimble adapted to lie adjacent the ball of the finger, and a dentifrice in the thimble adjacent the embossed area for discharge through the perforated embossments.

2,419,897
BACK BAND

Ernest Selma Jefferson, Belhaven, N. C.

Application July 3, 1946, Serial No. 681,349

2 Claims. (Cl. 54—38)



1. A device of the character described, comprising a back strap formed from rigid material, and having hook ends provided with bills, bearing blocks slidably fitted to the strap next to the bills and cooperating therewith for the opening and closing of these hooks, and means for retaining said hooks in closed relation with said blocks.

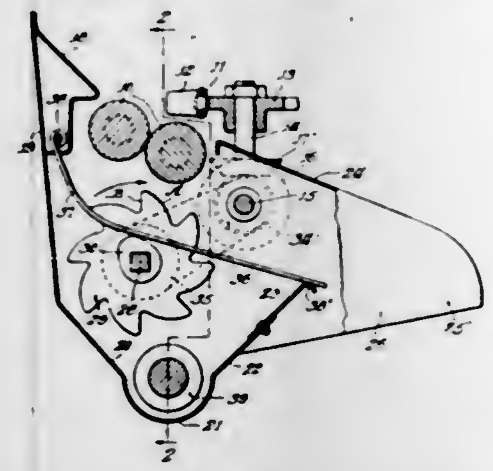
2. The invention as in claim 1 wherein suspension chains are detachably latched in the hooks by the blocks engaging the bills thereof, and the means for retaining said hooks in their respective blocks comprise a coil spring on said back strap and coil springs in the blocks latched to said chains at the lower ends thereof.

2,419,898
SHELLED CORN SAVER FOR HUSKING DEVICES

Arnold E. W. Johnson, Oak Park, Ill., assignor to International Harvester Company, a corporation of New Jersey

Application December 10, 1943, Serial No. 513,816

3 Claims. (Cl. 130—5)



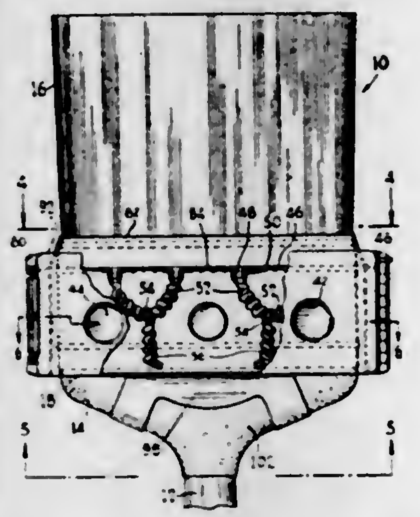
1. A grain saving means for a corn husking machine comprising in combination with husking rolls through which husks and shelled grain are delivered in a downward direction during operation, a shaft located beneath said rolls, a plurality of spaced trash and husk agitating and forwarding elements mounted on said shaft, a plurality of rod-like elements extending downwardly between said elements above said shaft and below the upper portions of the said elements, means for pivotally supporting the rod-like elements at one end, means for engaging, lifting and thereby vibrating said elements, and shelled-corn receiving means below said elements, said means including a receptacle having an upwardly extending wall on which the free ends of the rod-like elements rest when not engaged by said vibrating means.

2,419,899
PAINT BRUSH

Israel Kantor, Bronx, N. Y.

Application December 13, 1943, Serial No. 514,015

12 Claims. (Cl. 15—248)



1. A paint brush comprising a trough to catch paint running down from the bristles of the brush when said bristles are above the brush handle, a reservoir and means providing a non-linear passageway of small diameter and long length interconnecting said trough and reservoir which affords a large friction head opposing the flow of paint therethrough whereby paint will slowly flow from said trough to said reservoir.

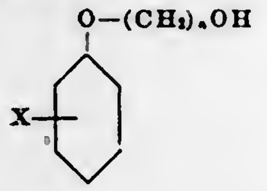
2,419,900
BLEACHING BATH AND PROCESS FOR BLEACHING COLOR FILM

Frank J. Kaszuba, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

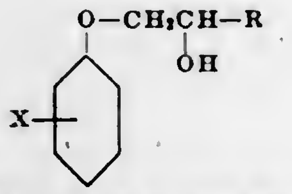
No Drawing. Application November 8, 1945, Serial No. 627,527

17 Claims. (Cl. 95—88)

1. In a process of color photography the method of removing silver from the film after dyestuff image formation by the action of a bleaching bath which comprises treating said film with such a bath containing a phenoxy alcohol selected from the class consisting of those corresponding to the following formulae:



and



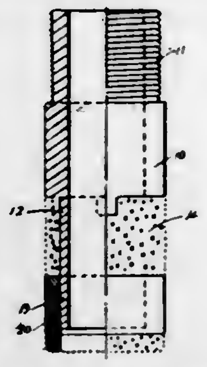
wherein R is alkyl, X is a member selected from the class consisting of hydrogen, alkyl, and halogen, and *n* is a positive integer of from 1 to 3.

2,419,901
DIAMOND DRILL

William Gordon Lake, Toronto, Ontario, Canada, assignor to J. K. Smit & Sons of Canada Limited, Toronto, Ontario, Canada, a company of Canada

Application April 30, 1945, Serial No. 591,183

3 Claims. (Cl. 255—72)



1. In a drilling tool, the combination of a tubular coupling having an externally threaded shank, an annular ring having a diamond studded outer face detachably fittable on said shank, and a tubular bit internally threaded at one end for attachment to said shank in snug fitting relationship with the end of the annular ring, said bit securing said ring in fixed position on said shank.

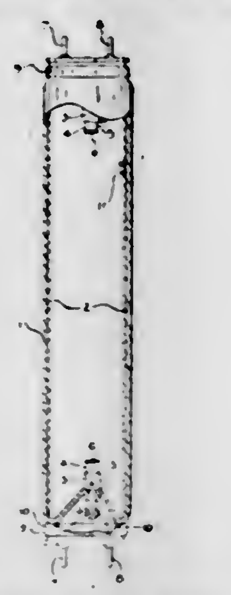
2,419,902
FLUORESCENT ELECTRIC DISCHARGE LAMP

Eric L. Mager, Leominster, Mass., assignor to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts

Application March 10, 1944, Serial No. 525,865

1 Claim. (Cl. 176—122)

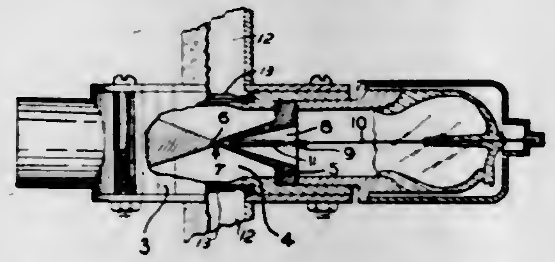
A fluorescent electric discharge lamp comprising a sealed light-transmitting envelope, oxide-coated electrodes therein, a small quantity of mercury therein, a gaseous filling therein consisting of argon and 0.3% to 1.5% nitrogen, and a fluorescent coating on the interior surface of said



envelope and comprising at least one material of the group consisting of the fluorescent tungstates and silicates.

2,419,903
ELECTRODE CONSTRUCTION FOR HIGH-FREQUENCY ELECTRONIC DEVICES

Henry J. McCarthy, Danvers, Mass., assignor to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts
Application May 24, 1944, Serial No. 537,144
2 Claims. (Cl. 250—27.5)

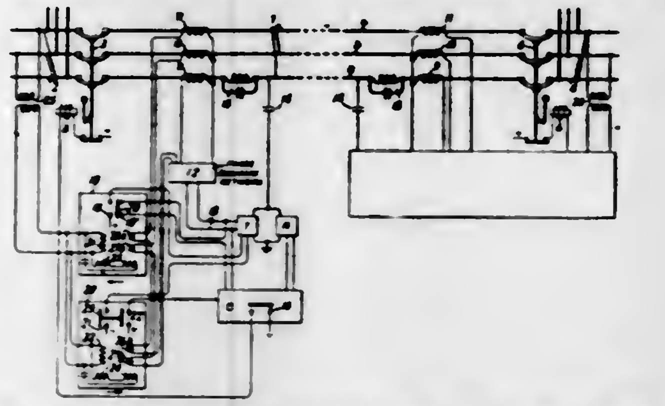


1. In a high frequency tube having an envelope within which is formed a resonating system including a pair of spaced members forming a capacitive gap at least one of the members of which is hollow, an electrode extending outside the envelope and into said hollow member to a point adjacent said gap, an insulating sheath surrounding the conductor, secured thereto at a position remote from its inner end and spaced therefrom for a substantial distance along and at its inner end, said sheath engaging and being supported by the inner wall of said hollow capacitive gap member.

2,419,904
CARRIER CURRENT PROTECTIVE RELAYING SYSTEM

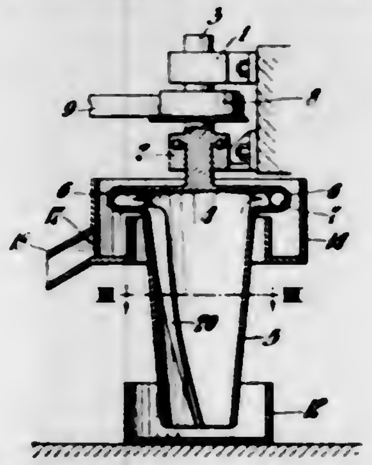
Andrew J. McConnell, Albany, N. Y., assignor to General Electric Company, a corporation of New York
Application August 21, 1945, Serial No. 611,896
13 Claims. (Cl. 175—294)

1. In a phase comparison pilot relaying system for a section of a polyphase circuit in which there is provided at each end of the section a negative phase sequence network for deriving from the circuit a single phase voltage proportional to a function of the negative phase sequence current present in the circuit at that end, a high frequency current transmitter, means controlled by the derived single phase voltage for effecting the operation of the transmitter during a predetermined half cycle of each cycle of derived single phase voltage, and comparison means controlled by the derived single phase voltage and the high frequency current transmitted from the other end for effecting a predetermined relaying operation during the other half cycle of each cycle of derived voltage if during said other half cycle no high frequency current is received from the other end, a control arrangement for each end of the protected section comprising means responsive to a balanced polyphase fault on the adjacent section for controlling the associated transmitter so that it transmits high frequency current continuously, and means responsive to a balanced polyphase fault on the protected line section for rendering the associated transmitter inoperative and for rendering the associated comparison means operative to effect said predetermined relaying operation if no high frequency current is being transmitted by the transmitter at the other end.



2,419,905
CENTRIFUGAL PUMP

Fred Miess, Gary, Ind.
Original application August 27, 1940, Serial No. 354,432. Divided and this application June 6, 1944, Serial No. 538,906
2 Claims. (Cl. 103—103)

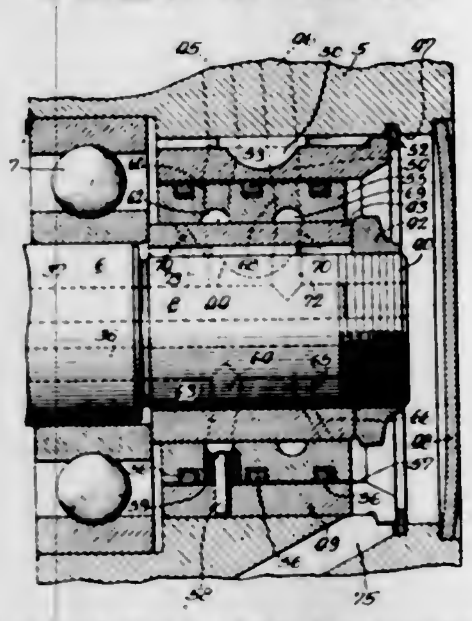


1. A centrifugal pump adapted to lift liquid from a sump containing the liquid being pumped, which pump comprises a substantially vertically disposed rotatable tubular casing having an inverted frusto-conical shape, having its upper end extended into an enlarged head having oppositely directed tubular extensions and having an open lower end forming a liquid intake opening, the said tubular extensions communicating with oppositely disposed fluid passage ports, the said ports being located in end portions of the tubular extensions and being disposed in a horizontal plane, the said ports projecting in a direction tangential to the rotation of the casing, helical lifting vanes in the casing starting at the open lower end of the casing and terminating at the enlarged head at the upper end of the frusto-

conical casing, the helical vanes having a pitch substantially longer than the height of the frusto-conical casing for producing a gradual and uniformly accelerated lifting of the fluid from a point of zero speed of rotation to a point of maximum speed of rotation in the frusto-conical casing, at which maximum speed of rotation with maximum centrifugal force the fluid is projected horizontally from the frusto-conical casing into the enlarged head from which it is projected horizontally through the said passage ports in the end portions of the head, at still further increased centrifugal force, a chamber for receiving the fluid passed through the ports, the fluid receiving chamber being positioned exteriorly of the enlarged head, means for rotating the casing with its head, and a fluid discharge opening in the said chamber.

2,419,906
SWIVEL PIPE JOINT

Burton L. Mills, Buchanan, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application August 9, 1944, Serial No. 548,741
9 Claims. (Cl. 285—96.3)

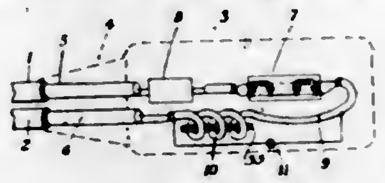


1. The combination, with a transmission shaft having a plurality of axial bores therein terminating adjacent one end of said shaft in axially spaced radial openings, of means for selectively admitting fluid under pressure into said bores comprising an inner sleeve fixed on said shaft and having radial ports therethrough in alinement with said openings, an intermediate sleeve having internal annular grooves in line with said ports, each of said grooves having a radial inlet, a fixed outer sleeve having clearance about said intermediate sleeve providing for deflection of said transmission shaft and having means therethrough providing communication between fluid pressure lines and said inlets.

2,419,907
MEANS FOR REDUCING IMPEDANCE EFFECTS IN GROUNDED COMMUNICATION CIRCUITS

John Henry Mole, Eastcote, Ruislip, England, assignor to Siemens Brothers & Co. Limited, Westminster, London, England, a British company
Application September 2, 1941, Serial No. 409,262
In Great Britain September 27, 1940
6 Claims. (Cl. 178—44)

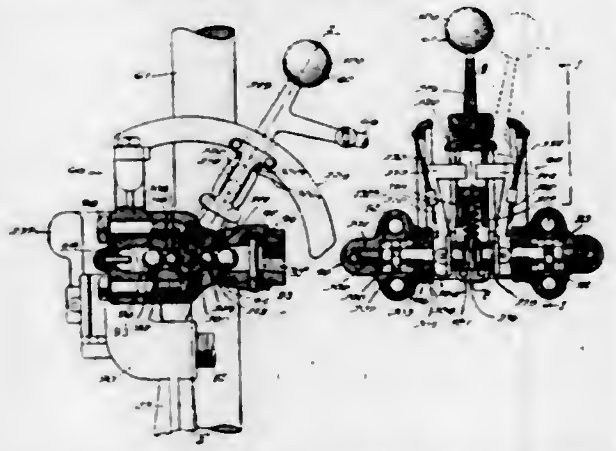
1. In combination, a four terminal telephone communication line filter comprising series and shunt impedance elements and an earth bus bar to which said shunt impedance elements have respectively one end connected; incoming and outgoing cables connected to the inlet and outlet pairs of terminals respectively; a connection between the respective earth wires of said cables forming a parallel path to said earth bus bar;



and means to reduce the effect on the attenuation of the filter of currents induced by the four terminal network in the parallel path comprising reactive coils situated in one of said cables and in series with said parallel path so designed and arranged as to be in balancing magnetic opposition as regards line current in the cable circuit.

2,419,908
SELECTIVE VALVE MECHANISM FOR HYDRAULIC MOTORS

Carl W. Mott, La Grange, Ill., assignor to International Harvester Company, a corporation of New Jersey
Original application October 2, 1941, Serial No. 413,293, now Patent No. 2,337,764, dated December 28, 1943. Divided and this application June 30, 1943, Serial No. 492,859
5 Claims. (Cl. 60—52)



5. In combination, a main valve mechanism conditionable to create a high fluid pressure condition therein, an auxiliary valve mechanism adjustable between open, neutral and exhaust positions and including a control element movable into corresponding positions to effect said adjustments, a conduit interconnecting said valve mechanisms to contribute to establishment of communication between the main valve and a place of discharge when the control element is in either the open position or the exhaust position, the auxiliary valve mechanism being in neutral and closed to preclude communication between the place of discharge and the main valve mechanism when the control element is in the neutral position, means connecting the control element with the main valve to condition the same for high pressure concurrently with movement of the control element into the open position, means responsive to a maximum of the fluid pressure in the main valve mechanism to terminate said high pressure condition and to move the control element into the neutral position, and said control member being thereafter operable, when moved into the exhaust position, to establish communication through said conduit between said place of discharge and the main valve mechanism without incurring the high pressure condition in such main valve mechanism.

2,419,909

METHOD OF MAKING NATURAL COLORED FRUIT JUICE

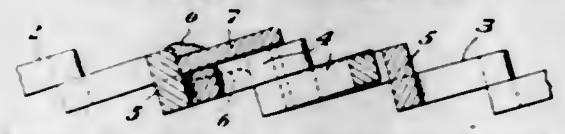
Harry A. Noyes, Watertown, Mass.
No Drawing. Application June 29, 1944, Serial No. 542,834
4 Claims. (Cl. 99—205)

1. The method of producing a fruit juice concentrate having a desired color characteristic, which consists in extracting juice from the fruit, freezing a body of such juice to substantial solidity, applying heat to the frozen mass with control of temperature and rate of heat input such that the whole mass is substantially uniformly raised in temperature to a degree, lower than the freezing point of water, at which a fraction having a relatively low melting point is liquefied, separating the liquefied fraction from the frozen remainder of the mass, and adding to the liquid so obtained a quantity of edible vegetable solid matter in a state of subdivision sufficiently fine to remain in suspension in the liquid for an indefinite period of time.

2,419,910

FASTENING TOGETHER SHEETS OF EXPANDED METAL

Theodore S. Okonski, Wheeling, W. Va., assignor, by mesne assignments, to Wheeling Steel Corporation, Wheeling, W. Va., a corporation of Delaware
Application March 7, 1944, Serial No. 525,449
11 Claims. (Cl. 189—36)

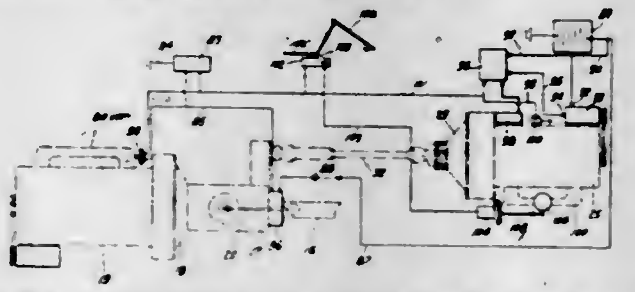


1. Means for fastening together sheets of expanded metal comprising abutment means connected with one sheet of expanded metal extending generally parallel to the plane of the sheet so as to provide a cavity, bounded on two sides by the expanded metal and on the third side by the abutment means, to receive an edge of another sheet of expanded metal so that the expanded metal meshwork of the sheets interfits and hold the overlapping portions of the sheets against substantial relative movement normal to their plane.

2,419,911

AUXILIARY POWERED VEHICLE CONSTRUCTION

Donald D. Ormsby, Buchanan, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application February 17, 1939, Serial No. 256,947
49 Claims. (Cl. 180—54)

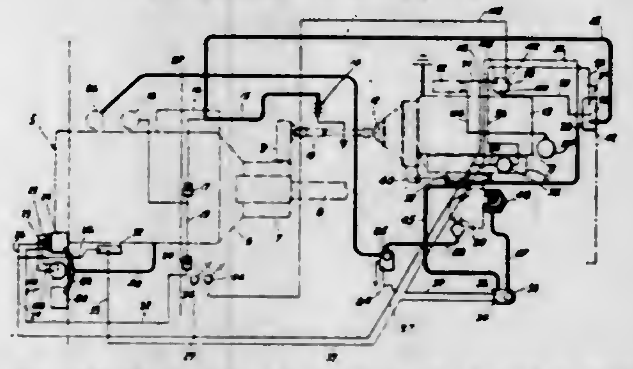


15. In combination, a vehicle including a main engine and a booster engine, an ignition and a starting circuit for said booster engine, a manifold switch and a throttle switch at the main engine each adapted to be closed under substantially full load conditions at the main engine, means connecting said manifold switch to said starting circuit, throttle controlling means at the booster engine connected to said throttle switch, and a speed responsive mechanism connected between said switches and said circuits for controlling the starting and operation of the booster engine in accordance with vehicle speed and load conditions at the main engine.

2,419,912

AUXILIARY POWERED VEHICLE CONSTRUCTION

Donald D. Ormsby, Buchanan, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application August 26, 1940, Serial No. 354,322
16 Claims. (Cl. 180—54)

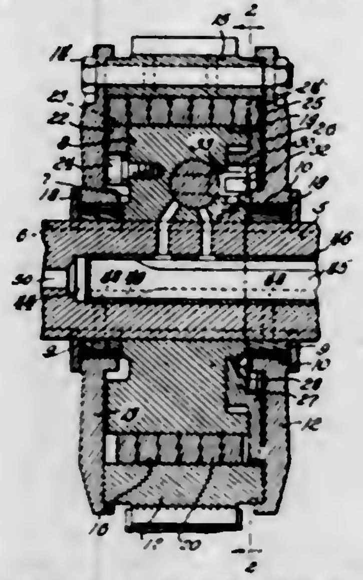


1. In combination, in a vehicle, a main engine, a supplemental engine, means responsive to predetermined load at the main engine and speed of the vehicle for starting said supplemental engine, manifold pressure responsive means at the supplemental engine for automatically opening the throttle thereof, and oil pressure responsive means at the supplemental engine for de-energizing the starting circuit thereof.

2,419,913

CLUTCH

Donald D. Ormsby, Buchanan, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application February 24, 1944, Serial No. 523,742
6 Claims. (Cl. 192—85)

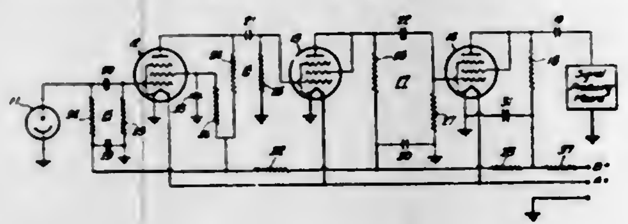


1. In combination, a shaft having a hub member keyed thereon, a gear member encircling said hub member and journalled for rotation relative to said shaft, coiled spring means interposed between said members, and means in said hub member comprising a plate at one side of and circumferentially shiftable relative to said hub member, means on said plate for engaging an end of said spring means, piston means in said hub member responsive to fluid pressure, and means connected with said piston means and engaging said plate for shifting said plate to thereby energize said spring means and clutch said members together.

2,419,914

METHOD AND APPARATUS FOR DETECTING SUSPENDED MATTER IN FLUIDS

Leon E. Pamphilon, Yeadon, Pa., assignor to Airdesign & Fabrication, Inc., Upper Darby, Pa., a corporation of Pennsylvania
Application November 30, 1944, Serial No. 565,983
19 Claims. (Cl. 250—41.5)

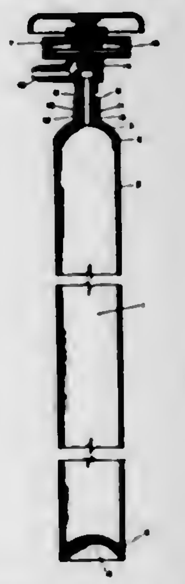


12. Apparatus for detecting and indicating the presence of suspended particles of matter in a fluid, comprising a gas-filled electron tube adapted to serve as a light source and arranged to project light into a space containing said fluid, said tube including an anode, a cathode, and a control electrode, a source of electrical energy connected to said anode and said cathode, a first capacitor connected between said anode and said cathode, and adapted to store energy from said source and to supply the energy to said tube, a first resistor serially connected with said capacitor and said energy source, a second capacitor connected between said cathode and said control electrode and also connected across said energy source, a second resistor serially connected with said second capacitor and said source, said second capacitor serving to trigger said tube so as to produce successive light flashes, photo-electric means arranged to receive only light reflected by said particles, whereby said photo-electric means is activated only if said particles are present, and means operable by said photo-electric means to produce a sensible signal.

2,419,915

APPARATUS FOR THE STORAGE OF FLUORINE

Homer F. Priest, New York, and Aristid V. Grosse, Bronxville, N. Y., assignors to the Government of the United States, as represented by the Office of Scientific Research and Development, Office for Emergency Management
Application January 22, 1943, Serial No. 473,249
3 Claims. (Cl. 220—64)

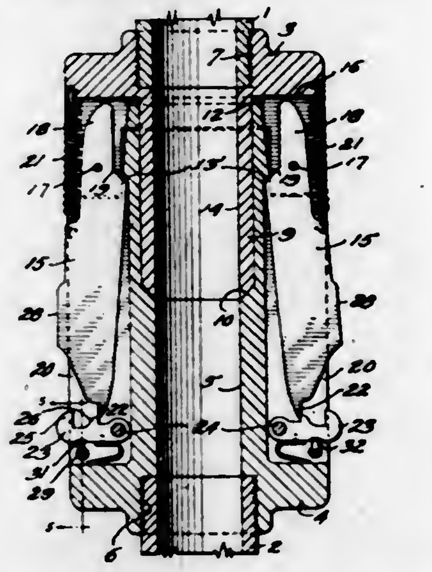


1. A fluorine gas storage vessel including a storage space defined by a metal of the group consisting of nickel, copper and an alloy of nickel and copper containing in excess of 60 per cent copper, and a continuous adherent coating on the inner surface of said metal composed of a stable fluoride of said metal, said metal fluoride coating being impenetrable and non-reactive to fluorine gas.

2,419,916

PIPE OR HOSE COUPLING

Clyde R. Raffield, Port St. Joe, Fla.
Application April 1, 1946, Serial No. 658,694
6 Claims. (Cl. 285—173)

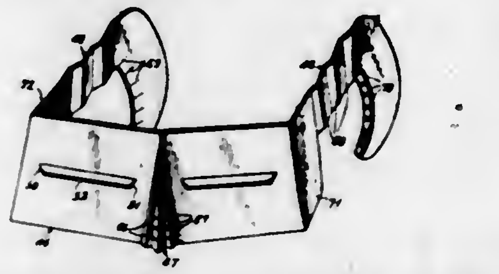


6. A coupling comprising companion sections having flat side faces, a first section being formed with a water passage and the second section having a tubular plunger fitting snugly in the water passage, levers pivoted to the second section for movement from an extended position to a retracted position and when retracted having overlapping engagement with the first section to releasably hold the sections together, and latches for releasably holding the levers in a retracted position urged towards a lever engaging position for automatic engagement with the levers when the levers are moved towards a retracted position and having sides presented towards the levers formed with inner and outer teeth for engaging the levers.

2,419,917

VISION AID

Edna G. Robeson, Miami, Fla., assignor of one-half to Thomas Benton Short, Miami, Fla.
Application July 25, 1944, Serial No. 546,536
2 Claims. (Cl. 2—14)

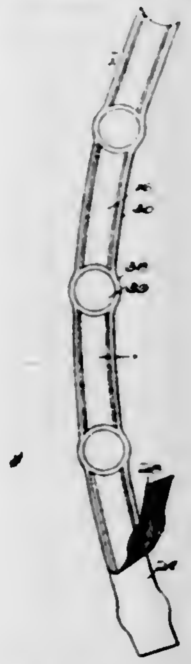


1. An integral blank comprising: a central body formed with slits to free portions to be pushed outwardly to provide sight openings and with scored portions radiating from a common point to provide a nose receiving recess and also with score lines to provide blinder portion hinges; bow shaped portions extending from said blinder portions; said bow portions formed with score lines to permit deformation into length adjusting zig zag portions; said bow portions terminating in curved ear engaging hooks, their inner edges formed with perforation lines to enable the bending away of ear engaging tabs.

2,419,918

DECALCOMANIA

Henry F. Scheetz, Jr., Pittsburgh, Pa.
Application June 15, 1945, Serial No. 599,636
6 Claims. (Cl. 41—33)

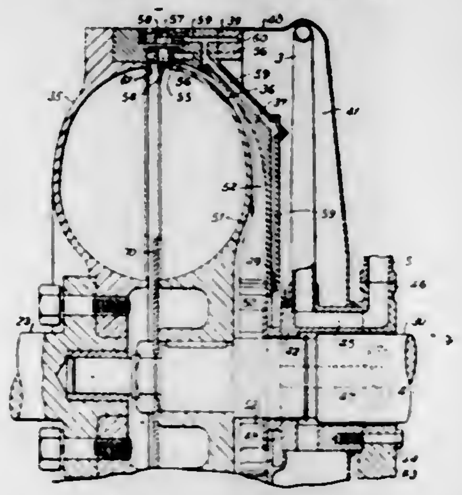


1. That step in a process of decorating vitreous ware such as glass, enamel, semi-porcelain and the like by the use of any of a plurality of individual ceramic decalcomanias included in a single sheet comprising backing and color support layers with individual color designs on the exposed face of the latter which consists in partially segregating the individual design from the sheet by full die cut lines impressed from the backing side of the sheet in such location as to provide a border of waste material so predetermined as to size and shape with reference to a given line on the ware that the margin of said border when aligned with the predetermined line on the ware positions the design on the latter in a predetermined location.

2,419,919

TURBINE TYPE DUAL HYDRAULIC COUPLING

Harold Sinclair, Kensington, London, England
Application February 4, 1944, Serial No. 521,030
In Great Britain February 12, 1943
11 Claims. (Cl. 60—54)

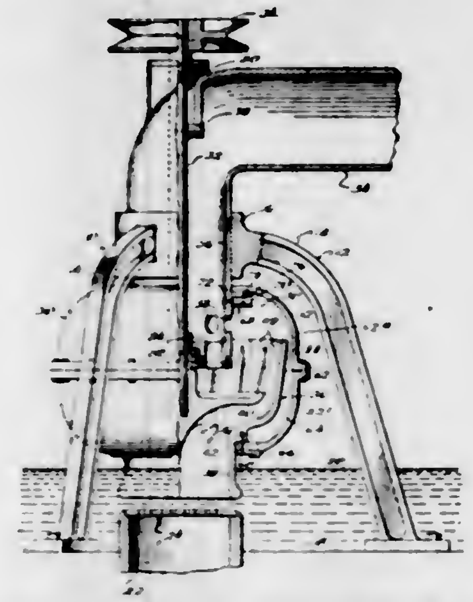


1. Power-transmission gearing providing two alternative power-transmission paths each including a hydraulic coupling of the kinetic type provided with a vaned driving element, a liquid-transfer chamber which is separate from its working chamber and which is arranged to rotate with said driving element, said working chamber having means employing the energy of motion of liquid therein for transferring liquid therefrom to said transfer chamber, a scoop in said transfer chamber, means for holding said scoop stationary when it is operating, and inlet means for delivering liquid into said working chamber, the gearing also including two delivery ducts leading from said scoops respectively and capable of supplying two filling ducts branching to said two inlet means respectively, and valve means operable for alternatively throttling said filling ducts.

2,419,920

COMPRESSOR

James A. Sinclair, Houston, Tex.
Application November 11, 1944, Serial No. 562,928
7 Claims. (Cl. 230—108)

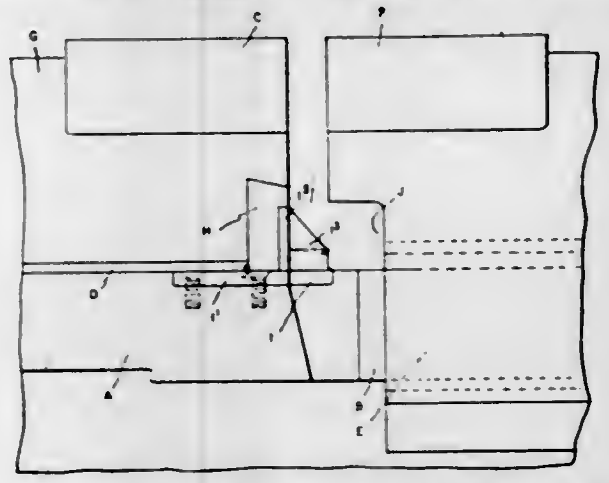


1. A compressor for compressing a gaseous medium by applying pressure thereto through a liquid medium, including in combination, centrifugal means rotatable about a vertical axis for drawing a mixture of the two media from separate sources thereof and for bringing them to a high pressure, means including a centrally open chamber rotating with and into which the rotatable centrifugal means discharges for separating the media at high pressure, means for drawing off the compressed gaseous medium by a generally upward flow, and means for returning the liquid medium to its source by a generally downward flow.

2,419,921

ELECTRIC WELDING MACHINE

Floyd E. Taylor, Birmingham, Mich., assignor to Swift Electric Welder Company, Detroit, Mich., a corporation of Michigan
Application April 16, 1945, Serial No. 588,558
4 Claims. (Cl. 219—4)

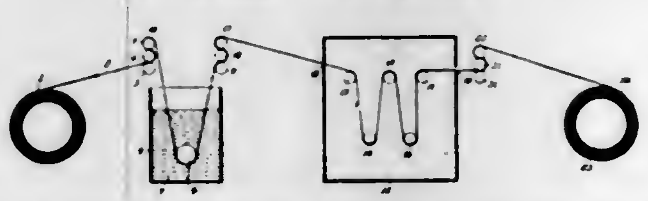


1. In an electric welding machine, the combination with a bed formed of electrically conductive material and clamping electrodes mounted thereon to be relatively movable towards or from each other, of insulation between said bed and one of said electrodes having a portion extending upward from the bed adjacent to the contacting face of said electrode.

2,419,922

METHOD OF PRODUCING REINFORCING ELEMENTS

Emerson A. Tippetts, Richmond, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application July 2, 1943, Serial No. 493,228
2 Claims. (Cl. 154—91)

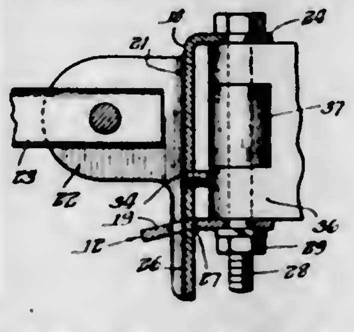


1. A method of making cords for use as reinforcements in rubber articles which comprise applying an adhesive to a cord maintained under a tension of 0.015 to 0.1 gram per denier of the cord, said cord possessing a low degree of twist and formed of continuous filaments of regenerated cellulose having a dry tensile strength of at least 2 grams per denier, and drying the treated cord under a tension not less than that in the cord when the adhesive was applied and not greater than 0.1 gram per denier of the cord.

2,419,923

ADJUSTABLE BRACKET

William P. Tolbert, Fort Madison, Iowa, assignor to Anthes Force Oiler Company, Fort Madison, Iowa, a corporation of Iowa
Application December 28, 1945, Serial No. 637,533
9 Claims. (Cl. 248—226)



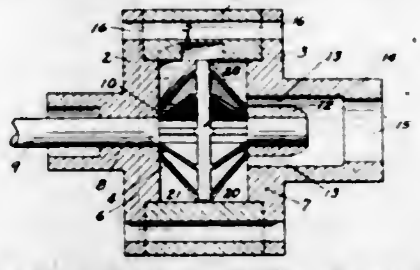
1. An adjustable bracket for a rear view mirror, comprising a clamping member having a web portion, two generally parallel clamping jaws, an apertured mounting lug and a shank depending from said web portion, and a separable mounting lug with a slot for receiving said shank in adjustable relation, both said mounting lugs being apertured to receive a fastening bolt, said mounting lugs being thereby mutually adjustable for attachment of the mounting bracket to hinges of different sizes.

2,419,924

PUMP

Adolph Wahle, Davenport, Iowa, assignor of one-half to W. H. Martin, Davenport, Iowa
Application November 1, 1944, Serial No. 561,427
11 Claims. (Cl. 103—5)

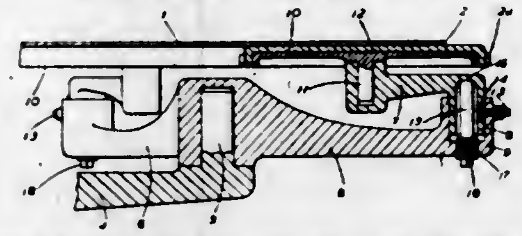
1. A rotary pump comprising a body having a cylindrical bore, closures for the two ends of the bore, a shaft-driven impeller substantially centrally positioned in said bore, the closures having substantially flat faces exposed toward the impeller, the impeller comprising a central hub, a substantially circular plate connected to said hub intermediate the ends thereof, substantially perpendicular thereto, and radial vanes connected to said hub and said plate to form water-receiving compartments between the vanes and the plate, the vanes having their outside edges formed to provide channels which are V-shaped in cross-section between the edges of the impeller vanes and the flat faces of the closures, one of the closures being provided with a water intake extending therethrough for carrying water to the impeller, and the said body having a tangential water discharge opening.



2,419,925

APPARATUS FOR SIMULTANEOUSLY POLISHING BOTH FACES OF A TRAVELLING STRIP OF GLASS

Frederic Barnes Waldron, Prescot, and James Harris Griffin, St. Helens, England, assignors to Pilkington Brothers Limited, Liverpool, England, a British company
Application April 9, 1946, Serial No. 660,742
In Great Britain September 13, 1944
5 Claims. (Cl. 51—195)



1. Apparatus for polishing the under surface of a horizontal travelling strip of glass comprising a rotatable polishing tool including a plurality of polishing pads each of which is adapted to turn on a vertical axis and as the tool rotates be brought to the edges of the strip of glass characterized by supports for the pads including arms each pivoted at one end with vertical axis on the tool and giving support to at least one polishing pad at the other end whereby any arm may be turned in an appropriate position of the tool to bring a pad supported thereby to an inoperative position in which at least the greater portion of its surface is beyond an edge of the glass whilst the other pads of the tool remain in their operative position supporting the glass, and by means for locking the arms against being so turned whilst the tool is turning.

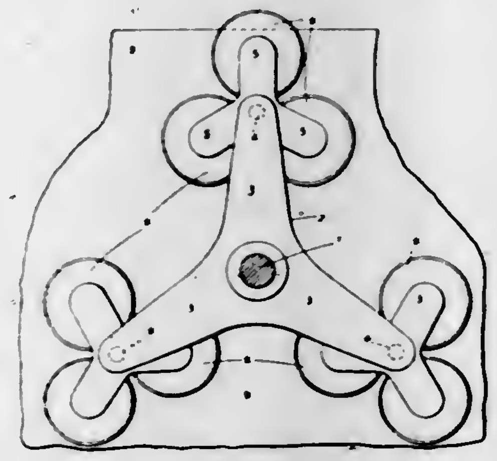
2,419,926

APPARATUS FOR SIMULTANEOUSLY POLISHING BOTH FACES OF A TRAVELLING STRIP OF GLASS

Frederic Barnes Waldron, Prescot, England, assignor to Pilkington Brothers Limited, Liverpool, England, a British company
Application April 9, 1946, Serial No. 660,743
In Great Britain September 13, 1944
3 Claims. (Cl. 51—195)

1. Apparatus for polishing the undersurface of a horizontal travelling strip of glass comprising

a polishing tool in which a plurality of polishing pads, each adapted to turn on a vertical axis, is supported on a frame adapted to rotate on a vertical axis, characterized by two independent means for moving each pad vertically, one adapted to drop the pad vertically sufficiently far from the glass to give ready access to its operative surface and to return it to its previous position without disturbing the adjustment, while the other pads remain in operative position supporting the glass, and the other adapted to give final adjustment of the pad accurately into the plane in which the other pads support the glass.

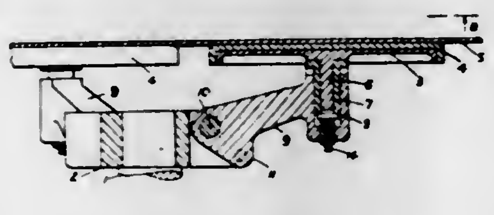


2,419,927

APPARATUS FOR SIMULTANEOUSLY POLISHING BOTH FACES OF A TRAVELLING STRIP OF GLASS

Granville Hugh Baillie, London, England, assignor to Pilkington Brothers Limited, Liverpool, England, a British company

Application April 9, 1946, Serial No. 660,714
In Great Britain September 13, 1944
2 Claims. (Cl. 51—195)



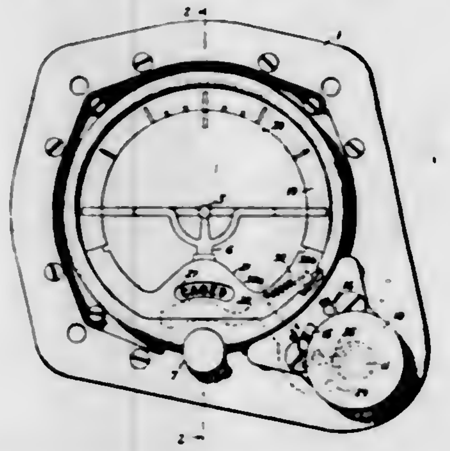
1. Apparatus for polishing the undersurface of a horizontal travelling strip of glass as it comes from the lehr comprising polishing tools which support the strip during polishing, each tool comprising a frame adapted to turn on a vertical axis, and a plurality of polishing pads supported on said frame, each pad being axially slidingly mounted and journaled to turn on a vertical axis, characterised by a supporting member for each pad pivoted to the frame about a horizontal pivot distant from the axis of the pad by at least the radius of the pad, an independent locking device for each pad mounted on the pad supporting member, each locking device when in operative position rigidly holding its pad in polishing position on the pad supporting member, and in inoperative position releasing its pad from said pad supporting member, whereby the pad is freed to fall about its horizontal pivot away from the glass and to give access to its operative surface, and individual adjusting means for each pad for sliding the pad along its vertical axis in the pad supporting member.

2,419,928

CAGING SIGNAL DEVICE FOR GYROSCOPES

Rinaldo E. Wiggin, Saugus, and Harry G. Swanson, Watertown, Mass., assignors to General Electric Company, a corporation of New York

Application September 5, 1945, Serial No. 614,510
9 Claims. (Cl. 116—124)



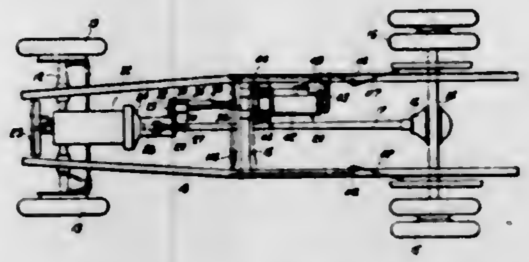
5. In combination with a gyroscope having a caging mechanism operated by a shaft rotatable between caged and uncaged positions and movable axially in either of said positions to effect a locking or unlocking movement of said mechanism, a stationary indicator having indicia thereon, a shutter member mounted to move in front of said indicator to mask and unmask said indicia, a cam member mounted on said shaft, a cam follower connected to actuate said shutter member and adapted to engage said cam member, said cam being shaped so that when said shaft is moved axially to unlock said mechanism in one of said positions said shutter is moved to partially unmask said indicia when said shaft is moved axially to lock said mechanism in the other of said positions said shutter is moved to completely unmask said indicia.

2,419,929

AUXILIARY POWERED VEHICLE CONSTRUCTION

George D. Wilcox, Detroit, Mich., assignor of one-half to Frederick J. Haynes, Detroit, Mich.; Frank C. Cook executor of Frederick J. Haynes, deceased, John Conway Cook executor of George D. Wilcox, deceased

Original application December 19, 1938, Serial No. 246,565. Divided and this application October 11, 1939, Serial No. 298,913
19 Claims. (Cl. 180—54)



1. In combination, a vehicle chassis including longitudinally extending side rails, a main power unit supported centrally between said side rails at one end of the chassis, a transmission in alinement with and connected thereto having a main shaft and a countershaft, a driving axle for said chassis connected to said transmission main shaft, a secondary power unit supported adjacent one side rail intermediate said transmission and axle and facing in the opposite direction to said main power unit, and means including said countershaft operable to connect said secondary power unit to said transmission main shaft for supplementing the torque to said main power unit.

2,419,930

PROCESS FOR CLARIFYING LIQUIDS

Clarence Walter Wilson, Norco, Calif., assignor to California Fruit Growers Exchange, Los Angeles, Calif., a corporation of California

No Drawing. Application February 16, 1942, Serial No. 431,105
6 Claims. (Cl. 99—105)

1. A process for the clarification of liquids containing suspended solids and calcium ions which comprises adding thereto a sol of a pectate of the group consisting of the alkali metals and ammonium, and subsequently separating the flocculated solids from the liquid.

2,419,931

METHOD OF PRODUCING MAGNESIUM CYANIDE

Albert R. Frank, New York, N. Y., and Robert B. Booth, Springdale, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application November 30, 1944, Serial No. 566,020
5 Claims. (Cl. 23—79)

1. A method of producing magnesium cyanide which includes the steps of bringing together magnesium metal and hydrocyanic acid in the presence of liquid ammonia, separating the thus formed magnesium cyanide ammoniate from the liquid mixture, and deammoniating the magnesium cyanide ammoniate.

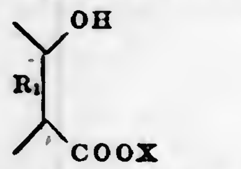
2,419,932

ARYLIDES OF ORTHO-HYDROXY CARBOXYLIC ACID

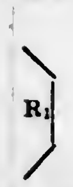
Harry Wilhelm Grimmel, Easton, and Alfred Guenther, Riegelsville, Pa., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application October 19, 1944, Serial No. 559,479
9 Claims. (Cl. 260—247)

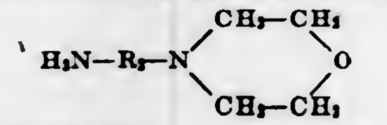
1. A process of making an arylide which comprises condensing an ortho-hydroxy carboxylic acid compound of the general formula:



wherein X represents one of the group H and Na, and

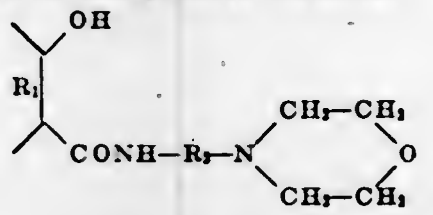


represents a radical of the group consisting of the naphthalene, anthracene, carbazole, benzocarbazole, diphenylene oxide, diphenylene sulfide, fluorene and fluorenone radicals, with an aromatic amine of the general formula:

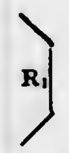


wherein R_2 represents a radical of the benzene series linked directly through a carbon atom of the benzene ring with the nitrogen atom of both the amido and morpholine groups, free from water-solubilizing groups, in the presence of an inert solvent and a condensing agent.

5. Arylides of the general formula:



wherein



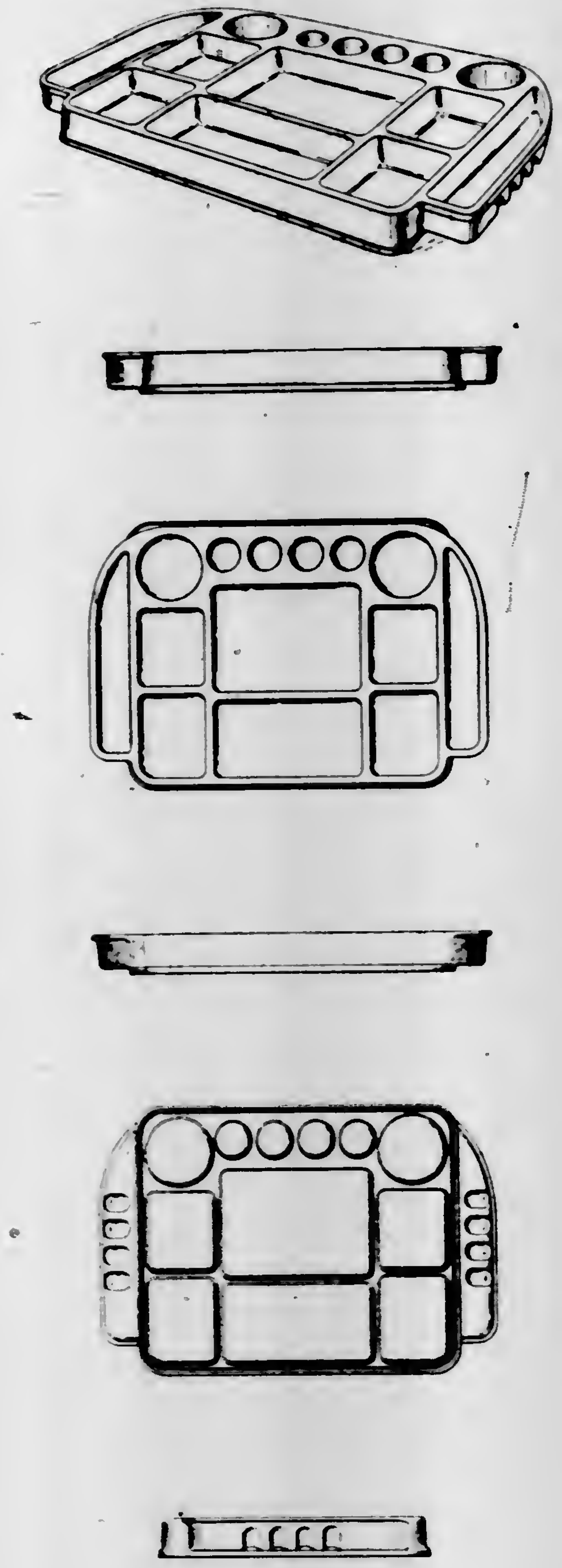
represents a radical of the group consisting of the naphthalene, anthracene, carbazole, benzocarbazole, diphenylene oxide, diphenylene sulfide, fluorene and fluorenone radicals and R_2 represents a radical of the benzene series linked directly through a carbon atom of the benzene ring with the nitrogen atom of both the amido and morpholine groups, free from water-solubilizing groups.

DESIGNS

APRIL 29, 1947

146,697
DESIGN FOR A FOOD TRAY OR SIMILAR ARTICLE

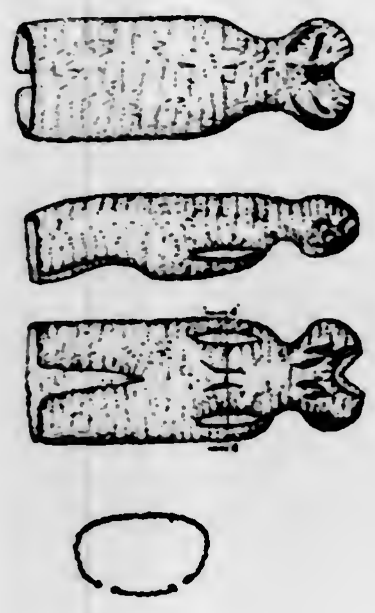
Irven B. Bates, Los Angeles, Calif.
Application January 5, 1946, Serial No. 125,288
Term of patent 14 years
(Cl. D44—10)



The ornamental design for a food tray or similar article, substantially as shown.

146,698
DESIGN FOR A HOODED STORM COAT FOR DOGS

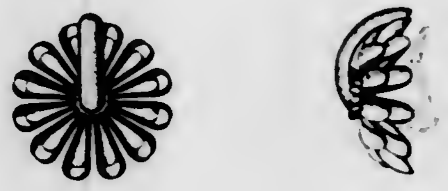
Rose Ann Cheney, Savannah, Ga.
Application April 17, 1946, Serial No. 128,662
Term of patent 14 years
(Cl. D38—10)



The ornamental design for a hooded storm coat for dogs, substantially as shown and described.

146,699
DESIGN FOR AN EARRING OR SIMILAR ARTICLE

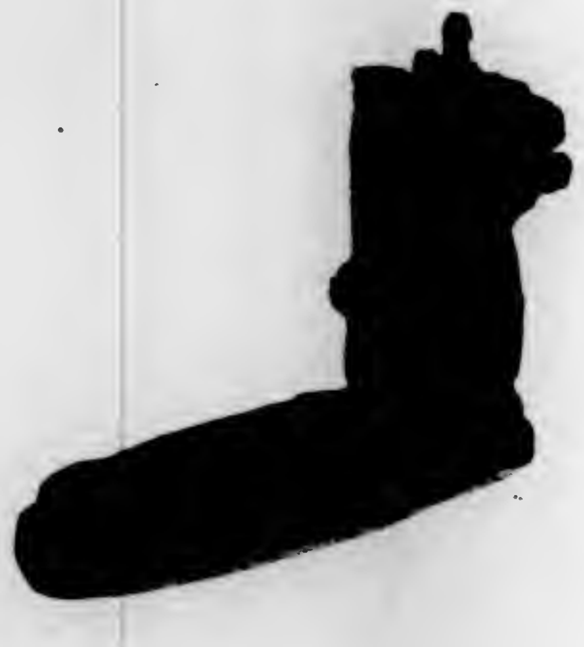
Michael Chernow, New York, N. Y.
Application June 4, 1946, Serial No. 130,395
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring or similar article, substantially as shown.

146,700
DESIGN FOR A SLIPPER

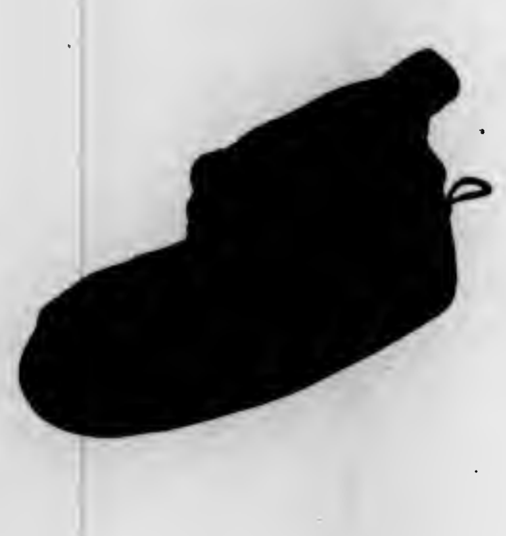
Gustave Cohn, Hartsdale, N. Y.
Application February 14, 1946, Serial No. 126,553
Term of patent 3½ years
(Cl. D7—7)



The ornamental design for a slipper, substantially as shown.

146,701
DESIGN FOR A SLIPPER

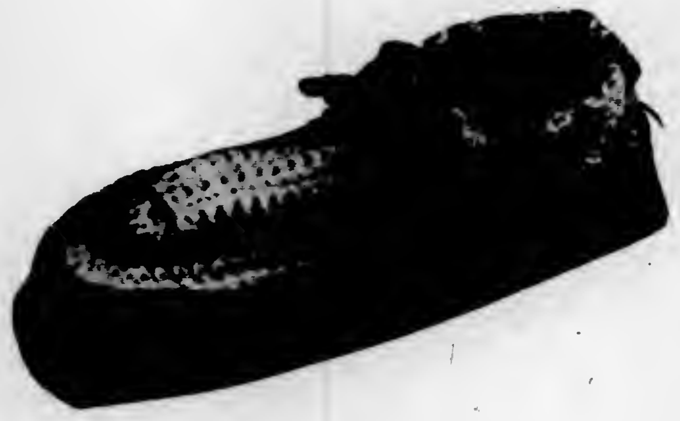
Gustave Cohn, Hartsdale, N. Y.
Application February 14, 1946, Serial No. 126,554
Term of patent 3½ years
(Cl. D7—7)



The ornamental design for a slipper, substantially as shown.

146,702
DESIGN FOR A SLIPPER

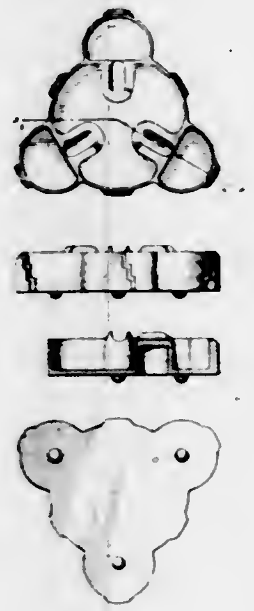
Gustave Cohn, Hartsdale, N. Y.
Application February 14, 1946, Serial No. 126,555
Term of patent 3½ years
(Cl. D7—7)



The ornamental design for a slipper, substantially as shown.

146,703
DESIGN FOR AN ASH TRAY

George H. Decker, Beaumont, Calif.
Application April 26, 1946, Serial No. 129,001
Term of patent 14 years
(Cl. D85—2)



The ornamental design for an ash tray, as shown.

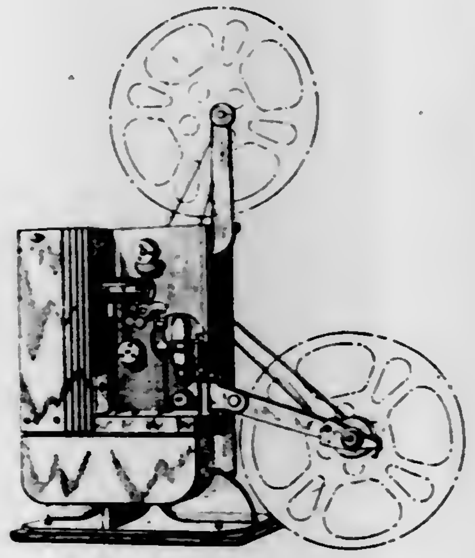
146,704
DESIGN FOR A COMBINED SOUND MOTION PICTURE PROJECTOR, AMPLIFIER, AND LOUDSPEAKER

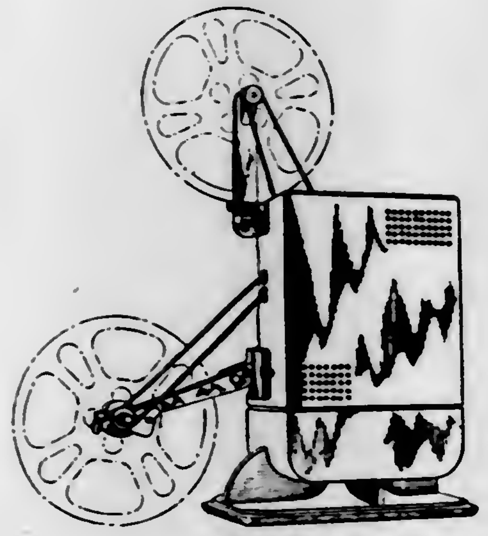
Guillermo A. del Valle, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application August 10, 1946, Serial No. 132,425

Term of patent 14 years

(Cl. D61—1)





The ornamental design for a combined sound motion picture projector, amplifier, and loudspeaker, substantially as shown and described.

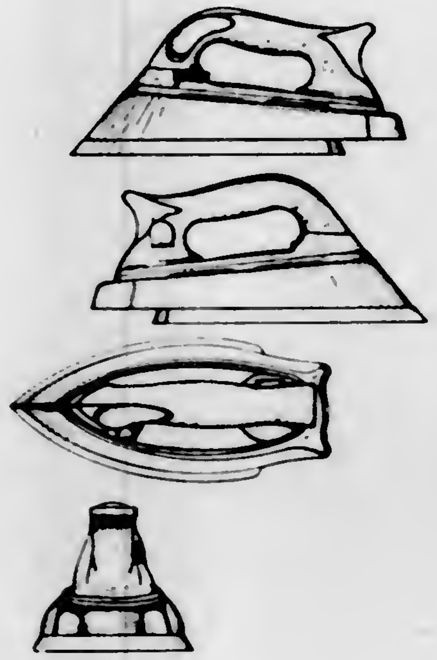
146,705
DESIGN FOR AN ELECTRIC SADIRON

Maurice J. Denning, St. Charles, Mo., assignor to The Emerson Electric Manufacturing Company, St. Louis, Mo., a corporation of Missouri

Application August 9, 1945, Serial No. 121,331

Term of patent 14 years

Cl. D49—6)



The ornamental design for an electric sadiron, substantially as shown.

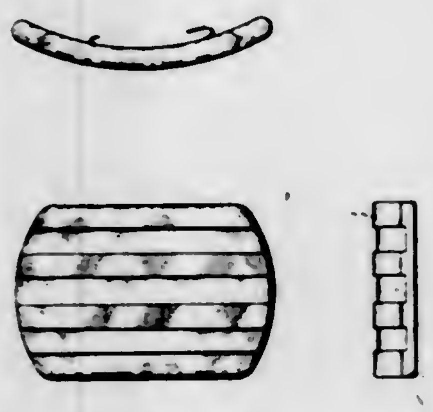
146,706
DESIGN FOR A BELT BUCKLE

Renee J. Druban, Starke, Fla.

Application February 2, 1946, Serial No. 126,185

Term of patent 3½ years

(Cl. D17—1)



The ornamental design for a belt buckle, as shown.

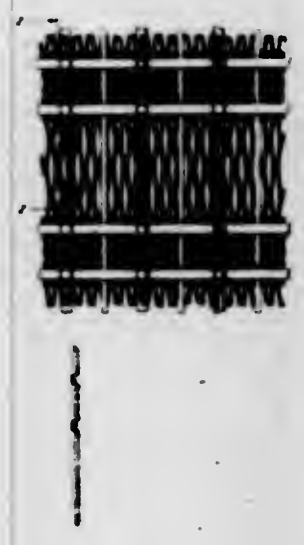
146,707
DESIGN FOR A WOVEN METAL FABRIC OR THE LIKE

Albert J. Fitzgerald, Syracuse, N. Y., assignor to General Electric Company, a corporation of New York

Application October 17, 1945, Serial No. 122,932

Term of patent 14 years

(Cl. D54—15)



The ornamental design for a woven metal fabric or the like, as shown.

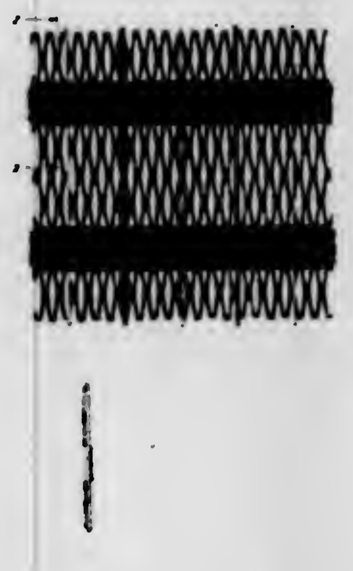
146,708
DESIGN FOR A WOVEN METAL FABRIC OR THE LIKE

Albert J. Fitzgerald, Syracuse, N. Y., assignor to General Electric Company, a corporation of New York

Application October 18, 1945, Serial No. 122,937

Term of patent 14 years

(Cl. D54—15)



The ornamental design for a woven metal fabric or the like, as shown.

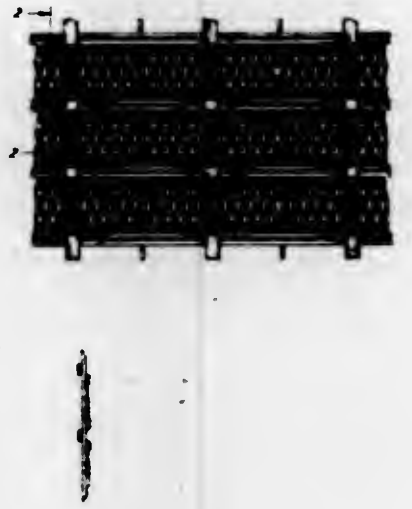
146,709
DESIGN FOR A WOVEN METAL FABRIC OR THE LIKE

Albert J. Fitzgerald, Syracuse, N. Y., assignor to General Electric Company, a corporation of New York

Application October 18, 1945, Serial No. 122,938

Term of patent 14 years

(Cl. D54—15)



The ornamental design for a woven metal fabric or the like, as shown.

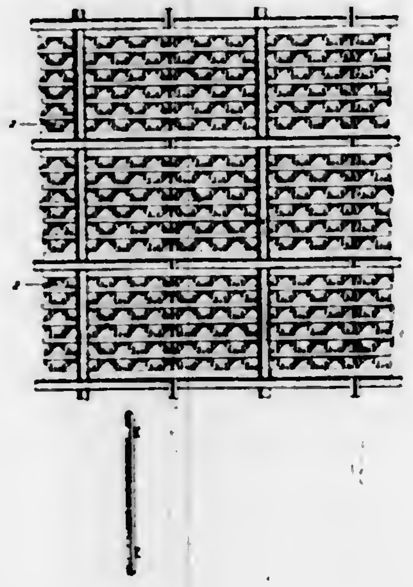
146,710
DESIGN FOR A WOVEN METAL FABRIC OR THE LIKE

Albert J. Fitzgerald, Syracuse, N. Y., assignor to General Electric Company, a corporation of New York

Application October 18, 1945, Serial No. 122,939

Term of patent 14 years

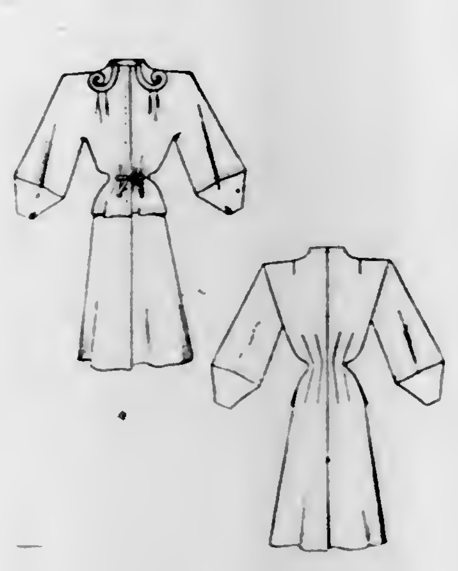
(Cl. D54—15)



The ornamental design for a woven metal fabric or the like, as shown.

146,711
DESIGN FOR A COAT

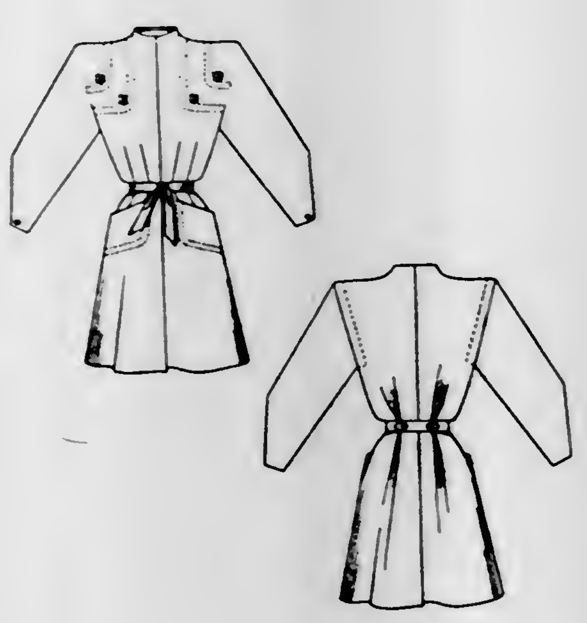
Jules Freedman, New York, N. Y.
Application November 12, 1946, Serial No. 134,693
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a coat, substantially as shown.

146,712
DESIGN FOR A COAT

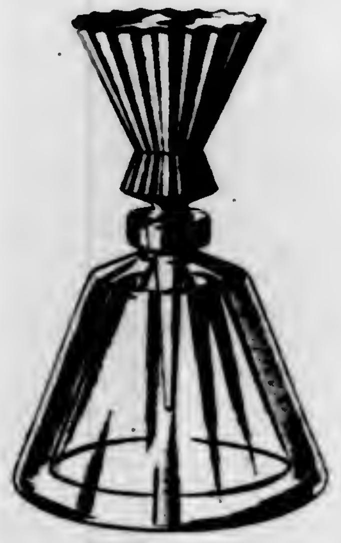
Jules Freedman, New York, N. Y.
Application November 12, 1946, Serial No. 134,694
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a coat, substantially as shown.

146,713
DESIGN FOR A BOTTLE

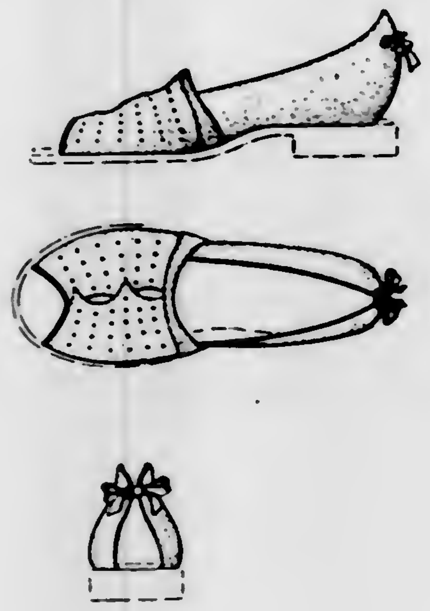
Hugh Genske, Philadelphia, Pa.
Application February 1, 1946, Serial No. 128,146
Term of patent 7 years
(Cl. D58—9)



The ornamental design for a bottle, as shown.

146,714
DESIGN FOR A SHOE

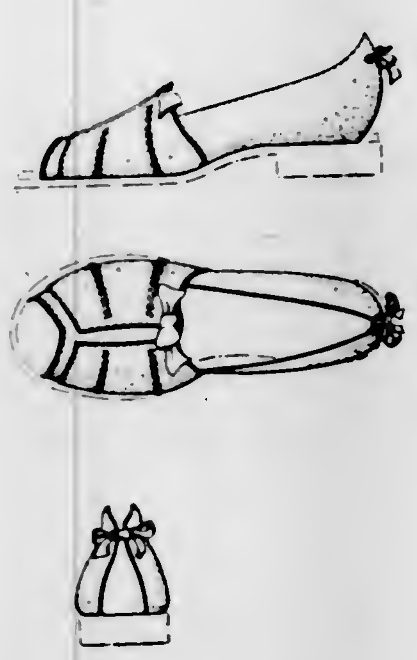
James J. Hickey, Binghamton, N. Y., assignor to Endicott Johnson Corporation, Endicott, N. Y., a corporation of New York
Application April 2, 1946, Serial No. 128,181
Term of patent 7 years
(Cl. D7—7)



The ornamental design for a shoe, substantially as shown and described.

146,715
DESIGN FOR A SHOE

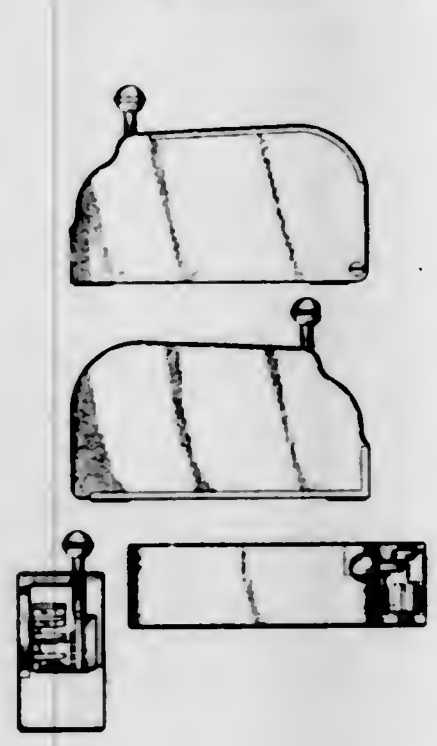
James J. Hickey, Binghamton, N. Y., assignor to Endicott Johnson Corporation, Endicott, N. Y., a corporation of New York
Application April 2, 1946, Serial No. 128,182
Term of patent 7 years
(Cl. D7—7)



The ornamental design for a shoe, substantially as shown and described.

146,716
DESIGN FOR A TAPE-DISPENSING MACHINE

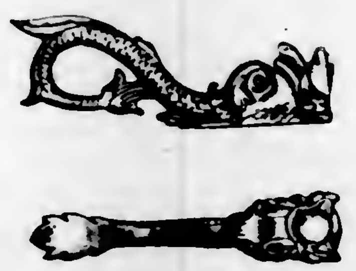
Herman H. Hillmer, Omaha, Nebr., assignor to Better Packages Incorporated, Shelton, Conn., a corporation of New York
Application June 13, 1946, Serial No. 130,680
Term of patent 14 years
(Cl. D74—1)



The ornamental design for a tape-dispensing machine, substantially as shown.

146,717
DESIGN FOR AN ORNAMENT FOR HANDBAGS OR THE LIKE

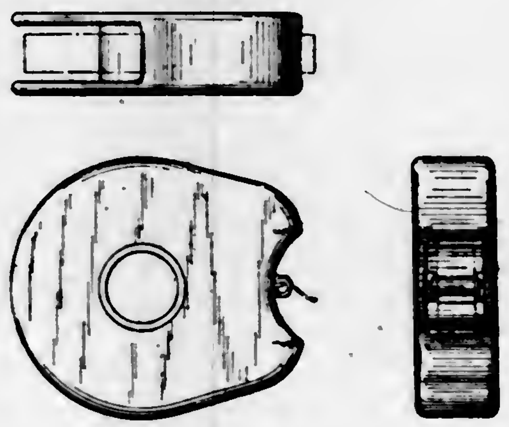
Frank X. Hiltenbrand, Weehawken, N. J., assignor to Harry Rosenfeld, Inc., New York, N. Y., a corporation of New York
Term of patent 7 years
Application September 26, 1946, Serial No. 133,592
(Cl. D87—2)



The ornamental design for an ornament for handbags or the like, substantially as shown.

146,718
DESIGN FOR A TAPE DISPENSER

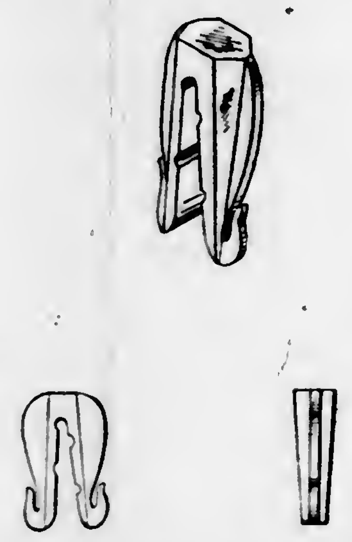
Jesse B. Hudson, Philadelphia, Pa.
Application July 11, 1946, Serial No. 131,473
Term of patent 7 years
(Cl. D74—1)



The ornamental design for a tape dispenser, as shown and described.

146,719
DESIGN FOR A CLOTHESPIN

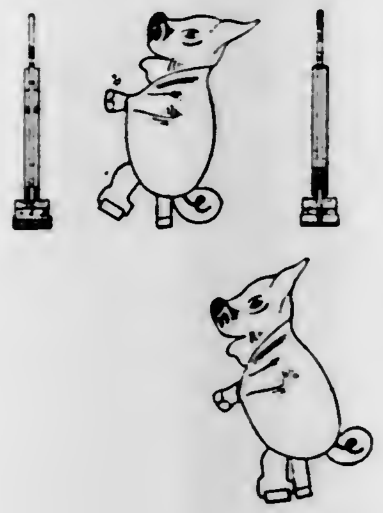
William Kaufman, Winfield Park, N. J.
Application July 12, 1946, Serial No. 131,517
Term of patent 7 years
(Cl. D17—6)



The ornamental design for a clothespin, as shown and described.

146,720
DESIGN FOR A WALKING ANIMAL FIGURE

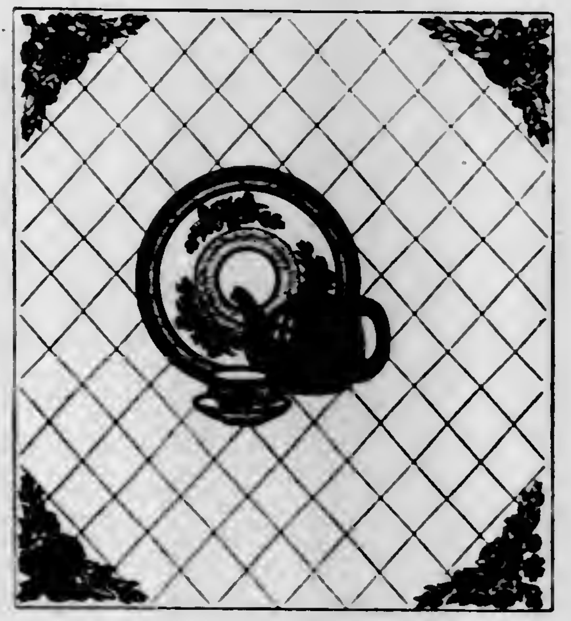
Roy A. Kropp, River Forest, Ill.
Application May 11, 1946, Serial No. 129,634
Term of patent 14 years
(Cl. D34—15)



The ornamental design for a walking animal figure, as shown.

146,721
DESIGN FOR A SHEET OF METAL OR SIMILAR FLAT SURFACE MATERIAL

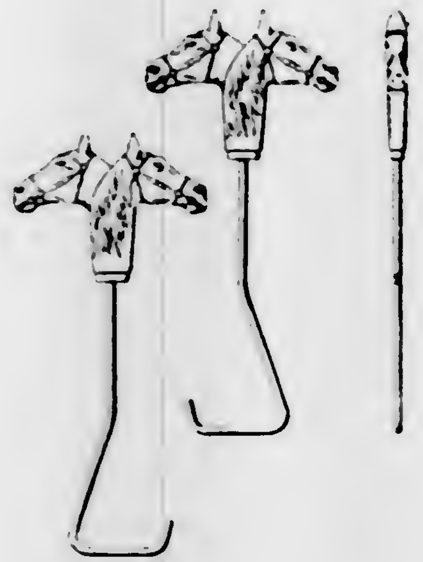
Henry A. Lauer, Chicago, Ill.
Application October 31, 1946, Serial No. 134,397
Term of patent 7 years
(Cl. D54—2)



The ornamental design for a sheet of metal or similar flat surface material, substantially as shown.

146,722
DESIGN FOR A BOOT HOOK

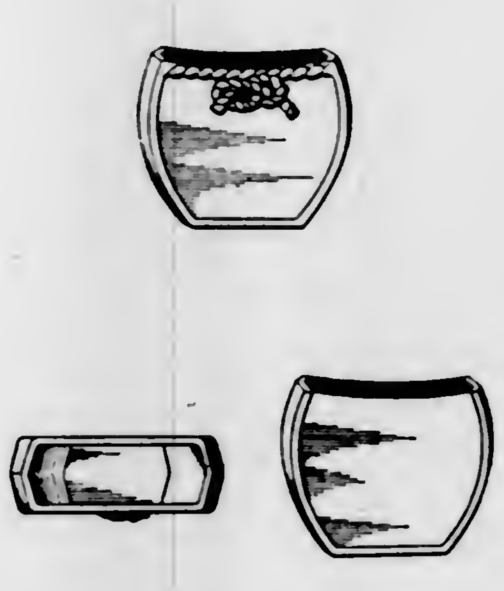
Arthur S. Leitner, Los Angeles, Calif.
Application September 7, 1946, Serial No. 133,155
Term of patent 14 years
(Cl. D7—2)



The ornamental design for a boot hook, substantially as shown and described.

146,723
DESIGN FOR A SHAVING SOAP BOWL OR THE LIKE

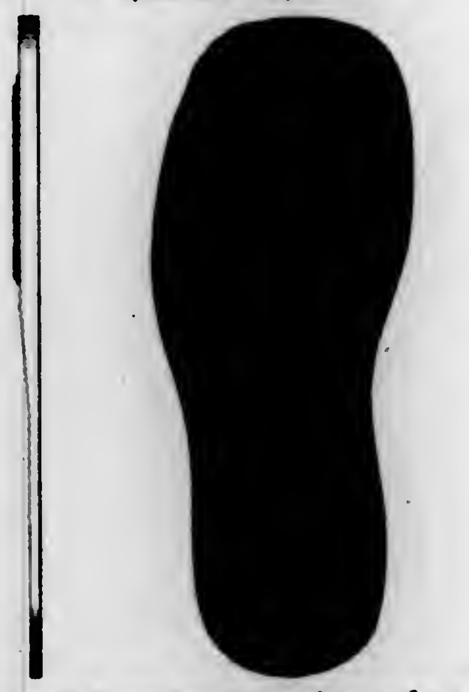
Abraham Levy, New York, N. Y., assignor to Parfum L'Orle, Inc., New York, N. Y., a corporation of New York
Application May 15, 1946, Serial No. 129,721
Term of patent 7 years
(Cl. D86—10)



The ornamental design for a shaving soap bowl or the like, as shown.

146,724
DESIGN FOR A SHOE SOLE

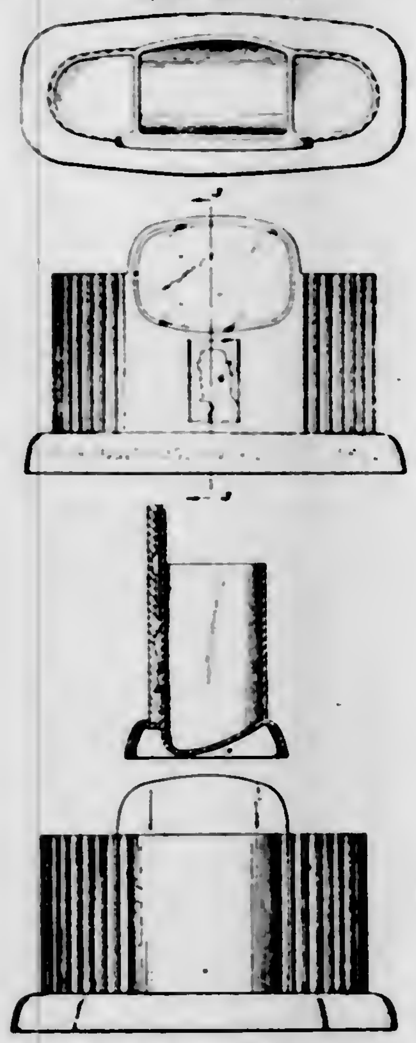
John E. Ryan, Danbury, Conn.
Application May 1, 1946, Serial No. 129,180
Term of patent 14 years
(Cl. D7—5)



The ornamental design for a shoe sole, as shown.

146,725
DESIGN FOR A HOLDER FOR BEER FOAM SCRAPERS OR SIMILAR ARTICLE

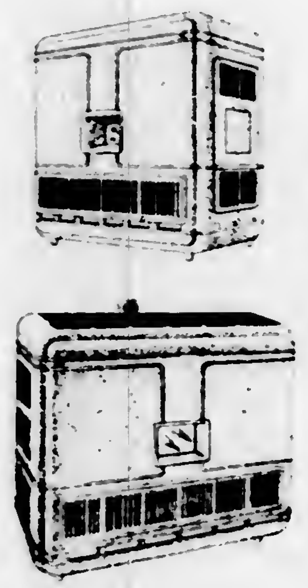
Val A. Schmitz, Manhasset, N. Y., assignor to The F. & M. Schaefer Brewing Co., Brooklyn, N. Y., a corporation of New York
Application November 28, 1945, Serial No. 124,135
Term of patent 14 years
(Cl. D2—3)



The ornamental design for a holder for beer foam scrapers or similar article, as shown.

146,726
DESIGN FOR A HEATING APPARATUS

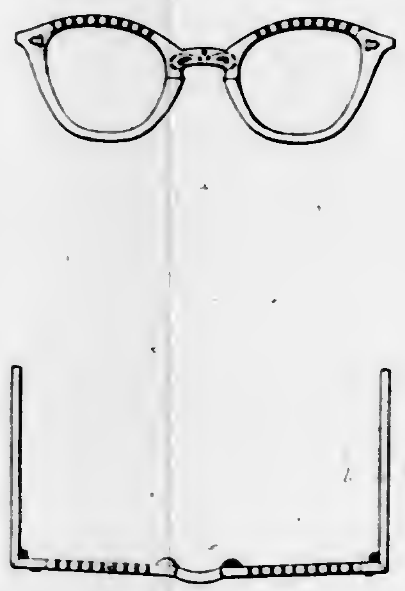
George Schueder, Dearborn, Mich., and Walter Dorwin Teague, New York, N. Y., assignors to Evans Products Company, Detroit, Mich., a corporation of Delaware
Application March 1, 1946, Serial No. 127,009
Term of patent 14 years
(Cl. D81—19)



The ornamental design for a heating apparatus, substantially as shown.

146,727
DESIGN FOR A SPECTACLE FRAME

Joseph Shyer, Long Island City, N. Y., assignor to Zylo Ware Corporation, Long Island City, N. Y., a corporation of New York
Application January 21, 1947, Serial No. 136,273
Term of patent 14 years
(Cl. D57—1)

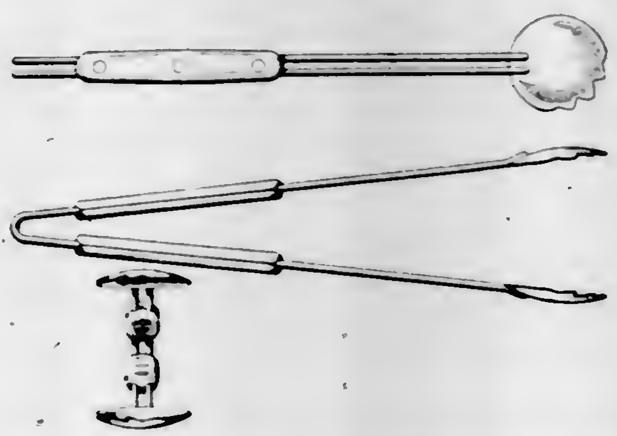


The ornamental design for a spectacle frame, as shown.

146,728

DESIGN FOR BARBECUE TONGS

Frederick K. Storm, Los Angeles, Calif., assignor to Adel Precision Products Corp., a corporation of California
Application November 19, 1945, Serial No. 123,856
Term of patent 3½ years
(Cl. D44—29)

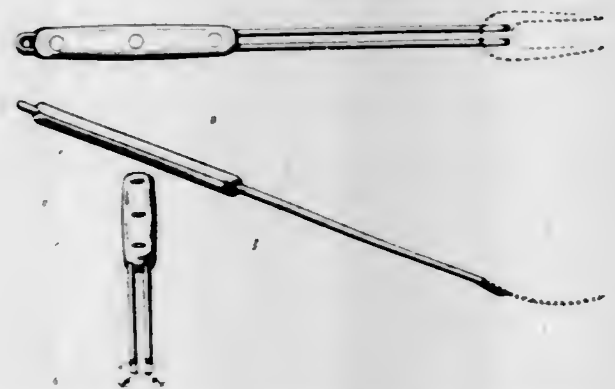


The ornamental design for barbecue tongs, substantially as shown.

146,729

DESIGN FOR A BARBECUE FORK

Frederick K. Storm, Los Angeles, Calif., assignor to Adel Precision Products Corp., a corporation of California
Application November 19, 1945, Serial No. 123,870
Term of patent 3½ years
(Cl. D44—29)

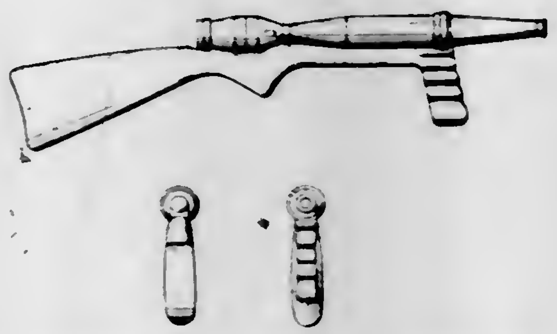


The ornamental design for a barbecue fork, substantially as shown and described.

146,730

DESIGN FOR A FOAM GENERATING APPARATUS

Richard L. Tuve, Silver Spring, Md.
Application August 30, 1945, Serial No. 121,756
Term of patent 3½ years
(Cl. D16—2)

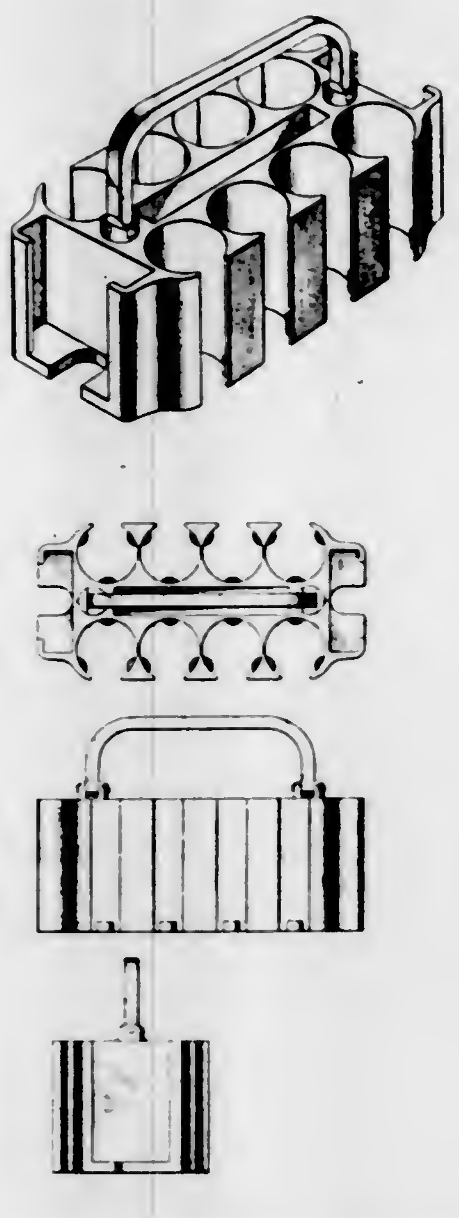


The ornamental design for a foam generating apparatus, substantially as shown.

146,731

DESIGN FOR A POKER CHIP HOLDER

Raymond Vaccarello, Los Angeles, Calif., assignor of one-half to Sam Vaccarello, Los Angeles, Calif.
Application February 19, 1946, Serial No. 126,719
Term of patent 14 years
(Cl. D34—5)

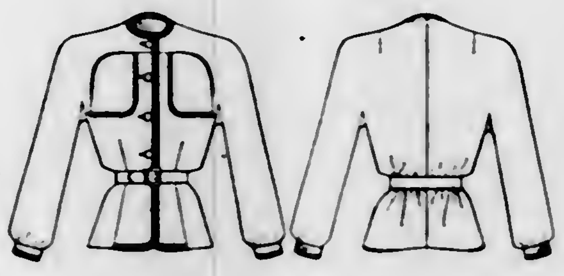


The ornamental design for a poker chip holder, substantially as shown.

146,732

DESIGN FOR A JACKET

Jane Walker, New York, N. Y.
Application November 20, 1946, Serial No. 134,935
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a jacket, substantially as shown.

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